Transcript Cluster I	WT 1 (log2)	Wt 2 (log2	Wt 3 (log2	Mut 1 (log2)	Mut 2 (log2)	Mut 3 (log2)	Mean WT	Mean Mut	log FC	Fold Change	Gene Symbol
17387210	7,784241	7,881441	7,611751	5,291137	5,079281	5,661697	7,7591443	5,344038333	-2,415106	0,187491098	Cwc22
17549296	4,235503	10,17276	9,746921	4,108086	9,900191	3,355511	8,051728	5,787929333	-2,26379867	0,208222999	---
17372564	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372566	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372568	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372570	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372572	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372574	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17372576	9,586961	9,599075	9,534802	7,446698	7,359002	7,542281	9,5736127	7,449327	-2,12428567	0,22936455	Cwc22
17548055	5,800866	11,80124	5,429154	5,982451	5,27668	6,098981	7,6770867	5,786037333	-1,89104933	0,269610888	Gm4841 // Gm4841
17548738	8,991055	9,953093	9,036399	9,412313	6,274323	6,97011	9,326849	7,552248667	-1,77460033	0,292275269	---
17548740	8,991055	9,953093	9,036399	9,412313	6,274323	6,97011	9,326849	7,552248667	-1,77460033	0,292275269	LOC100503226
17548742	8,991055	9,953093	9,036399	9,412313	6,274323	6,97011	9,326849	7,552248667	-1,77460033	0,292275269	LOC100503226
17231174	7,40343	8,38357	8,295452	7,35981	5,611552	6,117855	8,027484	6,363072333	-1,66441167	0,315472976	Syt14
17270117	6,264108	4,641033	6,129892	4,443655	3,499334	4,103771	5,6783443	4,015586667	-1,66275767	0,315834863	---
17546316	3,956707	8,844461	8,620378	3,859521	8,595602	4,271415	7,1405153	5,575512667	-1,56500267	0,337977084	Eif2s3y
17285521	5,105148	7,673165	6,461238	6,442901	4,117887	4,126011	6,4131837	4,895599667	-1,517584	0,34927033	---
17350932	5,560041	9,860603	4,956504	5,42364	5,009104	5,435662	6,7923827	5,289468667	-1,502914	0,352839993	BC023105
17391784	7,065943	7,070832	6,71022	5,599654	5,161558	5,637124	6,9489983	5,466112	-1,48288633	0,357772317	A730017L22Rik // A730017L22Rik
17475385	9,239648	9,284535	9,572921	9,490564	6,849339	7,318446	9,3657013	7,886116333	-1,479585	0,358591948	Cyp2b9
17231186	5,547811	6,40684	6,685794	5,384283	4,561631	4,25879	6,2134817	4,734901333	-1,47858033	0,358841752	---
17201491	6,285836	6,366714	6,019597	6,248388	3,553077	4,449352	6,224049	4,750272333	-1,47377667	0,36003856	---
17318815	6,9218	8,64792	6,960404	6,584286	5,836019	5,765717	7,5100413	6,062007333	-1,448034	0,366520551	Apol11b
17203943	6,29518	5,443325	6,403235	4,457116	4,122057	5,223727	6,0472467	4,600966667	-1,44628	0,366966431	---
17546834	5,084801	9,190183	8,903146	4,815366	9,099625	5,052479	7,7260433	6,32249	-1,40355333	0,377996994	Ddx3y
17248348	6,412095	5,825885	6,425203	4,921083	5,111623	4,545745	6,221061	4,859483667	-1,36157733	0,389156583	---
17428878	6,00474	5,026613	5,199988	3,081503	4,691483	4,381765	5,410447	4,051583667	-1,35886333	0,389889354	---
17209159	6,944724	6,508142	5,872196	5,758152	3,094266	6,398411	6,4416873	5,083609667	-1,35807767	0,390101739	---
17546797	4,011665	8,210645	8,049984	3,844165	8,417809	3,953659	6,7574313	5,405211	-1,35222033	0,391688769	Uty
17245890	9,146396	10,01198	10,20394	8,676801	8,157782	8,522139	9,7874387	8,452240667	-1,335198	0,39633767	Inhbe
17210639	4,85029	3,535062	4,165556	2,906405	2,900901	2,748616	4,183636	2,851974	-1,331662	0,397310272	---
17206379	4,951212	4,841394	4,836087	3,120542	3,815553	3,733761	4,876231	3,556618667	-1,31961233	0,400642581	---
17207801	6,355254	5,103727	5,940931	4,318244	4,000248	5,188844	5,7999707	4,502445333	-1,29752533	0,406823428	---
17285523	7,808598	10,19588	9,353825	9,029349	7,170012	7,267439	9,1194343	7,822266667	-1,29716767	0,406924298	---
17448780	6,712254	8,25198	7,80964	5,809862	5,924267	7,19004	7,5912913	6,308056333	-1,283235	0,410873161	---
17290928	6,304203	6,858252	6,944724	7,203154	3,794019	5,276218	6,702393	5,424463667	-1,27792933	0,412386974	---
17209059	5,33836	5,365572	5,300767	4,132059	3,886679	4,21364	5,3348997	4,077459333	-1,25744033	0,418285435	---
17513149	7,722065	5,838178	8,395429	6,167607	5,946561	6,109657	7,3185573	6,074608333	-1,243949	0,422215369	Ctrb1
17475070	5,347478	5,778196	5,259404	5,212085	3,692528	3,774371	5,4616927	4,226328	-1,23536467	0,424735127	BC049730
17404350	4,899531	3,387565	5,6826	3,40836	3,403327	3,505629	4,6565653	3,439105333	-1,21746	0,430039176	Cpb1
17322075	4,711737	4,881794	8,308611	4,845667	4,750136	4,661388	5,9673807	4,752397	-1,21498367	0,430777957	Krt4
17384447	9,404123	9,288532	8,932772	9,205847	5,403666	9,389499	9,2084757	7,999670667	-1,208805	0,432626817	---
17202969	6,64897	4,426515	4,752242	4,129992	3,694432	4,426515	5,275909	4,083646333	-1,19226267	0,437615982	---
17475218	7,747221	8,050874	8,173369	6,866518	5,58268	7,968792	7,990488	6,805996667	-1,18449133	0,439979639	---
17546666	4,404106	6,761608	6,399405	3,889007	6,451023	3,791937	5,8550397	4,710655667	-1,144384	0,452382805	---
17200707	5,12595	5,850974	5,747217	4,916395	4,045261	4,395241	5,5747137	4,452299	-1,12241467	0,459324401	---
17546287	3,765132	7,401871	7,216651	3,77528	7,575977	3,670953	6,1278847	5,007403333	-1,12048133	0,459940348	Kdm5d
17547156	4,835454	7,192956	6,66672	4,317955	6,727709	4,330164	6,23171	5,125276	-1,106434	0,4644406	Srsy
17546647	4,658806	7,212288	6,893659	4,285067	6,913514	4,248201	6,2549177	5,148927333	-1,10599033	0,46458345	---
17496345	7,482792	7,800019	7,877153	6,803331	6,59686	6,443253	7,719988	6,614481333	-1,10550667	0,464739229	Nupr1
17208275	4,757235	3,969094	5,530822	3,680513	4,061434	3,275583	4,7523837	3,67251	-1,07987367	0,473070247	---
17203357	7,235661	7,208937	7,309497	6,368595	6,035913	6,11474	7,251365	6,173082667	-1,07828233	0,473592345	---
17284469	4,938732	4,59831	3,419823	3,292939	3,346907	3,131567	4,318955	3,257137667	-1,06181733	0,479028257	---
17546586	4,741688	7,190568	6,91746	4,29174	7,137506	4,248201	6,2832387	5,225815667	-1,057423	0,480489563	---
17203333	5,134701	5,435645	4,982416	3,900705	4,338725	4,167576	5,184254	4,135668667	-1,04858533	0,483441982	---
17445565	8,404526	8,028464	7,633153	6,436426	7,447803	7,099182	8,0220477	6,994470333	-1,02757733	0,490533193	---
17546255	3,592448	5,441312	4,541817	3,380584	4,14485	2,980704	4,5251923	3,502046	-1,02314633	0,4920421	LOC100862038 // LOC100862038
17547281	4,812349	7,888718	7,203522	4,746493	7,517185	4,575768	6,634863	5,613148667	-1,02171433	0,492530737	LOC100041256 // LOC100041256
17206603	5,374272	4,550835	4,84743	4,165818	3,327113	4,217631	4,924179	3,903520667	-1,02065833	0,492891384	---
17547039	3,788274	6,133003	5,31458	3,456564	5,117899	3,604631	5,078619	4,059698	-1,018921	0,493485295	Sly // Sly
17547044	3,788274	6,133003	5,31458	3,456564	5,117899	3,604631	5,078619	4,059698	-1,018921	0,493485295	Sly // Sly
17547049	3,788274	6,133003	5,31458	3,456564	5,117899	3,604631	5,078619	4,059698	-1,018921	0,493485295	Sly // Sly
17547054	3,788274	6,133003	5,31458	3,456564	5,117899	3,604631	5,078619	4,059698	-1,018921	0,493485295	Sly // Sly
17219474	7,822444	9,297348	9,139181	7,455506	8,053592	7,715539	8,752991	7,741545667	-1,01144533	0,496049043	---
17274394	5,501451	6,285979	5,79319	4,780788	4,993148	4,780232	5,8602067	4,851389333	-1,00881733	0,496953464	Gm10330
17546467	4,14892	7,293936	6,502848	4,106634	6,810344	4,006107	5,9819013	4,974361667	-1,00753967	0,497393767	LOC434960 // LOC434960
17547464	4,16263	7,0774	6,442226	3,991422	6,76471	3,961605	5,8940853	4,905912333	-0,988173	0,504115773	LOC100041256 // LOC100041256
17310237	9,417042	9,299064	8,536732	8,160937	7,999187	8,143525	9,0842793	8,101216333	-0,983063	0,505904508	Ugt3a2
17205199	5,133227	5,074743	5,327167	4,684922	4,000446	3,90244	5,178379	4,195936	-0,982443	0,506121968	---
17209389	5,133227	5,074743	5,327167	4,684922	4,000446	3,90244	5,178379	4,195936	-0,982443	0,506121968	---
17548781	8,232029	8,692688	8,447721	7,446393	7,416485	7,576782	8,4574793	7,479886667	-0,97759267	0,507826411	Ywhaq // Ywhaq
17204765	4,545767	5,776639	5,412296	3,707109	4,62743	4,495965	5,2449007	4,276834667	-0,968066	0,511190879	---
17201657	5,572714	5,944931	3,927872	4,256627	4,167733	4,121517	5,1485057	4,181959	-0,96654667	0,511729509	---
17220755	6,285836	5,071432	5,974602	5,884357	3,553077	5,021388	5,77729	4,819607333	-0,95768267	0,514883282	---
17208067	4,387951	4,335142	4,726285	3,463729	3,845428	3,289047	4,483126	3,532734667	-0,95039133	0,517492072	---
17504601	11,01463	11,19681	11,22051	10,82464	9,52327	10,2498	11,143983	10,19923667	-0,94474667	0,51952077	Ces3a
17491193	8,895329	8,165276	7,168362	6,907793	7,139461	7,361514	8,0763223	7,136256	-0,94006633	0,521208915	Saa3
17490899	6,437825	7,225819	7,744981	6,443573	6,127667	6,045243	7,1362083	6,205494333	-0,930714	0,52459865	Fgf21
17205953	6,472093	6,425515	6,299912	6,125361	5,260089	5,022686	6,3991733	5,469378667	-0,92979467	0,524933048	---
17547229	4,71482	7,812593	7,140853	4,741022	7,635428	4,516254	6,5560887	5,630901333	-0,92518733	0,526612133	LOC100039614 // LOC100039614
17547443	4,71482	7,812593	7,140853	4,741022	7,635428	4,516254	6,5560887	5,630901333	-0,92518733	0,526612133	LOC100041256 // LOC100041256
17547450	4,71482	7,812593	7,140853	4,741022	7,635428	4,516254	6,5560887	5,630901333	-0,92518733	0,526612133	LOC100041256 // LOC100041256
17204283	4,267131	4,674734	4,984709	3,560316	3,48833	4,103771	4,6421913	3,717472333	-0,924719	0,526783112	---
17210489	4,255931	5,20091	4,611299	3,962576	3,094266	4,268632	4,68938	3,775158	-0,914222	0,530629946	---
17203145	5,568312	5,397368	5,486913	4,827169	4,090684	4,797938	5,4841977	4,571930333	-0,91226733	0,531349368	---
17393184	7,628788	7,77245	7,937093	6,707891	6,953764	6,942091	7,7794437	6,867915333	-0,91152833	0,531621614	Zfp341 // Zfp341
17462566	4,543962	7,009733	4,197292	4,984871	4,096458	3,938302	5,250329	4,339877	-0,910452	0,532018382	Mug2
17201371	4,870544	4,900139	5,213286	3,870322	4,344512	4,040766	4,9946563	4,0852	-0,90945633	0,532385678	---
17472385	5,927675	5,631138	6,541571	5,916665	4,778792	4,68122	6,0334613	5,125559	-0,90790233	0,532959447	Slco1a1
17547170	3,499335	7,272895	5,924268	3,261558	7,18967	3,533464	5,5654993	4,661564	-0,90393533	0,53442695	LOC380994 // LOC380994
17547333	3,499335	7,272895	5,924268	3,261558	7,18967	3,533464	5,5654993	4,661564	-0,90393533	0,53442695	LOC380994 // LOC380994
17207163	6,153277	5,35544	5,616086	4,934934	4,936789	4,545818	5,7082677	4,805847	-0,90242067	0,534988332	---
17547174	4,606083	7,28194	6,779145	4,57299	6,716908	4,671982	6,2223893	5,320626667	-0,90176267	0,535232391	Srsy
17546459	3,806185	7,299528	6,341484	4,245879	6,53815	3,976135	5,8157323	4,920054667	-0,89567767	0,537494662	---
17546461	4,408773	7,119131	6,516418	4,296305	7,087074	3,994833	6,014774	5,126070667	-0,88870333	0,540099331	LOC382133 // LOC382133
17546463	4,408773	7,119131	6,516418	4,296305	7,087074	3,994833	6,014774	5,126070667	-0,88870333	0,540099331	LOC382133 // LOC382133
17546465	4,408773	7,119131	6,516418	4,296305	7,087074	3,994833	6,014774	5,126070667	-0,88870333	0,540099331	LOC382133 // LOC382133
17204657	6,051011	4,936523	5,804813	4,940075	4,074475	5,14749	5,597449	4,72068	-0,876769	0,544585698	---
17546567	3,999115	6,481046	5,446589	3,316533	6,384085	3,600082	5,3089167	4,433566667	-0,87535	0,545121603	---
17546759	3,999115	6,481046	5,446589	3,316533	6,384085	3,600082	5,3089167	4,433566667	-0,87535	0,545121603	---
17546452	4,674409	7,725236	7,004985	4,671883	7,577065	4,54354	6,46821	5,597496	-0,870714	0,546876131	LOC100041256 // LOC100041256
17391444	10,31414	10,50451	10,34894	10,56019	7,211289	10,78819	10,389197	9,519889667	-0,869307	0,547409736	---
17202701	4,457385	4,596228	4,40694	3,614747	3,575785	3,670007	4,486851	3,620179667	-0,86667133	0,548410716	---
17396238	4,429435	3,95057	4,821748	3,552686	3,900761	3,160961	4,4005843	3,538136	-0,86244833	0,550018354	---
17359952	5,672859	7,007739	7,165126	4,943341	5,892473	6,426635	6,6152413	5,754149667	-0,86109167	0,550535818	---
17547351	4,653702	6,890249	5,796762	4,393915	6,159597	4,204927	5,7802377	4,919479667	-0,860758	0,55066316	---
17547378	4,653702	6,890249	5,796762	4,393915	6,159597	4,204927	5,7802377	4,919479667	-0,860758	0,55066316	---
17546592	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546681	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546690	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546695	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546702	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly // Sly
17546710	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546719	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17547034	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17547071	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17547151	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17547158	3,297479	6,100185	5,069816	3,106604	5,714133	3,066084	4,8224933	3,962273667	-0,86021967	0,550868676	Sly
17546984	3,819956	6,603892	5,688056	3,808316	5,901648	3,829311	5,3706347	4,513091667	-0,857543	0,551891664	LOC100039753 // LOC100039753
17547456	3,430213	7,142767	6,072444	3,42825	6,957794	3,68891	5,5484747	4,691651333	-0,85682333	0,552167036	Ssty2 // Ssty2
17547353	3,904781	7,365297	6,44008	4,295897	6,742358	4,108459	5,903386	5,048904667	-0,85448133	0,553064124	---
17547383	3,904781	7,365297	6,44008	4,295897	6,742358	4,108459	5,903386	5,048904667	-0,85448133	0,553064124	---
17208657	4,255931	5,839297	5,276218	4,000248	3,226817	5,58268	5,1238153	4,269915	-0,85390033	0,553286898	---
17204755	6,168057	6,523769	6,899465	5,725948	5,263679	6,041483	6,5304303	5,677036667	-0,85339367	0,553481244	---
17202183	4,156521	5,127447	3,651848	3,535062	3,053003	3,788274	4,3119387	3,458779667	-0,853159	0,55357128	---
17547022	4,60723	7,300417	6,786286	4,580131	6,872087	4,690459	6,231311	5,380892333	-0,85041867	0,554623762	Srsy
17547030	4,60723	7,300417	6,786286	4,580131	6,872087	4,690459	6,231311	5,380892333	-0,85041867	0,554623762	Srsy
17201859	5,332694	5,661129	4,940925	4,375771	4,569787	4,456336	5,3115827	4,467298	-0,84428467	0,556986912	---
17210597	5,415656	5,600383	5,175145	4,855229	3,873588	4,948991	5,3970613	4,559269333	-0,837792	0,55949921	---
17475223	6,346176	6,739512	5,276218	4,478904	5,071432	6,30116	6,1206353	5,283832	-0,83680333	0,559882762	---
17207351	6,329433	6,715394	6,593207	5,247363	5,964538	5,91663	6,5460113	5,709510333	-0,836501	0,560000104	---
17232489	3,33795	4,219289	6,462747	4,218918	3,897973	3,402478	4,6733287	3,839789667	-0,833539	0,561151022	Sult3a1
17547231	3,523305	7,048563	5,905824	3,393527	6,899693	3,690264	5,492564	4,661161333	-0,83140267	0,561982587	LOC100039574

17544316	5,267457	7,191197	6,769214	5,321858	6,542293	4,870653	6,4092893	5,578268	-0,83102133	0,56213115	Astx // Astx // Astx	
17546550	3,388394	6,133251	5,54091	3,028619	5,945688	3,60816	5,0208517	4,194155667	-0,826696	0,563819	LOC380994 // LOC380994	
17546733	3,557591	6,526745	5,580652	3,286362	6,612576	3,286538	5,2216627	4,395158667	-0,826504	0,56389404	Sly // Sly	
17546700	3,33702	5,941303	4,321185	2,840911	5,276218	3,005726	4,5331693	3,707618333	-0,825551	0,564266654	Sly	
17546737	3,33702	5,941303	4,321185	2,840911	5,276218	3,005726	4,5331693	3,707618333	-0,825551	0,564266654	Sly // Sly	
17546739	3,33702	5,941303	4,321185	2,840911	5,276218	3,005726	4,5331693	3,707618333	-0,825551	0,564266654	Sly	
17547149	3,33702	5,941303	4,321185	2,840911	5,276218	3,005726	4,5331693	3,707618333	-0,825551	0,564266654	Sly // Sly	
17546741	3,33702	5,941303	4,321185	2,840911	5,276218	3,005726	4,5331693	3,707618333	-0,825551	0,564266654	---	
17204535	4,831812	5,312044	5,574833	4,271067	4,088634	4,884809	5,239563	4,414836667	-0,82472633	0,56458929	---	
17204365	6,325342	5,900469	5,812974	5,672129	4,044016	5,849154	6,0129283	5,188433	-0,82449533	0,564679697	---	
17547387	3,784174	7,075294	6,069888	4,125587	6,269927	4,063505	5,6431187	4,819673	-0,82344567	0,565090693	---	
17546538	3,35464	6,452721	5,527612	3,067313	6,375113	3,425389	5,1116577	4,289271667	-0,822386	0,565505907	LOC380994 // LOC380994	
17546541	3,35464	6,452721	5,527612	3,067313	6,375113	3,425389	5,1116577	4,289271667	-0,822386	0,565505907	LOC380994 // LOC380994	
17547205	3,35464	6,452721	5,527612	3,067313	6,375113	3,425389	5,1116577	4,289271667	-0,822386	0,565505907	LOC380994 // LOC380994	
17475498	10,38855	10,50738	10,30518	9,612389	9,295098	9,8269	10,40037	9,578129	-0,822241	0,565562747	Cyp2f2	
17546989	3,477252	6,249974	5,285896	3,524823	5,526796	3,498688	5,004374	4,183435667	-0,82093833	0,566073647	LOC100039753 // LOC100039753	
17200453	4,860666	4,191156	5,316798	3,767399	4,083385	4,06878	4,78954	3,973188	-0,816352	0,567876061	---	
17365098	9,513264	9,740421	9,101692	8,68905	7,865733	9,355438	9,4517923	8,636740333	-0,815052	0,568387999	Scd1	
17203543	6,582784	5,435662	4,308971	6,173804	4,936306	2,779487	5,4424723	4,629865667	-0,81260667	0,56935222	---	
17547723	8,374012	8,787478	8,635737	7,73604	7,781415	7,846176	8,5990757	7,787877	-0,81119867	0,569908152	Ywhaq // Ywhaq	
17547026	4,983136	7,481906	6,956645	4,969537	6,971817	5,046755	6,4738957	5,662703	-0,81119267	0,569910522	Srsy	
17307117	9,272886	9,716673	9,55653	8,975078	8,557271	8,588086	9,515363	8,706811667	-0,80855133	0,570954888	Gjb2	
17547269	4,228975	7,536777	6,538465	4,324965	7,205297	4,353359	6,1014057	5,294540333	-0,80686533	0,571622523	---	
17547371	4,228975	7,536776	6,538465	4,324965	7,205297	4,353359	6,1014053	5,294540333	-0,806865	0,571622655	---	
17546498	3,946838	7,025564	5,919765	3,749016	6,840199	3,883127	5,6307223	4,824114	-0,80660833	0,57172436	Ssty2	
17547434	4,096217	7,295145	6,253305	4,228714	6,813716	4,184257	5,8815557	5,075562333	-0,80599333	0,57196813	---	
17547291	3,280609	7,036769	5,968871	3,314757	6,940433	3,61885	5,4287497	4,62468	-0,80405967	0,572731292	LOC100039574	
17546454	3,994581	7,120702	6,048251	3,981761	6,937217	3,832477	5,721178	4,917151667	-0,80402633	0,572748495	Ssty2	
17547365	3,994581	7,120702	6,048251	3,981761	6,937217	3,832477	5,721178	4,917151667	-0,80402633	0,572748495	Ssty2	
17546425	5,023037	7,217721	6,987842	4,715924	7,078928	5,023101	6,4095333	5,605984333	-0,803549	0,572938027	Srsy	
17547283	4,330376	7,388045	6,500236	4,375998	7,227492	4,205274	6,0728857	5,269588	-0,80329767	0,573037848	LOC100039810 // LOC100039810	
17329423	7,196228	7,242578	6,601696	6,108513	6,332161	6,1903	7,0135007	6,210324667	-0,803176	0,573086176	Sst	
17537423	5,23636	7,784663	7,023537	5,431755	7,105444	5,099244	6,68152	5,878814333	-0,80270567	0,573273038	Astx	
17537437	5,23636	7,784663	7,023537	5,431755	7,105444	5,099244	6,68152	5,878814333	-0,80270567	0,573273038	Astx	
17537483	5,23636	7,784663	7,023537	5,431755	7,105444	5,099244	6,68152	5,878814333	-0,80270567	0,573273038	Astx	
17537502	5,23636	7,784663	7,023537	5,431755	7,105444	5,099244	6,68152	5,878814333	-0,80270567	0,573273038	Astx	
17428875	3,744872	3,372462	4,112525	3,053003	2,674052	3,105647	3,7432863	2,944234	-0,79905233	0,574726576	---	
17203017	3,721965	4,206904	4,419985	3,32912	3,298916	3,325969	4,1162847	3,318001667	-0,798283	0,575033137	---	
17208051	3,924175	3,788539	3,660829	3,237269	2,768478	2,976326	3,791181	2,994024333	-0,79715667	0,575482249	---	
17342013	4,752242	3,609703	6,415411	3,744872	3,955553	4,691483	4,9257853	4,130636	-0,79514933	0,576283519	---	
17449710	6,122308	7,396677	5,970575	5,282601	5,887056	5,944746	6,49652	5,704801	-0,791719	0,577655394	Cxcl9	
17546502	4,106062	6,048833	4,909355	3,75686	5,413983	3,518548	5,0214167	4,229797	-0,79161967	0,577695168	LOC434960	
17546671	3,904863	7,23025	6,231939	4,027783	6,879412	4,103757	5,7890173	5,003650667	-0,78536667	0,580204477	---	
17205213	5,119939	4,878115	5,14678	4,127086	4,72905	3,9456	5,048278	4,267245333	-0,78103267	0,58195009	---	
17209403	5,119939	4,878115	5,14678	4,127086	4,72905	3,9456	5,048278	4,267245333	-0,78103267	0,58195009	---	
17334404	9,932952	10,32019	9,270746	9,092921	9,136926	8,952314	9,841296	9,060720333	-0,78057567	0,582134463	Gm8842 // Gm10420 // Gm5978 // Rps2	
17208285	4,752242	4,039969	5,899795	4,896334	3,630012	3,824566	4,8973353	4,116970667	-0,78036467	0,582219608	---	
17204585	3,786086	3,972867	4,975281	3,266285	3,446347	3,68821	4,2447447	3,466947333	-0,77779733	0,583256614	---	
17547428	3,731006	6,958322	5,83412	3,802197	6,628288	3,765747	5,507816	4,732077333	-0,77573867	0,584089491	MGC107098 // MGC107098	
17321622	6,633123	6,957055	6,892505	6,301378	5,909403	5,945428	6,827561	6,052069667	-0,77549133	0,584189635	---	
17202451	5,462433	4,726288	5,760652	5,160044	3,987967	4,481207	5,3164577	4,543072667	-0,773385	0,585043174	---	
17200021	5,105613	5,425519	5,838076	4,549642	4,570985	4,93761	5,4564027	4,686079	-0,77032367	0,586285927	---	
17449346	9,095186	9,01479	9,045819	8,566771	7,853645	8,429847	9,0519317	8,283421	-0,76851067	0,587023162	Ugt2b5	
17201695	5,788575	6,218571	5,658532	5,464206	5,430978	4,473131	5,8885593	5,122771667	-0,76578767	0,588132179	---	
17547396	4,015222	7,214149	6,203393	4,042662	6,879412	4,215838	5,8109213	5,045970667	-0,76495067	0,588473491	---	
17546575	4,13821	6,789948	5,842088	3,531282	7,069899	3,885298	5,590082	4,828826333	-0,76125567	0,589982609	Sly // Sly	
17546651	4,13821	6,789948	5,842088	3,531282	7,069899	3,885298	5,590082	4,828826333	-0,76125567	0,589982609	Sly // Sly	
17546678	4,13821	6,789948	5,842088	3,531282	7,069899	3,885298	5,590082	4,828826333	-0,76125567	0,589982609	Sly // Sly	
17547163	4,13821	6,789948	5,842088	3,531282	7,069899	3,885298	5,590082	4,828826333	-0,76125567	0,589982609	Sly // Sly	
17202929	5,773761	6,270919	5,178196	5,081163	4,916772	4,943211	5,7409587	4,980382	-0,76057667	0,590260348	---	
17202921	6,372814	6,211418	5,812723	5,977304	4,927751	5,215456	6,1323183	5,373503667	-0,75881467	0,590981688	---	
17205363	6,914315	6,035198	5,588985	5,038571	5,006053	6,217675	6,1794993	5,420766333	-0,758733	0,591015143	---	
17547413	3,427644	7,069532	6,111503	3,769971	6,901469	3,670987	5,5362263	4,780809	-0,75541733	0,592375002	LOC100039574	
17547251	3,953892	6,908075	6,129179	3,984914	6,819952	3,924048	5,6637153	4,909638	-0,75407733	0,592925466	LOC382133 // LOC382133	
17293245	6,551016	7,075148	6,838996	5,684194	6,607962	5,916797	6,82172	6,069651	-0,752069	0,593751435	---	
17547417	4,00157	7,054011	6,077339	3,991448	6,923265	3,963762	5,7109733	4,959491667	-0,75148167	0,593993205	Ssty2	
17318950	6,929474	7,384344	6,717796	6,374639	6,24382	6,163717	7,010538	6,260725333	-0,74981267	0,594680772	Csf2rb2	
17546982	5,115634	6,273634	6,221198	4,654041	5,816318	4,893476	5,8701553	5,121278333	-0,748877	0,59506658	LOC100040196	
17210551	3,457789	3,854728	3,720061	2,861059	2,792099	3,138675	3,677526	2,930611	-0,746915	0,595876394	---	
17547256	3,748794	6,637788	5,738283	3,660122	6,615822	3,60884	5,374955	4,628261333	-0,74669367	0,595967818	LOC100040744 // LOC100040744	
17203913	4,365077	3,997701	4,528192	3,980606	3,105208	3,572155	4,29699	3,552656333	-0,74433367	0,596943516	---	
17209681	5,609313	4,015206	4,822145	4,811331	3,594496	3,808356	4,8155547	4,071394333	-0,74416033	0,597015241	---	
17371310	6,461539	7,43668	7,031465	6,511024	6,219338	5,969197	6,9765613	6,233186333	-0,743375	0,597340315	B3galt1	
17546476	3,331408	6,400557	5,54091	3,161691	6,428431	3,454665	5,0909583	4,348262333	-0,742696	0,597621518	LOC380994 // LOC380994	
17546479	3,331408	6,400557	5,54091	3,161691	6,428431	3,454665	5,0909583	4,348262333	-0,742696	0,597621518	LOC380994 // LOC380994	
17546482	3,331408	6,400557	5,54091	3,161691	6,428431	3,454665	5,0909583	4,348262333	-0,742696	0,597621518	LOC380994 // LOC380994	
17547321	3,331408	6,400557	5,54091	3,161691	6,428431	3,454665	5,0909583	4,348262333	-0,742696	0,597621518	LOC380994 // LOC380994	
17208897	4,575855	5,02801	4,572237	3,863076	3,907809	4,181187	4,7253673	3,984024	-0,74134333	0,598182109	---	
17546469	4,488775	6,828381	5,870141	4,561078	6,268688	4,133514	5,729099	4,98776	-0,741339	0,598183906	---	
17537513	4,941097	7,931485	7,039886	5,111472	7,399142	5,179509	6,6374893	5,896707667	-0,74078167	0,598415037	Astx // Astx // Astx	
17489250	6,401258	6,212561	5,762578	5,170062	5,038213	5,951588	6,1254657	5,386621	-0,73884467	0,599219024	---	
17201627	4,704674	4,504286	4,868264	4,063245	3,694432	4,10377	4,692408	3,953815667	-0,73859233	0,599323839	---	
17387742	4,101408	3,861211	4,203001	3,350389	3,402958	3,198678	4,0552067	3,317341667	-0,737865	0,599626064	Olfr259	
17547368	4,093962	7,263824	6,471894	4,274889	7,185934	4,155443	5,9432267	5,205422	-0,73780467	0,599651141	Ssty2 // Ssty2	
17547420	4,093962	7,263824	6,471894	4,274889	7,185934	4,155443	5,9432267	5,205422	-0,73780467	0,599651141	Ssty2 // Ssty2	
17449322	10,51506	10,01117	10,08616	9,815335	9,191863	9,391888	10,20413	9,466362	-0,737768	0,599666382	Ugt2b1	
17200791	3,788273	4,471067	5,351386	3,494043	3,694432	4,210737	4,5369087	3,799737333	-0,73717133	0,599914442	---	
17476671	6,254813	5,407842	5,776452	6,066749	3,778249	5,387142	5,8130357	5,07738	-0,73565567	0,600545031	---	
17280054	7,437006	7,411407	7,377545	6,972363	6,33753	6,711101	7,4086527	6,673664667	-0,734988	0,600823022	Trib2	
17546597	3,256958	5,672079	4,151712	3,156386	4,506548	3,222982	4,3602497	3,628638667	-0,731611	0,602231051	Sly // Sly	
17274558	7,889462	8,077404	7,787146	7,132787	7,209461	7,224119	7,918004	7,188789	-0,729215	0,603232056	Mboat2	
17547389	5,548428	7,24824	6,684917	5,108084	7,357006	4,831536	6,4938617	5,765542	-0,72831967	0,603606536	LOC382133 // LOC382133	
17547235	5,426045	7,125857	6,562534	4,985702	7,234623	4,709154	6,3714787	5,643159667	-0,728319	0,603606815	LOC382133	
17547355	5,426045	7,125857	6,562534	4,985702	7,234623	4,709154	6,3714787	5,643159667	-0,728319	0,603606815	LOC382133	
17205439	5,546922	5,314497	5,129913	4,36305	4,458366	4,985072	5,330444	4,602162667	-0,72828133	0,603622575	---	
17547344	4,641142	7,031464	6,605944	4,586595	6,901658	4,611138	6,09285	5,366463667	-0,72638633	0,604415962	---	
17203289	3,885252	4,145768	3,226613	2,984589	2,962985	3,132181	3,7525443	3,026585	-0,72595933	0,60459488	---	
17219449	4,752242	3,815353	3,694432	3,859212	2,644673	3,583673	4,0873423	3,362519333	-0,724823	0,605071274	---	
17203127	4,525661	4,926874	5,265556	4,327602	3,805929	4,410374	4,9060303	4,181301667	-0,72472867	0,605110839	---	
17547288	3,546318	7,223688	6,151903	3,957731	7,048448	3,743233	5,6406363	4,916470667	-0,72416567	0,605347025	Ssty2	
17547362	3,546318	7,223688	6,151903	3,957731	7,048448	3,743233	5,6406363	4,916470667	-0,72416567	0,605347025	MGC107098 // MGC107098	
17312186	4,456084	3,996922	6,121368	4,265794	4,071561	4,064632	4,8581247	4,133995667	-0,724129	0,60536241	Psca	
17247652	7,126163	7,193124	6,985162	6,252187	6,129012	6,752906	7,101483	6,378035	-0,723448	0,605648229	Zrsr1	
17343685	7,816056	7,335585	5,403666	6,193632	6,150321	6,045242	6,851769	6,129731667	-0,72203733	0,606240721	---	
17201183	6,98988	7,616096	6,630798	5,558317	6,448824	7,085926	7,0789247	6,364355667	-0,714569	0,609387157	---	
17364440	12,20119	12,22446	12,36585	12,13527	11,16726	11,35902	12,263833	11,55385	-0,70998333	0,611327201	Cyp2c69	
17428881	5,36541	5,435662	6,790361	5,997268	3,794019	5,672859	5,863811	5,154715333	-0,70909567	0,611703457	---	
17404191	5,824476	5,158732	5,924267	4,896333	4,781291	5,110693	5,635825	4,929439	-0,706386	0,612853436	Car3 // Car3	
17406186	8,616286	8,641311	8,259656	7,937413	7,348929	8,12844	8,505751	7,804927333	-0,70082367	0,615220863	Tdo2	
17275704	6,876822	8,104382	6,220948	6,796378	6,40327	5,909441	7,067384	6,369696333	-0,69768767	0,616559629	---	
17546457	3,515664	6,957532	6,034226	3,779763	6,961081	3,680575	5,502474	4,807139667	-0,69533433	0,617566186	MGC107098	
17547415	3,515664	6,957532	6,034226	3,779763	6,961081	3,680575	5,502474	4,807139667	-0,69533433	0,617566186	Ssty2	
17342999	4,674509	4,505275	5,165382	4,067684	3,99554	4,204596	4,781722	4,089273333	-0,69244867	0,618802673	Cpne5	
17547445	3,755743	6,954411	5,738675	3,881363	6,69539	3,7952	5,482943	4,790651	-0,692292	0,618869874	Ssty2	
17507306	4,357661	5,349718	4,732299	4,522561	3,84661	3,994832	4,813226	4,121334333	-0,69189167	0,619041628	---	
17396152	9,257109	8,150538	8,933417	8,092195	7,888917	8,284731	8,7803547	8,088614333	-0,69174033	0,619106567	Car3	
17547277	4,488224	6,560135	5,844674	4,167531	6,496611	4,155639	5,631011	4,939927	-0,691084	0,619388284	LOC100039810 // LOC100039810	
17207033	6,492808	7,007739	6,705773	5,437501	6,363653	6,336692	6,73544	6,045948667	-0,68949133	0,620072437	---	
17200243	5,746084	4,640232	5,963283	4,63739	4,982369	4,663263	5,4498663	4,761007333	-0,688859	0,620344274	---	
17205597	4,752242	5,982514	4,287179	4,084911	3,516992	5,354499	5,0073117	4,318800667	-0,688511	0,620493929	---	
17200723	4,846175	4,385405	4,164721	3,563018	3,858659	3,909374	4,4654337	3,777017	-0,68841667	0,620534502	---	
17348457	8,085735	8,593071	7,897244	7,22871	6,592972	8,689156	8,1920167	7,503612667	-0,688404	0,620539951	---	
17547065	4,300256	6,731734	6,730835	4,676303	6,834465	4,187409	5,9209417	5,232725667	-0,688216	0,62062082	Srsy // Srsy	
17546522	4,233007	6,533343	5,628524	4,243317	5,802847	4,28803	5,464958	4,778064667	-0,68689333	0,621190067	Ssty1	
17207691	3,397199	4,27058	4,165556	3,449936	3,018262	3,309125	3,944445	3,259107667	-0,68533733	0,621860405	---	
17200085	4,259609	3,720061	4,623882	3,820643	3,187765	3,541349	4,201184	3,516585667	-0,68459833	0,622179026	---	
17529398	7,389519	8,204382	7,59624	7,073011	6,833712	7,229671	7,730047	7,045464667	-0,68458233	0,622185926	Me1	
17453131	4,127944	4,256861	5,952887	4,010303	3,978356	4,296252	4,7792307	4,094970333	-0,68426033	0,622324809	---	
17200615	3,413514	3,859212	2,906405	2,674052	2,514424	2,939525	3,3930437	2,709333667	-0,68371	0,622562248	---	
17202899	6,917395	7,247293	7,233191	6,499241	6,660277	6,188279	7,1326263	6,449265667	-0,68336067	0,622713013	---	
17544837	11,30776	11,52596	11,48292	11,24634	10,56349	10,46185	11,43888	10,75722667	-0,68165333	0,623450389	Serpina7	
17203971	5,021697	6,075118	5,227309	5,196726	4,387037	4,695881	5,4413747	4,759881333	-0,68149333	0,623519535	---	
17205175	4,726725	5,678807	5,059009	4,361305	4,714345	4,344891	5,154847	4,473513667	-0,68133333	0,62358869	---	
17209365	4,726725	5,678807	5,059009	4,361305	4,714345	4,344891	5,154847	4,473513667	-0,68133333	0,62358869	---	

17260244	7,318207	7,81357	7,862424	6,972416	6,95267	7,02662	7,6647337	6,983902	-0,68083167	0,623805567	Gck	
17547285	4,152369	6,816653	5,784469	4,222793	6,49684	3,997179	5,584497	4,905604	-0,678893	0,624644389	MGC107098	
17547295	4,152369	6,816653	5,784469	4,222793	6,49684	3,997179	5,584497	4,905604	-0,678893	0,624644389	MGC107098	
17204883	5,787069	5,071173	4,272777	4,323795	4,194252	4,576886	5,043673	4,364977667	-0,67869533	0,624729979	---	
17546724	3,460468	5,871801	4,493953	3,40574	4,876668	3,517717	4,6087407	3,933375	-0,67536567	0,626173489	Sly // Sly	
17202627	4,293671	4,213825	3,982373	3,774254	3,322185	3,369793	4,1632897	3,488744	-0,67454567	0,626529495	---	
17204881	3,930006	3,926645	3,97442	3,759401	3,00172	3,04681	3,9436903	3,269310333	-0,67438	0,626601444	---	
17537409	4,983349	7,676478	7,082869	5,431227	7,22757	5,064414	6,5808987	5,907737	-0,67316167	0,627130823	Astx // Astx // Astx	
17537450	4,983349	7,676478	7,082869	5,431227	7,22757	5,064414	6,5808987	5,907737	-0,67316167	0,627130823	Astx // Astx // Astx	
17537488	4,983349	7,676478	7,082869	5,431227	7,22757	5,064414	6,5808987	5,907737	-0,67316167	0,627130823	Astx // Astx // Astx	
17205061	5,178856	4,699502	5,692377	4,372723	4,747007	4,43516	5,190245	4,518296667	-0,67194833	0,627658473	---	
17209251	5,178856	4,699502	5,692377	4,372723	4,747007	4,43516	5,190245	4,518296667	-0,67194833	0,627658473	---	
17206969	5,23392	5,86485	5,804757	5,476586	4,168885	5,245574	5,634509	4,963681667	-0,67082733	0,628146365	---	
17546509	4,743961	7,649426	7,118808	5,001966	7,710026	4,790411	6,504065	5,834134333	-0,66993067	0,628536893	LOC382133	
17453125	7,515022	7,618724	7,991293	7,496029	7,244037	6,378941	7,7083463	7,039669	-0,66867733	0,629083168	---	
17205663	5,078465	4,40623	5,074753	4,248525	4,106807	4,199266	4,8531493	4,184866	-0,66828333	0,629254994	---	
17538817	10,03368	10,10594	9,875014	10,15685	7,681977	10,17474	10,004878	9,337855667	-0,66702233	0,62980524	---	
17200887	4,10106	3,983837	4,278485	3,379821	3,446074	3,542053	4,1211273	3,455982667	-0,66514467	0,630625465	---	
17200149	5,163722	4,830859	5,337566	4,231361	4,485421	4,623057	5,1107157	4,446613	-0,66410267	0,631081105	---	
17204815	6,074015	5,490748	6,133166	5,263353	5,154176	5,300349	5,8993097	5,239292667	-0,660017	0,63287084	---	
17445359	6,401241	6,030603	6,131693	5,601192	5,346761	5,636834	6,1878457	5,528262333	-0,65958333	0,633061106	---	
17546578	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly	
17546582	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly // Sly	
17546654	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly // Sly	
17546658	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly // Sly	
17546686	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly // Sly	
17547480	3,400945	5,268951	4,05542	3,125987	4,525874	3,095798	4,241772	3,582553	-0,659219	0,633220997	Sly // Sly	
17202797	4,432372	4,835528	4,408291	3,641547	3,695411	4,362635	4,5587303	3,899864333	-0,6588666	0,633375953	---	
17220753	5,004043	5,103868	5,530568	4,212061	4,622746	4,831217	5,2128263	4,555341333	-0,657485	0,633982534	---	
17207213	5,567118	5,821293	5,159505	4,729646	4,782649	5,06429	5,515972	4,858861667	-0,65711033	0,6341472	---	
17204163	4,304471	3,776823	4,124932	2,946004	3,699835	3,590744	4,068742	3,412194333	-0,65654767	0,634394572	---	
17220898	5,586968	5,918357	6,29862	4,719311	5,315005	5,800282	5,9346483	5,278199333	-0,656449	0,634437961	---	
17208357	4,752241	5,44201	4,913456	4,461433	4,321582	4,368409	5,0359023	4,383808	-0,65209433	0,636355857	---	
17201005	4,755358	6,336725	3,920464	4,062173	4,062173	4,941199	5,0041823	4,355181667	-0,64900067	0,637721901	---	
17342006	6,90314	6,229296	5,625984	6,497536	4,641033	5,672859	6,2528067	5,603809333	-0,64899733	0,637723375	---	
17547226	4,887726	7,694474	7,056654	5,081751	7,722532	4,89115	6,5462847	5,898477667	-0,647807	0,638249762	LOC382133	
17547346	4,887726	7,694474	7,056654	5,081751	7,722532	4,89115	6,5462847	5,898477667	-0,647807	0,638249762	LOC382133	
17486261	6,22594	6,333539	5,890089	5,376865	5,570133	5,560167	6,149856	5,502388333	-0,64746767	0,638399901	Vmn2r41 // Vmn2r40	
17206405	3,536524	4,139839	3,076932	3,039092	3,083259	2,689701	3,5844317	2,937350667	-0,647081	0,638571026	---	
17206535	5,427646	6,424494	5,386197	5,382571	4,645918	5,269491	5,7461123	5,099326667	-0,64678567	0,638701761	---	
17210087	4,643565	5,371809	4,630563	4,896829	3,373057	4,436681	4,881979	4,235522333	-0,64645667	0,638847431	---	
17204981	6,983438	7,347759	6,999029	6,837591	6,285168	6,276805	7,1100753	6,466521333	-0,643554	0,64013407	---	
17491568	5,021487	4,457771	5,362721	4,660763	3,962316	4,288902	4,9473263	4,303993667	-0,64333267	0,640232284	---	
17292772	4,727339	4,00635	4,541928	3,551874	3,854571	3,941315	4,4252057	3,782586667	-0,642619	0,64054907	---	
17205341	4,447205	4,703767	4,120782	3,53532	3,575966	4,237472	4,423918	3,782919333	-0,64099867	0,641268894	---	
17206701	5,224471	4,024617	5,872196	3,947802	4,795366	4,456803	5,040428	4,399990333	-0,64043767	0,641518304	---	
17389917	6,467565	7,187689	6,668549	5,818748	6,112241	6,473892	6,774601	6,134960333	-0,63964067	0,641872801	1500003O03Rik // 1500003O03Rik	
17206079	5,627688	4,857363	5,66271	5,467115	4,165556	4,597743	5,382587	4,743471333	-0,63911567	0,642106422	---	
17201165	6,008298	5,478945	4,81299	3,283478	5,601769	5,499623	5,433411	4,794956667	-0,63845433	0,642400832	---	
17201871	2,946385	4,176476	4,537863	3,135209	3,180315	3,432944	3,886908	3,249489333	-0,63741867	0,642862158	---	
17204251	4,389776	3,359448	3,88652	3,148219	3,576496	2,999964	3,8785813	3,241559667	-0,63702167	0,643039084	---	
17200907	3,654273	4,871458	3,233618	2,918716	3,824993	3,105063	3,919783	3,282924	-0,636859	0,643111592	---	
17204875	4,633688	3,435157	3,832037	3,744872	3,115334	3,130107	3,9669607	3,330104333	-0,63685633	0,643112781	---	
17341412	5,598032	5,544364	5,422324	4,860015	4,756995	5,03838	5,5215733	4,88513	-0,63644333	0,643296911	Zfp944	
17547349	4,11277	6,601901	6,058821	4,129219	6,470588	4,265673	5,591164	4,95516	-0,636004	0,64349284	---	
17547385	4,343616	6,745325	5,755117	4,458865	6,185633	4,292995	5,614686	4,979164333	-0,63552167	0,643708013	LOC100039574	
17538757	9,726255	10,43639	10,1954	10,39145	7,412401	10,64883	10,119348	9,484227	-0,63512133	0,64388666	---	
17357510	6,532134	7,783028	7,67679	7,003245	5,314334	7,769606	7,3306507	6,695728333	-0,63492233	0,643975482	---	
17204539	3,950151	5,726359	4,079821	4,431582	3,028111	4,392881	4,5854437	3,950858	-0,63458567	0,644125777	---	
17546715	3,331688	5,29068	4,207741	3,107796	4,580208	3,23998	4,276703	3,642661333	-0,63404167	0,644368705	Sly // Sly	
17546729	3,331688	5,29068	4,207741	3,107796	4,580208	3,23998	4,276703	3,642661333	-0,63404167	0,644368705	Sly	
17547059	3,331688	5,29068	4,207741	3,107796	4,580208	3,23998	4,276703	3,642661333	-0,63404167	0,644368705	Sly // Sly	
17547067	3,331688	5,29068	4,207741	3,107796	4,580208	3,23998	4,276703	3,642661333	-0,63404167	0,644368705	Sly // Sly	
17526268	5,417981	5,885863	5,915543	4,828286	5,392308	5,100054	5,7397957	5,106882667	-0,632913	0,644873012	---	
17370367	4,943632	4,749231	4,305414	4,308971	3,704662	4,088143	4,6660923	4,033925333	-0,632167	0,645206555	---	
17204821	4,431543	4,653671	4,073528	3,972061	3,97915	3,313537	4,3862473	3,754916	-0,63133133	0,645580392	---	
17208403	4,779548	4,102294	4,73378	3,96961	4,044357	3,708807	4,5385407	3,907591333	-0,63094933	0,645751353	---	
17477693	5,109385	4,649654	5,242573	4,527585	4,224903	4,357681	5,0005373	4,370056333	-0,630481	0,645961014	Mir150	
17206819	9,040402	8,729889	8,897469	8,326742	8,113855	8,339203	8,8892533	8,259933333	-0,62932	0,646481056	---	
17358640	10,45092	10,17131	10,29441	9,420476	9,555015	10,05793	10,305547	9,677807	-0,62773967	0,647189602	Mbl2	
17208871	4,177016	4,188535	4,499523	3,682435	3,893411	3,406265	4,288358	3,660703667	-0,62765433	0,647227883	---	
17208521	4,051254	4,246337	4,243835	3,641064	3,249243	3,768711	4,1804753	3,553006	-0,62746933	0,647310884	---	
17206943	5,072577	4,830276	3,432901	3,223936	4,625971	3,605016	4,4452513	3,818307667	-0,62694367	0,647546784	---	
17530501	4,057967	4,801021	4,138816	3,662517	3,696625	3,757842	4,3326013	3,705661333	-0,62694	0,64754843	---	
17204707	3,707285	5,041899	5,051791	4,310043	3,949111	3,66416	4,600325	3,974438	-0,625887	0,648021237	---	
17206953	5,937541	5,928308	5,661214	5,655496	5,185118	4,811843	5,8423543	5,217485667	-0,62486867	0,648478808	---	
17540325	6,583641	6,365627	6,516911	6,030272	5,728793	5,833134	6,4887263	5,864066333	-0,62466	0,648572608	---	
17202491	7,598571	6,974214	7,106296	7,047428	5,91086	6,84719	7,2263603	6,601826	-0,62453433	0,648629105	---	
17270099	6,634522	7,13636	7,175143	6,129892	5,403666	7,5432	6,9820083	6,358919333	-0,623089	0,649279246	---	
17342014	7,469074	6,844181	7,286203	6,79666	6,534885	6,398925	7,1998193	6,576823333	-0,622996	0,649321102	---	
17219629	5,253721	5,299371	5,642926	5,276219	4,493001	4,559497	5,3986727	4,776239	-0,62243367	0,649574243	Olfr16	
17208603	3,83504	3,804474	3,527052	3,192905	3,079415	3,027408	3,7221887	3,099909333	-0,62227933	0,649643736	---	
17546450	3,808097	7,364269	6,475394	4,423414	7,233444	4,125372	5,8825867	5,260743333	-0,62184333	0,649840096	Ssty2 // Ssty2	
17547261	3,808097	7,364269	6,475394	4,423414	7,233444	4,125372	5,8825867	5,260743333	-0,62184333	0,649840096	Ssty2 // Ssty2	
17547394	3,808097	7,364269	6,475394	4,423414	7,233444	4,125372	5,8825867	5,260743333	-0,62184333	0,649840096	Ssty2 // Ssty2	
17551087	7,3652	7,797523	7,538991	6,877935	6,612575	7,347445	7,567238	6,945985	-0,621253	0,650106057	---	
17200515	5,325091	4,988576	5,39275	5,052213	4,605537	4,187366	5,2354723	4,615038667	-0,62043367	0,650475369	---	
17463640	3,8726	3,653062	3,902339	3,196189	3,001968	3,37476	3,8093337	3,190972333	-0,61836133	0,651410404	Tas2r110	
17205911	5,833282	5,107733	5,074058	3,879455	5,022736	5,270535	5,3383577	4,724242	-0,61411567	0,653330245	---	
17498750	7,288272	8,015219	7,425038	7,178652	6,848557	6,859041	7,5761763	6,962083333	-0,614093	0,65334051	Cd209g	
17221248	3,602498	4,032043	4,391096	3,494044	3,270892	3,418746	4,0085457	3,394560667	-0,613985	0,65338942	---	
17546588	3,657115	5,578735	5,181997	3,630099	5,396122	3,550381	4,805949	4,192200667	-0,61374833	0,653496614	Sly	
17546662	3,657115	5,578735	5,181997	3,630099	5,396122	3,550381	4,805949	4,192200667	-0,61374833	0,653496614	Sly	
17202159	4,741705	4,690765	4,664652	3,763747	3,727498	4,76507	4,6990407	4,085438333	-0,61360233	0,653562751	---	
17200109	5,78502	5,206208	4,994603	4,523136	4,864604	4,757839	5,3286103	4,715193	-0,61341733	0,653646564	---	
17206103	7,234707	6,754609	7,090241	6,472928	6,255451	6,511163	7,026519	6,413180667	-0,61333833	0,653682358	---	
17208417	5,642663	5,241036	5,104214	4,78705	5,074207	4,289805	5,3293043	4,717020667	-0,61228367	0,6541604	---	
17205977	6,549954	5,989792	6,34003	6,375044	4,747641	5,921672	6,2932587	5,681452333	-0,61180633	0,654376873	---	
17204689	6,803945	7,044979	6,938224	6,513995	6,090428	6,348302	6,9290493	6,317575	-0,61147433	0,654527479	---	
17200783	4,938427	3,907379	6,138235	4,551262	3,981789	4,617241	4,9946803	4,383430667	-0,61124967	0,654629414	---	
17546419	4,798768	6,959266	6,138408	4,745858	6,691691	4,629742	5,9654807	5,355763667	-0,609717	0,655325238	Ssty1	
17546440	4,798768	6,959266	6,138408	4,745858	6,691691	4,629742	5,9654807	5,355763667	-0,609717	0,655325238	Ssty1	
17546446	4,798768	6,959266	6,138408	4,745858	6,691691	4,629742	5,9654807	5,355763667	-0,609717	0,655325238	Ssty1	
17203891	4,983554	5,819384	5,434077	5,276218	4,263869	4,873567	5,4123383	4,804551333	-0,607787	0,656202502	---	
17478958	10,97339	11,28325	11,20352	10,84759	10,14512	10,64411	11,153387	10,54560667	-0,60778	0,656205686	1810008I18Rik	
17203753	5,905418	5,386045	6,629614	5,781452	5,222217	5,095726	5,9736923	5,366465	-0,60722733	0,656457113	---	
17383381	5,581587	5,120999	6,638279	5,387721	5,010295	5,121948	5,7802883	5,173321333	-0,606967	0,656575581	Cel	
17284414	5,735585	6,057041	5,227585	5,387621	5,227585	4,584757	5,6734037	5,066654333	-0,60674933	0,656674649	---	
17202611	4,065085	4,945574	5,121948	3,816674	4,473316	4,027943	4,710869	4,105977667	-0,60489133	0,657520904	---	
17546668	4,531627	7,705984	7,106485	5,007867	7,709208	4,816653	6,448032	5,844576	-0,603456	0,658175395	LOC382133	
17238359	8,673971	9,18926	8,597946	8,340385	8,213619	8,097589	8,8203923	8,217197667	-0,60319467	0,65829463	Apon	
17547223	4,485297	7,717566	7,118067	5,019449	7,711031	4,78373	6,44031	5,83807	-0,60224	0,658730383	LOC382133	
17547341	4,485297	7,717566	7,118067	5,019449	7,711031	4,78373	6,44031	5,83807	-0,60224	0,658730383	LOC382133	
17547375	4,485297	7,717566	7,118067	5,019449	7,711031	4,78373	6,44031	5,83807	-0,60224	0,658730383	LOC382133	
17547407	4,485297	7,717566	7,118067	5,019449	7,711031	4,78373	6,44031	5,83807	-0,60224	0,658730383	LOC382133	
17547410	4,485297	7,717566	7,118067	5,019449	7,711031	4,78373	6,44031	5,83807	-0,60224	0,658730383	LOC382133	
17209119	4,796451	5,149118	4,259067	4,195672	3,941889	4,262881	4,7348787	4,133480667	-0,601398	0,65911495	---	
17243019	6,642828	7,481659	7,488444	7,166253	6,328498	6,31423	7,2043103	6,602993667	-0,60131667	0,65915211	---	
17209915	5,769317	5,329129	5,792907	5,533587	4,862967	4,691484	5,630451	5,029346	-0,601105	0,659248825	---	
17200585	3,585931	4,980228	3,912974	3,403615	3,745765	3,530747	4,159711	3,560042333	-0,59966867	0,659905494	---	
17219633	4,383051	4,096879	4,054191	3,826877	3,578802	3,331213	4,1780403	3,578964	-0,59907633	0,660176489	Olfr218	
17208563	6,150321	5,755008	5,637327	4,930556	5,745151	5,075871	5,847552	5,250526	-0,597026	0,661115388	---	
17208309	7,199886	7,650729	7,149604	7,061825	6,605571	6,542081	7,3334063	6,736492333	-0,596914	0,661166714	---	
17210465	5,104258	5,465283	5,633634	4,565513	5,151933	4,695136	5,4010583	4,804194	-0,59686433	0,661189476	---	
17270116	6,983242	7,026304	6,934931	7,203154	5,924267	6,026959	6,9814923	6,384793333	-0,596699	0,661265253	---	
17549298	3,435184	4,849085	3,651848	3,053003	3,866327	3,226818	3,9787057	3,382049333	-0,59665633	0,66128481	---	
17314679	7,841655	8,038385	7,783657	7,234957	7,215379	7,42424	7,887899	7,291525333	-0,59637367	0,661414387	Tuba1b // Tuba1b	
17491634	5,181779	4,771572	4,603392	4,336216	3,579368	4,853591	4,8522477	4,256391667	-0,595856	0,661651758	---	
17449517	8,589488	8,805445	8,15082	7,961494	7,28704	8,511629	8,515251	7,920054333	-0,59519667	0,661954212	---	
17486707	9,290318	9,052325	9,174664	8,779521	8,446836	8,506184	9,1724357	8,577513667	-0,594922	0,66208025	2810007J24Rik	
17208379	3,962794	4,836417	4,562243	3,964985	3,853187	3,759163	4,453818	3,859111667	-0,59470633	0,662179231	---	
17438737	5,939619	5,367744	5,96834	5,353889	5,059542	5,078325	5,7585677	5,163918667	-0,594649	0,662205547	Gm7714	
17510583	5,907071	6,411982	6,42004	5,877633	5,197193	5,88038	6,2463643	5,651735333	-0,594629	0,662214727	---	
17350921	7,835482	7,887252	6,771608	6,879133	6,698367	7,133552	7,498114	6,903684	-0,59443	0,662306077	F830016B08Rik // F830016B08Rik	

17320035	6,816287	6,800766	4,797316	5,470645	6,046152	5,118797	6,138123	5,545198	-0,592925	0,662997346	Mir1249	
17324303	5,855784	5,668561	5,920378	6,087567	4,905549	4,673732	5,8149077	5,222282667	-0,592625	0,663135227	---	
17205495	4,287173	3,086156	2,930133	2,674052	2,973156	2,882678	3,4344873	2,843295333	-0,591192	0,663794233	---	
17421396	5,017322	4,834324	4,140557	4,802366	3,496346	3,922576	4,6640677	4,073762667	-0,590305	0,664202473	---	
17254041	5,929696	6,735865	6,207006	5,687034	5,435379	5,983813	6,2908557	5,702075333	-0,58878033	0,664904786	Ccl2	
17205359	6,747958	5,986207	5,558704	5,389195	5,838293	5,301215	6,097623	5,509567667	-0,58805533	0,665239005	---	
17398565	7,243706	6,703051	6,575846	5,839297	6,611698	6,310274	6,8408677	6,253756333	-0,58711133	0,665674434	Gm6525	
17201161	5,656941	6,208749	5,6396	4,927943	5,085439	5,730766	5,8350967	5,248049333	-0,58704733	0,665703965	---	
17538831	7,723526	7,628301	7,693639	7,300933	6,696112	7,288682	7,681822	7,095242333	-0,58657967	0,665919796	---	
17236288	9,079985	8,972974	8,384923	7,765357	8,00754	8,906921	8,8126273	8,226606	-0,58602133	0,666177562	Igf1	
17208337	4,45315	4,992811	4,026103	3,765076	3,951914	3,997508	4,490688	3,904832667	-0,58585533	0,666254218	---	
17547423	4,428051	6,741466	6,01912	4,43801	6,815901	4,17751	5,7295457	5,143807	-0,58573867	0,666308098	LOC382133 // LOC382133	
17285922	6,16664	5,992223	5,851145	5,840495	4,96393	5,44921	6,003336	5,417878333	-0,58545767	0,666437891	Slc17a1	
17479485	5,104444	4,698954	5,158818	4,586279	4,533037	4,087363	4,9874053	4,402226333	-0,585179	0,66656663	---	
17203985	6,214975	6,044613	6,85437	6,748542	4,679689	5,931149	6,3713193	5,78646	-0,58485933	0,666714342	---	
17341701	8,26063	8,638515	8,335488	8,366417	7,561136	7,554756	8,4115443	7,827436333	-0,584108	0,667061647	---	
17546748	3,192813	5,208249	4,331776	3,018035	4,716232	3,247824	4,2442793	3,660697	-0,58358233	0,667304745	Sly	
17204213	6,209943	7,005093	7,260991	6,410147	5,815805	6,500562	6,8253423	6,242171333	-0,583171	0,66749503	---	
17342007	7,476134	7,785392	7,674918	6,815626	7,163717	7,207723	7,6454813	7,062355333	-0,583126	0,667515851	---	
17201765	4,633203	4,993078	5,318521	4,642179	4,062492	4,491469	4,9816007	4,398713333	-0,58288733	0,667626288	---	
17201941	4,633203	4,993078	5,318521	4,642179	4,062492	4,491469	4,9816007	4,398713333	-0,58288733	0,667626288	---	
17203005	6,488592	7,363645	6,556417	6,59826	6,186492	5,875396	6,8028847	6,220049333	-0,58283533	0,667650352	---	
17204629	3,15996	3,998113	3,629714	2,823604	3,136468	3,081331	3,595929	3,013801	-0,582128	0,667977772	---	
17208413	4,815142	5,533358	4,74843	4,616211	4,790011	3,944565	5,03231	4,450262333	-0,58204767	0,668014968	---	
17203451	2,961785	3,725352	3,122024	2,676543	2,487258	2,902229	3,2697203	2,688676667	-0,58104367	0,668480014	---	
17200579	4,093076	4,089271	4,422558	3,458821	3,776118	3,626918	4,201635	3,620619	-0,581016	0,668492834	---	
17291177	7,34438	7,513692	7,556413	6,775074	6,904896	6,992282	7,471495	6,890750667	-0,58074433	0,668618726	Hist1h2bh	
17522789	5,836481	5,5608	5,793471	4,903234	5,339928	5,206941	5,7302507	5,150034333	-0,58021633	0,668863473	---	
17207419	3,962665	4,156663	4,813063	3,237459	3,666473	4,287838	4,310797	3,73059	-0,580207	0,6688678	---	
17407509	4,033041	4,989244	4,169493	4,01222	3,579703	3,859734	4,3972593	3,817219	-0,58004033	0,668945075	Tdpoz1	
17548536	6,081096	6,634851	6,365769	5,605902	5,625155	6,111789	6,360572	5,780948667	-0,57962333	0,669138457	Gm20176	
17219473	5,565117	7,628301	6,570187	6,381208	5,677307	6,967957	6,9212017	6,342157333	-0,57904433	0,669407058	---	
17352601	3,460815	3,850826	4,364533	3,379243	3,203628	3,358038	3,892058	3,313636333	-0,57842167	0,669696036	---	
17547402	4,299768	6,596501	5,887503	4,267921	6,667022	4,114306	5,5945907	5,016416333	-0,57817433	0,669810857	LOC382133 // LOC382133	
17547271	4,050878	6,825177	5,764431	3,978902	6,9323	3,995822	5,5468287	4,969008	-0,57782067	0,669975077	Ssty2	
17548673	7,25443	7,463063	7,37258	6,526548	6,864458	6,966403	7,3633577	6,785803	-0,57755467	0,670098616	LOC100862010	
17467401	4,056556	4,082434	4,400416	3,69418	3,591392	3,527007	4,179802	3,604193	-0,575609	0,671002943	---	
17206985	4,307302	4,462806	4,865544	3,994359	4,038774	3,878498	4,5452173	3,970543667	-0,57467367	0,671438112	---	
17209173	6,941041	7,293727	7,033288	6,544199	6,878302	6,127344	7,089352	6,516615	-0,572737	0,672340052	---	
17401623	5,180242	4,883236	4,346164	4,07609	4,117187	4,499447	4,803214	4,230908	-0,572306	0,672540941	---	
17208219	6,602836	7,031946	6,403087	6,187582	5,921193	6,213324	6,6792897	6,107366333	-0,57192333	0,672719352	---	
17204261	5,80348	4,807562	4,993113	5,016023	4,428652	4,444048	5,201385	4,629574333	-0,57181067	0,67277189	---	
17208883	4,412981	4,273292	4,951948	4,18618	3,863147	3,873905	4,5460737	3,974410667	-0,571663	0,672840755	---	
17547392	5,165865	6,807764	6,128985	4,888319	6,624321	4,877919	6,0342047	5,463519667	-0,570685	0,673297027	LOC100041223	
17340433	5,241418	5,958026	5,107224	4,398333	4,735848	5,462249	5,435556	4,865476667	-0,57007933	0,673579747	---	
17547246	4,279881	6,628525	5,820096	4,263422	6,770514	3,984629	5,5761673	5,006188333	-0,569979	0,673626594	LOC382133	
17204645	5,451859	4,876266	4,792891	4,819905	4,350952	4,240964	5,0403387	4,470607	-0,56973167	0,673742089	---	
17209675	5,94499	5,69243	5,614613	5,173913	5,054038	5,316515	5,7506777	5,181488667	-0,569189	0,673995563	---	
17203819	4,761857	5,669188	4,745647	4,410022	4,658957	4,404845	5,0588973	4,491274667	-0,56762267	0,674727717	---	
17546673	4,457299	6,760273	5,972446	4,47086	6,818881	4,19914	5,730006	5,162960333	-0,56704567	0,674997626	LOC382133 // LOC382133	
17343488	5,901573	5,568076	5,097406	5,027767	4,67044	5,167763	5,5223517	4,955323333	-0,56702833	0,675005736	Cyp4f14	
17207929	3,872685	5,36541	3,74106	3,513437	3,602498	4,165556	4,326385	3,760497	-0,565888	0,675539484	---	
17207147	4,481867	4,6542	4,656201	4,562509	3,334012	4,19874	4,5974227	4,031753667	-0,565669	0,675642038	---	
17502330	6,514654	6,487931	6,63249	5,571555	6,127861	6,238874	6,545025	5,97943	-0,565595	0,675676695	Zfp709	
17232547	3,860271	3,918902	4,345752	3,368555	3,653081	3,409292	4,0416417	3,476976	-0,56466567	0,676112082	---	
17209903	5,963388	5,201574	5,094918	4,063553	5,712147	4,794674	5,41996	4,856791333	-0,56316867	0,676814008	---	
17207671	5,094232	5,126599	6,429617	5,394965	4,272648	5,294771	5,5501493	4,987461333	-0,562688	0,677039542	---	
17468531	8,812247	8,672503	8,485917	7,906019	7,816056	8,562325	8,656889	8,0948	-0,562089	0,677320703	---	
17449332	7,267192	7,216733	6,426416	6,357931	5,921294	6,946515	6,9701137	6,40858	-0,56153367	0,677581473	Ugt2b36	
17204549	3,25252	4,032043	5,113989	3,494044	4,326697	2,894129	4,1328507	3,571623333	-0,56122733	0,677725362	---	
17448751	6,634522	7,359209	6,451573	5,503294	6,429427	6,833166	6,8151013	6,255295667	-0,55980567	0,678393538	---	
17200851	4,355606	5,980546	4,919571	4,178976	4,468184	4,930899	5,085241	4,526019667	-0,55922133	0,678668363	---	
17438987	6,395637	7,711463	6,423502	5,864317	6,638485	6,350146	6,843534	6,284316	-0,559218	0,678669931	Cxcl1	
17200571	6,357809	6,083107	5,854873	6,05294	5,351203	5,214048	6,0985963	5,539397	-0,55919933	0,678678712	---	
17359053	3,683466	4,41345	4,290625	3,518979	3,718629	3,473125	4,1291803	3,570244333	-0,558936	0,678802602	---	
17229965	3,694432	3,859212	3,714786	3,373194	2,960838	3,259748	3,7561433	3,197926667	-0,55821667	0,67914114	---	
17201297	3,044796	3,211247	4,01853	2,695192	2,973334	2,931629	3,4248577	2,866718333	-0,55813933	0,679177545	---	
17203767	6,573987	5,654226	6,253994	5,974099	5,557544	5,276218	6,1607357	5,602620333	-0,55811533	0,679188844	---	
17209135	5,726458	5,799252	6,663275	5,763719	4,691483	6,059676	6,062995	5,504959333	-0,55803567	0,67922635	---	
17216244	5,156363	5,766586	5,348518	4,644443	4,924292	5,031138	5,4238223	4,866624333	-0,557198	0,679620841	Gm20253	
17547166	3,392398	5,009389	4,058626	2,970814	4,552012	3,267109	4,153471	3,596645	-0,556826	0,679796105	Sly // Sly	
17206685	5,750333	6,344943	6,903479	5,827521	6,001937	5,507392	6,3329183	5,77895	-0,55396833	0,681143968	---	
17549848	4,887463	5,521923	4,863388	4,212307	4,346159	5,052585	5,0909247	4,537017	-0,55390767	0,681172611	---	
17546415	4,557808	7,041091	6,177568	4,563278	6,882019	4,675042	5,925489	5,373446333	-0,55204267	0,682053746	Ssty1	
17546436	4,557808	7,041091	6,177568	4,563278	6,882019	4,675042	5,925489	5,373446333	-0,55204267	0,682053746	Ssty1	
17284420	5,607482	4,726737	4,667176	3,992026	4,573123	4,780344	5,000465	4,448497667	-0,55196733	0,682089362	---	
17229960	12,02837	12,52565	12,42247	11,86481	11,77963	11,67786	12,325497	11,7741	-0,55139667	0,68235922	Apcs	
17210351	5,843914	5,90937	5,668578	6,086692	4,697921	4,989246	5,8072873	5,257953	-0,54933433	0,68333535	---	
17243016	7,256221	6,800601	7,014852	6,468454	6,271823	6,68466	7,0238913	6,474979	-0,54891233	0,68353526	---	
17315743	7,010621	7,756962	7,093237	6,862055	6,549	6,803792	7,28694	6,738282333	-0,54865767	0,68365593	Osmr	
17203097	5,020936	6,14817	5,397884	5,00667	4,829263	5,085447	5,52233	4,973793333	-0,54853667	0,683713271	---	
17486461	4,938956	5,542902	4,759755	4,000248	4,723012	4,873382	5,0805377	4,532214	-0,54832367	0,683814222	---	
17488105	8,332018	8,476911	8,663323	8,254869	7,754002	7,819169	8,4907507	7,94268	-0,54807067	0,68393415	Cyp2a22	
17202467	6,463817	5,605587	6,965932	6,463481	4,651536	6,281169	6,345112	5,798728667	-0,54638333	0,684734527	---	
17340631	7,068801	7,624933	6,519286	6,411387	6,594896	6,569084	7,0710067	6,525122333	-0,54588433	0,684971405	Rsph3b	
17232162	8,665014	8,764541	9,321584	8,777474	8,427236	7,910662	8,9170463	8,371790667	-0,54525567	0,685269952	Vnn1	
17302537	5,426246	5,709298	6,100588	5,616543	5,427243	4,557463	5,7453773	5,200416333	-0,544961	0,685409931	---	
17254269	4,891019	5,745962	4,973465	4,646956	4,488059	4,84409	5,203482	4,659701667	-0,54378033	0,685971083	---	
17200317	4,936287	4,938005	4,443763	4,185753	4,027579	4,474958	4,772685	4,22943	-0,543255	0,686220914	---	
17227103	5,062436	4,873991	4,067858	3,576596	4,537863	4,265223	4,668095	4,126560667	-0,54153433	0,687039841	---	
17549946	5,062436	4,873991	4,067858	3,576596	4,537863	4,265223	4,668095	4,126560667	-0,54153433	0,687039841	---	
17279159	8,833794	9,297956	8,852829	8,140301	7,89654	9,32738	8,9948597	8,454740333	-0,54011933	0,687714022	---	
17475373	6,47681	5,617497	6,012421	5,679998	5,626195	5,18028	6,035576	5,495491	-0,540085	0,687730389	Cyp2b13	
17201849	6,634522	5,73373	6,114858	5,758152	4,995864	6,109176	6,1610367	5,621064	-0,53997267	0,68778394	---	
17203227	6,822559	6,58701	7,038197	6,051012	6,026959	6,750814	6,815922	6,276261667	-0,53966033	0,687932856	---	
17205913	4,603574	5,336217	5,346286	4,401719	4,329748	4,936127	5,095359	4,555864667	-0,53949433	0,688012016	---	
17209663	6,198839	6,025017	6,445454	5,700425	6,012772	5,337755	6,2231033	5,683650667	-0,53945267	0,688031887	---	
17210171	4,532563	5,670953	4,769433	4,858514	3,957599	4,538727	4,990983	4,451613333	-0,53936967	0,688071471	---	
17320581	7,544231	7,330991	7,669982	6,975571	6,879239	7,076454	7,515068	6,977088	-0,53798	0,688734571	---	
17549252	4,913333	5,513535	4,875823	4,255311	4,358593	5,078455	5,100897	4,564119667	-0,53677733	0,689308957	---	
17321481	6,12808	5,49771	5,584899	5,113981	5,316051	5,170351	5,7368963	5,200127667	-0,53676867	0,689313098	Tuba1c // Tuba1c	
17284517	3,540513	4,296431	3,126067	3,141489	2,842582	3,370035	3,654337	3,118035333	-0,53630167	0,689536264	---	
17290288	7,34944	8,051905	7,636565	7,351621	6,989859	7,088465	7,6793033	7,143315	-0,53598833	0,689686038	Akr1c20	
17488117	6,485035	6,554057	6,666218	5,922306	5,994493	6,182363	6,5684367	6,033054	-0,53538267	0,68997564	Cyp2f2	
17206959	3,018262	3,754982	3,104575	2,598193	2,708583	2,966691	3,2926063	2,757822333	-0,534784	0,690262015	---	
17207401	4,048461	3,420638	4,460224	3,008854	3,380187	3,936319	3,976441	3,441786667	-0,53465433	0,690324057	---	
17201201	7,062977	7,588504	6,747768	6,175404	6,783197	6,839583	7,133083	6,599394667	-0,53368833	0,690786439	---	
17203665	5,321312	6,153702	6,502848	5,387045	5,114735	5,878076	5,9926207	5,459952	-0,53266867	0,691274845	---	
17204175	4,319051	4,471957	4,482578	4,117743	3,847735	3,710778	4,4245287	3,892085333	-0,53244333	0,691382823	---	
17290850	3,526175	5,293095	3,821853	3,77433	3,613543	3,65675	4,2137077	3,681541	-0,53216667	0,691515423	---	
17263157	3,997017	4,02791	4,160837	3,505863	3,753625	3,330801	4,0619213	3,530096333	-0,531825	0,691679211	Olfr330	
17204187	5,026492	5,126685	4,639132	4,294394	4,401863	4,50072	4,9307697	4,398992333	-0,53177733	0,691702064	---	
17516298	5,960674	5,33512	5,686987	5,489903	4,572143	5,32735	5,660927	5,129798667	-0,53112833	0,692013298	Olfr978	
17547360	5,432292	6,798369	6,472271	5,052428	6,99826	5,063694	6,2343107	5,7047	-0,52951667	0,692786793	LOC382133	
17283932	5,92822	6,76184	7,392504	6,381208	5,36541	6,748485	6,694188	6,165034333	-0,52915367	0,692961129	---	
17204471	5,427937	4,897521	4,286689	4,245163	4,102909	4,676758	4,8707157	4,34161	-0,52910567	0,692984185	---	
17547124	5,068865	6,667437	6,410071	4,940373	6,541265	5,078325	6,048791	5,519987667	-0,52880333	0,693129423	---	
17408323	7,447809	7,824304	7,524183	7,206895	7,012729	6,990718	7,5987653	7,070114	-0,52865133	0,693202454	Hsd3b2 // Hsd3b2	
17254660	6,055317	6,233993	5,876941	5,212093	5,687784	5,680684	6,055417	5,526853667	-0,52856333	0,693244738	Vmp1 // Vmp1	
17203649	4,923019	4,429832	4,308488	4,190043	3,559504	4,326128	4,5537797	4,025225	-0,52855467	0,693248903	---	
17202735	4,707659	3,840701	5,765896	5,199925	3,573287	3,956214	4,7714187	4,243142	-0,52827667	0,693382501	---	
17204139	4,449352	4,381765	4,210738	2,906405	5,241523	3,309126	4,347285	3,819018	-0,528267	0,693387147	---	
17278312	11,50494	11,97052	12,04309	11,55972	11,19124	11,18416	11,839517	11,31170667	-0,52781	0,693606825	Serpina3k	
17547008	2,81212	4,453254	3,140929	2,928611	3,116903	2,777734	3,4687677	2,941082667	-0,527685	0,693666924	---	
17421390	4,413438	4,529612	4,73042	3,839909	4,330608	3,921306	4,5578233	4,030607667	-0,52721567	0,693892623	Gm13238	
17549386	10,16074	10,62359	10,51291	10,04139	9,82158	9,854229	10,432413	9,905733	-0,52668033	0,69415015	---	
17549764	10,16074	10,62359	10,51291	10,04139	9,82158	9,854229	10,432413	9,905733	-0,52668033	0,69415015	---	
17423505	7,020275	7,040523	6,968137	6,509281	6,165575	6,775206	7,009645	6,483354	-0,526291	0,694337502	---	
17204767	5,867538	5,492311	5,657976	5,426977	5,0986	4,913602	5,6726083	5,146393	-0,52621533	0,694373919	---	
17204357	5,341004	5,297526	5,793262	4,545825	4,949747	5,358387	5,477264	4,951319667	-0,52594433	0,694504365	---	
17208395	6,126494	5,675971	5,94996	5,840539	5,254993	5,079437	5,917475	5,391656333	-0,52581867	0,694564863	---	
17401660	4,89668	4,508678	4,602144	4,036385	4,034039	4,36013	4,6691673	4,143518	-0,52564933	0,694646391	Psma5	
17203421	5,827633	5,803116	5,129732	4,822995	4,928525	5,432487	5,586827	5,061335667	-0,52549133	0,694722471	---	
17425202	6,300933	7,421616	7,829262	6,832946	6,663095	6,479779	7,183937	6,658606667	-0,52533033	0,694800004	Acnat2	

17204849	4,286314	5,090543	4,425447	3,58432	4,591868	4,050884	4,600768	4,075690667	-0,52507733	0,694921859	---	
17454193	8,164371	9,480928	9,056052	8,763777	8,190535	8,174614	8,9004503	8,376308667	-0,52414167	0,6953727	Cyp3a13	
17293928	5,992511	6,043744	5,767231	5,936437	5,165795	5,130404	5,9344953	5,410878667	-0,52361667	0,695625794	Zfp457 // Zfp457	
17203033	4,60716	3,621499	4,289198	3,994454	3,782193	3,171652	4,172619	3,649433	-0,523186	0,69583348	---	
17509697	6,318913	6,783301	6,351888	5,739067	5,831607	6,315375	6,4847007	5,962016333	-0,52268433	0,696075483	1810029B16Rik	
17203655	7,434897	7,427813	7,188015	6,629688	6,616906	7,237311	7,3502417	6,827968333	-0,52227333	0,696273812	---	
17205467	4,921643	4,387468	5,379202	4,273775	4,561132	4,287616	4,8961043	4,374174333	-0,52193	0,696439531	---	
17323081	7,020759	6,833166	5,538308	6,605185	5,508072	5,713886	6,4640777	5,942381	-0,52169667	0,696552178	---	
17206971	5,089349	5,371203	5,375796	5,22192	5,13995	3,910199	5,2787827	4,757356333	-0,52142633	0,696682711	---	
17206935	3,416614	4,009632	3,513561	2,982861	3,282395	3,111897	3,6466023	3,125717667	-0,52088467	0,696944333	---	
17395777	4,849394	5,027521	4,923394	4,487326	4,098676	4,652914	4,9334363	4,412972	-0,52046433	0,697147419	Ptk6	
17200271	7,047937	6,547032	6,156217	6,850633	5,316747	6,02243	6,5837287	6,06327	-0,52045867	0,697150158	---	
17546516	4,547061	6,770752	6,055995	4,750463	6,311105	4,751435	5,7912693	5,271001	-0,52026833	0,697242138	Ssty1	
17206923	4,403339	5,503144	5,031413	4,626157	4,611512	4,140821	4,9792987	4,459496667	-0,519802	0,697467549	---	
17208527	4,588118	4,566282	4,625772	4,098788	4,219378	3,903801	4,5933907	4,073989	-0,51940167	0,697661116	---	
17208207	5,805377	6,960361	6,220994	5,521448	5,911467	5,995777	6,3289107	5,809564	-0,51934667	0,697687714	---	
17210629	5,046238	4,648752	5,13073	4,912492	4,115573	4,240062	4,9419067	4,422709	-0,51919767	0,697759774	---	
17377122	7,035374	6,955306	6,782381	6,271253	6,361047	6,584653	6,9243537	6,405651	-0,51870267	0,697999222	Gm561	
17205541	6,476089	6,417012	6,731826	6,256225	5,773415	6,042061	6,5416423	6,023900333	-0,517742	0,698464163	---	
17344860	4,185701	3,226818	4,19884	3,415551	3,248722	3,401585	3,870453	3,355286	-0,515167	0,699711933	Olfr99	
17510579	6,900045	7,175779	6,550771	6,460835	6,103133	6,520993	6,8755317	6,361653667	-0,513878	0,700337381	---	
17207345	7,212881	6,707944	7,018426	6,648757	6,500397	6,249759	6,9797503	6,466304333	-0,513446	0,700547121	---	
17549794	6,669817	6,933906	6,611831	5,814404	6,342933	6,51867	6,738518	6,225335667	-0,51318233	0,700675165	---	
17518238	6,843365	7,386507	6,901947	6,440632	6,607757	6,546189	7,0439397	6,531526	-0,51241367	0,701048584	Calml4	
17475399	4,672431	5,429965	4,866024	4,746301	4,612985	4,073166	4,9894733	4,477484	-0,51198933	0,70125481	Cyp2a4	
17549460	4,931317	5,534937	4,926905	4,256162	4,606644	4,995095	5,131053	4,619300333	-0,51175267	0,701369857	---	
17549850	4,931317	5,534937	4,926905	4,256162	4,606644	4,995095	5,131053	4,619300333	-0,51175267	0,701369857	---	
17204293	4,922667	4,614711	4,770725	3,844815	4,579815	4,349749	4,7693677	4,258126333	-0,51124133	0,701618487	---	
17300225	5,80371	6,13308	5,733652	5,85665	5,168451	5,112452	5,8901473	5,379184333	-0,510963	0,70175386	---	
17400800	6,059676	6,465245	6,019597	5,677307	5,276218	6,059676	6,181506	5,671067	-0,510439	0,702008579	---	
17247933	5,763277	6,064104	5,875374	5,531918	5,307538	5,33219	5,9009183	5,390548667	-0,51036967	0,702042528	2810471M01Rik	
17547012	3,739499	6,496925	5,851717	4,324662	5,878142	4,354332	5,3627137	4,852378667	-0,510335	0,702059398	Ssty1	
17507221	6,66317	6,802503	6,591667	6,161081	6,0622	6,304415	6,68578	6,175898667	-0,50988133	0,7022802	Cd209f	
17201539	5,956877	6,02423	5,014073	5,013878	5,364319	5,091072	5,66506	5,156423	-0,508637	0,702886183	---	
17401557	5,790413	5,211	5,537372	5,558316	4,860985	4,594363	5,5129283	5,004554667	-0,50837367	0,703014491	---	
17547466	3,347864	3,777367	4,147856	3,107418	3,460814	3,183238	3,7576957	3,25049	-0,50720567	0,70358388	---	
17204253	4,128921	3,910221	3,171064	3,273435	3,333795	3,083686	3,7367353	3,230305333	-0,50643	0,703962264	---	
17544295	5,49393	6,346832	6,304908	5,149344	5,860595	5,616929	6,0485567	5,542289333	-0,50626733	0,704041642	Srsx	
17203045	5,653344	4,872947	5,493894	4,758642	4,71136	5,032715	5,3400617	4,834239	-0,50582267	0,704258674	---	
17407336	8,295486	8,578769	8,249612	7,942642	7,982167	7,681977	8,3746223	7,868928667	-0,50569367	0,704321649	---	
17359950	7,666674	7,805346	7,595109	7,222603	7,129508	7,19825	7,689043	7,183453667	-0,50558933	0,704372586	---	
17200187	5,146292	3,995751	4,745383	4,295682	3,821913	4,253344	4,629142	4,123646333	-0,50549567	0,704418319	---	
17248282	6,485247	6,441524	6,703112	5,730794	6,025339	6,358367	6,5432943	6,038166667	-0,50512767	0,704598024	Hbq1a	
17486254	4,295079	4,167507	4,271524	3,799765	3,662501	3,756549	4,2447033	3,739605	-0,50509833	0,70461235	2810047C21Rik1	
17489989	7,840282	8,208764	7,81964	7,383296	7,389031	7,581873	7,9562287	7,4514	-0,50482867	0,704744067	AI987944	
17355951	3,651848	3,439657	3,604519	3,081503	3,102925	2,99858	3,5653413	3,061002667	-0,50433867	0,704983469	---	
17475458	5,889004	5,752433	6,061175	5,582622	5,173432	5,436223	5,9008707	5,397425667	-0,503445	0,705420301	Cyp2g1	
17205381	5,300885	4,817373	6,471496	5,152711	4,947488	4,979864	5,529918	5,026687667	-0,50323033	0,705525272	---	
17464704	5,226212	4,988486	5,521929	4,787141	4,800721	4,639689	5,2455423	4,742517	-0,50302533	0,705625531	Dlx6as2	
17206921	6,497513	6,305866	6,090378	5,669095	6,617548	5,098053	6,297919	5,794898667	-0,50302033	0,705627977	---	
17283938	8,909459	9,255473	8,672503	8,397411	8,691819	8,239305	8,9458117	8,442845	-0,50296667	0,705654226	---	
17206965	6,977842	7,156041	7,172548	6,610817	6,837507	6,349577	7,1021437	6,599300333	-0,50284333	0,705714553	---	
17200555	4,989439	4,90374	5,082239	4,586743	5,013327	3,867794	4,991806	4,489288	-0,502518	0,705873713	---	
17206527	5,040256	3,731021	3,970773	3,709341	3,852875	3,672638	4,24735	3,744951333	-0,50239867	0,705932102	---	
17533934	6,903049	5,567698	6,092236	5,927049	5,15742	5,974097	6,187661	5,686188667	-0,50147233	0,706385516	Gm2790	
17278998	8,333659	8,814821	8,638921	7,930556	8,037276	8,31573	8,5958003	8,094520667	-0,50127967	0,706479857	LOC100861856	
17209033	6,03927	5,714581	5,401708	5,597348	4,885856	5,169267	5,7185197	5,217490333	-0,50102933	0,706602455	---	
17435245	6,194204	6,858252	6,346519	6,59029	5,557103	5,74914	6,466325	5,965511	-0,500814	0,706707929	2700038G22Rik	
17202449	4,900637	4,238094	4,169279	4,000374	3,95473	3,850575	4,4360033	3,935226333	-0,500777	0,706726053	---	
17200759	4,251887	4,346653	4,745024	3,796353	4,046264	3,999382	4,4478547	3,947333	-0,50052167	0,706851143	---	
17257053	5,596907	4,360271	4,507355	4,59366	4,165648	4,205909	4,821511	4,321739	-0,499772	0,707218539	---	
17203263	4,340323	5,320293	4,221908	3,883463	4,269402	4,230826	4,627508	4,127897	-0,499611	0,707297467	---	
17208333	6,216431	6,987038	6,193632	4,982644	6,964111	5,951588	6,4657003	5,966114333	-0,499586	0,707309724	---	
17425221	7,364973	7,972998	6,617482	6,931328	6,528693	6,997178	7,3184843	6,819066333	-0,499418	0,707392094	Baat	
17245169	6,206649	6,073726	6,112989	5,577681	6,05317	5,265006	6,1311213	5,631952333	-0,499169	0,707514196	Gm5781	
17203375	6,910736	6,379581	6,362725	6,450892	6,012343	5,694029	6,551014	6,052421333	-0,49859267	0,707796893	---	
17407407	3,853348	3,834174	5,487873	3,676949	4,122347	3,880351	4,3917983	3,893215667	-0,49858267	0,707801799	Sprr3	
17538747	6,366714	6,193632	5,762578	4,391096	6,150321	6,285836	6,1076413	5,609084333	-0,498557	0,707814391	---	
17202241	4,355304	4,438601	3,657531	3,161947	3,849804	3,94448	4,1504787	3,652077	-0,49840167	0,707890605	---	
17208849	3,413515	3,875813	3,488808	3,066344	3,141637	3,076242	3,592712	3,094741	-0,497971	0,708101953	---	
17387762	5,183871	4,139656	5,127447	4,874518	3,980214	4,103771	4,8169913	4,319501	-0,49749033	0,708337912	Olfr1133	
17208597	5,412878	5,128603	5,896739	5,058314	4,408152	5,480461	5,4794067	4,982309	-0,49709767	0,708530731	---	
17391423	5,784219	3,413514	3,047793	3,123178	4,112525	3,51964	4,081842	3,585114333	-0,49672767	0,708712467	---	
17219374	6,967527	6,818686	6,95746	6,024654	6,629674	6,602315	6,9145577	6,418881	-0,49567667	0,709228951	Alyref2	
17270053	4,871527	5,02797	4,527689	4,373172	4,174903	4,392185	4,809062	4,31342	-0,495642	0,709245993	Pyy	
17208851	5,214744	5,645019	5,454188	5,108472	5,122985	4,595681	5,4379837	4,942379333	-0,49560433	0,709264511	---	
17200157	4,606453	4,206904	4,383975	4,453913	3,432627	3,824565	4,3991107	3,903701667	-0,495409	0,709360548	---	
17200345	3,290493	3,407483	3,284928	2,585474	2,800693	3,111476	3,3276347	2,832547667	-0,495087	0,70951889	---	
17200807	6,800455	6,954348	6,658527	6,686844	6,065275	6,177525	6,8044433	6,309881333	-0,494562	0,709777133	---	
17206761	5,618544	5,345841	5,068769	5,343379	4,53982	4,666915	5,3443847	4,850038	-0,49434667	0,70988308	---	
17206007	5,594434	4,945107	6,192988	4,77162	5,133095	5,34524	5,5775097	5,083318333	-0,49419133	0,709959517	---	
17204545	7,200816	8,019016	7,484744	6,80713	6,963489	7,454317	7,568192	7,074978667	-0,49321333	0,71044096	---	
17547014	4,35864	5,919791	4,920921	4,132894	5,439122	4,148199	5,0664507	4,573405	-0,49304567	0,710523531	LOC434960	
17251639	6,158537	5,808632	6,04448	5,484936	5,484726	5,564485	6,003883	5,511382333	-0,49250067	0,710791992	Chd3 // Chd3	
17200763	3,170408	4,41971	3,571795	2,906832	3,215488	3,562352	3,7206377	3,228224	-0,49241367	0,710834857	---	
17204747	3,284791	3,804474	2,833257	2,850968	2,762316	2,832425	3,3075073	2,815236333	-0,492271	0,710905154	---	
17467062	7,996759	7,293921	7,354674	7,006259	6,756499	7,40699	7,5484513	7,056582667	-0,49186867	0,711103436	Inmt	
17262644	7,278522	7,649656	7,327929	6,969137	6,876749	6,935069	7,4187023	6,926985	-0,49171733	0,711178032	Leap2	
17210751	3,474163	4,604023	4,308971	4,263869	3,175654	3,474163	4,1290523	3,637895333	-0,491157	0,711454303	---	
17546603	3,237225	5,642094	4,514694	3,127814	5,299474	3,493459	4,464671	3,973582333	-0,49108867	0,711488002	Sly	
17546607	3,237225	5,642094	4,514694	3,127814	5,299474	3,493459	4,464671	3,973582333	-0,49108867	0,711488002	Sly	
17202385	5,788747	5,596748	6,200249	5,388032	5,567163	5,157535	5,8619147	5,37091	-0,49100467	0,711529429	---	
17426621	3,995981	3,986948	3,955672	3,520022	3,504889	3,443963	3,9795337	3,489624667	-0,489909	0,712070011	2310002L09Rik	
17203689	6,555724	4,829289	6,281557	5,371985	5,997533	4,829289	5,8888567	5,399602333	-0,48925433	0,712393208	---	
17375976	5,163833	5,2385	5,941901	5,059126	5,262234	4,555168	5,448078	4,958842667	-0,48923533	0,71240259	---	
17412719	4,313012	3,807662	4,346232	4,066916	3,651848	3,280688	4,1556353	3,666484	-0,48915133	0,71244407	---	
17358008	8,415887	8,146467	8,224716	7,183438	7,959562	8,176697	8,2623567	7,773232333	-0,48912433	0,712457404	---	
17209877	5,676223	6,653538	6,799272	6,018278	5,297194	6,350163	6,3763443	5,888545	-0,48779933	0,71311204	---	
17525731	5,450376	4,696949	5,492402	4,752287	4,642446	4,781837	5,2132423	4,725523333	-0,487719	0,713151749	Olfr955	
17511714	6,913212	6,629101	6,425972	6,206429	5,807046	6,491856	6,656095	6,168443667	-0,48765133	0,713185199	Ces1e	
17202091	3,83987	4,305736	2,879331	2,978203	2,879331	3,704701	3,674979	3,187411667	-0,48756733	0,713226725	---	
17385396	5,961725	6,072231	5,650052	5,534814	5,229043	5,458574	5,8946693	5,407477	-0,48719233	0,713412138	---	
17549216	6,10605	6,48352	5,771139	5,586539	5,816838	5,496003	6,1202363	5,633126667	-0,48710967	0,713453018	---	
17202479	5,830154	6,086012	5,415642	5,220756	5,183536	5,467394	5,7772693	5,290562	-0,48670733	0,71365201	---	
17247948	7,531551	7,183613	7,333877	6,98506	6,765517	6,838938	7,3496803	6,863171667	-0,48650867	0,713750291	Efemp1	
17342016	6,501947	6,144849	6,891137	5,653609	6,438134	5,989274	6,5126443	6,027005667	-0,48563867	0,714180839	---	
17210397	5,469478	5,33813	5,821674	5,076567	5,033184	5,062659	5,543094	5,05747	-0,485624	0,7141881	---	
17200915	4,14515	5,792676	6,03594	4,861815	4,647209	5,009593	5,3245887	4,839539	-0,48504967	0,714472473	---	
17206059	5,230131	4,565663	5,419664	5,086276	4,588493	4,086116	5,0718193	4,586961667	-0,48485767	0,714567564	---	
17302054	7,84851	7,897085	7,828574	7,210549	7,299167	7,610855	7,8580563	7,373523667	-0,48453267	0,714728555	Snora31	
17467447	4,550068	3,411897	3,925152	3,472768	3,245365	3,718019	3,9623723	3,478717333	-0,483655	0,715163494	---	
17207325	6,003709	6,42333	5,907019	6,106167	5,490058	5,289689	6,1113527	5,628638	-0,48271467	0,715629782	---	
17205989	6,473207	5,859544	6,361544	5,354137	5,652404	6,240394	6,2314317	5,748978333	-0,48245333	0,715759425	---	
17546471	6,406477	6,499097	6,386973	5,535474	6,347697	5,967917	6,430849	5,950362667	-0,48048633	0,716735971	LOC100039659	
17200737	3,310346	3,897227	3,857498	3,348828	3,207685	3,069799	3,688357	3,208770667	-0,47958633	0,717183234	---	
17278253	6,219621	6,769377	6,407405	5,640525	6,157334	6,161025	6,4654677	5,986294667	-0,479173	0,717388737	Serpina3a	
17203727	5,362245	5,282216	5,325659	5,029224	4,33426	5,171808	5,3233733	4,845097333	-0,478276	0,717834914	---	
17201577	4,627295	3,532959	4,568705	3,910465	3,332728	4,051007	4,2429863	3,764733333	-0,478253	0,717846358	---	
17200027	5,77154	6,255422	6,005219	4,638786	5,617635	6,342905	6,010727	5,533108667	-0,477618333	0,718162221	---	
17428864	6,193632	4,987889	7,031826	5,467115	5,780025	5,533587	6,0711157	5,593575667	-0,47754	0,718201216	---	
17309302	4,687148	4,018054	4,5228	3,917735	3,936855	3,940843	4,409334	3,931811	-0,477523	0,718209679	---	
17201177	4,259736	5,53927	4,616425	4,35918	4,375258	4,24888	4,8051437	4,327772667	-0,477371	0,718285352	---	
17205847	6,427539	5,954487	6,243937	5,614449	6,147368	5,432841	6,2086543	5,731552667	-0,47710167	0,718419459	---	
17313575	6,401719	6,9442	6,756305	5,436918	6,480387	6,75485	6,7007413	6,224051667	-0,47668967	0,718624653	---	
17202645	3,84539	6,112654	6,041597	5,467115	4,794018	4,308971	5,3332137	4,856701333	-0,47651233	0,71871299	---	
17205689	8,917856	8,386011	8,647273	8,476992	8,358329	7,687102	8,65038	8,174141	-0,476239	0,71884917	---	
17203301	4,456524	3,602692	3,534095	3,301071	3,398066	3,465888	3,864437	3,388341667	-0,47609533	0,718920759	---	
17200847	6,601854	5,986245	6,346236	6,368189	5,492524	5,649707	6,311445	5,836806667	-0,47463833	0,719647174	---	
17203917	4,253526	3,569434	3,699374	3,558363	3,348577	3,191719	3,840778	3,366219667	-0,47455833	0,719687081	---	
17201807	5,069461	4,606536	4,825785	4,657737	4,170125	4,251908	4,8339273	4,359923333	-0,474004	0,719963663	---	
17201983	5,069461	4,606536	4,825785	4,657737	4,170125	4,251908	4,8339273	4,359923333	-0,474004	0,719963663	---	
17299979	5,747506	4,570146	4,942075	4,894727	4,096449	4,846981	5,0865757	4,612719	-0,47385667	0,720037192	---	
17489908	9,192774	9,204432	8,971177	9,049662	8,472539	8,425708	9,1227943	8,649303	-0,47349133	0,72021955	Pop4	
17484095	4,226962	4,608126	3,249463	4,02775	3,814848	2,82209	4,0281837	3,554896	-0,47328767	0,720321231	---	

17206033	6,088409	6,53826	6,345493	5,769817	6,102929	5,680128	6,324054	5,850958	-0,473096	0,720416935	---	
17206159	5,841202	5,676335	6,118151	5,888448	4,8796	5,448509	5,8785627	5,405519	-0,47304367	0,720443068	---	
17515335	10,01088	10,39931	10,61671	10,3864	9,554171	9,668422	10,3423	9,869664333	-0,47263567	0,720646841	Gm6484	
17200801	6,506081	7,626572	6,484711	7,545775	5,709298	5,944513	6,8724547	6,399862	-0,47259267	0,720668321	---	
17445751	3,868535	4,124475	4,350758	3,453883	3,941724	3,532583	4,1145893	3,64273	-0,47185933	0,721034735	---	
17549462	4,91641	5,427098	4,71583	4,241254	4,488059	4,915217	5,0197793	4,548176667	-0,47160267	0,721163024	---	
17549852	4,91641	5,427098	4,71583	4,241254	4,488059	4,915217	5,0197793	4,548176667	-0,47160267	0,721163024	---	
17248071	4,510143	6,015886	5,974602	5,951588	3,602498	5,533587	5,5002103	5,029224333	-0,470986	0,721471345	---	
17239695	6,520222	6,536155	6,53475	6,165228	6,209521	5,803544	6,5303757	6,059431	-0,47094467	0,721492015	4930444G20Rik	
17204719	2,87792	3,00937	4,012852	2,661918	2,640071	3,185762	3,3000473	2,829250333	-0,470797	0,721565867	---	
17269347	5,329684	5,234686	6,479877	5,215886	5,247171	5,168832	5,6814157	5,210629667	-0,470786	0,721571369	Krt13	
17506510	9,391092	9,879253	9,529259	9,175348	9,126926	9,086044	9,599868	9,129439333	-0,47042867	0,721750113	Snord68	
17501516	4,186282	3,653691	4,504353	3,508086	3,895117	3,529914	4,1147753	3,644372333	-0,470403	0,721762954	---	
17203983	4,710085	4,576525	5,009639	4,471865	4,007305	4,406481	4,7654163	4,295217	-0,47019933	0,721864853	---	
17486152	4,851129	6,057173	5,440851	5,084565	4,800372	5,055635	5,4497177	4,980190667	-0,469527	0,722201339	Zfp772	
17306419	7,875859	8,009566	7,44864	7,033369	7,429182	7,463269	7,7780217	7,308606667	-0,469415	0,722257407	---	
17203237	4,830202	4,434976	4,674108	4,619347	4,06691	3,845446	4,6464287	4,177234333	-0,46919433	0,722367888	---	
17201761	5,820714	6,175137	6,644573	5,489131	6,080019	5,664109	6,2134747	5,744419667	-0,469055	0,722437657	---	
17201937	5,820714	6,175137	6,644573	5,489131	6,080019	5,664109	6,2134747	5,744419667	-0,469055	0,722437657	---	
17204845	7,123898	7,796708	7,337084	7,582254	6,354617	6,914414	7,41923	6,950428333	-0,46880167	0,722564526	---	
17201357	4,400565	3,965828	3,714833	3,781952	3,411783	3,482604	4,0270753	3,558779667	-0,46829567	0,722817997	---	
17358092	4,272263	3,859402	4,031098	3,698949	3,702916	3,357221	4,0542543	3,586362	-0,46789233	0,723020103	---	
17204987	5,894816	5,419996	5,792027	6,289951	4,65644	4,757605	5,7022797	5,234665333	-0,46761433	0,723159439	---	
17337667	4,165459	4,5541	3,52118	3,629194	3,542713	3,666882	4,0802463	3,612929667	-0,46731667	0,723308662	Gm9041	
17205771	4,860327	4,765142	5,29401	4,260978	4,536546	4,721506	4,9731597	4,506343333	-0,46681633	0,723559552	---	
17207543	3,282758	3,270892	4,053041	2,973156	3,181319	3,053003	3,5355637	3,069159333	-0,46640433	0,723766213	---	
17452204	5,030497	5,320117	4,914304	4,701341	4,673287	4,492081	5,0888306	4,622236333	-0,46606967	0,723934127	Adam1a	
17295588	6,326244	6,700847	7,026575	5,924055	6,377593	6,35397	6,6845553	6,218539333	-0,466016	0,723961057	Naip5	
17342674	4,825878	4,814763	4,687986	4,207221	4,570195	4,15362	4,776209	4,310345333	-0,46586367	0,724037504	Mir3083	
17317393	7,249801	7,308514	7,15693	6,462986	6,861152	6,994695	7,238415	6,772944333	-0,46547067	0,724234763	9930014A18Rik // 9930014A18Rik	
17412858	4,80187	5,108264	5,235647	5,164009	4,180023	4,407088	5,0485937	4,583706667	-0,464887	0,724527824	---	
17208029	4,429867	3,15996	3,838879	3,395604	3,033785	3,605834	3,8095687	3,345074333	-0,46449433	0,72472505	---	
17271537	7,278854	7,280125	7,02579	6,818539	6,194041	7,17879	7,194923	6,730456667	-0,46446633	0,724739116	---	
17201569	7,618281	7,301711	7,503222	7,327447	6,741235	6,963386	7,4744047	7,010689333	-0,46371533	0,725116479	---	
17395193	5,249703	4,936229	5,125684	5,025569	4,583461	4,313844	5,103872	4,640958	-0,462914	0,725519351	---	
17372925	3,773824	4,119013	3,668201	3,460505	3,284836	3,427831	3,8536793	3,391057333	-0,462622	0,725666211	Olfr1205	
17399858	4,87388	4,76255	5,692496	4,979702	4,306565	4,656318	5,109642	4,647528333	-0,46211367	0,725921944	Sprr2a2 // Sprr2a1	
17202769	6,196117	6,335834	5,98095	4,973326	6,512189	5,641568	6,170967	5,709027667	-0,46193933	0,726009669	---	
17207525	5,411207	5,404942	6,30833	5,699605	4,510911	5,529019	5,7081597	5,246511667	-0,461648	0,726156292	---	
17446058	5,225131	5,166605	4,402393	4,622435	4,822114	3,965026	4,9313763	4,469858333	-0,461518	0,726221728	---	
17205137	5,115634	5,736159	5,083676	5,165991	4,481107	4,906521	5,311823	4,851206333	-0,46061667	0,726675582	---	
17209327	5,115634	5,736159	5,083676	5,165991	4,481107	4,906521	5,311823	4,851206333	-0,46061667	0,726675582	---	
17467404	6,459866	6,315927	5,777647	5,616543	5,832603	5,72467	6,18448	5,724605333	-0,45987467	0,727049418	---	
17520667	4,93588	4,907344	4,986747	4,442293	4,515675	4,493796	4,9433237	4,483921333	-0,45940233	0,72728749	2410012M07Rik	
17201447	5,464539	4,30564	3,393883	4,084911	3,847332	3,853813	4,3880207	3,928685333	-0,45933533	0,727321267	---	
17462832	4,028426	4,200104	4,192499	3,507688	3,738307	3,797139	4,140343	3,681044667	-0,45929833	0,72733992	Vmn2r26	
17202621	4,611758	5,343584	4,630342	4,601157	3,990655	4,617172	4,8618947	4,402994667	-0,4589	0,727540769	---	
17207645	5,186413	4,584025	4,487227	4,385082	4,124351	4,372334	4,752555	4,293922333	-0,45863267	0,727675596	---	
17494177	5,865926	5,594874	5,555569	5,223141	5,249876	5,167671	5,672123	5,213562667	-0,45856033	0,727712081	Olfr609	
17370339	3,805418	4,052865	4,26604	3,737903	3,40319	3,607766	4,041441	3,582953	-0,458488	0,727748568	Olfr345	
17549796	6,822053	7,194508	6,898902	6,102795	6,479218	6,960254	6,971821	6,514089	-0,457732	0,728130022	---	
17262234	5,80594	6,333899	5,777295	5,472638	5,672146	5,401463	5,972378	5,515415667	-0,45696233	0,728518577	Tgtp2 // Tgtp1	
17208617	4,610737	4,36863	4,513465	3,75553	4,414134	3,952355	4,4976107	4,040673	-0,45693767	0,728531033	---	
17523682	4,877946	5,439826	5,053451	4,748363	4,423152	4,8292	5,123741	4,666905	-0,456836	0,728582375	4930433N12Rik	
17276926	6,069755	6,519684	6,068982	5,585891	5,933672	5,769185	6,2194737	5,762916	-0,45655767	0,728722951	Synj2bp // Synj2bp	
17206337	5,220432	4,141747	3,862243	3,535351	4,303122	4,017467	4,4081407	3,95198	-0,45616067	0,728923508	---	
17461103	6,986987	7,183558	7,299626	6,6487	6,650894	6,802886	7,1567237	6,700826667	-0,455897	0,729056738	Kbtbd8	
17439622	8,043542	8,093956	8,081907	7,570285	7,597635	7,68417	8,073135	7,617363333	-0,45577167	0,729120077	Agpat9	
17487552	4,605545	4,146559	4,973606	3,878829	4,430603	4,04989	4,5752367	4,119774	-0,45546267	0,729276259	Vmn1r115	
17468143	8,025867	8,584311	8,418222	7,99577	7,740803	7,925807	8,3428	7,88746	-0,45534	0,729338269	Mthfd2	
17203203	3,912082	4,825075	4,955911	4,426692	3,564007	4,336702	4,564356	4,109133667	-0,45522233	0,729397756	---	
17398989	5,571172	5,202195	5,603399	4,960806	4,953115	5,099813	5,458922	5,004578	-0,454344	0,729841959	AW047730	
17526267	6,803337	7,602551	7,854651	7,16345	6,503794	7,232635	7,4201797	6,966626333	-0,45355333	0,730242057	---	
17434490	8,756126	9,749619	8,769106	8,80363	8,669525	8,442228	9,091617	8,638461	-0,453156	0,730443201	Steap4	
17208599	6,259996	5,675694	5,305734	5,793494	4,579659	5,510301	5,7471413	5,294484667	-0,45265667	0,73069606	---	
17203675	4,665705	4,160967	4,912291	4,176969	4,197323	4,00724	4,5796543	4,127177333	-0,452477	0,730787063	---	
17205693	3,897973	3,737434	3,651848	3,309126	3,226817	3,393883	3,7624183	3,309942	-0,45247633	0,730787401	---	
17480588	4,708653	4,249913	4,822919	4,540686	3,773512	4,109988	4,5938283	4,141395333	-0,452433	0,730809351	Mir326	
17208789	5,942502	5,561135	5,831298	5,291986	5,442769	5,243443	5,7783117	5,326066	-0,45224567	0,730904253	---	
17448757	8,397411	8,074258	7,850843	7,967833	7,04281	7,955292	8,107504	7,655311667	-0,45219233	0,730931273	---	
17244543	4,243017	3,964122	4,455243	3,686755	4,036604	3,582896	4,220794	3,768751667	-0,45204233	0,731007274	---	
17427367	4,632991	4,91482	4,61219	4,174352	4,611357	4,018408	4,7200003	4,268039	-0,45196133	0,731048317	Cyp2j11	
17520396	6,677733	7,349061	7,223764	6,802331	6,567009	6,525816	7,0835193	6,631718667	-0,45180067	0,731129735	Slc9a9	
17467519	4,968434	4,637893	4,497026	4,462049	3,966912	4,320045	4,7011177	4,249668667	-0,451449	0,731307975	---	
17549622	6,280295	5,487291	6,235691	5,897622	5,580705	5,171452	6,0010923	5,549926333	-0,451166	0,731451443	---	
17343153	8,506455	7,957621	7,864539	7,613502	7,735914	7,62749	8,1095383	7,658968667	-0,45056967	0,731753849	1700097N02Rik	
17428870	7,19004	6,015886	5,467115	6,063276	4,381765	6,876784	6,224347	5,773941667	-0,45040533	0,731837205	---	
17295859	5,153391	4,67519	4,711497	4,578229	4,372403	4,239411	4,8466927	4,396681	-0,45001167	0,732036928	---	
17200591	4,316994	5,886609	4,833022	5,13389	4,507947	4,045497	5,0122083	4,562444667	-0,44976367	0,732162777	---	
17210839	4,584994	3,640475	3,785465	3,36452	3,658631	3,639053	4,0036447	3,554068	-0,44957667	0,732257685	---	
17202999	5,324692	6,196771	5,30265	4,432581	5,408449	5,635967	5,6080377	5,158999	-0,44903867	0,732530804	---	
17547172	3,922308	4,8076	4,791525	3,891366	4,475111	3,808401	4,5071443	4,058292667	-0,44885167	0,73262576	---	
17326919	6,473205	6,373127	6,067307	6,028265	5,732541	5,807322	6,3045463	5,856042667	-0,44850367	0,732802501	---	
17200621	5,102504	4,950767	4,382264	4,451722	4,338262	4,305537	4,811845	4,365173667	-0,44667133	0,733733808	---	
17208755	6,654492	6,522513	6,70235	6,386271	6,210817	5,94227	6,6264517	6,179786	-0,44666567	0,73373669	---	
17203511	4,173596	4,038795	4,636629	3,929229	3,479784	4,100143	4,2830067	3,836385333	-0,44662133	0,733759238	---	
17203705	4,915711	4,803455	4,47018	4,191869	3,703138	4,955123	4,729782	4,283376667	-0,44640533	0,733869104	---	
17323820	4,866364	4,384702	4,042609	4,130271	3,470972	4,35608	4,431225	3,985774333	-0,44545067	0,734354884	---	
17210473	4,912802	6,10273	6,074745	6,150562	4,366859	5,238494	5,696759	5,251971667	-0,44478733	0,734692609	---	
17487270	4,757906	4,834263	5,17752	4,313452	4,427137	4,695561	4,9232297	4,478716667	-0,444513	0,734832327	---	
17312035	5,063361	4,464777	4,578592	4,050125	4,286391	4,436956	4,7022433	4,257824	-0,44441933	0,734880037	---	
17238914	4,806196	5,724792	5,136331	4,995092	4,112341	5,227819	5,2224397	4,778417333	-0,44402233	0,735082289	Syne1	
17420162	5,095632	5,178196	5,027302	4,480553	4,771	4,71941	5,1003767	4,656987667	-0,443389	0,735405056	Cdc42 // Cdc42 // Cdc42 // Cdc42	
17316157	3,952397	4,327257	3,861099	3,812052	3,511745	3,486943	4,0469177	3,60358	-0,44333767	0,735431223	Gm5803	
17206901	5,43713	5,451399	4,082438	4,803101	4,34397	4,494923	4,9903223	4,547331333	-0,442991	0,735607962	---	
17551111	6,235893	6,238601	6,495177	5,690014	5,836164	6,115141	6,3232237	5,880439667	-0,442784	0,735713516	---	
17204167	4,003386	3,986555	4,076488	3,456754	4,028898	3,2525	4,022143	3,579384	-0,442759	0,735726265	---	
17340831	5,752122	5,895236	5,530128	5,595304	5,053763	5,200758	5,7258287	5,283275	-0,442555367	0,735830985	Slc22a1	
17203329	3,478229	4,786085	3,796554	3,583389	3,356373	3,793612	4,0202893	3,577791333	-0,442498	0,735859378	---	
17200365	4,792131	5,483977	5,065029	4,48916	4,647311	4,877503	5,1137123	4,671324667	-0,44238767	0,735915657	---	
17551127	5,723377	6,028202	5,730412	5,385652	5,313352	5,457083	5,8273303	5,385362333	-0,441968	0,736129759	---	
17203963	4,830472	4,742331	3,885835	4,631394	3,687566	3,814373	4,4862127	4,044444333	-0,44176833	0,736231645	---	
17277710	5,789885	5,198335	5,861077	5,305413	4,836691	5,382543	5,6164323	5,174882333	-0,44155	0,736343073	---	
17208113	4,330834	3,988771	3,532615	3,248854	4,314555	2,96535	3,95074	3,509586333	-0,44115367	0,736545387	---	
17204079	5,470896	5,147315	6,005462	5,745189	4,840809	4,714394	5,5412243	5,100130667	-0,44109367	0,736576019	---	
17208791	4,065414	3,838404	3,992542	3,521108	3,283392	3,769571	3,9654533	3,524690333	-0,440763	0,736744862	---	
17306687	4,501021	4,274495	5,179131	4,341577	4,236763	4,055291	4,651549	4,211210333	-0,44033867	0,73696159	Gm10876	
17204859	4,652034	5,619151	5,03821	4,627948	4,772828	4,588828	5,1031317	4,663201333	-0,43993033	0,737170205	---	
17201107	6,844486	7,760588	6,415412	6,150321	6,227896	7,323454	7,0068287	6,567223667	-0,439605	0,737236459	---	
17370518	4,485646	3,843472	3,9651	3,580373	3,915882	3,480523	4,0980727	3,658926	-0,43914667	0,737570742	---	
17206913	4,549569	4,705248	5,260755	4,96204	3,99401	4,243445	4,838524	4,399831667	-0,43869233	0,737803054	---	
17200779	3,756694	3,733783	4,221665	3,64824	2,748616	3,99935	3,9040473	3,465402	-0,43864533	0,737827091	---	
17372552	5,666718	5,46767	5,514264	5,184741	4,955088	5,193134	5,5495507	5,110987667	-0,438563	0,737869199	Fam171b	
17202363	6,388506	5,692657	6,412983	6,441881	4,742891	5,994529	6,1647153	5,726433667	-0,43828167	0,738013102	---	
17201319	5,623173	5,2212	4,893399	5,001467	4,660598	4,761668	5,245924	4,807911	-0,438013	0,738150551	---	
17549192	5,538308	6,13199	5,896438	5,241523	5,203598	5,808065	5,8555787	5,417728667	-0,43785	0,738233955	---	
17445992	4,385117	3,772439	3,57716	3,478566	3,493398	3,45081	3,911572	3,474258	-0,437314	0,738508279	---	
17206063	5,528179	4,063338	4,376066	4,372248	4,152033	4,132123	4,655861	4,218801333	-0,43705967	0,738638483	---	
17207573	5,826114	5,692597	6,053488	6,066244	4,786277	5,408572	5,8573997	5,420364333	-0,43703533	0,738650941	---	
17401333	6,600367	6,123423	6,266177	5,732941	5,980882	5,965503	6,329989	5,893108667	-0,43688033	0,738730304	---	
17240665	3,385921	3,354721	3,98959	3,245522	3,044787	3,130106	3,576744	3,140138333	-0,43660567	0,738870961	---	
17389295	4,305963	4,025021	3,614046	3,804236	3,252561	3,579442	3,9816767	3,545413	-0,43626367	0,739046135	Olfr1307	
17546490	2,946522	5,470755	4,158805	3,06083	5,20736	2,999188	4,1920273	3,755792667	-0,43623467	0,739060991	LOC380994 // LOC380994	
17546617	2,946522	5,470755	4,158805	3,06083	5,20736	2,999188	4,1920273	3,755792667	-0,43623467	0,739060991	LOC380994 // LOC380994	
17547214	2,946522	5,470755	4,158805	3,06083	5,20736	2,999188	4,1920273	3,755792667	-0,43623467	0,739060991	LOC380994 // LOC380994	
17547220	2,946522	5,470755	4,158805	3,06083	5,20736	2,999188	4,1920273	3,755792667	-0,43623467	0,739060991	LOC380994 // LOC380994	
17547338	2,946522	5,470755	4,158805	3,06083	5,20736	2,999188	4,1920273	3,755792667	-0,43623467	0,739060991	LOC380994 // LOC380994	
17290263	6,794316	7,708412	8,254847	7,911363	6,832573	6,706677	7,5858583	7,150204333	-0,435654	0,739358514	Akr1c18	
17200743	4,236469	4,623706	4,807918	3,536071	4,927751	3,89791	4,556031	4,120577333	-0,43545367	0,739461189	---	
17370326	4,205725	3,624348	3,492922	3,490023	2,940809	3,586912	3,7743317	3,339248	-0,43508367	0,739650859	Olfr338	
17208737	5,032954	3,752388	3,988129	3,818353	3,884446	3,76571	4,2578237	3,822836333	-0,43498733	0,739700249	---	
17453136	6,944724	7,414145	7,103524	7,044632	6,362465	6,750795	7,154131	6,719297333	-0,43483367	0,739779041	---	
17439901	7,380843	7,47846	7,633153	7,171628	7,0112	7,005869	7,4974853	7,062899	-0,43458633	0,739905879	Lrrc8b	
17487919	6,952566	6,760272	8,315088	6,806728	6,978226	6,940228	7,342642	6,908394	-0,434248	0,740079418	Cnfn	

17201787	5,191318	4,512626	6,173803	5,100153	5,282483	4,192534	5,2925823	4,85839	-0,43419233	0,740107975	---	
17201963	5,191318	4,512626	6,173803	5,100153	5,282483	4,192534	5,2925823	4,85839	-0,43419233	0,740107975	---	
17206649	5,002947	5,563994	4,960634	5,057208	4,839804	4,328431	5,1758583	4,741814333	-0,434044	0,740184074	---	
17519965	7,052332	6,663276	6,918274	6,398411	6,508786	6,424754	6,8779607	6,443983667	-0,433977	0,74021845	---	
17207669	3,63917	3,306917	4,318306	2,2336	3,584432	3,144748	3,7547977	3,320926667	-0,433871	0,740272838	---	
17207923	4,729871	4,440973	4,972295	4,047891	4,277531	4,518068	4,7143797	4,281163333	-0,43321633	0,740608836	---	
17208741	4,037175	3,457502	4,210738	3,309788	3,602498	3,494044	3,901805	3,468776667	-0,43302833	0,740705352	---	
17204547	7,04829	6,769529	6,489531	6,429428	6,193632	6,385379	6,7691167	6,336146333	-0,43297033	0,740735131	---	
17200413	5,87941	5,469619	5,399251	5,504824	5,341669	4,603501	5,58276	5,149998	-0,432762	0,740842105	---	
17547937	5,003178	4,825366	5,636776	4,744623	4,804161	4,618684	5,1551067	4,722489333	-0,43261733	0,740916397	2310042E22Rik	
17204533	5,468678	5,865654	6,126096	5,793477	4,533209	5,836485	5,8201427	5,387723667	-0,432419	0,741018261	---	
17459520	6,908623	6,800998	6,786823	6,619904	6,099754	6,480327	6,832148	6,399995	-0,432153	0,7411549	Reep1	
17362717	8,262255	8,632597	8,596069	8,488986	7,91052	7,794958	8,4969737	8,064821333	-0,43215233	0,741155243	Dak	
17202109	4,479288	5,949872	5,3663	5,381438	4,790542	4,327434	5,2651533	4,833138	-0,43201533	0,741225627	---	
17284437	4,933434	4,912636	4,334079	4,29368	4,301841	4,288774	4,7267163	4,294765	-0,43195133	0,741258509	---	
17305937	4,492967	4,258015	4,635015	4,214684	3,896611	3,979256	4,461999	4,030183667	-0,43181533	0,74132839	Olfr726	
17337570	4,313538	4,184959	3,813346	3,938165	3,699826	3,378527	4,1039477	3,672172667	-0,431775	0,741349115	Olfr108	
17207195	4,609582	4,935933	4,607315	3,99633	4,43736	4,423885	4,71761	4,285858333	-0,43175167	0,741361106	---	
17430451	5,865971	5,538694	5,66201	5,177516	5,324404	5,26972	5,6888917	5,257213333	-0,43167833	0,74139879	Dcdc2b	
17388016	6,923346	6,903864	6,666572	6,503354	6,804181	5,891808	6,8312607	6,399781	-0,43147967	0,741500892	Olfr1269	
17547315	5,776464	6,689275	6,709809	5,411424	6,621858	5,85172	6,3918493	5,961667333	-0,430182	0,742168153	LOC100039675	
17217158	3,740765	3,797163	4,733028	3,54437	3,804862	3,631876	4,0903187	3,660369333	-0,42994933	0,742287854	---	
17333416	3,720353	3,272174	3,601087	2,998486	3,251443	3,054088	3,5312047	3,101339	-0,42986567	0,742330903	---	
17204151	3,173281	3,574462	3,299309	2,85842	3,104501	2,795997	3,3490173	2,919639333	-0,429378	0,742581871	---	
17204847	4,470513	5,593732	4,691545	4,083145	4,7834	4,601223	4,9185967	4,489256	-0,42934067	0,742601088	---	
17323069	10,1915	10,0985	9,536937	9,506846	9,426311	9,606445	9,9423123	9,513200667	-0,42911167	0,742718971	---	
17202571	3,514621	4,355134	4,760762	3,649445	3,28089	4,413462	4,2101723	3,781265667	-0,42890667	0,742824515	---	
17202789	6,970767	6,758776	6,835364	6,563897	6,456044	6,258761	6,854969	6,426234	-0,428735	0,742912909	---	
17207815	4,933709	5,395121	4,853752	4,764191	4,181048	4,951487	5,0608607	4,632242	-0,42861867	0,742972817	---	
17417180	9,128721	8,997526	9,100718	8,767084	8,492746	8,68229	9,075655	8,647373333	-0,42828167	0,743146389	Cyp4a12a	
17389285	6,318121	5,934688	6,022356	5,726735	5,799562	5,46494	6,0917217	5,663745667	-0,427976	0,743303857	Olfr1303	
17209545	5,210355	4,965588	4,605362	4,300917	4,578559	4,619105	4,9271017	4,499527	-0,42757467	0,743510661	---	
17206661	5,618734	5,116446	6,095318	5,686422	4,940727	4,92071	5,610166	5,182619667	-0,42754633	0,743525263	---	
17205257	5,333408	5,546991	5,029126	4,689672	4,776134	5,161115	5,303175	4,875640333	-0,42753467	0,743531275	---	
17209447	5,333408	5,546991	5,029126	4,689672	4,776134	5,161115	5,303175	4,875640333	-0,42753467	0,743531275	---	
17262218	4,332535	5,082573	4,414354	4,099971	4,397282	4,049742	4,6098207	4,182331667	-0,427489	0,743554811	Gm12185	
17200043	4,811504	5,405013	4,881598	4,866245	4,311575	4,638491	5,032705	4,605437	-0,427268	0,743668722	---	
17210241	3,070189	4,835312	4,493739	3,859212	3,226817	4,032043	4,13308	3,706024	-0,427056	0,74377801	---	
17426086	4,939641	4,790318	4,136055	4,741079	3,916306	3,928355	4,6220047	4,195246667	-0,426758	0,743931659	Mup20	
17353252	6,681392	6,689781	6,596276	6,165912	6,104308	6,418027	6,6558163	6,229415667	-0,42640067	0,744115942	Ammecr1l	
17216659	5,520202	5,66917	5,945393	5,237037	5,39138	5,229196	5,7115883	5,285871	-0,42571733	0,744468477	3110009E18Rik	
17204873	3,123792	3,647643	3,467793	3,284111	2,992065	2,686839	3,413076	2,987671667	-0,42540433	0,74463001	---	
17472420	4,467355	4,524719	4,062693	3,862832	4,183132	3,733974	4,351589	3,926646	-0,424943	0,74486816	---	
17210559	5,01891	5,308756	5,285468	4,626156	4,865162	4,847401	5,204378	4,779573	-0,424805	0,744939414	---	
17479947	3,863274	3,160541	3,335362	3,23491	3,100149	2,749765	3,453059	3,028274667	-0,42478433	0,744950085	Olfr293	
17205281	6,399364	6,301937	6,514697	5,447802	6,29954	6,195179	6,4053327	5,980840333	-0,42449233	0,745100877	---	
17209471	6,399364	6,301937	6,514697	5,447802	6,29954	6,195179	6,4053327	5,980840333	-0,42449233	0,745100877	---	
17425211	6,748302	7,067988	7,105019	6,872376	6,351206	6,425861	6,9737697	6,549814333	-0,42395533	0,74537827	Acnat1	
17206727	7,324001	7,299773	7,052178	6,972343	6,953613	6,478787	7,2253173	6,801581	-0,42373633	0,745491427	---	
17450944	6,25094	5,90111	6,2707	6,203728	5,11514	5,832767	6,1409167	5,717211667	-0,423705	0,745507618	---	
17337816	11,0917	11,20616	11,3189	11,0533	10,71433	10,57924	11,205587	10,78229	-0,42329667	0,745718653	Cyp39a1	
17547327	5,068932	5,993295	6,308926	4,997622	6,076009	5,027634	5,7903843	5,367088333	-0,423296	0,745718997	LOC100039675	
17205145	5,079005	4,494898	5,377819	4,058252	5,08519	4,539104	4,9839073	4,560848667	-0,42305867	0,745841683	---	
17209335	5,079005	4,494898	5,377819	4,058252	5,08519	4,539104	4,9839073	4,560848667	-0,42305867	0,745841683	---	
17274378	6,989427	6,514248	6,31887	6,245092	6,198462	6,110256	6,607515	6,184603333	-0,42291167	0,745917683	Gm3979 // Gm3979	
17453128	8,854937	9,035202	9,059191	8,763533	8,405251	8,511839	8,98311	8,560207667	-0,42290233	0,745922509	---	
17236194	3,704676	3,763944	3,670473	3,44302	2,874734	3,553703	3,713031	3,290485667	-0,42254533	0,746107113	Gm5174	
17339388	5,480113	5,313821	4,92956	4,645784	4,709739	5,101114	5,2411647	4,818879	-0,42228567	0,746241414	---	
17204799	4,366381	4,206548	4,453931	3,951137	3,46203	4,347328	4,3422867	3,920165	-0,42212167	0,746326249	---	
17202181	5,515648	5,15466	5,772025	4,51575	5,258632	5,402076	5,4807777	5,058819333	-0,42195833	0,746410749	---	
17207359	4,070496	3,073634	5,089107	3,590997	4,058822	3,317701	4,0777457	3,65584	-0,42190567	0,746437997	---	
17205613	6,057734	5,781638	5,363479	5,478745	5,212921	5,245683	5,7342837	5,312449667	-0,421834	0,746475078	---	
17481504	4,528108	4,037589	4,597654	3,823745	4,309242	3,766486	4,3877837	3,966491	-0,42129267	0,746755226	Olfr713	
17207121	5,808764	5,219679	5,912293	5,794824	4,901732	4,980453	5,646912	5,225669667	-0,42124233	0,746781279	---	
17210225	4,181911	4,820733	3,959568	3,714392	4,325218	3,658945	4,3207373	3,899518333	-0,421219	0,746793357	---	
17208509	5,58291	5,982626	6,133377	5,166059	5,515676	5,754062	5,8996377	5,478599	-0,42103867	0,74688671	---	
17255674	5,337487	5,183789	5,452174	5,072981	4,935425	4,702633	5,3244833	4,903679667	-0,42080367	0,74700838	Mir152	
17476881	6,117692	5,875707	6,018752	5,645377	5,566071	5,538645	6,0040503	5,583364333	-0,420686	0,747069309	Zfp939	
17207711	5,219285	4,798896	4,648025	4,843259	4,359073	4,201923	4,8887353	4,468085	-0,42065033	0,747087779	---	
17475695	5,539183	5,647608	5,775954	5,263027	5,363397	5,075603	5,6542483	5,234009	-0,42023933	0,747300642	Gm10046	
17209527	3,53787	3,866492	3,443736	3,277339	2,9677	3,344341	3,6160327	3,19646	-0,41957267	0,747646048	---	
17259526	4,752242	6,845763	6,310274	6,088162	3,853813	6,70766	5,9694263	5,549878333	-0,419548	0,747658831	---	
17535096	3,96455	3,982733	4,474581	3,787596	3,509258	3,8667	4,1406213	3,721184667	-0,41943667	0,74771653	---	
17337589	3,789682	3,823756	4,006809	3,571241	3,719542	3,071519	3,8734157	3,454100667	-0,419315	0,74777959	Olfr120	
17548744	10,24932	10,53417	10,45607	9,866718	9,959605	10,15546	10,413187	9,993927667	-0,419259	0,747808617	Hspa8 // Hspa8	
17549414	6,803336	7,161957	6,877807	6,144212	6,458122	6,983193	6,9477	6,528509	-0,419191	0,747843865	---	
17428866	8,372234	8,75774	8,393126	8,324279	7,553477	8,388111	8,5077	8,088622333	-0,41907767	0,747902615	---	
17420426	6,115651	5,727647	6,33348	5,866714	5,438648	5,614733	6,058926	5,640031667	-0,41889433	0,747997662	---	
17546633	4,02065	6,399254	5,035028	4,208386	5,742877	4,247001	5,151644	4,732754667	-0,41888933	0,748000255	LOC434960	
17201417	6,073452	6,323661	5,722292	5,429615	5,522816	5,910898	6,0398017	5,621109667	-0,418692	0,748102574	---	
17209155	5,746368	4,677307	4,731437	4,394413	4,727452	4,77738	5,051704	4,633081667	-0,41862233	0,7481387	---	
17257937	5,470078	5,536405	5,061002	5,025214	4,995453	4,791147	5,3558283	4,937271333	-0,418557	0,748172581	Kcnj2	
17200159	6,344146	6,417976	5,99511	5,480361	5,437698	6,583646	6,2524107	5,833901667	-0,418509	0,748197474	---	
17525740	5,107747	4,981825	5,308311	4,895125	4,613926	4,633519	5,1326277	4,71419	-0,41843767	0,748234469	Olfr958	
17205289	6,733111	7,195341	7,305326	6,570024	7,043412	6,365062	7,077926	6,659499333	-0,41842667	0,748240174	---	
17209479	6,733111	7,195341	7,305326	6,570024	7,043412	6,365062	7,077926	6,659499333	-0,41842667	0,748240174	---	
17205943	4,575873	5,33847	5,008477	4,610862	4,439449	4,617293	4,9742733	4,555868	-0,41840533	0,748251238	---	
17401226	4,740895	4,406818	4,285657	4,139714	4,184165	3,854842	4,47779	4,059573667	-0,41821633	0,748349269	---	
17308875	5,529931	5,473562	6,039173	5,346161	5,232478	5,209688	5,6808887	5,262775667	-0,418113	0,748402872	Zfp957	
17201227	6,827005	7,558865	6,856822	5,859511	7,089649	7,041115	7,0808973	6,663425	-0,41747233	0,748735294	---	
17200937	3,103977	4,418987	4,254349	3,591497	3,581489	3,352084	3,925771	3,508356667	-0,41741433	0,748765395	---	
17207505	4,449065	5,368167	5,043946	4,710325	4,075739	4,822958	4,953726	4,536340667	-0,41738533	0,748780447	---	
17549424	5,477465	5,418096	5,560586	5,249124	4,844145	5,113	5,4853823	5,068756333	-0,416626	0,749174656	---	
17491685	4,122223	4,071109	4,54036	3,871415	3,876979	3,736557	4,244564	3,828317	-0,416247	0,749371492	B230209E15Rik	
17403255	6,992363	7,858647	6,624342	6,703946	6,615205	6,908735	7,1584507	6,742628667	-0,415822	0,74959228	Gbp1	
17269291	5,441905	5,062507	5,770377	4,862398	5,097759	5,06815	5,4249297	5,009435667	-0,415494	0,749762721	Krt34	
17205895	5,678815	5,955143	6,026468	6,248312	5,187845	4,979691	5,8868087	5,471949333	-0,41485933	0,750092627	---	
17491438	3,676326	3,919682	3,641738	3,157348	3,431939	3,405624	3,7459153	3,331637	-0,41427833	0,750394764	---	
17548379	10,24897	10,53449	10,45063	9,866385	9,961814	10,16317	10,411363	9,997123	-0,41424033	0,75041453	Hspa8 // Hspa8	
17434724	3,553341	3,776493	3,843309	3,192266	3,625321	3,11375	3,724381	3,310445667	-0,41393533	0,750573191	4933402N22Rik	
17411948	5,068038	5,163039	4,963866	4,654041	4,602628	4,69649	5,064981	4,651053	-0,413928	0,750577007	Gm11837	
17329494	6,397616	6,712837	6,70155	6,582236	5,887263	6,101886	6,604001	6,190461667	-0,41353933	0,750779242	Il1rap	
17206171	5,096241	5,577567	4,998185	5,088487	4,991087	4,351957	5,2239977	4,810510333	-0,41348733	0,750806303	---	
17210723	4,352456	4,117068	4,300916	4,405734	3,333361	3,791308	4,2568133	3,843467667	-0,41334567	0,750880033	---	
17270091	9,515414	9,483859	9,912423	9,485538	8,948917	9,238855	9,637232	9,224436667	-0,41279533	0,751166519	---	
17342001	7,278696	7,010502	6,637934	6,52369	6,414083	6,751329	6,9757107	6,563034	-0,41267667	0,751228308	---	
17254059	4,288485	5,35275	4,511425	4,235211	4,561299	4,118343	4,7175533	4,304951	-0,41260233	0,751267015	Ccl12	
17333999	6,501351	7,238622	6,192741	6,342641	5,847587	6,505678	6,644238	6,231968667	-0,41226933	0,751440441	Zfp758	
17297372	6,577839	5,980534	6,519257	5,897236	5,970759	5,97314	6,35921	5,947045	-0,412165	0,751494786	---	
17336962	9,345084	9,216394	9,082207	9,313311	7,872552	9,22164	9,2145617	8,802501	-0,41206067	0,751549135	---	
17516420	3,291787	3,440545	3,739784	3,313027	2,924459	2,998672	3,4907053	3,078719333	-0,411986	0,751588032	Mir125b-1	
17200407	7,648483	7,246912	7,991847	7,690795	6,822064	7,138433	7,6290807	7,217097333	-0,41198333	0,751589422	---	
17468714	7,280925	7,661933	7,216463	6,983798	6,679787	7,259943	7,3864403	6,974509333	-0,411931	0,751616686	---	
17343703	8,441422	7,948465	7,62465	7,606861	8,131112	7,040985	8,0048457	7,592986	-0,41185967	0,75165385	H2-K2	
17353576	3,807574	4,629339	4,632945	3,81602	3,942098	4,076245	4,3566193	3,944787667	-0,41183167	0,751668438	---	
17202459	3,725525	3,922985	4,20321	3,687247	3,467282	3,4622	3,9505733	3,538909667	-0,41166367	0,751755974	---	
17398018	7,87571	6,712057	6,890524	7,693096	6,443368	6,106925	7,1594303	6,747796333	-0,411634	0,751771433	---	
17521068	4,892012	4,493087	4,177416	3,952621	3,660357	4,7148	4,5208383	4,109259333	-0,411579	0,751800094	---	
17308759	5,199988	4,666	5,111671	4,642712	4,60693	4,493739	4,992553	4,581127	-0,411426	0,751879827	4930444M15Rik	
17378313	7,880737	8,688326	6,570187	7,044632	6,580274	8,280099	7,7130833	7,301668333	-0,411415	0,75188556	---	
17210809	3,125964	4,501858	3,867982	3,718559	3,386723	3,156833	3,8319347	3,420705	-0,41122967	0,751982156	---	
17207393	4,749971	4,602544	4,278326	4,526659	4,277508	3,593333	4,5436137	4,1325	-0,41111367	0,752042622	---	
17420446	5,65461	5,379777	5,245811	4,720165	5,455454	4,871431	5,4267327	5,015683333	-0,41104933	0,752076158	---	
17399854	6,518243	6,377601	7,670324	6,431573	6,484742	6,416968	6,8553893	6,444427667	-0,41096167	0,75212186	Sprr2a1	
17208267	6,764866	6,070712	6,38037	6,608099	4,847833	6,527156	6,405316	5,994362667	-0,41095333	0,752126204	---	
17200871	4,191657	4,459336	4,532684	3,792101	3,599802	4,559171	4,394559	3,983691333	-0,41086767	0,752170867	---	
17466286	5,151974	5,305938	5,506091	4,909575	4,975312	4,846623	5,3213343	4,910503333	-0,410831	0,752189983	2210010C04Rik	
17449525	6,513415	7,05869	6,539538	6,412591	6,267233	6,200254	6,703881	6,293359333	-0,41052167	0,75235128	---	
17293238	8,961882	9,54565	9,361034	9,296687	8,427404	8,913014	9,289522	8,879035	-0,410487	0,752369359	---	
17336788	7,020627	7,235679	6,71564	6,603341	6,574686	6,563289	6,9906487	6,580438667	-0,41021	0,752513829	Slc44a4	
17290083	10,04095	8,952484	8,713736	8,847647	8,927692	8,704386	9,2357233	8,826575	-0,40914833	0,753067801	Emb	
17201391	5,854404	5,729237	5,244043	5,798883	4,318223	5,483372	5,609228	5,200159333	-0,40906867	0,753109387	---	
17462529	10,74166	10,36739	10,74497	10,25309	9,894721	10,47975	10,618007	10,209187	-0,40881967	0,753239381	Mug1	
17387740	3,763855	4,221947	3,750834	3,523608	3,403202	3,583501	3,912212	3,503437	-0,408775	0,753262702	Olfr1109	

17507915	4,887845	4,077024	3,727483	4,013818	3,787906	3,6652	4,230784	3,822308	-0,408476	0,753418832	---	
17373448	5,566957	4,988943	5,265772	4,793928	5,074162	4,72857	5,2738907	4,865553333	-0,40833733	0,753491252	Dgkz // Dgkz	
17372670	6,452506	6,592107	6,854013	6,039098	6,279234	6,356399	6,6328753	6,224910333	-0,407965	0,753685739	Prg3	
17269156	6,347953	6,264482	6,328335	6,090288	5,736436	5,890511	6,31359	5,905745	-0,407845	0,753748432	Gm11937	
17371956	5,139204	5,427876	5,473682	5,122691	4,753406	4,941787	5,3469207	4,939294667	-0,407626	0,753862859	8430437L04Rik	
17525718	5,516911	4,649819	4,46278	4,875786	4,518057	4,01345	4,8765033	4,469097667	-0,40740567	0,753978	Olfr1537-ps1	
17274735	8,093132	7,751637	7,927437	7,612187	7,417883	7,521631	7,9240687	7,517233667	-0,406835	0,754276299	Tmem18	
17336963	8,391695	9,356133	8,046333	7,923952	8,046333	8,603707	8,5980537	8,191330667	-0,406723	0,754334858	---	
17473724	3,692044	3,591945	3,907741	3,372462	3,553077	3,046779	3,7305767	3,324106	-0,40647067	0,754466806	Vmn1r73	
17548900	4,042761	3,970387	3,736218	3,574327	3,442238	3,513406	3,9164553	3,509990333	-0,406465	0,754469769	---	
17481350	5,362337	5,170803	5,108745	5,041254	4,310955	5,070989	5,2139617	4,807732667	-0,406229	0,754593198	Olfr679	
17551123	7,066216	7,351449	6,783387	6,507779	6,735344	6,739512	7,0670173	6,660878333	-0,406139	0,754640273	---	
17221549	5,400074	5,1553	5,283571	4,908794	4,898586	4,815728	5,2796483	4,874369333	-0,405279	0,755090253	---	
17205941	6,422296	5,918293	5,980031	6,039415	5,161215	5,904181	6,1068733	5,701603667	-0,40526967	0,755095138	---	
17202699	4,232263	3,986003	4,081157	3,598995	4,072484	3,412603	4,0998077	3,694694	-0,405113367	0,755176792	---	
17545883	6,077851	6,188234	6,140753	5,830842	5,518657	5,842085	6,1356127	5,730528	-0,40508467	0,755191972	---	
17284564	3,973873	3,155006	2,981466	2,997115	2,966793	2,932262	3,370115	2,96539	-0,404725	0,755380266	Ighv1-47 // Ighv1-47	
17449363	4,99041	4,621456	4,809937	4,443655	4,320177	4,444296	4,8072677	4,402709333	-0,40455833	0,755467536	Ugt2a3	
17205927	3,543908	3,95978	4,826269	4,035938	3,399437	3,681058	4,1099857	3,705477667	-0,404508	0,755493894	---	
17201703	5,174123	4,668264	5,398152	5,158588	4,216627	4,651828	5,0801797	4,675681	-0,40449867	0,755498781	---	
17201879	5,174123	4,668264	5,398152	5,158588	4,216627	4,651828	5,0801797	4,675681	-0,40449867	0,755498781	---	
17206587	3,766573	3,267259	4,139114	3,282794	3,110098	3,566753	3,7243153	3,319881667	-0,40443367	0,755532821	---	
17201377	4,40634	3,714786	3,066231	3,419292	3,43491	3,120456	3,729119	3,324886	-0,404233	0,755637916	---	
17352680	8,479218	8,532413	8,302781	8,127167	7,917587	8,057153	8,4381373	8,033969	-0,40416833	0,755671787	Abhd3	
17523949	3,654955	3,362523	3,781173	3,643127	2,863423	3,079884	3,5995503	3,195478	-0,40407233	0,755722073	---	
17204749	4,892258	4,237226	5,738039	4,757616	4,595473	4,302553	4,955841	4,551880667	-0,40396033	0,755780744	---	
17215762	7,118263	7,650753	7,324693	7,187887	6,604482	7,089653	7,3645697	6,960674	-0,40389567	0,755814621	Fam132b	
17435567	5,38622	5,444263	5,370379	4,777819	4,997623	5,213969	5,4002873	4,996470333	-0,403817	0,755855835	Paxip1 // Paxip1	
17206221	4,385117	3,526668	3,893266	3,552251	3,693331	3,349422	3,935017	3,531668	-0,403349	0,756101069	---	
17308963	6,707467	6,01233	5,443957	5,602677	5,611916	5,739133	6,0545847	5,651242	-0,40334267	0,756104389	---	
17548759	7,522425	7,674934	7,609235	7,084955	7,222196	7,290743	7,602198	7,199298	-0,4029	0,756336422	Rpl4 // Rpl4	
17204703	5,006005	5,244867	5,355194	4,705358	4,546723	5,145474	5,202022	4,799185	-0,402837	0,756369451	---	
17206659	5,665616	5,803881	6,015742	5,439985	5,363085	5,473817	5,828413	5,425629	-0,402784	0,756397238	---	
17366343	4,068161	4,95141	3,724731	4,035617	3,696776	3,804117	4,2481007	3,845503333	-0,40259733	0,756495112	---	
17237978	7,229415	7,383538	7,282815	6,999884	6,814693	6,873598	7,2985893	6,896058333	-0,402531	0,756529896	Ddit3	
17282932	3,214991	3,674552	3,705542	3,009408	3,152039	3,226363	3,531695	3,12927	-0,402425	0,756585483	---	
17549312	6,084135	6,018361	6,243685	5,747404	5,828091	5,563925	6,1153937	5,71314	-0,40225367	0,75667534	---	
17210815	6,034388	4,719195	4,329648	4,746055	4,437939	4,693648	5,0277437	4,625880667	-0,401863	0,756880267	---	
17509962	4,332314	4,441278	4,57387	4,092182	3,927021	4,123474	4,449154	4,047559	-0,401595	0,757020881	---	
17306950	7,188426	7,463607	7,227792	6,61004	6,767524	7,298203	7,293275	6,891922333	-0,40135267	0,757148051	Gm5801 // Gm5801 // Gm5801 // Gm58	
17205915	4,09678	4,080331	3,746378	3,553702	3,431102	3,735434	3,9744963	3,573412667	-0,40108367	0,757289239	---	
17300233	4,444288	4,659982	4,127262	3,796385	3,664651	4,568124	4,4105107	4,00972	-0,40079067	0,757443054	---	
17319401	8,590775	8,987823	8,744624	8,398046	8,318651	8,404232	8,7744073	8,373643	-0,40076433	0,75745688	Snord83b	
17450461	5,611507	6,873073	4,541961	5,361083	5,115829	5,347783	5,6755137	5,274898333	-0,40061533	0,757535113	Gbp4	
17516352	6,808947	6,999245	6,763307	6,803473	6,260549	6,30608	6,8571663	6,456700667	-0,40046567	0,757613705	9030425E11Rik	
17527409	4,963843	4,054834	4,670093	4,190939	4,313481	3,983515	4,5629233	4,162645	-0,40027833	0,757712087	---	
17250734	9,332743	9,686887	9,635272	9,287508	9,091435	9,075228	9,551634	9,151390333	-0,40024367	0,757730294	2410006H16Rik	
17299152	4,151566	3,769045	4,694002	3,596976	3,75076	4,067469	4,204871	3,805068333	-0,39980267	0,757961951	LOC666692	
17209047	5,584374	5,439576	6,634951	5,253465	5,693934	5,513305	5,8863003	5,486901333	-0,399399	0,758174059	---	
17459784	4,24637	4,008759	4,363801	3,75937	3,762868	3,898881	4,20631	3,807039667	-0,39927033	0,758241679	Gm20594	
17305943	4,379348	4,003196	3,79735	3,808729	3,660474	3,514229	4,0599647	3,661144	-0,39882067	0,758478049	Olfr730	
17204705	4,165162	4,766432	6,131797	4,419281	5,034168	4,414021	5,0211303	4,62249	-0,39864033	0,758572863	---	
17204069	4,63137	5,51266	5,322178	4,297566	5,282699	4,692283	5,1554027	4,757516	-0,39788667	0,758969246	---	
17293635	4,760004	5,208333	5,28854	4,68784	4,706781	4,668759	5,0856257	4,687793333	-0,39783233	0,75899783	Hsd17b3	
17200863	5,07585	4,014746	3,917544	4,053606	3,822425	3,938795	4,3360467	3,938275333	-0,39777133	0,759029923	---	
17208779	5,75941	5,638818	5,749212	6,25788	4,561089	5,135543	5,7158133	5,318170667	-0,39764267	0,75909762	---	
17478801	4,498712	4,184757	4,567052	3,835996	4,163508	4,059504	4,4168403	4,019669333	-0,397171	0,759345836	Otud7a	
17248081	9,78889	9,870655	9,675996	9,681863	8,899926	9,562443	9,7785137	9,381410667	-0,397103	0,759381628	---	
17209667	5,628625	4,825585	4,827862	4,414331	4,425886	5,251153	5,094024	4,697123333	-0,39690067	0,759488136	---	
17376970	5,326545	4,783741	4,862825	4,591751	4,57671	4,614161	4,991037	4,594207333	-0,39682967	0,759525514	---	
17491695	6,678819	6,590829	6,749465	6,331448	6,155899	6,341322	6,6730377	6,276223	-0,39681467	0,759533411	---	
17546407	3,906352	5,472795	5,034702	4,014399	5,154482	4,054594	4,8046163	4,407825	-0,39679133	0,759545695	LOC100041550 // LOC100041550 // LOC	
17546431	3,906352	5,472795	5,034702	4,014399	5,154482	4,054594	4,8046163	4,407825	-0,39679133	0,759545695	LOC100041550 // LOC100041550 // LOC	
17347983	4,743808	5,875287	4,961456	4,532404	4,474023	5,38382	5,193517	4,796749	-0,396768	0,75955798	---	
17276255	10,63487	10,4679	10,23631	9,823324	10,20195	10,12366	10,44636	10,04964467	-0,39671533	0,759585708	---	
17204211	4,667337	4,318276	4,580435	4,580471	4,223825	3,571774	4,522016	4,125356667	-0,39665933	0,759615193	---	
17277766	5,500844	5,014632	5,392197	4,659168	4,982339	5,077845	5,3025577	4,906450667	-0,396107	0,759906066	Tshr	
17217193	5,438877	5,139874	5,564666	4,99339	4,842391	5,120178	5,381139	4,985319667	-0,39581933	0,760057603	Tmcc2	
17325361	5,36602	5,486224	5,443154	5,00737	5,078336	5,022612	5,4317993	5,036106	-0,39569333	0,760123987	BC100530	
17200803	4,214637	3,376265	3,457587	3,677287	2,869877	3,314402	3,6828297	3,287188667	-0,395641	0,760151561	---	
17207173	4,1485	4,939023	4,395535	4,616079	3,769179	3,911541	4,4943527	4,098933	-0,39541967	0,760268189	---	
17333380	5,831878	5,502862	5,924267	5,440104	5,24644	5,386506	5,7530023	5,357683333	-0,395319	0,76032124	Smok2b	
17210149	5,289365	4,484402	3,72029	3,914456	3,814368	4,579466	4,498019	4,102763333	-0,39525567	0,760354619	---	
17205675	3,270892	3,404864	3,143532	2,475628	2,948698	3,209432	3,273096	2,877919333	-0,39517667	0,760396256	---	
17366892	5,179806	4,251952	5,12155	4,552374	4,445863	4,369741	4,8511027	4,455992667	-0,39511	0,760431394	---	
17546707	3,440967	4,838683	4,061091	3,440967	4,271845	3,443157	4,1135803	3,718656333	-0,394924	0,76052944	Sly // Sly	
17547146	3,440967	4,838683	4,061091	3,440967	4,271845	3,443157	4,1135803	3,718656333	-0,394924	0,76052944	Sly	
17204757	5,831707	7,014739	7,239306	6,70168	5,83392	6,365725	6,6952507	6,300441667	-0,394809	0,760590065	---	
17516316	4,327132	4,027996	4,474353	3,916173	4,064435	3,664993	4,2764937	3,881867	-0,39462667	0,760686198	Olfr986	
17202477	3,175447	3,446959	3,418926	2,582663	3,122673	3,152351	3,3471107	2,952562333	-0,39454833	0,760727501	---	
17207167	5,023674	4,732786	4,523785	4,459789	3,634391	5,002699	4,7600817	4,365626333	-0,39445533	0,760776542	---	
17420432	6,385838	6,907103	6,684996	6,539381	5,528283	6,727015	6,6593123	6,264893	-0,39441933	0,760795526	---	
17468876	4,25016	3,615051	3,724644	3,768046	3,438441	3,200583	3,863285	3,469023333	-0,39426167	0,760878675	Vmn1r42	
17547086	3,557483	5,723179	5,04776	3,787285	5,829587	3,528891	4,7761407	4,381921	-0,39421967	0,760900826	LOC100041346	
17547130	3,557483	5,723179	5,04776	3,787285	5,829587	3,528891	4,7761407	4,381921	-0,39421967	0,760900826	LOC100041346	
17546625	3,557483	5,723179	5,04776	3,787285	5,829587	3,528891	4,7761407	4,381921	-0,39421967	0,760900826	---	
17546639	3,557483	5,723179	5,04776	3,787285	5,829587	3,528891	4,7761407	4,381921	-0,39421967	0,760900826	---	
17203123	5,504384	5,561542	4,44733	4,598018	4,971061	4,761711	5,1710853	4,77693	-0,39415533	0,760934757	---	
17548030	7,077724	7,254369	6,458408	6,369832	6,842453	6,395921	6,930167	6,536068667	-0,39409833	0,760964822	LOC100862184	
17203853	4,434103	4,042366	4,994963	4,095324	4,088766	4,105423	4,4904773	4,096504333	-0,393973	0,761030933	---	
17232499	4,006277	4,106252	4,366408	3,99994	3,538147	3,75958	4,1596457	3,765889	-0,39375667	0,761145059	Rsph4a	
17456918	6,459631	6,233281	6,922828	6,101477	6,086623	6,246475	6,53858	6,144858333	-0,39372167	0,761163524	Cpa1	
17453130	7,984844	8,390463	7,941665	7,523666	7,828803	7,783417	8,1056573	7,711962	-0,39369533	0,761177418	---	
17230174	7,726485	7,630951	7,702256	7,351831	7,181944	7,345853	7,686564	7,293209333	-0,39335467	0,761357178	Chml	
17384657	4,340789	3,987342	4,624777	4,162758	3,838331	3,7722	4,317636	3,924429667	-0,39320633	0,761435462	Mir5128	
17486692	3,802987	3,312165	3,555102	3,117014	2,991679	3,382679	3,5567513	3,163790667	-0,39296067	0,761565133	Sult2a6	
17203703	6,456128	5,470291	5,692607	5,323379	5,551481	5,566437	5,8730087	5,480432333	-0,39257633	0,76176804	---	
17428457	11,69042	11,57189	11,59984	11,67121	10,77116	11,24238	11,620717	11,22825	-0,39246667	0,761825948	Cyp4a14	
17397426	7,19004	7,544007	7,337329	6,949507	7,039436	6,905147	7,3571253	6,964696667	-0,39242867	0,761846015	Ccrn4l	
17370596	4,259461	3,726896	4,143317	3,516662	3,8256	3,610357	4,0432247	3,650873	-0,39235167	0,761886678	Gm19922 // Gm19922	
17358821	7,034998	6,886487	7,24204	6,750363	6,683435	6,554132	7,0545083	6,662643333	-0,391865	0,762143729	Ifit3	
17235462	8,098643	8,162057	8,36749	7,99202	7,774053	7,68655	8,2093967	7,817541	-0,39185567	0,76214866	Oaz1	
17362595	11,38725	11,60612	11,41272	11,29849	10,70046	11,23163	11,468697	11,07686	-0,39183667	0,762158697	Fads2	
17284965	7,019335	6,745108	6,976447	6,662884	6,401314	6,502817	6,91363	6,522338333	-0,39129167	0,762446669	Akr1c6	
17421469	4,218944	4,681395	3,908798	3,599199	4,1161	3,920621	4,2697123	3,87864	-0,39107233	0,762562593	Rex2 // Rex2	
17372007	5,259122	5,575141	5,243701	4,833023	5,223701	4,848477	5,3593213	4,968400333	-0,390921	0,762642587	---	
17206201	7,457184	6,499287	7,388299	6,760668	6,712122	6,700165	7,1149233	6,724318333	-0,390605	0,76280965	---	
17225320	8,398191	8,546847	8,49461	8,177146	7,916358	8,174354	8,4798827	8,089286	-0,39059667	0,762814056	Ugt1a1 // Ugt1a1	
17365801	4,380173	3,516226	3,507334	3,650538	3,42671	3,155014	3,8012443	3,410754	-0,39049033	0,762870281	---	
17487112	3,879847	4,203475	3,889484	3,470927	3,29884	4,032043	3,9909353	3,600603333	-0,390332	0,76295401	Psg17	
17346599	9,809469	10,22069	10,13121	9,748886	9,29879	9,943751	10,05379	9,663809	-0,38998067	0,763139831	---	
17465339	4,303943	4,642385	3,916862	3,856585	3,855036	3,981716	4,28773	3,897779	-0,3899551	0,763155524	---	
17389079	4,937428	5,28855	5,062333	4,816872	4,78293	4,518773	5,0961037	4,706191667	-0,3899112	0,763176154	LOC433461	
17206753	4,84383	4,585525	4,518053	4,01303	4,561357	4,20358	4,649136	4,259322333	-0,38981367	0,763228174	---	
17353200	4,826598	4,744834	5,133202	4,345424	4,527263	4,664011	4,9015447	4,512232667	-0,3893112	0,763493617	---	
17455498	5,559514	6,024391	5,807365	5,125578	5,493598	5,604175	5,79709	5,407783667	-0,38930633	0,763496615	Alox5ap // Alox5ap	
17202431	3,836395	4,243217	3,918973	3,56323	3,464666	3,80348	3,9995283	3,610458667	-0,38906967	0,763621873	---	
17417115	4,645407	4,279498	4,152018	4,000817	4,180029	3,729247	4,3589743	3,970031	-0,38894333	0,763688745	---	
17547436	4,477164	6,619089	6,637815	4,472336	6,768877	5,326406	5,911356	5,522539667	-0,38881633	0,763755975	LOC100861873 // LOC100861871 // LOC	
17200577	3,218598	3,442718	3,474532	3,043303	3,051303	2,875147	3,378616	2,989917667	-0,38869833	0,763818446	---	
17309965	7,93469	7,351352	6,888767	6,650858	7,155328	7,202737	7,391603	7,002974333	-0,38862867	0,763855331	C9	
17201257	4,256217	3,819144	4,219087	3,633269	4,070184	3,426024	4,0981493	3,709825667	-0,38832367	0,764016835	---	
17546444	3,891019	6,482652	5,495113	4,011369	6,10686	4,585977	5,2895947	4,901402	-0,38819267	0,764086213	Ssty1	
17357508	7,213812	7,222908	7,617558	6,909439	6,505619	7,474767	7,351426	6,963275	-0,388151	0,764108281	---	
17205477	5,233119	5,959924	6,317805	5,510429	6,242148	4,594089	5,8369493	5,448888667	-0,38806067	0,764156126	---	
17203015	6,679401	6,805619	6,928022	6,57148	6,56385	6,114135	6,8043473	6,416488333	-0,387859	0,764262951	---	
17203277	6,704275	6,835326	6,422983	6,780007	5,799495	6,21994	6,6541947	6,266480667	-0,387714	0,764339768	---	
17547903	5,559778	5,540491	5,763969	5,20187	5,244854	5,255874	5,6214127	5,234199333	-0,38721333	0,764605067	Gm9948	
17202671	3,483149	4,032043	4,369395	4,097801	3,552479	3,074184	3,961529	3,574821333	-0,38670767	0,764873109	---	
17469026	4,468838	3,92189	3,951359	3,804984	3,571353	3,807097	4,114029	3,727811333	-0,38621767	0,765132937	4930471M09Rik	
17206265	4,99297	4,015425	4,974637	4,048052	4,122209	4,65415	4,6610107	4,274803667	-0,386207	0,765138594	---	
17432514	4,483914	4,147714	4,062618	3,668821	3,907136	3,960147	4,2314153	3,845368	-0,38604733	0,765223278	Oog3	
17202303	4,288147	3,519545	3,344213	3,495867	3,270802	3,227684	3,7173017	3,331451	-0,38585067	0,7653276	---	
17449641	8,001499	7,860604	8,450788	8,024405	7,145616	7,988953	8,104297	7,719658	-0,384639	0,76597064	---	

17206013	3,931648	4,477245	4,315312	4,030528	3,858963	3,681035	4,2414017	3,856842	-0,38455967	0,766012762	---	
17330506	8,616213	8,673642	8,710105	8,445766	8,390285	8,010417	8,6666533	8,282156	-0,38449733	0,766045859	Gramd1c	
17210407	3,429523	3,491195	3,833342	3,631212	3,129829	2,839628	3,5846867	3,200223	-0,38446367	0,766063736	---	
17201483	5,297316	4,940073	5,372565	4,546641	5,186712	4,723269	5,203318	4,818874	-0,384444	0,766074179	---	
17260806	4,818751	5,127446	4,284576	3,911102	4,631614	4,535344	4,743591	4,359353333	-0,38423767	0,76618375	---	
17430449	6,879055	7,322126	7,206722	6,778445	6,67998	6,796779	7,1359677	6,751734667	-0,384233	0,766186229	Tmem234 // Tmem234	
17328935	6,742402	6,23351	6,72425	6,287672	6,27268	5,987185	6,5667207	6,182512333	-0,38420833	0,766199329	---	
17400118	3,311243	3,878045	3,67844	3,15293	3,234612	3,327665	3,622576	3,238402333	-0,38417367	0,76621774	---	
17355133	3,369592	3,356263	3,565217	2,821989	3,036719	3,279992	3,4303573	3,046233333	-0,384124	0,766244118	---	
17422697	8,325319	8,528312	8,198048	7,746608	8,033248	8,120132	8,3505597	7,966662667	-0,383897	0,766364692	Mrpl20	
17200603	5,599746	4,858324	6,53841	4,684267	6,00022	5,16035	5,6654933	5,281612333	-0,383881	0,766373191	---	
17289553	6,759912	6,660176	6,737375	6,271495	6,317163	6,418357	6,7191543	6,335671667	-0,38348267	0,766584819	Sgtb	
17201677	3,072852	3,95015	2,890512	3,081503	3,037135	2,644673	3,3045047	2,921103667	-0,383401	0,766628214	---	
17244424	5,148435	5,63642	5,426189	5,086384	4,968513	5,006114	5,4036813	5,020337	-0,38334433	0,766658327	---	
17270115	4,103771	3,651848	5,896438	3,576596	4,165556	4,760218	4,5506857	4,167456667	-0,383229	0,766719618	---	
17335540	9,399504	9,795181	9,510769	9,3531	9,121145	9,081869	9,5684847	9,185371333	-0,38311333	0,766781092	Pim1	
17206875	6,665425	7,111128	6,154262	5,666499	6,798255	6,317327	6,643605	6,260693667	-0,38291133	0,766888461	---	
17233062	6,396714	5,490939	5,509452	4,438131	6,045779	5,765459	5,799035	5,416456333	-0,38257867	0,767065315	---	
17210577	4,937976	4,847507	4,971668	4,166162	4,866367	4,577005	4,9190503	4,536511333	-0,382539	0,767086406	---	
17421215	5,01283	5,137193	5,492933	4,813506	4,603647	5,078204	5,2143187	4,831785667	-0,382533	0,767089596	BC080695	
17494282	4,769343	4,548421	5,163678	4,475389	4,400557	4,458838	4,8271473	4,444928	-0,38221933	0,767256393	Olfr644	
17277265	7,9328	7,922496	7,855995	7,410334	7,514508	7,639833	7,9037637	7,521558333	-0,38220533	0,767263838	Rnf113a2	
17275062	4,752987	4,841359	4,547709	4,523136	3,955553	4,51695	4,7140183	4,331879667	-0,38213867	0,767299294	Meox2	
17514920	3,257033	3,684851	3,54428	3,169649	3,20831	2,963574	3,495388	3,113844333	-0,38154367	0,767615811	Olfr837	
17249724	4,443672	4,642348	3,764618	4,133579	3,724938	3,847593	4,283546	3,902036667	-0,38150933	0,767634079	---	
17208463	5,676244	5,830812	5,79219	5,310875	5,439332	5,404816	5,7664153	5,385007667	-0,38140767	0,767688176	---	
17342015	8,6487	8,420949	8,79662	8,680925	7,885331	8,155999	8,6220897	8,240751667	-0,381338	0,767725248	---	
17205261	4,659667	4,210738	4,930833	4,039721	3,453524	5,164009	4,6004127	4,219084667	-0,381328	0,76773057	---	
17209451	4,659667	4,210738	4,930833	4,039721	3,453524	5,164009	4,6004127	4,219084667	-0,381328	0,76773057	---	
17354363	3,459375	4,020081	4,06882	3,658111	3,513653	3,23353	3,8494253	3,468431333	-0,380994	0,767908328	---	
17429512	4,165111	4,545468	4,303874	4,223651	3,694524	3,953572	4,338151	3,957249	-0,380902	0,767957299	Mir30c-1	
17210485	4,075572	4,268749	4,277687	3,753593	3,556949	4,169845	4,207336	3,826795667	-0,38054033	0,768149841	---	
17333812	3,85052	3,513008	3,626945	3,377388	3,256954	3,214656	3,663491	3,282999333	-0,38049167	0,768175754	Vmn2r101	
17299158	3,65341	3,605938	3,728294	3,322028	3,43237	3,092453	3,6625473	3,282283667	-0,38026367	0,768297164	LOC100044625 // LOC100044610	
17206017	5,051434	4,417684	5,164009	3,867327	5,279042	4,346232	4,877709	4,497533667	-0,38017533	0,768344207	---	
17208237	4,827738	4,729505	4,864999	4,213199	4,060104	5,008532	4,807414	4,427278333	-0,38013567	0,768365333	---	
17372797	6,523758	5,279288	5,044714	5,003704	5,400931	5,303476	5,61592	5,236037	-0,379883	0,768499912	Olfr1034	
17548761	6,178723	5,997268	6,199682	5,725385	5,880493	5,63128	6,1252243	5,745719333	-0,379505	0,768701293	Gm10144	
17406440	6,329859	6,168582	6,350231	6,048649	5,832625	5,828986	6,2828907	5,90342	-0,37947067	0,768719587	Rps3a	
17464487	5,763691	6,153502	5,841121	5,58204	5,541202	5,496869	5,919438	5,540037	-0,379401	0,768756708	Dennd5b // Dennd5b	
17352018	5,67316	5,534842	5,544352	5,230535	5,242102	5,141753	5,584118	5,204796667	-0,37932133	0,768799161	4930465K10Rik	
17202291	3,820037	3,817407	4,317976	3,930531	3,06242	3,824993	3,98514	3,605981333	-0,37915867	0,768885849	---	
17203143	4,276561	4,950306	4,679211	4,403275	4,55775	3,807826	4,6353593	4,256283667	-0,37907567	0,768930086	---	
17248079	5,97338	3,585645	3,810155	4,890744	3,726886	3,6145	4,4563933	4,077376667	-0,37901667	0,768961532	---	
17211258	7,369006	7,53815	7,274198	6,869153	7,092543	7,082766	7,3937847	7,014820667	-0,378964	0,768989604	Rdh10	
17290682	12,2482	12,33834	12,35312	11,87263	11,95632	11,9744	12,31322	11,93445	-0,37877	0,769093018	Ywhaq // Ywhaq	
17202683	3,935678	5,104537	3,62353	3,799253	3,86992	3,858478	4,2212483	3,842550333	-0,378698	0,769131401	---	
17268299	4,674551	4,425387	4,839795	4,390224	4,052835	4,361936	4,6465777	4,268331667	-0,378246	0,76937241	---	
17546423	3,854947	6,446579	5,463488	3,979744	6,085836	4,564953	5,2550047	4,876844333	-0,37816033	0,769418096	Ssty1	
17204305	3,465108	3,453779	4,062301	3,060736	3,625518	3,160829	3,660396	3,282361	-0,378035	0,769484942	---	
17205559	3,312647	4,296252	4,027781	3,443799	3,551991	3,506842	3,8788933	3,500877333	-0,378016	0,769495076	---	
17373220	3,541427	3,980225	3,867249	3,354701	3,746644	3,153557	3,7963003	3,418300667	-0,37799967	0,769503788	---	
17315386	7,342033	7,283498	7,218229	6,532846	7,087121	7,090623	7,2812533	6,90353	-0,37772333	0,769651192	---	
17205119	4,807346	5,533933	5,115168	4,39714	5,229653	4,696696	5,152149	4,774496333	-0,37765267	0,769688893	---	
17209309	4,807346	5,533933	5,115168	4,39714	5,229653	4,696696	5,152149	4,774496333	-0,37765267	0,769688893	---	
17251583	5,295616	5,334327	5,857653	4,982644	5,239865	5,133231	5,4958653	5,11858	-0,37728533	0,769884893	Alox12b	
17240075	5,213504	4,720647	5,214151	4,937939	4,614653	4,464656	5,049434	4,672416	-0,377018	0,770027567	---	
17321661	3,454604	3,248474	3,442846	2,974957	3,188072	2,852102	3,3819747	3,005043667	-0,376931	0,770074004	---	
17204839	3,716811	4,918239	4,500135	4,917632	3,821489	3,265327	4,378395	4,001482667	-0,37691233	0,770083968	---	
17384334	6,326448	6,162993	6,309432	5,848151	5,817032	6,003013	6,266291	5,889398667	-0,37689233	0,770094643	Phf19	
17204659	7,024608	6,710213	6,732101	6,945833	6,384583	6,00655	6,8223073	6,445655333	-0,376652	0,770222941	---	
17306968	5,735995	6,077358	5,807462	5,765679	5,345311	5,379891	5,873605	5,496960333	-0,37664467	0,770226856	Mcpt8	
17365001	9,5742	10,56945	10,30792	10,73357	9,287093	9,301589	10,150523	9,774084	-0,37643933	0,770336488	Cyp2c44	
17290238	4,63191	4,471602	5,313972	4,34779	4,456819	4,484505	4,805828	4,429704667	-0,37612333	0,770505236	Calml3	
17520073	9,022286	9,059345	8,986412	8,708947	8,575415	8,655432	9,022681	8,646598	-0,376083	0,770526778	Nt5e	
17549290	8,233416	9,001641	7,677776	7,714469	8,099299	7,97255	8,3042777	7,928772667	-0,375505	0,770835543	---	
17262046	6,588723	7,681977	7,312451	6,707363	6,866518	6,88308	7,1943837	6,818987	-0,37539667	0,770893428	Sft2d1	
17310922	7,326746	6,565769	7,352294	7,228892	6,427108	6,463118	7,081603	6,706372667	-0,37523033	0,770982312	Matn2	
17334184	4,501699	4,230834	5,024604	4,556311	4,064624	4,010527	4,5857123	4,210487333	-0,375225	0,770985162	Sbp	
17291337	4,487421	4,878376	5,117963	4,52519	4,271616	4,561564	4,82792	4,45279	-0,37513	0,771035932	Gm11346	
17508848	5,822762	3,904742	5,405972	4,917099	4,689661	4,402035	5,044492	4,669598333	-0,37489367	0,771162249	---	
17475863	7,155039	6,706277	6,982417	6,64897	6,357442	6,712949	6,947911	6,573120333	-0,37479067	0,771217307	Il28b	
17280327	10,36914	10,69187	10,09683	10,31791	9,887144	9,828852	10,385947	10,011302	-0,37464467	0,771295358	Rsad2	
17208033	5,224799	4,735501	4,922086	4,290068	4,862271	4,606698	4,9607953	4,586345667	-0,37444967	0,771399616	---	
17405671	3,40878	3,896341	4,346232	3,240409	3,553077	3,734863	3,8837843	3,509449667	-0,37433467	0,771461108	---	
17402539	3,330931	3,559396	3,874005	3,387735	3,121347	3,132551	3,5881107	3,213877667	-0,374233	0,771515475	---	
17478296	6,974168	6,718091	6,688134	6,230904	6,506433	6,520397	6,7934643	6,419244667	-0,37421967	0,771522606	Gm2788	
17525548	9,336246	9,557013	9,078247	9,289443	8,777735	8,781902	9,3238353	8,949693333	-0,374142	0,771564141	Ei24	
17525704	6,770283	6,060318	6,040854	5,871064	6,0223	5,856322	6,290485	5,916562	-0,373923	0,771681273	Olfr935	
17273564	4,890183	4,852485	4,67826	4,366977	4,165937	4,766363	4,806976	4,433092333	-0,37388367	0,771702312	---	
17238528	4,702881	4,567886	4,844082	4,707238	3,897973	4,388501	4,7049497	4,331237333	-0,37371233	0,771793964	Gm9182	
17348463	7,653877	7,580297	7,644299	6,79779	7,289015	7,670544	7,6261577	7,252449667	-0,373708	0,771796282	---	
17494684	6,21139	5,922232	5,619109	5,710929	5,32302	5,598233	5,917577	5,544060667	-0,37351633	0,771898825	Olfr693	
17344892	5,1829	4,77288	4,766777	4,576873	4,686154	4,3401	4,907519	4,534375667	-0,37314333	0,77209842	Olfr113	
17207409	5,250596	4,407692	5,491858	4,69694	4,272648	5,061249	5,0500487	4,676945667	-0,373103	0,772120006	---	
17408315	4,547431	4,6709	4,688447	4,640563	4,034222	4,112703	4,6355927	4,262496	-0,37309667	0,772123396	Hsd3b5	
17260907	4,850802	4,043924	4,361037	3,95355	4,120759	4,062242	4,4185877	4,045517	-0,37307067	0,772137311	---	
17210685	4,54313	4,486583	4,842868	4,382246	3,988475	4,382775	4,6241937	4,251165333	-0,37302833	0,772159968	---	
17207541	7,495173	7,670137	7,434273	7,137202	6,942092	7,401345	7,5331943	7,160213	-0,37298133	0,772185124	---	
17207233	4,792904	5,609533	5,438958	5,205704	4,125566	5,391579	5,280465	4,907616333	-0,37284867	0,772256136	---	
17547577	6,343518	6,13272	6,416853	5,863519	5,581799	6,329693	6,297697	5,925003667	-0,37269333	0,772339288	Derl2 // Derl2	
17200781	4,784091	4,46507	4,948044	4,469663	4,263869	4,346232	4,7324017	4,359921333	-0,37248033	0,772453325	---	
17309358	6,73218	6,442612	6,789854	6,553059	6,157526	6,136631	6,654882	6,282405333	-0,37247667	0,772455288	---	
17207531	5,449999	5,632378	5,800608	5,302679	5,237227	5,226254	5,6276617	5,255386667	-0,372275	0,772563273	---	
17203701	5,153553	5,433761	5,614034	4,942014	5,222518	4,920445	5,4004493	5,028325667	-0,37212367	0,772644316	---	
17546212	5,203382	5,868627	4,982008	4,870946	5,056559	5,010727	5,351339	4,979410667	-0,37192833	0,772748935	G530011O06Rik	
17302360	4,211967	4,983282	4,419598	4,334487	3,932012	4,232748	4,5382823	4,166415667	-0,37186667	0,772781967	---	
17547525	6,71525	6,766537	6,454976	6,222303	6,356167	6,242781	6,6455877	6,273750333	-0,37183733	0,772797679	Rap1b // Rap1b	
17205539	3,786085	3,123178	3,651848	3,270892	3,367237	2,808289	3,5203703	3,148806	-0,37156433	0,772943929	---	
17484553	6,359356	6,106317	6,346097	6,120526	5,960141	5,616545	6,27059	5,899070667	-0,37151933	0,772968039	Olfr527	
17204233	5,107424	5,654146	5,18388	5,378603	4,951525	4,501118	5,31515	4,943748667	-0,37140133	0,773031263	---	
17491893	5,940657	5,609251	5,914771	5,495205	5,291585	5,563754	5,8215597	5,450181333	-0,37137833	0,773043587	Chsy1 // Chsy1	
17396492	7,515958	7,795819	7,572068	7,307759	7,173241	7,289303	7,6279483	7,256767667	-0,37118067	0,773149511	Eif5a2	
17207915	4,283379	3,730051	3,765442	3,446767	3,029151	4,190548	3,9262907	3,555488667	-0,370802	0,773352467	---	
17301932	6,91322	6,470378	6,578777	6,330098	6,110667	6,409547	6,654125	6,283437333	-0,37068767	0,773413758	Esd	
17353337	8,821458	8,91245	8,845063	8,471494	8,449453	8,546064	8,859657	8,489003667	-0,37065333	0,773432164	Gypc	
17525700	4,693534	4,215453	4,184228	3,944119	4,037711	3,999821	4,364405	3,993883667	-0,37052133	0,773502933	Olfr919	
17300201	4,501525	3,296967	3,51964	3,236028	3,5294	3,441872	3,7727107	3,402433333	-0,37027733	0,773633765	---	
17206371	6,086649	4,457204	5,305866	4,777066	4,662504	5,299588	5,2832397	4,913086	-0,37015367	0,773700083	---	
17203253	4,473149	3,99417	4,095086	3,788274	3,4873	4,1765	4,1874683	3,817358	-0,37011033	0,773723322	---	
17201449	6,513647	6,096103	6,37241	6,426116	5,555468	5,890314	6,3273867	5,957299333	-0,37008733	0,773735657	---	
17336964	6,790361	7,057325	6,582784	6,828942	5,864055	6,627244	6,8101567	6,440080333	-0,37007633	0,773741557	---	
17208241	3,299596	3,128425	4,022921	3,125324	3,08655	3,129375	3,4836473	3,113749667	-0,36989767	0,773837385	---	
17372153	5,611664	5,427535	5,991435	5,311923	5,266932	5,342237	5,676878	5,307030667	-0,36984733	0,773864383	E030042O20Rik	
17204231	3,568099	4,175547	4,122402	3,445529	3,304866	4,006749	3,9553493	3,585714667	-0,36963467	0,773978466	---	
17207023	4,582848	6,123526	5,273438	5,174199	4,953825	4,743373	5,326604	4,957132333	-0,36947167	0,774065918	---	
17391430	7,409576	7,436199	6,69379	6,562576	7,107009	6,76184	7,179855	6,810475	-0,36938	0,774115102	---	
17290072	7,650742	7,408024	8,056801	7,289066	7,291708	7,426759	7,705189	7,335844333	-0,36934467	0,774134061	---	
17357837	6,440989	6,725947	5,997269	6,397906	5,71481	5,94381	6,3880683	6,018842	-0,36922633	0,77419756	Glyat	
17204201	5,127959	4,641033	4,107904	4,303559	5,027123	4,438784	4,625632	4,256488667	-0,36914333	0,774242102	---	
17308764	6,563469	6,693074	6,596771	6,335786	5,929193	6,481646	6,6177713	6,248875	-0,36889633	0,77437467	Serp2	
17200543	6,019519	6,450466	7,2669	6,199002	6,1603	6,272256	6,5789617	6,210519333	-0,36844233	0,774618395	---	
17305908	6,787352	6,316979	5,949435	6,287906	5,541052	6,119534	6,3512553	5,982830667	-0,36842467	0,774627881	---	
17357861	9,508906	9,746198	9,484417	9,542974	9,090283	9,00115	9,5798403	9,211469	-0,36837133	0,774656517	Keg1	
17539649	8,677666	8,597521	8,648516	7,882746	8,542164	8,394005	8,6412343	8,272971667	-0,36826267	0,774714868	Gm19528	
17296128	6,726083	6,157687	6,035448	5,993361	5,718098	6,103676	6,306406	5,938378333	-0,36802767	0,774841072	Gapt	
17210525	5,66489	6,180354	5,655264	5,901207	5,214182	5,281416	5,8335027	5,465601667	-0,367901	0,774909105	---	
17220593	4,704239	5,052984	5,443275	4,556004	5,133466	4,40743	5,0668327	4,698966667	-0,367866	0,774927904	---	
17207693	7,366115	7,337487	6,711575	6,882759	7,20973	6,219435	7,1383923	6,770641333	-0,367751	0,774989678	---	
17202637	6,238915	6,29843	6,910849	6,080426	6,371268	5,893339	6,4827313	6,115011	-0,36772033	0,775006151	---	
17233384	5,389231	5,359144	5,80968	4,966306	5,189837	5,298946	5,5193517	5,151696333	-0,36765533	0,77504107	Fabp7	
17227826	3,951196	3,062015	3,450996	2,955564	3,3884	3,017546	3,488069	3,120503333	-0,36756567	0,775089242	---	
17460261	5,158282	5,029392	5,579168	4,712417	5,112051	4,840786	5,255614	4,888418	-0,367196	0,775287871	Emx1	
17526086	4,39431	3,666222	4,090211	3,704358	3,746407	3,598806	4,0502477	3,683190333	-0,36705733	0,775362392	Pou2f3	

17243525	5,143478	5,682071	5,203698	4,902399	4,933115	5,092938	5,3430823	4,976150667	-0,36693167	0,775429934	Slc41a2
17293348	6,350048	6,394001	5,917602	6,01998	5,935583	5,605643	6,2205503	5,853735333	-0,366815	0,775492643	Ctla2b
17284650	3,980807	4,199025	4,741417	3,684354	3,811086	4,325766	4,307083	3,940402	-0,366681	0,775564676	---
17459693	5,792472	5,956557	6,021659	5,263844	5,769671	5,637169	5,9235627	5,556894667	-0,366668	0,775571664	Tgoln1 // Tgoln1
17414913	4,678932	4,741429	4,890603	4,56708	4,322007	4,322007	4,7703213	4,403698	-0,36662333	0,775595677	Frmd3
17202295	6,179875	6,53134	6,847641	6,065852	6,182008	6,2115	6,5196187	6,15312	-0,36649867	0,775662701	---
17428473	8,082404	8,432513	7,974856	7,705455	8,072612	7,61228	8,1632577	7,796782333	-0,36647533	0,775675246	Gm12839
17438940	8,164758	7,872272	8,22917	7,764645	7,634445	7,767719	8,0887333	7,722269667	-0,36646367	0,775681519	5830473C10Rik
17548603	4,617821	4,431583	4,537863	4,269826	4,05318	4,165556	4,529089	4,162854	-0,366235	0,775804474	Gm4884 // Gm4884
17203411	5,526877	5,206703	5,700701	5,474575	4,771781	5,089677	5,4780937	5,112011	-0,36608267	0,775886395	---
17387997	3,739529	4,248006	3,807555	3,48742	3,70025	3,509381	3,9316967	3,565683667	-0,366013	0,775923862	Olfr1254
17329772	4,74978	3,815725	4,567965	4,300152	3,759293	3,975996	4,3778233	4,011813667	-0,36600967	0,775925655	---
17469537	4,261245	3,964849	4,078238	3,797626	3,728833	3,680551	4,101444	3,73567	-0,365774	0,776052414	---
17209117	3,91745	4,425885	3,973131	3,705873	4,358708	3,154663	4,1054887	3,739748	-0,36574067	0,776070345	---
17203281	4,628229	4,610266	5,16924	4,65171	4,975473	3,683665	4,8025783	4,436949333	-0,365629	0,776130416	---
17368853	3,632706	3,754518	3,843734	3,550696	3,285125	3,298699	3,7436527	3,378173333	-0,36547933	0,776210937	---
17203167	4,921192	3,975578	4,412466	4,042188	3,990153	4,180678	4,436412	4,071006333	-0,36540567	0,776250573	---
17549376	6,823935	6,897491	6,904439	6,544745	6,486382	6,498663	6,8752883	6,50993	-0,36535833	0,776276041	---
17549752	6,823935	6,897491	6,904439	6,544745	6,486382	6,498663	6,8752883	6,50993	-0,36535833	0,776276041	---
17286585	4,339009	4,013367	4,197408	3,961952	3,6384	3,853813	4,1832613	3,818055	-0,36520633	0,776357833	---
17507888	3,347625	3,890323	3,888293	3,274656	3,396516	3,359477	3,708747	3,343549667	-0,36519733	0,776362676	Gm6040
17207279	6,145213	6,076478	6,815697	5,439961	6,408196	6,093663	6,345796	5,980606667	-0,36518933	0,776366981	---
17521256	4,6745	4,392764	4,325778	4,217283	4,046626	4,033828	4,4643473	4,099245667	-0,36510167	0,776414159	Iqcf5
17546232	4,308333	4,451962	4,667132	4,353345	4,292319	3,686496	4,475809	4,11072	-0,365089	0,776420976	Zf12
17206323	4,187224	4,031204	4,27542	4,102722	3,620571	3,675833	4,164616	3,799708667	-0,36490733	0,77651875	---
17299703	5,041551	5,283149	5,277216	4,639385	4,68611	5,182667	5,2006387	4,836054	-0,36458467	0,776692443	G630016D24Rik
17293793	5,097	4,937838	4,275326	4,63925	3,96904	4,608516	4,7700547	4,405602	-0,36445267	0,77676351	Gm7762 // Gm7762
17549814	5,565309	5,696683	5,693827	5,398181	5,230196	5,234191	5,6519397	5,287522667	-0,364417	0,776782713	---
17201151	5,572439	7,572928	5,24378	5,305888	5,960168	6,029957	6,1297157	5,765337667	-0,364378	0,776803712	---
17313860	4,027037	3,473719	4,120412	3,289673	3,628716	3,609703	3,8737227	3,509364	-0,36435867	0,776814122	Mirlet7b
17239501	6,859052	7,030082	6,941779	6,53601	6,353497	6,849843	6,9436377	6,579783333	-0,36385433	0,777085726	3110003A17Rik
17246065	6,005412	5,872856	5,69768	5,29288	5,575966	5,615742	5,8586493	5,494862667	-0,36378667	0,777122174	Ptges3
17202773	3,310284	3,153102	3,609703	3,255649	2,915716	2,812132	3,3576963	2,994499	-0,36319733	0,77743969	---
17470625	4,437759	4,331575	5,011458	4,462921	4,048983	4,179765	4,5935973	4,230556333	-0,363041	0,777523939	---
17210719	4,737647	5,007382	5,410403	5,284024	4,860053	3,922327	5,0518107	4,688801333	-0,36300933	0,777541006	---
17207041	6,28886	6,333254	6,285777	5,954101	6,125073	5,739874	6,3026303	5,939682667	-0,36294767	0,777574242	---
17481632	3,878448	4,325435	3,650602	4,052915	3,210009	3,503244	3,951495	3,588722667	-0,36277233	0,777668747	Olfr510
17208879	6,296407	6,704655	6,679018	6,425925	6,085185	6,080811	6,5600267	6,197307	-0,36271967	0,777697137	---
17209729	3,514597	4,083532	4,581234	3,865617	3,447539	3,778249	4,0597877	3,697135	-0,36265267	0,777733255	---
17207883	3,795131	3,824038	3,766628	3,91022	3,141834	3,245885	3,7952657	3,432646333	-0,36261933	0,777751225	---
17432470	4,284867	3,985919	4,159636	3,735244	3,887796	3,720264	4,143474	3,781101333	-0,36237267	0,777884213	Gm13089
17244085	6,487049	7,185349	7,40871	7,055808	6,518203	6,419991	7,027036	6,664667333	-0,36236867	0,77788637	Slc17a8
17204147	5,805973	6,091962	6,026604	5,519024	6,06886	5,249714	5,9748463	5,612532667	-0,36231367	0,777916026	---
17511748	8,642002	7,91409	7,251556	6,854311	7,199489	8,667045	7,9358827	7,573615	-0,36226767	0,77794083	Ces1g
17358132	7,880586	8,044009	7,874272	7,322202	7,682208	7,70832	7,9329557	7,57091	-0,36204567	0,778060548	Fam108b
17235743	4,416635	3,79044	4,417996	3,917816	3,854292	3,767583	4,208357	3,846563667	-0,36179333	0,778196646	Celf5 // Celf5
17206131	3,989276	4,199339	4,527143	4,000453	3,917915	3,713535	4,238586	3,877301	-0,361285	0,778470891	---
17205677	4,990038	5,685715	6,088903	4,629197	6,121695	4,930001	5,5882187	5,226964333	-0,36125433	0,778487439	---
17257049	7,085925	6,401258	7,035625	6,439035	6,409767	6,59029	6,840936	6,479697333	-0,36123867	0,778495893	---
17460773	4,091471	3,494044	3,773683	3,288955	3,541413	3,446025	3,7863993	3,425464333	-0,360935	0,778659772	Vmn1r54
17537520	4,263799	4,22962	4,560742	4,004397	4,023417	3,944407	4,351387	3,990740333	-0,36064667	0,778815409	Gm382
17532489	9,867499	10,28184	9,607319	9,384124	9,504348	9,786707	9,918886	9,558393	-0,360493	0,778898368	Gm19491
17206047	3,079727	2,882516	3,152509	2,708583	2,877178	2,447624	3,0382507	2,677795	-0,36045567	0,778918524	---
17538060	5,779159	6,108335	6,031461	5,527057	5,875022	5,435662	5,972985	5,612580333	-0,36040467	0,77894606	Mum1l1
17339852	3,971106	4,327268	4,417437	3,459524	4,237126	3,937989	4,2386037	3,878213	-0,36039067	0,778953619	---
17319968	5,160462	5,49034	5,031636	4,891596	4,713735	4,996035	5,2274793	4,867122	-0,36035733	0,778971616	Pnpla5
17422215	5,355773	4,859691	4,844522	4,715545	4,800422	4,463783	5,0199953	4,659916667	-0,36007867	0,779122095	---
17232509	3,363384	3,734173	3,365531	2,912247	3,401083	3,069716	3,487696	3,127682	-0,360014	0,779157019	---
17544826	4,349982	4,08351	4,375927	3,775226	4,015671	3,938828	4,2698063	3,909908333	-0,359898	0,779219669	---
17205865	6,644101	6,633565	7,496023	6,595944	6,628385	6,470128	6,924563	6,564819	-0,359744	0,779302851	---
17448744	8,079601	7,860188	8,003875	6,679787	8,206307	7,978358	7,9812213	7,621484	-0,35973733	0,779306452	---
17482943	7,679468	8,099983	7,942829	7,597194	7,566914	7,480087	7,9074267	7,548065	-0,35936167	0,779509404	Il4ra
17498551	5,075606	4,767696	4,941391	4,667663	4,399633	4,639709	4,928231	4,569001667	-0,35922933	0,779580909	---
17326799	5,133561	5,164009	4,265417	4,205884	4,639754	4,639754	4,854329	4,495130667	-0,35919833	0,779597661	---
17423191	4,628063	3,961172	4,31565	4,025052	3,956276	3,846033	4,3016283	3,942453667	-0,35917467	0,77961045	Naip3 // Naip3
17499622	4,302362	4,185813	4,249534	3,581943	3,87674	4,201794	4,245903	3,886825667	-0,35907733	0,779663049	Defb7
17208757	5,311628	5,711609	5,95745	5,902941	4,809559	5,191259	5,660229	5,301253	-0,358976	0,779717814	---
17356339	7,194003	7,040211	7,084036	6,693512	6,748902	6,80048	7,1060833	6,747631333	-0,358452	0,780001066	B3gnt1
17288309	5,103631	4,791663	4,698709	4,465417	5,001252	4,052051	4,8646677	4,50624	-0,35842767	0,780014222	Zfp455
17515084	7,424109	7,70422	7,835937	7,356478	7,263971	7,268551	7,6547553	7,296333333	-0,358422	0,780017285	Icam4
17257041	3,300214	3,783552	4,579696	4,239092	2,913058	3,436135	3,8878207	3,529428333	-0,35839233	0,780033325	---
17448798	7,467783	7,420846	7,08946	7,108752	6,526515	7,268551	7,3260297	6,967939333	-0,35809033	0,780196627	---
17200411	6,174067	4,764122	6,803808	5,282175	5,716454	5,669172	5,913999	5,555933667	-0,35806533	0,780210147	---
17268098	3,507063	3,662758	4,29006	3,614238	3,435894	3,336516	3,8199603	3,462216	-0,35774433	0,780383763	---
17225259	3,985804	3,709186	3,468009	3,288145	3,494499	3,307219	3,7209997	3,363287667	-0,357712	0,780401253	---
17210341	6,734681	6,255811	5,734449	6,171768	5,795587	5,685966	6,241647	5,884440333	-0,35720667	0,780674653	---
17357930	5,729551	5,785739	5,5438	5,185611	5,172624	5,629483	5,6863633	5,329239333	-0,357124	0,780719387	Olfr1487
17204843	5,55685	5,397799	5,989798	5,555008	5,089181	5,22894	5,648149	5,291043	-0,357106	0,780729128	---
17294559	6,070652	6,017591	6,005463	5,81106	5,662535	5,549048	6,0312353	5,674214333	-0,357021	0,780775127	1700023H06Rik
17204497	6,616101	5,294297	5,199592	6,085321	5,245146	4,708467	5,70333	5,346311333	-0,35701867	0,78077639	---
17207995	3,022586	2,784982	3,535102	2,588704	2,883439	2,799537	3,1142233	2,757226667	-0,35699667	0,780788297	---
17201801	4,877327	3,560618	4,489148	4,193872	3,600013	4,062256	4,309031	3,952047	-0,356984	0,780795152	---
17201977	4,877327	3,560618	4,489148	4,193872	3,600013	4,062256	4,309031	3,952047	-0,356984	0,780795152	---
17204169	4,16083	4,505518	3,888815	3,46979	3,960695	4,054984	4,1850543	3,828489667	-0,35656467	0,781022131	---
17204367	6,988834	7,274287	7,122896	6,995646	6,472276	6,848408	7,1286723	6,77211	-0,35656233	0,781023394	---
17201831	5,576264	5,041945	5,680354	5,301699	4,797565	5,130687	5,4328543	5,076650333	-0,356204	0,781217407	---
17297885	4,866769	4,482747	4,832481	4,345891	4,378123	4,389479	4,7273323	4,371164333	-0,356168	0,781236901	---
17219662	6,418021	8,118077	6,58264	7,191379	6,00541	6,8535	7,0395793	6,683429667	-0,35614967	0,781246829	Pyhin1
17265526	3,866425	3,669214	3,87581	3,496031	3,453652	3,393389	3,8038163	3,447690667	-0,35612567	0,781259825	Nlrp1c
17207301	5,141205	5,626237	5,017129	5,144206	4,502758	5,069306	5,2615237	4,905423333	-0,35610033	0,781273544	---
17208493	6,115016	6,319887	6,081088	6,024674	5,386973	6,0372	6,171997	5,816282333	-0,35571467	0,781482425	---
17257061	10,10375	10,05305	9,515414	9,874247	8,687743	10,04351	9,890738	9,535166667	-0,35557133	0,78156007	---
17466919	7,668899	8,25198	7,313354	6,76184	7,59441	7,811516	7,7447443	7,389255333	-0,355489	0,781604674	---
17508938	10,33335	10,55532	10,04378	10,59951	9,529497	9,737032	10,310817	9,955346333	-0,35547033	0,781614787	Fgl1
17203935	6,932024	6,840704	6,915249	6,605453	6,327099	6,689022	6,8959923	6,540524667	-0,35546767	0,781616232	---
17209171	3,608958	4,198337	4,09365	3,453762	3,838648	3,54223	3,9669817	3,611546667	-0,355435	0,78163393	---
17414038	3,335608	3,340139	2,962991	2,860514	2,892304	2,819802	3,2129127	2,85754	-0,35537267	0,781667702	---
17347234	8,194646	8,218426	8,224831	7,637336	8,142127	7,792568	8,2126343	7,857343667	-0,35529067	0,781712132	Gm9349
17495300	9,162814	8,893935	8,82756	8,603198	8,844961	8,371347	8,9614363	8,606502	-0,35493433	0,781905232	---
17547454	5,736159	6,595337	6,182303	5,363538	6,364805	5,721358	6,1712663	5,816567	-0,35469933	0,782032607	---
17233271	4,175529	3,695136	3,715779	3,598226	3,489725	3,434531	3,862148	3,507494	-0,354654	0,782057181	---
17408336	10,63572	10,65242	10,5387	10,37784	10,02142	10,36396	10,608947	10,25440667	-0,35454	0,78211898	Hsd3b3
17459309	3,822787	3,453524	4,570569	3,85568	3,432178	3,496	3,94896	3,594619333	-0,35434067	0,782227051	---
17550458	7,547723	7,556657	7,548079	7,361213	7,048973	7,179331	7,5508197	7,196505667	-0,354314	0,78224151	---
17288316	5,220904	5,357563	5,243992	5,028765	4,957366	4,773558	5,274153	4,919896333	-0,35425667	0,782272597	F630042J09Rik
17205845	5,871147	6,039822	5,982178	5,768469	5,956845	5,105202	5,9643823	5,610172	-0,35421033	0,782297721	---
17547203	4,64473	5,763834	5,232589	4,572996	5,585044	4,420712	5,2137177	4,859584	-0,35413367	0,782339294	LOC434960
17549798	6,830794	6,999408	6,717873	6,465245	6,375119	6,645797	6,8493583	6,495387	-0,35397133	0,782427329	---
17202401	6,29702	6,866237	7,303358	6,510157	6,245087	6,650439	6,822205	6,468561	-0,353644	0,782604874	---
17326453	4,371801	4,542119	4,335805	4,028665	4,109353	4,050815	4,416575	4,062944333	-0,35363067	0,782612107	Gabrr3
17483840	6,983303	7,004982	6,959457	6,678243	6,500966	6,708331	6,9825807	6,62918	-0,35340067	0,782736884	---
17257046	5,872575	5,888697	5,545981	4,824097	5,06623	6,356772	5,7690843	5,415699667	-0,35338467	0,782745564	---
17201799	5,712327	5,445876	5,37928	5,496984	4,576435	5,404404	5,5124943	5,159274333	-0,35322	0,782834911	---
17201975	5,712327	5,445876	5,37928	5,496984	4,576435	5,404404	5,5124943	5,159274333	-0,35322	0,782834911	---
17205621	4,389138	5,307143	5,249224	3,941115	5,107585	4,837191	4,981835	4,628630333	-0,35320467	0,782843231	---
17513974	8,508965	9,267122	8,958247	8,084066	8,734219	8,856577	8,9114447	8,558287333	-0,35315733	0,782868916	---
17202311	5,001829	4,9617	4,594927	4,206025	4,879584	4,413891	4,8528187	4,499833333	-0,35298533	0,782962256	---
17364403	12,15337	12,34355	12,44497	12,00122	11,93191	11,95041	12,313963	11,96118	-0,35278333	0,783071891	Cyp2c67
17372773	3,879949	4,432453	3,907265	3,818197	3,630863	3,713281	4,0732223	3,720780333	-0,352442	0,783257183	Olfr1023
17472056	4,476213	4,285463	4,313907	3,910363	3,923857	4,184566	4,3585277	4,006262	-0,35226567	0,783352922	Gprc5d
17548508	4,90663	5,573162	4,781526	4,51322	4,707816	4,983969	5,087106	4,735001667	-0,35210433	0,783440528	LOC100505136
17200941	3,751161	3,843123	3,680748	3,732809	2,820453	3,666219	3,758344	3,406493667	-0,35185033	0,783578472	---
17539611	6,706803	6,908151	6,788727	6,376481	6,462602	6,509252	6,801227	6,449445	-0,351782	0,783615587	Gpm6b
17205235	4,343791	6,084641	6,038531	4,978824	5,393098	5,040439	5,4889877	5,137453667	-0,351534	0,783750303	---
17209425	4,343791	6,084641	6,038531	4,978824	5,393098	5,040439	5,4889877	5,137453667	-0,351534	0,783750303	---
17416756	5,429326	5,152545	4,741261	5,224442	4,003945	5,040438	5,1077107	4,756275	-0,35143567	0,783803724	---
17481256	5,301044	4,79051	4,703128	4,541625	4,447451	4,75167	4,9315607	4,580248667	-0,351312	0,783870914	Olfr641
17239473	6,06669	5,860209	6,204113	5,835484	5,968136	5,273692	6,0436707	5,692437333	-0,35123333	0,783913658	---
17483058	4,834748	4,866275	5,297643	4,692148	4,635744	4,617122	4,9995553	4,648338	-0,35121733	0,783922352	Gm20367
17288246	4,090499	3,837767	3,804519	3,632602	3,644072	3,402483	3,9109283	3,559719	-0,35120933	0,783926699	LOC100861707 // LOC100861707
17387975	3,385272	3,469317	3,326248	2,979912	3,367236	2,78055	3,3936123	3,042566	-0,35104633	0,784015274	Olfr1248
17357788	3,591717	3,57983	3,343364	3,209145	3,055012	3,197803	3,5049703	3,153986667	-0,35098367	0,784049331	Olfr1431
17546995	3,507142	4,528894	3,551465	3,064258	4,07333	3,397015	3,8625003	3,511534333	-0,350966	0,784058932	---
17448760	3,994832	4,510143	4,930833	5,649445	3,744872	2,988973	4,4786027	4,127763333	-0,35083933	0,784127774	---

17248847	5,804302	5,114207	5,568102	4,989076	5,418772	5,026427	5,495537	5,144758333	-0,35077867	0,784160748	Havcr1
17200389	3,76852	3,829554	3,542536	3,232523	3,476403	3,379622	3,7135367	3,362849333	-0,35068733	0,784210393	---
17346344	6,063274	6,083364	6,281519	6,019934	5,569031	5,787562	6,142719	5,792175667	-0,35054333	0,784288671	Nrtn
17394878	3,753542	3,494044	3,591419	3,314621	3,160509	3,312878	3,6130017	3,262669333	-0,35033233	0,784403385	---
17399008	6,664071	6,577813	6,539662	6,284355	6,259997	6,186335	6,5938487	6,243562333	-0,35028633	0,784428396	Mir3093
17288872	6,166556	6,169992	5,851057	5,457736	5,683645	5,995896	6,062535	5,712425667	-0,35010933	0,784524641	---
17336944	5,071432	4,426515	5,371119	4,391096	4,263869	5,164009	4,9563553	4,606324667	-0,35003067	0,784567421	---
17344835	5,408911	4,306741	4,307804	4,28954	4,138806	4,545197	4,6744853	4,324514333	-0,349971	0,784599869	Olfr92
17203243	5,661734	7,003394	5,996445	5,597783	5,983031	6,031121	6,2205243	5,870645	-0,34987933	0,784649723	---
17299893	4,262377	4,45778	4,532857	4,154536	3,659742	4,389343	4,4176713	4,067873667	-0,34979767	0,784694141	Trav14d-3-dv8
17294685	5,367204	4,822056	5,275166	4,673485	4,760034	4,982645	5,1548087	4,805388	-0,34942067	0,784899221	---
17548671	5,373801	4,925963	4,874051	4,746816	4,643777	4,735726	5,0579383	4,708773	-0,34916533	0,785038148	Gm19274
17531701	7,845726	8,241259	7,930922	7,509273	7,955292	7,506091	8,005969	7,656885333	-0,34908367	0,785082588	Gm20317
17338353	6,601449	7,127206	7,153835	6,550127	6,545209	6,739929	6,96083	6,611755	-0,349075	0,785087304	---
17204361	8,053018	7,890823	7,892388	7,882035	7,489276	7,418393	7,9454097	7,596568	-0,34884167	0,78521429	---
17348458	10,21976	10,34891	10,12988	10,05227	9,419979	10,17991	10,23285	9,884053	-0,348797	0,785238601	---
17374316	4,832698	5,131185	4,491467	4,56165	4,522367	4,325189	4,81845	4,469735333	-0,34871467	0,785283415	---
17428876	6,059676	6,944724	6,415411	6,360875	6,386966	5,625984	6,4732703	6,124608333	-0,348662	0,785312083	---
17543742	4,143964	4,419941	4,328732	3,906591	3,955552	3,984603	4,2975457	3,948915333	-0,34863033	0,785329321	---
17475205	7,699434	8,206307	7,991645	7,866383	7,631942	7,353339	7,9657953	7,617221333	-0,348574	0,785359986	---
17221434	4,652743	4,241774	5,196337	4,20642	4,177034	4,661709	4,6969513	4,348387667	-0,34856367	0,785365611	---
17474916	6,368467	5,63641	6,417356	6,12513	5,377029	5,874453	6,1407443	5,792204	-0,34854033	0,785378313	Zfp108
17318105	8,279142	6,076181	6,038506	7,953752	5,87125	5,523754	6,797943	6,449585333	-0,34835767	0,78547776	I830127L07Rik
17547608	8,866884	9,352812	8,843674	8,246699	8,765496	9,006634	9,0211233	8,672943	-0,34818033	0,785574316	Actg1 // Actg1
17364426	8,289187	8,809635	8,705538	8,203789	8,385572	8,170773	8,6014533	8,253378	-0,34807533	0,785631492	Cyp2c40
17342827	5,624017	6,133173	6,059307	5,605484	5,646245	5,520979	5,9388323	5,590902667	-0,34792967	0,78571082	Scube3
17277685	4,8963	4,306604	3,766351	3,934104	3,901957	4,090763	4,323085	3,975608	-0,347477	0,785957387	Oog1
17520722	6,12509	6,159383	6,409621	5,917715	5,921289	5,812877	6,2313647	5,88396333	-0,34740433	0,785996976	Dbr1
17372269	3,90613	4,023417	3,977294	3,816982	3,329445	3,718661	3,968947	3,621696	-0,347251	0,786080518	---
17549398	4,667208	4,640377	4,286558	4,14756	4,291937	4,113029	4,531381	4,184175333	-0,34720567	0,786105219	---
17549784	4,667208	4,640377	4,286558	4,14756	4,291937	4,113029	4,531381	4,184175333	-0,34720567	0,786105219	---
17210687	5,321312	4,99151	5,083676	4,982644	4,165556	5,206965	5,132166	4,785055	-0,347111	0,786156803	---
17202475	3,094144	2,986575	3,466261	2,710862	2,870067	2,925659	3,1823267	2,835529333	-0,34679733	0,786327746	---
17332166	7,881868	7,992144	8,085311	7,667343	7,479679	7,771946	7,986441	7,639656	-0,346785	0,786334468	Donson
17465620	7,336318	7,982867	7,553016	7,443387	7,063529	7,325321	7,624067	7,277412333	-0,34665467	0,786405509	Podxl
17446285	6,024143	5,907541	6,024512	5,661956	5,576184	5,678132	5,9853987	5,638757333	-0,34664133	0,786412777	Nub1
17363429	6,849098	6,251809	6,311318	6,013274	6,119477	6,240396	6,4707417	6,124382333	-0,34635933	0,78656651	Aldh1a7
17200361	5,058295	4,625798	4,699818	4,503368	4,239974	4,601976	4,794637	4,448439333	-0,34619767	0,786654657	---
17249921	8,45259	8,345105	8,663396	8,086148	7,841138	8,49586	8,4870303	8,141048667	-0,34598167	0,786772443	---
17317046	7,807382	7,93675	7,631747	7,494627	7,322526	7,520859	7,7919597	7,446004	-0,34595567	0,786786623	Tnfrsf11b
17205679	4,759291	4,866898	5,088841	4,513649	4,385339	4,778601	4,90501	4,559196333	-0,34581367	0,786864067	---
17476943	4,677302	4,525954	4,529571	4,336957	4,24654	4,113008	4,577609	4,232168333	-0,34544067	0,787067533	Gm6820
17513856	8,343876	8,485271	8,397912	8,094755	8,136294	7,960146	8,4090197	8,063731667	-0,345288	0,787150825	Rpl13 // Rpl13
17359966	8,200597	8,692692	8,865285	8,060814	8,393126	8,269229	8,5861913	8,241056333	-0,345135	0,787234308	---
17489558	3,87585	3,789016	3,419624	3,487833	3,238052	3,323647	3,69483	3,349844	-0,344986	0,787315617	Abpz
17366744	7,975274	7,268551	7,634708	7,695526	7,018228	7,130896	7,6261777	7,28155	-0,34462767	0,787511193	Mir669a-3 // Mir669a-3
17503116	5,469497	4,778176	4,98223	4,769619	4,552163	4,874456	5,0766343	4,732079333	-0,344555	0,78755086	Mir23a
17206545	6,614793	6,447314	7,111644	6,794991	6,159309	6,186085	6,7245837	6,380128333	-0,34445533	0,787605268	---
17205371	6,381358	6,548941	6,612298	6,125457	6,13064	6,253691	6,514199	6,169929333	-0,34426967	0,787706635	---
17507571	4,451073	4,15933	4,735223	4,108672	4,124203	4,080595	4,448542	4,10449	-0,344052	0,787825489	Mir1968
17547475	5,872152	6,80997	7,059585	5,905975	6,923976	5,880751	6,580569	6,236900667	-0,34366833	0,78803503	LOC100039675
17200989	7,794554	7,715694	7,365753	6,984056	7,330641	7,530392	7,6253337	7,281696333	-0,34363733	0,788051963	---
17285240	6,783478	5,80086	6,422791	6,014428	6,043053	5,919	6,3357097	5,992160333	-0,34354933	0,788100033	---
17285944	8,890628	9,00944	8,615224	8,593926	8,244204	8,646725	8,8384307	8,494951667	-0,343479	0,788138455	Cmah
17442534	6,375741	6,336184	6,535981	6,064031	6,166472	5,987057	6,4159687	6,07252	-0,34344867	0,788155026	Ddx55
17368096	5,523774	5,649509	5,605958	5,344962	5,199761	5,204394	5,5930803	5,249705667	-0,34337467	0,788195454	Edf1
17204425	6,05917	5,934653	4,999248	4,889047	6,265994	4,807989	5,664357	5,32101	-0,343347	0,788210569	---
17203257	5,668638	5,546233	5,736159	5,771633	5,209925	4,939492	5,6503433	5,307016667	-0,34332667	0,788221678	---
17207949	4,349611	3,865736	4,346052	4,142323	4,078713	3,310524	4,187133	3,843853333	-0,34327967	0,788247357	---
17494940	6,067382	5,676972	5,927615	5,742959	5,605176	5,294482	5,8906563	5,547539	-0,34311733	0,788336057	Nrip3
17457983	5,207921	4,877472	5,295537	4,847539	4,610119	4,894416	5,1269767	4,784024667	-0,342952	0,788426405	Olfr447
17301920	4,747343	5,15926	4,93292	4,177444	4,842048	4,792137	4,9465077	4,603876333	-0,34263133	0,788601668	4933402J15Rik
17208347	6,902984	6,920951	7,151119	6,995333	6,773084	6,179036	6,9916847	6,649151	-0,34253367	0,788655056	---
17467298	5,489077	5,47483	5,45787	5,173948	4,917508	5,302735	5,4739257	5,131397	-0,34252867	0,788657789	Vmn1r34
17339908	3,399019	3,341798	3,426329	2,841087	3,0855	3,213126	3,3890487	3,046571	-0,34247767	0,788685669	---
17519952	4,541769	4,247465	4,439207	3,877448	4,205776	4,118444	4,4094803	4,067222667	-0,34225767	0,788805947	---
17349549	7,992907	8,448233	8,045582	7,774163	7,809976	7,876061	8,1622407	7,820066667	-0,342174	0,788851694	Mir1949
17414533	4,042883	4,189877	3,570858	3,524597	3,531302	3,721197	3,9345393	3,592365333	-0,342174	0,788851694	---
17547178	3,96208	4,602255	5,216337	4,178652	4,553637	4,02216	4,5935573	4,251483	-0,34207433	0,788906192	---
17202791	5,92822	5,736159	5,276218	5,241523	6,048852	4,624	5,6468657	5,304791667	-0,342074	0,788906375	---
17424468	5,433463	4,577622	5,377866	5,205987	4,467958	4,688884	5,1296503	4,787609667	-0,34204067	0,788924602	---
17473852	4,151585	3,998739	3,743591	3,757085	3,367237	3,743591	3,9646383	3,622637667	-0,34200067	0,788946476	Vmn1r88
17546563	5,741649	6,665719	6,792527	5,678843	6,753435	5,741811	6,399965	6,058029667	-0,34193533	0,788982205	LOC100862046
17546635	5,741649	6,665719	6,792527	5,678843	6,753435	5,741811	6,399965	6,058029667	-0,34193533	0,788982205	---
17344990	8,039632	8,104448	7,857948	7,487532	7,822615	7,666463	8,000676	7,65887	-0,341806	0,789052938	Cenpq
17344287	10,08478	10,15421	9,507099	9,663262	9,59819	9,461046	9,915363	9,574166	-0,341197	0,789386089	---
17205003	4,211115	5,15966	4,718209	4,363456	4,082286	4,619659	4,696328	4,355133667	-0,34119433	0,789387548	---
17239464	5,891215	6,674886	6,570187	5,809862	6,37525	5,927727	6,3787627	6,037613	-0,34114967	0,789411988	---
17203697	6,433782	4,990346	5,71664	5,350201	5,537616	5,229667	5,7135893	5,372494667	-0,34109467	0,789442083	---
17536233	4,916741	4,819882	5,004572	4,456454	4,764421	4,497418	4,9137317	4,572764333	-0,34096733	0,789511763	Gm5941 // Gm5941
17201745	5,27785	4,964174	4,889867	4,478314	4,765137	4,866202	5,0439637	4,703217667	-0,340746	0,789632897	---
17201921	5,27785	4,964174	4,889867	4,478314	4,765137	4,866202	5,0439637	4,703217667	-0,340746	0,789632897	---
17306123	5,771152	5,881772	5,852318	5,584812	5,656955	5,241523	5,8350807	5,49443	-0,34065067	0,789685077	---
17548589	6,232214	6,140333	5,808242	5,836099	5,544584	5,778229	6,060263	5,719637333	-0,34062567	0,789698762	Gm19288
17201285	6,033165	5,833049	6,314314	5,774744	5,687778	5,697066	6,060176	5,719862667	-0,34031333	0,789869744	---
17536665	5,352719	5,379966	5,168669	5,113263	4,901548	4,86578	5,3004513	4,960197	-0,34025433	0,789902047	Gm19763
17209713	5,475402	5,910081	6,178626	5,512707	5,66399	5,3668	5,854703	5,514499	-0,340204	0,789929606	---
17207215	5,268176	5,343771	5,673406	5,241523	4,948703	5,074634	5,428451	5,088286667	-0,34016433	0,789951326	---
17495320	4,868553	4,917215	5,04896	4,686826	4,397794	4,729761	4,9449093	4,604793667	-0,34011567	0,789977974	Cyp2r1
17415796	3,853168	3,734679	4,306569	3,642532	3,814064	3,417726	3,9648053	3,624774	-0,34003133	0,790024153	---
17200785	4,896333	4,009559	5,127446	4,4753	3,744872	4,794018	4,6777793	4,338063333	-0,339716	0,79019685	---
17265796	4,0409	3,648351	3,906828	3,569602	3,488064	3,51964	3,8653597	3,525768667	-0,339591	0,790265318	Olfr393
17448133	4,150578	3,518406	3,580798	3,276698	3,652288	3,302023	3,7499273	3,410336333	-0,339591	0,790265318	---
17547191	5,067517	5,838879	5,629042	4,787853	5,904693	4,824123	5,5118127	5,172223	-0,33958967	0,790266048	---
17226127	3,930489	3,657953	3,874862	3,526118	3,385422	3,533047	3,8211013	3,481529	-0,33957233	0,790275543	Cdh19
17459929	5,26367	4,955991	5,259908	4,788288	4,868121	4,805486	5,1598563	4,820631667	-0,33922467	0,79046601	Lbx2
17547141	5,75801	6,850803	7,072972	5,844037	6,991787	5,828448	6,560595	6,221424	-0,339171	0,790495415	LOC100862046
17473399	8,873563	9,047739	9,030037	8,418545	8,667865	8,847467	8,9837797	8,644625667	-0,339154	0,79050473	---
17506322	5,624467	5,686661	5,711806	5,217802	5,243231	5,544703	5,6743113	5,335245333	-0,339066	0,79055295	Klhdc4
17200305	5,290533	5,346574	5,46117	5,158664	5,214894	4,707663	5,3660923	5,027073667	-0,33901867	0,790578887	---
17209827	3,758643	3,576563	3,143593	3,013556	3,52345	2,924781	3,492933	3,153929	-0,339004	0,790586925	---
17409688	6,461979	5,89938	6,380157	5,983663	5,879547	5,861393	6,247172	5,908201	-0,338971	0,790605009	---
17288227	3,816697	3,403685	3,414408	3,324011	3,176887	3,117007	3,54493	3,205968333	-0,33896167	0,790610123	---
17208999	3,978065	4,419751	4,146762	3,435677	3,86404	4,228007	4,181526	3,842574667	-0,33895133	0,790615786	---
17208825	4,916502	4,133896	4,282413	3,752614	4,349786	4,213677	4,4442703	4,105359	-0,33891133	0,790637707	---
17323063	6,90314	6,248388	5,997268	6,248388	6,448824	5,435662	6,382932	6,044291333	-0,33864067	0,790786054	---
17207603	4,456587	5,628623	5,237361	5,510605	3,859538	4,936735	5,1075237	4,768959333	-0,33856433	0,790827896	---
17209003	6,916395	6,758341	7,645782	7,524345	5,690275	7,090607	7,1068393	6,768409	-0,33843033	0,790901353	---
17217619	6,881087	6,651556	7,057325	6,759373	6,107682	6,707659	6,8633227	6,52490467	-0,338418	0,790908114	Phlda3
17282117	8,921251	9,391249	9,206374	8,823892	8,779044	8,90073	9,172958	8,834555333	-0,33840267	0,79091652	Plek2
17205081	5,725026	5,103883	5,425834	5,164264	5,13731	4,938834	5,4182477	5,080136	-0,33811167	0,791076068	---
17209271	5,725026	5,103883	5,425834	5,164264	5,13731	4,938834	5,4182477	5,080136	-0,33811167	0,791076068	---
17207813	4,477979	4,280478	4,192734	4,343143	3,580627	4,013295	4,3170637	3,979021667	-0,338042	0,79111427	---
17414647	3,628222	3,737355	3,476503	3,623384	3,18189	3,023961	3,6140267	3,276411667	-0,337615	0,791348454	---
17249990	8,975336	10,04789	8,738088	8,843466	8,886326	9,019295	9,2537713	8,916362333	-0,337409	0,791461457	Irgm2
17440719	5,618834	5,652202	5,933402	5,408072	5,310509	5,474012	5,7348127	5,397531	-0,33728167	0,791531315	Tmem211
17208929	7,310109	6,950644	7,398318	6,948834	6,262346	7,436603	7,2196903	6,882594333	-0,337096	0,791633187	---
17471464	4,798052	4,852719	4,809618	4,577389	4,536808	4,335325	4,8201297	4,483174	-0,33695567	0,791710194	Klrb1b
17203525	6,631489	6,628807	5,591803	6,481901	5,482987	5,877139	6,284033	5,947342333	-0,33669067	0,791855632	---
17337948	5,300032	6,271054	5,400462	5,224754	5,152709	5,58429	5,6571827	5,320584333	-0,33659833	0,791906313	---
17511548	4,652001	4,162959	4,311554	4,216405	3,800605	4,099709	4,3755047	4,038906333	-0,33659833	0,791906313	---
17366728	5,00851	4,766254	4,345538	4,554576	4,214612	4,34142	4,7067673	4,370202667	-0,33656467	0,791924793	---
17258573	5,312817	4,914426	5,405866	4,634841	5,039568	4,949108	5,2110363	4,874505667	-0,33653067	0,791943457	Fam100b
17227892	4,611147	4,686151	4,779788	4,228396	4,355389	4,483763	4,692362	4,355849333	-0,33651267	0,791953338	Prg4
17481135	5,511044	5,673234	5,762114	5,442018	5,269454	5,22596	5,6487973	5,312477333	-0,33632	0,792059107	Olfr554
17207743	5,286471	4,146787	4,360623	4,716473	4,021402	4,047083	4,5979603	4,261652667	-0,33630767	0,792065878	---
17200745	4,35734	4,897812	4,708899	4,987284	4,207695	3,760497	4,6546837	4,318492	-0,33619167	0,792129567	---
17398653	5,152496	5,21717	5,437471	4,872296	4,967282	4,959021	5,2690457	4,932866333	-0,33617933	0,792136339	---
17404513	5,810418	6,22504	5,899924	5,435661	5,970034	5,52217	5,9784607	5,642621667	-0,335839	0,792323227	1600017P15Rik
17395053	4,86711	4,181606	4,553457	4,2864	4,390672	3,917615	4,5340577	4,198229	-0,33582867	0,792328902	LOC100862165
17286190	4,820622	4,529478	4,640336	4,370371	4,238616	4,373971	4,6634787	4,327652667	-0,335826	0,792330366	Prl2a1
17458016	3,814742	3,270892	3,250921	3,170646	3,170646	2,988973	3,4455183	3,110088333	-0,33543	0,79254788	Olfr47
17291062	7,5205	7,848322	8,172071	7,750397	7,25199	7,53223	7,8469643	7,511539	-0,33542533	0,792550444	---
17209163	6,751997	6,394389	6,413263	6,408709	6,045202	6,100322	6,519883	6,184744333	-0,33513867	0,792707941	---

17204391	7,201166	7,165446	7,274277	6,977565	6,655749	7,002555	7,2136297	6,878623	-0,33500667	0,792780473	---	
17475195	5,372999	5,195484	5,146496	5,117509	5,01295	4,579712	5,2383263	4,903390333	-0,334936	0,792819306	---	
17442126	4,602407	4,462621	5,000423	4,540685	4,38179	4,138355	4,6884837	4,35361	-0,33487367	0,792853562	---	
17546753	5,335177	6,058814	6,238562	5,199297	6,04869	5,380472	5,8775177	5,542819667	-0,334698	0,792950108	LOC100862046	
17366734	7,561543	7,138454	7,219055	7,165726	6,294198	7,455145	7,3063507	6,971689667	-0,334661	0,792970444	---	
17416690	7,10349	7,190041	7,076065	6,730838	6,786339	6,848912	7,1231987	6,788696333	-0,33450233	0,79305766	Orc1	
17229036	9,018724	8,344725	9,05149	8,163733	8,898758	8,34926	8,8049797	8,470583667	-0,334396	0,793116114	Fmo2	
17549004	5,619618	5,526217	5,885042	5,451286	5,235344	5,341141	5,676959	5,342590333	-0,33436867	0,79313114	Pycr2 // Pycr2	
17463443	4,322239	6,679472	4,779645	5,836493	4,373362	4,56868	5,260452	4,926178333	-0,33427367	0,793183369	Clec2h	
17209773	5,731452	5,755494	5,494003	5,098935	5,420209	5,458987	5,6603163	5,326043667	-0,33427267	0,793183919	---	
17208465	5,554784	5,70467	4,926826	5,456831	5,012421	4,714401	5,3954267	5,061217667	-0,334209	0,793218923	---	
17387950	4,15472	3,45324	3,433953	3,491082	3,316758	3,2318	3,6806377	3,346546667	-0,334091	0,793283804	Olfr1242	
17547000	2,910515	3,783953	3,48284	3,009286	2,996281	3,169673	3,392436	3,058413333	-0,33402267	0,793321379	---	
17201817	5,631964	5,862197	5,811311	5,318676	5,43965	5,545409	5,7684907	5,434578333	-0,33391233	0,793382052	---	
17201993	5,631964	5,862197	5,811311	5,318676	5,43965	5,545409	5,7684907	5,434578333	-0,33391233	0,793382052	---	
17466294	4,252118	4,110395	4,353197	3,997719	3,880622	3,835842	4,23857	3,904727667	-0,33384233	0,793420548	Try5	
17201363	6,372433	6,725023	6,483278	6,288741	6,252493	6,038334	6,5269113	6,193189333	-0,333722	0,793486729	---	
17333729	4,000776	3,791257	4,151163	3,618785	3,570858	3,753015	3,9810653	3,647552667	-0,33351267	0,793601872	Mir125a	
17546219	3,550775	3,954358	4,204461	3,726926	3,415993	3,566178	3,903198	3,569699	-0,333499	0,793609389	---	
17516383	9,508026	9,618184	9,500239	9,357196	9,076	9,192818	9,5421497	9,208671333	-0,33347833	0,793620758	Snord14e // Snord14e	
17548340	6,47949	6,473745	6,348558	6,051728	6,015136	6,234766	6,433931	6,100543333	-0,33338767	0,793670635	Atp6v1g1 // Atp6v1g1	
17208015	5,69053	5,268215	5,571021	5,372929	4,43438	5,72286	5,509922	5,176723	-0,333199	0,793774433	---	
17213293	4,398077	5,002304	4,380132	4,117363	4,109477	4,554307	4,5935043	4,260382333	-0,333122	0,7938168	---	
17429285	6,914814	5,697062	5,643588	5,736241	5,585392	5,934598	6,0851547	5,752077	-0,33307767	0,793841194	Olfr1333	
17446440	5,431922	5,324453	4,982178	5,313848	4,525824	4,900072	5,2461843	4,913248	-0,33293633	0,793918966	---	
17366525	5,299082	5,491817	5,561969	5,145083	4,802113	5,407016	5,450956	5,118070667	-0,33288533	0,793947032	Ucma	
17364365	6,89571	6,050136	6,432484	5,665692	6,620144	6,093898	6,4594433	6,126578	-0,33286533	0,793958039	---	
17206355	3,229026	3,221847	3,864031	2,989578	3,08242	3,244642	3,4383013	3,105546667	-0,33275467	0,794018944	---	
17548145	6,301506	6,420426	6,136932	5,842687	5,840605	6,177458	6,286288	5,953583333	-0,33270467	0,794046463	Atp6v1g1 // Atp6v1g1	
17201853	6,623997	5,93353	5,85573	6,060925	5,188621	6,165787	6,1377523	5,805111	-0,33264133	0,794081322	---	
17491691	3,525945	3,191943	3,247128	3,198688	2,963337	2,805071	3,321672	2,989032	-0,33264	0,794082056	---	
17215065	6,567006	7,272602	6,881728	6,360875	6,687614	6,675088	6,907112	6,574525667	-0,33258633	0,794111595	---	
17289977	5,579174	5,68123	5,71474	5,311759	5,368309	5,298062	5,6583813	5,326043333	-0,332338	0,794248299	Gm6320	
17533282	7,698599	7,702342	7,805583	7,378417	7,149591	7,68154	7,735508	7,403182667	-0,33232533	0,794255272	Mid1ip1	
17210333	7,56379	7,163387	7,349828	7,234177	7,210064	6,6358	7,3590017	7,026680333	-0,33232133	0,794257474	---	
17506945	4,133866	3,318773	4,327174	3,480516	3,457696	3,844942	3,9266043	3,594384667	-0,33221967	0,794313448	---	
17319638	3,854102	3,796132	3,652094	3,359103	3,594176	3,352681	3,7674427	3,43532	-0,33212267	0,794366855	Cyp2d11	
17442398	5,41665	5,689532	5,602036	5,518581	5,150288	5,043435	5,569406	5,237434667	-0,33197133	0,794450186	Gm19833	
17248911	6,818522	7,785521	6,324942	6,501438	6,642242	6,790361	6,9763283	6,644680333	-0,331648	0,794628256	Olfr56	
17520820	4,896333	4,756244	4,111949	3,934644	4,598012	4,238118	4,5881753	4,256924667	-0,33125067	0,794847135	---	
17305599	6,105353	5,958322	6,129011	5,854506	5,734343	5,610497	6,0642287	5,733115333	-0,33111333	0,794922802	---	
17207499	4,711097	4,971019	5,157391	4,156862	5,077808	4,611632	4,9465023	4,615434	-0,33106833	0,794947597	---	
17219643	6,383989	6,66811	6,492586	5,961582	6,391158	6,198792	6,514895	6,183844	-0,331051	0,794957148	Aim2	
17206915	4,717966	4,313657	5,152211	4,325931	4,367998	4,497093	4,7279447	4,397007333	-0,33093733	0,795019784	---	
17398557	5,571495	5,789833	5,564868	5,131617	5,383893	5,417888	5,6420653	5,311132667	-0,33093267	0,795022355	Sfrp2	
17285938	6,060364	5,393219	5,46603	5,08955	5,591976	5,245426	5,639871	5,308984	-0,330887	0,795047521	Hist1h2aa	
17337612	3,966451	4,003098	4,250133	3,570622	3,853908	3,802995	4,0732273	3,742508333	-0,330719	0,795140109	Olfr126	
17291076	4,68366	3,928143	3,817887	4,136684	3,543541	3,757356	4,14323	3,812527	-0,330703	0,795148927	Vmn1r202	
17203523	6,996337	6,960271	6,528664	6,535365	6,87572	6,082512	6,828424	6,497865667	-0,33055833	0,795228665	---	
17274184	10,10246	10,36915	10,12847	10,01545	9,66398	9,929062	10,200027	9,869497333	-0,33052933	0,79524465	Socs2 // Socs2	
17305163	6,128382	5,968362	6,55086	5,90109	5,749332	6,006307	6,215868	5,885576333	-0,33029167	0,795375668	2610528A11Rik	
17408985	6,879823	6,738881	7,048633	6,61366	6,573959	6,489025	6,8891123	6,558881333	-0,330231	0,795409115	Prok1	
17203691	7,725755	6,874917	7,933961	7,38108	6,914148	7,249061	7,5115443	7,181429667	-0,33011467	0,795473256	---	
17417749	7,771035	7,65951	7,62516	7,40149	7,406359	7,257836	7,685235	7,355228333	-0,33000667	0,795532808	Med8	
17260633	8,223503	8,132977	8,256254	7,790458	8,00222	7,830444	8,2042447	7,8743 74	-0,32987067	0,795607804	Fignl1	
17278321	9,444721	10,55205	9,851748	9,832966	9,513474	9,512599	9,9495063	9,619679667	-0,32982667	0,79563207	Serpina3m	
17528532	6,34421	6,782128	6,97579	6,451466	6,456192	6,205046	6,7007093	6,370901333	-0,329808	0,795642364	C2cd4a	
17209083	4,582031	4,549804	4,288215	4,139482	4,020182	4,271257	4,47335	4,143640333	-0,32970967	0,795696597	---	
17207293	7,198637	6,381659	6,433735	6,471052	6,338558	6,215355	6,6713437	6,341655	-0,32968867	0,795708179	---	
17312945	8,577933	8,91862	8,819472	8,543117	8,296488	8,48746	8,7720083	8,442355	-0,32965333	0,795727667	---	
17479644	3,325987	3,504283	3,238632	2,927728	3,108222	3,044136	3,3563007	3,026695333	-0,32960533	0,795754142	---	
17204729	7,887573	8,957973	8,652912	8,099605	8,080542	8,329526	8,499486	8,169891	-0,329595	0,795759842	---	
17420439	8,519067	8,447862	8,288582	8,146467	8,289351	7,830917	8,4185037	8,088911667	-0,329592	0,795761497	---	
17207769	4,568116	5,017443	4,481475	4,319771	4,36875	4,390335	4,6890113	4,359618667	-0,32939267	0,795871452	---	
17240087	4,330408	4,649861	5,582179	4,311755	4,754296	4,508422	4,8541493	4,524824333	-0,329325	0,795908782	---	
17207275	6,249451	5,634802	6,166661	6,122127	5,328804	5,612013	6,0169713	5,687648	-0,32932333	0,795909701	---	
17208363	6,067382	5,689725	5,667641	5,57637	5,403512	5,457183	5,8082493	5,479021667	-0,32922767	0,795962481	---	
17206133	2,783963	3,220278	3,2214	2,816021	2,657721	2,764274	3,0752137	2,746005333	-0,32920833	0,795973147	---	
17209923	3,692284	4,121735	3,157696	3,665663	2,954351	3,364256	3,6572383	3,32809	-0,32914833	0,796006252	---	
17370139	3,322358	3,32101	3,493561	2,944503	3,160885	3,044342	3,3789763	3,04991	-0,32906633	0,796051496	---	
17200195	5,319103	6,082158	5,780245	5,230865	5,38711	5,576643	5,7271687	5,398206	-0,32896267	0,7961087	---	
17427003	6,108744	5,772117	5,928497	5,761506	5,695874	5,365418	5,9364527	5,607599333	-0,32885333	0,796169034	Rps6	
17274385	6,517529	6,747423	6,600581	6,442564	6,489165	5,947536	6,6218443	6,293088333	-0,328756	0,796222751	Gm3993 // Gm3993	
17337133	5,205309	5,44544	4,871885	4,751373	4,891027	4,894014	5,1742113	4,845471333	-0,32874	0,796231581	H2-Q7	
17249977	5,337555	8,069791	5,371119	5,929992	6,220218	5,642325	6,2594883	5,930845	-0,32864333	0,796284934	Gm12250	
17547775	6,305187	6,218582	6,380672	5,931845	5,99296	5,993847	6,3014803	5,972884	-0,32859633	0,796310876	Spin1 // Spin1	
17202623	4,504057	4,836505	4,324111	4,44592	3,806531	4,427355	4,554891	4,226602	-0,328289	0,79648053	---	
17335624	3,991643	3,802784	4,122869	3,693815	3,544719	3,69467	3,972432	3,644401333	-0,32803067	0,796623163	---	
17402705	7,399018	6,858086	6,718699	6,597101	6,577483	6,817143	6,9919343	6,663909	-0,32802533	0,796626108	Gm5549	
17200403	5,813922	6,112654	5,812085	4,97888	6,126469	5,649445	5,912887	5,584931333	-0,32795567	0,796664577	---	
17207701	5,773202	6,235526	5,8484	4,985752	5,983308	5,904266	5,952376	5,624442	-0,327934	0,796676542	---	
17515521	4,173392	4,078577	3,865547	3,62922	3,813994	3,690598	4,039172	3,711270667	-0,32790133	0,796694581	---	
17204223	7,334299	7,536525	7,418497	7,269339	6,966408	7,070356	7,4297737	7,102034333	-0,32773933	0,796784047	---	
17251898	7,677281	7,436574	7,467758	7,09131	7,187013	7,320198	7,5272043	7,199507	-0,32769733	0,796807243	Mir324	
17300372	10,68108	10,57475	10,66133	10,39832	10,22473	10,31109	10,639053	10,31138	-0,32767333	0,796820498	---	
17547265	3,136464	4,527263	3,757073	3,23711	4,197324	3,003372	3,8069333	3,479268667	-0,32766467	0,796825285	---	
17525673	4,817016	4,479976	4,778398	4,458528	4,536355	4,098642	4,6917967	4,364508333	-0,32728833	0,797033168	Panx3	
17314773	5,549139	5,034837	5,480864	4,736715	5,202153	5,144361	5,3549467	5,027743	-0,32720367	0,797079944	1700120C14Rik // 1700120C14Rik	
17306676	4,412343	4,138247	4,189735	4,033738	3,646581	4,079082	4,246775	3,919800333	-0,32697467	0,797206475	---	
17547503	4,614034	4,32776	4,464828	4,233302	3,995992	4,196844	4,468874	4,142046	-0,326828	0,797287525	Gm19386	
17333844	5,569214	5,618372	5,76637	5,133845	5,329362	5,510504	5,6513187	5,324570333	-0,32674833	0,797331553	---	
17309374	5,486907	5,289662	5,182885	4,992838	5,143636	4,843216	5,319818	4,99323	-0,326588	0,797420169	BC005512 // BC005512	
17404073	7,570969	8,255087	8,087303	7,554316	7,588879	7,790642	7,9711197	7,644612333	-0,32650733	0,797464757	Fabp5 // Fabp5	
17405955	3,987709	3,729967	3,542356	3,480007	3,476241	3,324355	3,753344	3,426867667	-0,32647633	0,797481892	Serpini2	
17208593	6,983242	6,998366	7,069763	7,044632	6,373273	6,654111	7,0171237	6,690672	-0,32645167	0,797495528	---	
17392047	4,84273	4,664176	5,024038	4,585055	4,488637	4,47858	4,843648	4,517424	-0,326224	0,797621388	Lrrn4	
17210785	6,098351	4,641359	4,987183	5,771268	4,588721	4,388405	5,2422977	4,916131333	-0,32616633	0,79765327	---	
17210019	7,149252	6,316491	6,908683	6,611272	6,874161	5,910501	6,7914753	6,465311333	-0,326164	0,79765456	---	
17512544	6,126786	5,933527	6,079837	5,922777	5,553698	5,685263	6,0467167	5,720579333	-0,32613733	0,797669304	Ctrl	
17513641	9,10532	9,427211	9,198808	8,883276	8,839717	9,030285	9,2437797	8,917759333	-0,32602033	0,797733996	Slc7a5	
17357700	5,276218	5,495993	5,43955	5,174257	4,814892	5,244987	5,4039203	5,078045333	-0,325875	0,797814362	Ms4a4d	
17200201	4,656007	5,147181	4,226862	4,548148	4,699366	3,80517	4,6766833	4,350894667	-0,32578867	0,797862106	---	
17210233	6,180997	5,871162	5,147725	5,202944	5,349043	5,670571	5,7332947	5,407519333	-0,32577533	0,79786948	---	
17208371	6,840766	6,19152	6,624015	5,932158	6,607759	6,139321	6,5521003	6,226412667	-0,32568767	0,797917965	---	
17548593	8,927812	9,044851	8,808126	8,445581	8,683767	8,674973	8,9269297	8,601440333	-0,32548933	0,798027665	3110003A17Rik // 3110003A17Rik	
17288221	4,622626	4,081336	3,535139	3,584356	3,839189	3,839189	4,0797003	3,754244667	-0,32545567	0,798046288	---	
17425878	4,856727	3,454437	3,543073	3,212228	3,504403	4,161527	3,9514123	3,626052667	-0,32535967	0,798099394	Mup4	
17547094	5,447565	6,186358	6,270918	5,307041	6,202823	5,419083	5,9682803	5,642982333	-0,325298	0,798133509	---	
17547110	5,447565	6,186358	6,270918	5,307041	6,202823	5,419083	5,9682803	5,642982333	-0,325298	0,798133509	LOC100862076	
17243845	4,037844	4,152143	3,789363	3,513872	3,841028	3,64882	3,9931167	3,667906667	-0,32521	0,798182194	---	
17541060	4,691681	4,843482	4,623004	4,377497	4,112196	4,692882	4,719389	4,394191667	-0,32519733	0,798189202	Rhox3g-ps	
17467359	5,053429	5,69876	5,381383	5,064883	5,042104	5,051272	5,3778573	5,052753	-0,32510433	0,798240657	Tacstd2	
17210717	6,008184	6,100868	6,427144	6,563424	5,169196	5,828473	6,178732	5,853697667	-0,32503433	0,798279389	---	
17501502	4,726564	4,712595	4,615993	4,508436	4,520528	4,051626	4,6850507	4,360196667	-0,324854	0,798379178	---	
17372812	4,229592	3,928216	4,128307	3,764726	3,908092	3,638778	4,0953717	3,770532	-0,32483967	0,79838711	Olfr1093	
17337618	5,900168	5,489582	5,553459	5,685397	5,155959	5,127391	5,6477363	5,322915667	-0,32482067	0,798397625	Olfr128	
17262193	7,776706	8,509612	8,583952	8,25811	7,612372	8,02593	8,29009	7,965470667	-0,32461933	0,798509052	Cdk2ap1	
17548068	6,777004	7,245543	7,0289	6,665587	6,485158	6,927245	7,017149	6,692663333	-0,32448567	0,798583037	LOC100504825	
17206715	3,95015	2,828941	3,016733	2,873788	2,904553	3,044718	3,2652747	2,941019667	-0,324255	0,79871073	---	
17270558	4,898208	4,740435	4,790097	4,641817	4,411237	4,402978	4,80958	4,485344	-0,324236	0,798721249	Lyzl6	
17538812	8,603707	8,131969	7,608724	7,898985	7,580109	7,892928	8,1148	7,790674	-0,324126	0,798782151	---	
17524423	4,325842	4,2802	4,310009	4,052649	4,038152	3,852948	4,3053503	3,981249667	-0,32410067	0,798796177	---	
17529227	3,46374	3,585812	3,788274	3,418746	3,193831	3,253006	3,6126087	3,288527667	-0,324081	0,798807066	---	
17291335	4,697708	4,650213	4,837125	4,158008	4,598643	4,456226	4,7283487	4,404292333	-0,32405633	0,798820724	---	
17548783	4,489549	4,489549	4,512968	3,877755	4,134525	4,507725	4,4973553	4,173335	-0,32402033	0,798840658	9430032J07Rik	
17202063	8,169607	7,988428	8,220819	8,526399	6,906761	7,973754	8,1262847	7,802304667	-0,32398	0,798862991	---	
17205971	4,882318	5,914257	5,88651	5,360535	5,558099	4,792933	5,5610283	5,237189	-0,32383933	0,798940886	---	
17450856	3,467578	3,8412	3,695239	3,186938	3,415506	3,430143	3,6680057	3,344195667	-0,32381	0,798957131	Vmn2r8	
17457969	5,650599	5,222403	5,625757	5,781141	4,830288	4,916084	5,4995863	5,175837667	-0,32374867	0,798991097	Olfr38	
17201353	8,826618	8,2801	8,315577	7,911998	8,288801	8,250402	8,4740983	8,150400333	-0,323698	0,799019158	---	
17348679	4,051755	4,211267	4,000421	3,746746	3,721075	3,824823	4,0878143	3,764214667	-0,32359967	0,799073621	---	
17206947	5,510383	5,464403	5,684525	5,62701	4,667079	5,394484	5,5531037	5,229524333	-0,32357933	0,799084883	---	
17516120	4,752954	4,530678	4,488994	4,347558	4,225533	4,228808	4,5908753	4,267299667	-0,32357567	0,799086914	Olfr145	
17207311	4,210738	3,212476	3,51964	3,226818	3,413828	3,332629	3,647618	3,324425	-0,323193	0,799298895	---	

17547530	3,297404	3,48444	3,618332	2,921236	3,235446	3,274409	3,4667253	3,143697	-0,32302833	0,799390131	LOC100862148 // LOC100862148
17205057	7,008066	6,869067	6,893383	6,827378	6,241591	6,732527	6,9235053	6,600498667	-0,32300667	0,799402136	---
17209247	7,008066	6,869067	6,893383	6,827378	6,241591	6,732527	6,9235053	6,600498667	-0,32300667	0,799402136	---
17240606	11,13348	11,39084	11,3518	10,9715	10,91676	11,01888	11,29204	10,96904667	-0,32299333	0,799409524	Cd24a // Cd24a
17545908	4,255931	3,663426	3,912175	3,607986	3,499334	3,755295	3,943844	3,620871667	-0,32297233	0,799421161	---
17548149	5,006423	5,722436	5,096814	5,081569	4,931547	4,843754	5,2752243	4,95229	-0,32293433	0,799442217	Rhoa // Rhoa
17325884	4,33642	4,604186	4,373878	4,263043	3,869233	4,213808	4,4381613	4,115361333	-0,3228	0,799516659	Cd200r2
17205923	3,300187	3,666319	3,446679	3,430219	3,02489	2,990149	3,4710617	3,148419333	-0,32264233	0,79960404	---
17504372	5,283798	4,602578	5,151925	4,799539	4,393815	4,877192	5,012767	4,690182	-0,322585	0,799635817	---
17205887	4,10645	4,754871	4,62938	4,261008	4,141485	4,120692	4,4969003	4,174395	-0,32250533	0,799679975	---
17549388	6,452696	6,67641	6,322393	6,059709	6,080161	6,344525	6,483833	6,161465	-0,322368	0,799756102	---
17347903	8,247641	8,521976	8,274024	8,134234	7,941792	8,001263	8,3478803	8,025763	-0,32211733	0,799895071	Mcfd2
17549566	9,576941	9,999592	9,932028	9,56504	9,543242	9,434019	9,836187	9,514100333	-0,32208667	0,799912074	---
17203551	4,902381	5,097974	5,193355	5,147205	4,465776	4,614713	5,06457	4,742564667	-0,32200533	0,799957171	---
17201565	2,694176	3,340138	3,713327	2,925824	2,76504	3,091555	3,2492137	2,927473	-0,32174067	0,800103939	---
17433528	4,835024	5,07006	4,696619	4,388601	4,555945	4,692088	4,8672343	4,545544667	-0,32168967	0,800132224	Ajap1
17274556	5,673901	5,374599	6,158746	5,57057	5,342303	5,329549	5,7357487	5,414140667	-0,321608	0,800177518	---
17204959	5,341413	4,809648	4,626297	4,962024	4,267149	4,58341	4,925786	4,604194333	-0,32159167	0,800186577	---
17259527	10,13092	10,38193	10,43274	10,05847	9,864607	10,0578	10,315197	9,993625667	-0,321571	0,80019804	---
17543085	5,887328	5,587852	5,831668	5,988232	5,024589	5,32961	5,7689493	5,447477	-0,32147233	0,800252768	---
17252880	4,318653	3,953321	4,326826	3,728933	3,659481	4,246218	4,1996	3,878210667	-0,32138933	0,800298809	Mir132
17220748	5,974134	6,082759	6,249064	5,900863	5,716896	5,724165	6,1019857	5,780641333	-0,32134433	0,800323772	---
17372779	4,064754	3,842512	3,745469	3,614336	3,501299	3,573359	3,884245	3,562998	-0,321247	0,800377768	Olfr1028
17534139	5,692644	5,993727	6,078992	5,588726	5,491735	5,721186	5,9217877	5,600549	-0,32123867	0,800382392	Gm19899
17203991	4,580826	4,715763	4,624	3,717234	5,243152	3,996591	4,6401963	4,318992333	-0,321204	0,800401624	---
17547101	5,57871	6,436992	6,578839	5,504731	6,568866	5,557522	6,1981803	5,87703667	-0,32114067	0,800436762	LOC100862046
17399160	5,834312	6,285836	6,308199	5,927395	5,452025	6,08564	6,1427823	5,821686667	-0,32109567	0,800461729	---
17218040	4,212701	4,453496	4,212355	3,850061	4,119663	3,945949	4,2928507	3,971891	-0,32095967	0,800537191	---
17210617	3,475062	3,211997	3,544654	3,196784	2,997239	3,075026	3,410571	3,089683	-0,320888	0,800576959	---
17498059	5,541278	5,49069	5,274877	4,948713	4,859491	5,53616	5,435615	5,114788	-0,320827	0,80061081	Krtap5-2
17202153	3,158014	3,547946	4,429914	3,205762	3,684278	3,283519	3,711958	3,391186333	-0,32077167	0,800641517	---
17407400	5,371172	5,236288	4,638123	4,977527	4,050007	5,256146	5,081861	4,761226667	-0,32063433	0,800717736	Sprr1b
17290078	4,615792	4,2253	4,608633	4,158064	3,923923	4,406009	4,4832417	4,162665333	-0,32057633	0,800749927	Gm6416
17367909	4,724812	5,862521	5,650052	5,339942	5,22875	4,706982	5,4124617	5,091891333	-0,32057033	0,800753257	---
17366336	6,609863	6,239649	6,403041	6,037397	5,849446	6,404265	6,4175177	6,097036	-0,32048167	0,800802472	---
17200901	3,59435	3,601555	3,4488	3,144955	3,189692	3,348948	3,548235	3,227865	-0,32037	0,800864458	---
17210605	4,737576	5,508095	5,550244	4,772076	5,211815	4,850992	5,265305	4,944961	-0,320344	0,800878891	---
17495299	11,81992	11,82447	11,51333	11,28897	11,42893	11,47935	11,71924	11,39908333	-0,32015667	0,800982892	---
17375083	9,346057	9,505404	9,229769	9,023534	8,961995	9,135337	9,36041	9,040288667	-0,32012133	0,801002509	Snap23
17204491	4,378502	3,559386	3,363223	3,312216	3,350126	3,678552	3,767037	3,446964667	-0,32007233	0,801029715	---
17256338	5,236433	5,326687	5,385168	5,188814	4,88592	4,91393	5,316096	4,996221333	-0,31987467	0,801139473	---
17206899	5,998531	6,229296	5,337272	5,467115	5,805723	5,332845	5,855033	5,535227667	-0,31980533	0,801177975	---
17204037	6,617496	6,138415	6,889057	5,934411	6,64467	6,107269	6,5483227	6,228783333	-0,31953933	0,801325708	---
17300131	4,225708	3,845482	4,245271	3,637804	3,901793	3,818568	4,105487	3,786055	-0,319432	0,801385327	---
17402350	8,475007	8,165082	7,679457	7,619695	8,022591	7,719001	8,1065153	7,787095667	-0,31941967	0,801392178	Fabp2 // Fabp2
17458379	6,35781	6,385466	6,453152	5,879909	6,196073	6,162273	6,3988093	6,079418333	-0,319391	0,801408102	Gimap1
17312070	2,910193	2,789403	3,503754	2,569561	2,869593	2,806227	3,0677833	2,748460333	-0,319323	0,801445876	---
17418263	8,248524	8,690743	8,492542	7,647893	8,311474	8,514522	8,4772697	8,157963	-0,31930667	0,80145495	---
17406482	6,116193	6,525542	6,526593	6,073793	6,150321	5,987279	6,3894427	6,070464333	-0,31897833	0,801637368	Cd1d1
17209757	5,006496	4,789789	4,509163	4,128462	4,530109	4,690644	4,7684827	4,449738333	-0,31874433	0,801767402	---
17200269	6,181931	5,209874	6,275772	6,356448	5,024913	5,330245	5,8891923	5,570535333	-0,318657	0,801815938	---
17267617	4,864821	4,592507	4,488605	4,146416	4,720378	4,123284	4,6486443	4,330026	-0,31861833	0,801837428	Gm15698 // Gm15698
17202591	6,14072	5,590368	5,825924	5,477631	5,728734	5,394851	5,8523373	5,533738667	-0,31859867	0,801848359	---
17504019	6,945562	7,852273	6,917367	6,760541	6,580357	7,418914	7,2384007	6,919937333	-0,31846333	0,801923581	---
17544162	4,363941	4,321925	4,347336	4,076229	3,87335	4,128384	4,3444007	4,025987667	-0,318413	0,801951559	---
17209167	7,195493	6,922544	7,459639	6,796112	6,931927	6,894533	7,1925587	6,874190667	-0,318368	0,801976574	---
17328567	8,965804	8,527886	8,549301	8,049958	8,360378	8,677794	8,680997	8,36271	-0,318287	0,802021602	Igll1
17204191	3,747533	4,319158	3,986565	3,737126	3,623094	3,738637	4,017752	3,699619	-0,318133	0,802107218	---
17203091	5,231258	4,854259	5,236584	5,038268	4,710035	4,619619	5,107367	4,789307333	-0,31805967	0,802147991	---
17205377	4,635164	4,200119	4,237736	4,249553	3,835576	4,033886	4,357673	4,039671667	-0,31800133	0,802180425	---
17546620	5,978733	6,603991	6,810772	5,733208	6,825527	5,880921	6,4644987	6,146552	-0,31794667	0,802210822	LOC100862076
17208529	5,31665	4,042009	4,688121	4,443372	4,239588	4,40999	4,68226	4,364316667	-0,31794333	0,802212675	---
17219846	3,3158	3,693468	3,203409	3,165853	3,025433	3,067694	3,4042257	3,086326667	-0,317899	0,802237327	---
17549574	6,153963	6,491373	6,435849	5,878153	6,167199	6,082148	6,360395	6,0425	-0,317895	0,802239552	---
17549730	6,153963	6,491373	6,435849	5,878153	6,167199	6,082148	6,360395	6,0425	-0,317895	0,802239552	---
17201493	7,006099	6,947441	6,76524	6,147646	6,800474	6,817082	6,90626	6,588400667	-0,31785933	0,802259385	---
17342890	7,211953	6,117132	6,920897	6,462315	6,363606	6,470519	6,749994	6,432146667	-0,31784733	0,802266058	Clps
17378116	5,122485	5,106699	5,205368	4,777501	4,800285	4,903938	5,1448507	4,827241333	-0,31760933	0,802398418	Bpifa3
17206681	4,856435	6,041424	5,972196	5,266076	5,276342	5,37485	5,6233517	5,305756	-0,31759567	0,802406019	---
17254668	3,84113	3,34266	3,453508	3,171847	3,282693	3,229982	3,545766	3,228174	-0,317592	0,802408059	---
17323071	10,31054	10,1194	9,850741	9,601192	10,04442	9,682302	10,09356	9,775971333	-0,317589	0,802409727	---
17532574	3,991589	3,773644	4,18451	3,64966	3,581695	3,765854	3,9832477	3,665736333	-0,31751133	0,802452926	Ccr1l1
17315705	6,26785	6,284963	6,467963	6,212313	5,745151	6,110971	6,3402587	6,022811667	-0,317447	0,80248871	Card6
17247939	5,954438	6,191628	6,181835	5,997268	5,504071	5,874756	6,1093003	5,792031667	-0,31726867	0,802587912	---
17269212	7,494568	6,951582	7,250155	6,940348	6,624206	7,180219	7,2321017	6,914924333	-0,31717733	0,802638724	---
17524139	3,712785	3,881084	3,333465	3,060337	3,662895	3,25269	3,6424447	3,325307333	-0,31713733	0,802660978	---
17300630	5,138658	5,286094	5,180316	4,851292	4,776022	5,026366	5,2016893	4,88456	-0,31712933	0,802665429	Tssk4
17202301	5,559238	4,890953	5,762376	5,204999	4,75662	5,299587	5,404189	5,087068667	-0,31712033	0,802670436	---
17351841	8,196069	8,211183	8,049979	7,207598	8,30606	7,99249	8,1524103	7,835382667	-0,31702767	0,802721995	---
17224730	5,232573	5,048854	5,105124	4,89178	4,585545	4,958698	5,1288503	4,812007667	-0,31684267	0,802824936	Scg2
17507938	8,323761	7,596769	7,831147	7,75392	7,357089	7,691489	7,9172257	7,600832667	-0,316393	0,803075204	---
17540935	3,715841	3,418097	3,506216	3,250107	3,246936	3,194202	3,546718	3,230415	-0,316303	0,803125304	---
17312940	7,391364	7,572865	7,681046	7,339734	7,587511	6,769984	7,548425	7,232409667	-0,31601533	0,803285459	---
17210585	3,465399	3,970157	3,852751	3,684116	3,567564	3,088697	3,762769	3,446792333	-0,31597667	0,803306989	---
17390876	3,896252	3,796694	3,708684	3,524587	3,591817	3,337684	3,8005433	3,484696	-0,31584733	0,803379006	---
17258935	4,592661	4,449585	4,428906	4,263868	4,037327	4,222535	4,490384	4,174576667	-0,31580733	0,803401281	Enpp7
17203925	4,797761	4,956728	4,205645	4,330062	3,791675	4,891622	4,653378	4,337786333	-0,31559167	0,803521389	---
17208537	4,141575	4,08275	3,892794	3,106282	4,187078	3,877791	4,0390397	3,723717	-0,31532267	0,803671225	---
17205197	4,615785	4,520338	4,022763	4,288983	4,420611	3,503841	4,3862953	4,071145	-0,31515033	0,803767231	---
17209387	4,615785	4,520338	4,022763	4,288983	4,420611	3,503841	4,3862953	4,071145	-0,31515033	0,803767231	---
17207517	6,999749	6,165899	6,856799	5,884763	6,858269	6,334718	6,674149	6,35925	-0,314899	0,803907269	---
17466596	5,309246	5,006122	5,038525	4,826069	4,754529	4,82862	5,1179643	4,803072667	-0,31489167	0,803911355	1700026J14Rik
17439235	5,635814	5,126635	5,199988	5,126635	4,682522	5,208943	5,3208123	5,006033333	-0,314779	0,803974139	LOC100862180 // LOC100862166 // Gm7
17418213	9,606221	9,400215	9,706162	9,315577	9,310663	9,142061	9,570866	9,256100333	-0,31476567	0,803981569	---
17205791	4,807091	4,117064	4,316187	3,591705	4,600118	4,104263	4,4134473	4,098695333	-0,314752	0,803989185	---
17323135	6,167318	5,845418	5,94629	5,69627	5,655048	5,663684	5,986342	5,671667333	-0,31467467	0,804032283	---
17202713	5,554629	5,792529	6,213974	5,666511	5,166943	5,783726	5,8537107	5,53906	-0,31465067	0,804045658	---
17226867	5,708271	5,357436	5,85865	5,214911	5,503883	5,26193	5,6414523	5,326908	-0,31454433	0,804104922	1700037F24Rik
17210117	5,64009	5,704021	5,941853	5,756062	5,395438	5,190996	5,761988	5,447498667	-0,31448933	0,804135578	---
17473554	5,82917	5,898367	6,176531	5,83167	5,371855	5,757269	5,9680227	5,653598	-0,31442467	0,804171623	Galp
17202463	3,972796	3,266864	3,721577	3,378875	3,119505	3,51967	3,6537457	3,33935	-0,31439567	0,804187788	---
17481616	4,868829	3,640481	3,867395	3,823694	4,199803	3,410061	4,1255683	3,811186	-0,31438233	0,80419522	Olfr495
17319674	5,537233	5,579511	5,532051	5,459537	5,029369	5,217075	5,5495983	5,235327	-0,31427133	0,804257097	Cyp2d13
17370136	5,393693	5,464468	5,467115	5,325255	5,201447	4,855829	5,4417587	5,127510333	-0,31424833	0,804269919	---
17541400	4,478171	4,331643	4,368156	4,114662	4,093918	4,026728	4,3926567	4,078436	-0,31422067	0,804285342	9530027J09Rik
17201195	7,268551	6,977022	7,601313	6,878828	7,170357	6,856177	7,2822953	6,968454	-0,31384133	0,804496844	---
17397394	3,923855	3,677898	3,42981	3,385375	3,285473	3,41928	3,6771877	3,363376	-0,31381167	0,804513387	---
17317983	6,65818	6,454552	6,910954	6,445371	6,299006	6,338338	6,674562	6,360905	-0,313657	0,804599641	Arc
17501346	5,698232	5,624645	5,72341	5,270984	5,324882	5,509483	5,6820957	5,368449667	-0,313646	0,804605776	Mfap3l
17432496	3,671519	3,363665	3,601008	3,123451	3,591101	2,980806	3,5453973	3,231786	-0,31361133	0,80462511	Gm13109
17387355	5,073936	4,471712	4,932398	4,26755	4,9674	4,302455	4,8260153	4,512468333	-0,313547	0,804660991	---
17508164	8,815987	9,175396	9,284681	8,662449	8,40736	9,265666	9,0920213	8,778491667	-0,31352967	0,804670659	---
17505851	6,87368	7,286144	6,857353	6,609828	6,671716	6,795297	7,0057257	6,692280333	-0,31344533	0,804717698	Nudt7
17238141	7,54305	7,088307	7,500525	6,906396	7,049284	7,23628	7,377294	7,063986667	-0,31330733	0,804794676	Tac2
17547769	9,048226	9,152568	9,14182	8,619077	8,990559	8,793316	9,1142047	8,800984	-0,31322067	0,804843024	Rps18 // Rps18
17429685	4,887599	4,590331	4,879435	4,716579	4,702429	3,998905	4,7857883	4,472637667	-0,31315067	0,804882076	Oxct2a
17432783	7,076061	6,752405	6,862594	6,674016	6,379762	6,698002	6,89702	6,583926667	-0,31309333	0,804914063	Zfp933
17206223	5,817223	5,531903	5,385657	5,57089	4,748451	5,476836	5,578261	5,265392333	-0,31286867	0,80503942	---
17289511	4,539343	4,501742	4,293573	4,219235	4,106268	4,070673	4,444886	4,132058667	-0,31282733	0,805062484	5930438M14
17284527	4,842629	4,537559	5,029315	4,704021	4,314656	4,452515	4,8031677	4,490397333	-0,31277033	0,805094293	---
17233659	6,132844	5,974602	6,166615	5,684502	6,041107	5,610286	6,0913537	5,778631667	-0,312722	0,805121265	Gm17455
17326982	8,400473	8,645228	8,30464	7,922188	8,13991	8,350298	8,4501137	8,137465333	-0,31264833	0,805162377	---
17415359	5,249137	5,595204	5,202537	4,731221	4,752708	5,625033	5,3489593	5,036320667	-0,31263867	0,805167772	Ifna7
17267553	7,445725	7,572031	7,585126	7,131868	7,13061	7,4025	7,534294	7,221659333	-0,31263467	0,805170005	Srsf1 // Srsf1
17445605	3,242182	3,583885	3,232199	2,985284	3,073638	3,061955	3,3527553	3,040292333	-0,312463	0,805265818	---
17205301	7,133868	7,266684	7,316437	7,287437	6,892257	6,600424	7,2389963	6,926706	-0,31229033	0,805362201	---
17485185	5,204471	5,303067	5,121266	4,959342	5,026252	4,706596	5,2096013	4,897396667	-0,31220467	0,805410024	---
17386315	4,683301	4,854267	4,404256	4,362704	4,29328	4,349408	4,6472747	4,335130667	-0,312144	0,805443893	4930578N16Rik
17489759	7,033449	7,376712	7,217298	6,910104	6,909353	6,872567	7,209153	6,897341333	-0,31181167	0,805629453	C230052I12Rik
17549286	13,21223	13,43769	13,42836	13,18684	12,92942	13,02696	13,359427	13,04774	-0,31168667	0,805699259	---
17541646	4,289237	4,184691	4,513391	3,891734	4,175389	3,985298	4,3291063	4,017473667	-0,31163267	0,805729417	---
17414059	6,705314	6,85498	7,162457	6,698712	6,45667	6,63262	6,9075837	6,596000667	-0,311583	0,805757155	---
17343801	5,724457	5,94417	5,860611	5,560133	5,503221	5,53168	5,8430793	5,531678	-0,31140133	0,805858624	---
17208047	4,88071	4,860322	4,791239	4,316598	4,302472	4,978997	4,8440903	4,532689	-0,31140133	0,805858624	---

17366862	3,500107	3,906822	3,652449	3,129502	3,78624	3,209528	3,6864593	3,37509	-0,31136933	0,805876499	---	
17464251	4,702437	4,750581	4,644392	4,402668	4,607162	4,1538	4,6991367	4,387876667	-0,31126	0,805937574	2010013B24Rik	
17448746	8,889824	8,749384	9,17498	8,255132	8,663635	8,961995	8,9380627	8,626920667	-0,311142	0,806003495	---	
17207839	6,492164	6,420048	7,305326	6,595057	6,983721	5,705701	6,7391793	6,428159667	-0,31101967	0,806071843	---	
17208917	7,010046	6,947183	5,383166	6,81572	4,794018	6,797616	6,4467983	6,135784667	-0,31101367	0,806075195	---	
17344289	6,733149	6,805667	6,605507	6,370743	6,455505	6,385878	6,7147743	6,404042	-0,31073233	0,8062324	Aif1	
17418261	9,394613	9,53669	9,171156	8,974741	8,949281	9,24637	9,3674863	9,056797333	-0,310689	0,806256617	---	
17284463	5,798574	5,769799	4,94382	5,452461	4,922101	5,205708	5,5040643	5,193423333	-0,310641	0,806283442	Igh-VJ558 // Igh-VJ558	
17205109	4,194788	4,673743	4,813654	4,45491	4,504758	3,790718	4,5607283	4,250128667	-0,31059967	0,806306542	---	
17209299	4,194788	4,673743	4,813654	4,45491	4,504758	3,790718	4,5607283	4,250128667	-0,31059967	0,806306542	---	
17467502	5,243124	4,991034	5,358405	4,819412	4,590709	5,250899	5,197521	4,887006667	-0,31051433	0,806354236	---	
17206119	5,716158	5,387529	6,09504	5,868043	5,062644	5,336982	5,732909	5,422556333	-0,31035267	0,8064446	---	
17227797	8,992176	9,16442	8,983294	8,761884	8,878649	8,568492	9,04663	8,736341667	-0,31028833	0,806480562	Rgs18	
17489555	4,046846	3,88802	3,968248	3,57328	3,618331	3,78072	3,9677047	3,657443667	-0,310261	0,806495842	Scgb2b1-ps // Scgb2b1-ps	
17205737	7,211396	6,570566	7,084362	6,335671	6,711467	6,888626	6,9554413	6,645254667	-0,31018667	0,806537397	---	
17284411	6,463425	6,229068	5,499326	5,509529	5,462816	6,290276	6,0639397	5,754207	-0,30973267	0,806791245	---	
17357680	4,747024	4,523605	4,733556	4,296109	4,546607	4,23231	4,6680617	4,358342	-0,30971967	0,806798515	Gm8369	
17244860	3,611525	3,99621	3,929246	3,705127	3,593032	3,309863	3,8456603	3,536007333	-0,309653	0,806835798	---	
17205443	3,724742	3,627602	3,558016	3,34528	3,542093	3,09408	3,6367867	3,327151	-0,30963567	0,806845492	---	
17207289	4,627148	5,083029	5,091183	4,593102	4,372673	4,9076	4,9337867	4,624458333	-0,30932833	0,80701739	---	
17204697	5,015103	5,79037	5,001952	4,74457	5,373366	4,761813	5,2691417	4,959916333	-0,30922533	0,807075008	---	
17204761	6,205714	6,503094	6,537774	6,314539	6,115853	5,888695	6,4155273	6,106362333	-0,309165	0,807108761	---	
17284919	9,706764	9,687798	9,841956	9,805108	9,203694	9,301305	9,745506	9,436702333	-0,30880367	0,807310932	Akr1c14	
17201523	3,8433	4,357528	3,767819	3,360522	3,975114	3,706789	3,989549	3,680808333	-0,30874067	0,807346187	---	
17514961	4,429517	4,326866	4,797364	3,921898	4,336857	4,369087	4,5179157	4,209280667	-0,308635	0,807405321	Olfr869	
17317391	3,707442	3,571268	3,552428	3,40886	3,305011	3,19145	3,6103793	3,301773667	-0,30860567	0,807421738	---	
17339876	9,129975	9,294453	9,477123	9,488817	8,858384	8,629055	9,300517	8,992085333	-0,30843167	0,807519125	Qpct	
17453126	7,91163	8,336558	8,825547	8,340782	8,090127	7,718455	8,3579117	8,049788	-0,30812367	0,80769154	---	
17326709	4,901884	4,938778	5,109612	4,663864	4,603536	4,758703	4,9834247	4,675367667	-0,308057	0,807728864	---	
17491718	4,451229	3,859652	3,608998	3,978989	3,507513	3,509252	3,973293	3,665251333	-0,30804167	0,807737449	---	
17491720	4,451229	3,859652	3,608998	3,978989	3,507513	3,509252	3,973293	3,665251333	-0,30804167	0,807737449	---	
17511731	4,503179	4,078658	4,656888	4,039824	4,180583	4,094663	4,4129083	4,105023333	-0,307885	0,807825168	Ces1f	
17220752	3,351358	3,565052	3,63998	3,249766	2,987012	3,396669	3,5187967	3,211149	-0,30764767	0,807958072	---	
17457498	5,503294	5,58821	5,237031	5,361312	4,844477	5,199987	5,442845	5,135258667	-0,30758633	0,807992422	Jhdm1d	
17205215	4,012966	4,788794	4,233926	4,00215	4,217917	3,893413	4,3452287	4,037826667	-0,307402	0,808095665	---	
17209405	4,012966	4,788794	4,233926	4,00215	4,217917	3,893413	4,3452287	4,037826667	-0,307402	0,808095665	---	
17230902	5,867317	5,683973	5,562952	5,566383	5,014573	5,611649	5,7047473	5,397535	-0,30721233	0,80820191	Kcnk2	
17255819	7,338355	6,952142	7,272216	6,770708	7,024807	6,846044	7,187571	6,880519667	-0,30705133	0,808292108	---	
17238697	6,078	5,401156	5,987918	5,453428	5,678216	5,414915	5,822358	5,515519667	-0,30683833	0,808411453	Olfr820	
17204335	3,630605	3,204726	4,37055	3,269186	3,106032	3,910199	3,7352937	3,428472333	-0,30682133	0,808420979	---	
17550843	4,032338	3,788274	4,233658	3,744872	3,530249	3,858811	4,01809	3,711310667	-0,30677933	0,808444515	---	
17319554	7,130737	7,260553	7,211836	7,028498	6,837049	6,817492	7,201042	6,894346333	-0,30669567	0,8084914	Pmm1	
17290913	4,402086	4,562866	4,308697	4,418063	4,046965	3,889437	4,4245497	4,118155	-0,30639467	0,808660099	Gpx5	
17300223	4,230173	3,843317	3,845043	3,729384	3,469339	3,800789	3,9728443	3,666504	-0,30634033	0,808690555	---	
17547298	5,451185	6,183045	6,28402	5,373881	6,208147	5,418237	5,97275	5,666755	-0,305995	0,808884152	LOC100862076	
17488501	7,474188	7,604182	7,663881	7,176734	7,243908	7,403794	7,5807503	7,274812	-0,30593833	0,808915924	Pak4	
17549776	8,31004	8,610934	8,654617	8,08319	8,141509	8,433463	8,525197	8,219387333	-0,30580967	0,80898807	---	
17248104	8,053333	8,304913	7,798412	7,737548	7,73969	7,76247	8,0522193	7,746569333	-0,30565	0,809077608	Rtn4	
17239360	4,348387	4,463142	4,285847	4,079605	4,14497	3,956177	4,365792	4,060250667	-0,30554133	0,809138552	Plagl1 // Plagl1	
17261150	4,813399	4,568256	5,154144	4,459908	4,723088	4,436941	4,8452663	4,539979	-0,30528733	0,809281021	---	
17277060	8,052661	8,043188	8,044475	7,44957	7,97082	7,804256	8,0467747	7,741548667	-0,305226	0,809315426	---	
17203215	5,856702	5,872238	5,474861	5,97028	5,160268	5,157741	5,7346003	5,429429667	-0,30517067	0,809346468	---	
17332974	6,814076	7,198988	6,633998	6,618083	6,690995	6,423038	6,882354	6,577372	-0,304982	0,809452316	Rps6ka2	
17255755	7,602038	7,799521	7,73145	7,275014	7,556897	7,38622	7,711003	7,406043667	-0,30495933	0,809465033	Kpnb1 // Kpnb1	
17209857	5,754855	6,006419	5,859235	5,69888	5,143488	5,863744	5,873503	5,568704	-0,304799	0,809554998	---	
17324692	7,522426	7,944595	7,175143	7,570021	6,744006	7,413812	7,547388	7,242613	-0,304775	0,809568465	---	
17341995	7,277877	8,074258	8,300071	7,747221	8,200597	6,790361	7,8840687	7,579393	-0,30467567	0,809624208	---	
17200771	5,72344	5,088157	5,377508	5,901879	4,502378	4,871101	5,3963683	5,091786	-0,30458233	0,809676588	---	
17486948	5,14446	4,582289	4,681564	4,445864	4,394578	4,654189	4,802771	4,498210333	-0,30456067	0,809688748	Ceacam15	
17421452	4,513196	4,809041	4,341156	4,53706	3,853813	4,359097	4,5544643	4,24999	-0,30447433	0,809737202	---	
17305527	5,400268	5,239784	5,22082	4,990182	4,817297	5,140397	5,2869573	4,982625333	-0,304332	0,809817093	Ang6	
17262297	5,653691	5,562573	5,833132	5,476234	5,528452	5,131748	5,683132	5,378811333	-0,30432067	0,809823455	---	
17207249	4,876492	5,484386	5,125145	5,229646	4,498087	4,84541	5,1620077	4,857714333	-0,30429333	0,809838798	---	
17334030	5,733851	4,607804	5,058883	4,734524	4,571608	5,18223	5,1335127	4,829454	-0,30405867	0,809970536	Vmn2r113	
17457664	3,842944	4,087729	3,791654	3,838394	3,458718	3,513151	3,9074423	3,603421	-0,30402133	0,809991496	1810009J06Rik	
17359707	4,012523	4,010994	4,226506	3,714417	3,933072	3,690698	4,083341	3,779395667	-0,30394533	0,810034167	Wnt8b	
17394087	8,208782	8,208114	7,95697	7,63621	7,933319	7,8928	8,124622	7,820776333	-0,30384567	0,810090129	Tomm34	
17316019	5,816173	5,877573	5,78049	5,714222	5,296707	5,552325	5,8247453	5,521084667	-0,30366067	0,810194015	---	
17249593	7,479435	8,531398	7,364117	7,483045	7,488298	7,492647	7,79165	7,487996667	-0,30365333	0,810198134	Irf1	
17207341	5,087922	5,541808	5,6344	5,135882	5,342267	4,875057	5,4213767	5,117735333	-0,30364133	0,810204873	---	
17451645	6,571173	6,581913	6,703827	6,209012	6,366454	6,370766	6,618971	6,315410667	-0,30356033	0,810250363	---	
17297637	4,393648	3,786642	4,118004	3,504287	4,024948	3,859608	4,0994313	3,796281	-0,30315033	0,810480661	---	
17551107	5,381749	5,430228	5,989766	5,164009	5,359731	5,368687	5,600581	5,297475667	-0,30310533	0,810505941	---	
17254948	6,08671	6,004102	6,07856	5,532704	6,085796	5,641822	6,0564573	5,753440667	-0,30301667	0,810555756	Cuedc1	
17397932	4,854323	4,676103	4,640914	4,454631	4,579048	4,228662	4,72378	4,420780333	-0,30299967	0,810565307	Sucnr1	
17209893	5,085366	5,012738	4,377513	4,274402	4,204494	5,087776	4,8252057	4,522224	-0,30298167	0,81057542	---	
17475704	5,135826	5,823304	5,327561	5,088819	5,248684	5,040438	5,428897	5,125980333	-0,30291667	0,810611941	---	
17202525	5,560242	6,01533	6,316305	5,556485	5,785095	5,642041	5,963959	5,661207	-0,302752	0,810704468	---	
17284466	6,673062	6,499023	6,296526	5,750937	6,260017	6,549957	6,489537	6,186970333	-0,30256667	0,810808621	---	
17449960	4,078409	3,954577	4,381789	3,907321	3,845215	3,754995	4,1382583	3,835843667	-0,30241467	0,810894051	---	
17209093	4,0045	4,118479	4,42103	3,836285	3,995268	3,805763	4,1813363	3,879105333	-0,302231	0,810997291	---	
17393307	3,826383	3,559417	3,446023	3,444223	3,160914	3,32081	3,6106077	3,308649	-0,30195867	0,811150395	---	
17337832	4,752242	4,92753	4,623262	4,342752	4,70184	4,352596	4,767678	4,465729333	-0,30194867	0,811156017	---	
17544288	4,732103	5,493071	5,530823	4,887087	5,2403	4,72279	5,251999	4,950059	-0,30194	0,81116089	---	
17208525	4,652416	4,827999	4,690534	5,635249	3,580628	4,049286	4,7236497	4,421721	-0,30192867	0,811167262	---	
17469682	4,113482	4,82854	4,634299	4,057691	4,324602	4,288342	4,5254403	4,223545	-0,30189533	0,811186005	---	
17206081	3,891546	3,393824	3,617956	3,327305	3,189367	3,481602	3,634442	3,332758	-0,301684	0,81130484	---	
17547182	5,615407	6,100623	5,365373	5,551431	5,450212	5,174981	5,693801	5,392208	-0,301593	0,811356016	LOC100504515	
17270094	8,762732	8,338462	8,929322	8,215234	8,45747	8,45336	8,6768387	8,375354667	-0,301484	0,811417318	---	
17200281	5,59457	3,976984	4,178333	4,264377	4,210313	4,37097	4,5832957	4,281886667	-0,301409	0,811459502	---	
17551115	6,175463	6,493507	6,545045	5,747022	6,178259	6,385332	6,4046717	6,103537667	-0,301134	0,811614193	---	
17209533	3,703643	3,651108	3,457564	3,181647	3,428227	3,2993	3,604105	3,303058	-0,301047	0,811663138	---	
17377382	4,759485	4,732838	4,779982	4,582757	4,333468	4,453036	4,757435	4,456420333	-0,30101467	0,811681329	8030411F24Rik	
17237541	5,771398	5,880379	6,167752	5,526019	5,760617	5,629951	5,939843	5,638862333	-0,30098067	0,811700458	LOC100862026	
17527188	5,555764	5,325828	5,407092	5,322635	5,062407	5,000782	5,4295613	5,128608	-0,30095333	0,811715837	Tnfaip8l3	
17412965	5,928511	6,082889	6,157402	6,061239	5,376134	5,828614	6,0562673	5,755329	-0,30093833	0,811724277	Ccl21b	
17413025	5,928511	6,082889	6,157402	6,061239	5,376134	5,828614	6,0562673	5,755329	-0,30093833	0,811724277	Ccl21b	
17413123	5,928511	6,082889	6,157402	6,061239	5,376134	5,828614	6,0562673	5,755329	-0,30093833	0,811724277	Ccl21b	
17434150	5,928511	6,082889	6,157402	6,061239	5,376134	5,828614	6,0562673	5,755329	-0,30093833	0,811724277	Ccl21b	
17359918	4,783978	5,102367	4,791173	4,599633	4,40639	4,76886	4,892506	4,591627667	-0,30087833	0,811758036	Elovl3	
17467185	3,754712	3,642731	3,951526	3,61022	3,156682	3,680075	3,7829897	3,482325667	-0,300664	0,811878643	---	
17494712	3,721623	3,589284	3,469734	3,290314	3,247017	3,341355	3,593547	3,292895333	-0,30065167	0,811885584	---	
17210415	3,614654	3,666958	3,091328	2,688436	3,894787	2,887934	3,4576467	3,157052333	-0,30059433	0,811917849	---	
17495851	7,551117	7,763021	7,728378	7,489295	7,347106	7,304748	7,6808387	7,380383	-0,30045567	0,811995892	Usp31	
17548141	7,526424	7,427941	7,46967	7,025702	7,228575	7,268507	7,4746783	7,174261333	-0,300417	0,812017655	Bri3 // Bri3	
17491816	7,464365	7,624938	7,545808	7,140261	7,323101	7,270502	7,545037	7,244621333	-0,30041567	0,812018405	Mphosph10	
17397886	5,36541	4,822878	4,991095	4,666316	4,794018	4,817911	5,0597943	4,759415	-0,30037933	0,812038856	---	
17402402	5,901145	5,63146	5,616801	5,505874	5,244007	5,498551	5,7164687	5,416144	-0,30032467	0,812069626	Tram1l1	
17547656	5,232548	5,071856	5,014818	4,900982	4,805472	4,711821	5,1064073	4,806091667	-0,30031567	0,812074692	LOC100862018	
17341020	6,093857	5,226356	5,894058	5,225871	5,53161	5,555886	5,7380903	5,437789	-0,30030133	0,81208276	---	
17457765	3,913815	3,331213	4,109128	3,349426	3,616938	3,486946	3,7847187	3,484436667	-0,300282	0,812093643	Prss2	
17379750	4,451795	4,582989	4,4362	4,402758	3,865193	4,302543	4,490328	4,190164667	-0,30016333	0,812160443	5031425F14Rik	
17210167	4,80539	4,790875	5,451389	5,193101	4,672523	4,281721	5,0158847	4,715781667	-0,300103	0,812194408	---	
17206005	4,122323	4,228573	3,692194	3,473843	3,628277	4,041531	4,0143633	3,714550333	-0,299813	0,812357686	---	
17260306	5,418273	5,264016	5,286762	4,934831	4,969209	5,165843	5,323017	5,023294333	-0,29972267	0,812408553	Rps15a-ps6	
17516172	3,985089	3,320926	3,601388	3,216081	3,386014	3,406454	3,635801	3,336183	-0,299618	0,812467495	Olfr905	
17231558	7,170483	7,239845	7,424323	6,728752	7,247878	6,959197	7,278217	6,978609	-0,299608	0,812473126	Katna1	
17304141	5,715221	5,982174	6,05864	5,74402	5,688793	5,42473	5,9186783	5,619181	-0,29949733	0,812535452	Ppifos	
17200433	4,88893	4,7993	5,547667	4,519017	4,577745	5,240737	5,0786323	4,779166333	-0,299466	0,8125531	---	
17462092	6,910429	6,940341	6,730964	6,701628	6,610893	6,371462	6,860578	6,561327667	-0,29925033	0,812674576	Zfand4	
17458355	6,172661	6,453943	5,967858	5,675961	5,862426	6,158337	6,198154	5,898908	-0,299246	0,812677017	Gimap9	
17231522	5,739933	5,517921	5,552525	5,167695	5,38545	5,35956	5,6034597	5,304235	-0,29922467	0,812689034	Lrp11	
17391476	5,736159	6,30116	6,600237	5,997268	5,115634	6,627244	6,2125187	5,913382	-0,29913667	0,812738608	---	
17392925	6,329618	5,82495	6,070797	5,82097	5,902684	5,60443	6,0751217	5,776028	-0,29909367	0,812762832	Trib3	
17381262	4,097404	3,639097	4,16384	3,539761	3,607482	3,855844	3,9667803	3,667695667	-0,29908467	0,812767902	1700080N15Rik	
17518500	7,744786	7,909869	8,013105	7,864183	7,454115	7,452656	7,8892533	7,590318	-0,29893533	0,812852036	Parp16	
17203555	4,236002	4,714555	4,962718	4,024869	4,201399	4,790638	4,6377583	4,338968667	-0,29878967	0,812934113	---	
17543331	3,828004	3,80691	3,77513	3,283725	3,813364	3,416681	3,803348	3,50459	-0,298758	0,812951956	1700010D01Rik	
17207085	4,056928	3,944131	4,362746	3,593846	3,374073	4,49995	4,1212683	3,822623	-0,29864533	0,813015446	---	
17350166	6,852573	6,995255	6,608001	6,5046	6,443573	6,611783	6,8186097	6,519985333	-0,29862433	0,81302728	C330007P06Rik	
17403723	4,334644	4,636771	4,712737	4,412776	4,050391	4,325251	4,561384	4,262806	-0,298578	0,813053392	---	
17204695	6,891737	6,520412	5,993531	6,33393	5,830263	6,346214	6,46856	6,170135667	-0,29842433	0,813139998	---	
17493432	5,887912	6,355295	6,146997	5,434108	5,73028	6,330609	6,130068	5,831665667	-0,29840233	0,813152398	Thrsp	
17354327	6,136833	6,246658	5,829267	5,794253	5,725229	5,798742	6,0709193	5,772741333	-0,298178	0,813278849	Dtwd2	

17207821	4,761291	4,741537	5,78264	4,717408	5,098599	4,575002	5,095156	4,797003	-0,298153	0,813292943	---	
17202379	6,121724	6,070164	6,118149	6,015938	5,47429	5,925413	6,1033457	5,805213667	-0,298132	0,813304781	---	
17208745	4,494131	3,450484	3,763411	3,049883	3,713278	4,0506	3,9026753	3,604587	-0,29808833	0,813329398	---	
17202119	7,037739	6,441803	6,902103	6,602379	6,569269	6,315832	6,7938817	6,495826667	-0,298055	0,81334819	---	
17208157	5,786926	6,14201	5,35293	5,837564	5,552175	4,997966	5,760622	5,462568333	-0,29805367	0,813348942	---	
17204105	3,334491	4,375749	3,126356	3,428902	3,383859	3,129751	3,6121987	3,314170667	-0,298028	0,813363412	---	
17249483	6,997171	7,221625	7,123356	6,738954	6,795885	6,913256	7,1140507	6,816031667	-0,298019	0,813368486	Zcchc10	
17517298	3,415633	3,06178	3,688862	2,998154	3,068892	3,20545	3,3887583	3,090832	-0,29792633	0,813420732	---	
17549772	6,350611	6,686841	6,351652	6,211313	6,027229	6,257113	6,4630347	6,165218333	-0,29781633	0,813482754	---	
17475200	6,790361	7,77822	7,972627	6,952509	7,699434	6,996484	7,513736	7,216142333	-0,29759367	0,813608318	---	
17464099	4,67037	3,787613	4,022563	3,972953	3,89543	3,719438	4,160182	3,862607	-0,297575	0,813618845	---	
17464476	6,049739	6,566692	6,042879	5,951691	5,758176	6,057033	6,21977	5,9223	-0,29747	0,813678063	Rps4y2	
17471707	3,469689	3,5431	3,637059	3,162971	3,290759	3,303748	3,5499493	3,252492667	-0,29745667	0,813685583	Klra6	
17206095	3,453524	3,859212	4,548837	3,689955	3,656325	3,623205	3,9538577	3,656495	-0,29736267	0,813738601	---	
17532363	6,026464	5,354742	5,507944	5,329226	5,528117	5,140253	5,6297167	5,332532	-0,29718467	0,813839006	E530011L22Rik	
17302953	3,56049	4,293352	3,657623	3,617253	3,499873	3,5029	3,837155	3,540008667	-0,29714633	0,813860631	---	
17509425	6,386498	6,073219	6,588148	6,287605	5,73011	6,138844	6,3492883	6,052186333	-0,297102	0,81388564	Gm7385	
17248074	8,858049	9,080432	8,167527	8,759406	8,159981	8,295486	8,7020027	8,404957667	-0,297045	0,813917797	---	
17203121	5,138131	5,169018	5,216238	4,937291	4,6496	5,045698	5,1744623	4,877529667	-0,29693267	0,813981174	---	
17509691	4,288631	4,45275	4,048102	4,210992	3,743327	3,944441	4,263161	3,966253333	-0,29690767	0,81399528	---	
17207783	5,555245	5,277282	5,967017	5,265344	5,408885	5,234617	5,599848	5,302948667	-0,29689933	0,813999981	---	
17346150	7,510284	8,364984	7,252854	7,306367	7,438539	7,49298	7,709374	7,412628667	-0,29674533	0,814086876	Lrg1	
17206155	3,91192	3,856845	4,015909	3,574277	3,560093	3,760141	3,9282247	3,631503667	-0,296721	0,814100607	---	
17200703	4,011835	4,526907	4,263421	4,15568	3,486893	4,270035	4,2673877	3,970869333	-0,29651833	0,814214978	---	
17298929	3,609059	3,655184	3,685151	3,323716	3,277874	3,458378	3,649798	3,353322667	-0,29647533	0,814239247	4930529F24Rik	
17208077	6,109526	6,254331	7,060384	6,439756	6,495939	5,599501	6,474747	6,178398667	-0,29634833	0,814310927	---	
17391439	9,570213	10,08594	9,540816	9,420708	8,948917	9,938877	9,732323	9,436167333	-0,29615567	0,814419683	---	
17417654	6,833165	6,653442	6,871411	5,876899	6,796531	6,796452	6,786006	6,489960667	-0,29604533	0,814481969	---	
17278101	4,8224	4,477677	4,540364	4,177578	4,344246	4,430534	4,6134803	4,317452667	-0,29602767	0,814491943	Gm20069	
17206307	6,584786	7,135889	7,031709	6,577261	6,550901	6,736206	6,9174613	6,621456	-0,29600533	0,814504552	---	
17201137	6,565152	7,554242	6,681649	6,106084	6,524061	7,283061	6,933681	6,637735333	-0,29594567	0,814538239	---	
17208209	6,443494	6,502504	6,431901	5,591594	6,455353	6,44328	6,4592997	6,163409	-0,29589067	0,814569292	---	
17324678	9,534669	9,44437	9,956529	9,687414	9,0252	9,335439	9,6451893	9,349351	-0,29583833	0,814598841	---	
17381190	3,273046	3,407134	3,565672	3,25111	2,996007	3,111315	3,415284	3,119477333	-0,29580667	0,814616721	Gm14496	
17468707	12,14705	11,80702	12,02232	11,9731	10,92012	12,19604	11,99213	11,69642	-0,29571	0,814671306	---	
17362986	5,814254	5,838547	5,773526	5,636175	5,498475	5,404924	5,8087757	5,513191333	-0,29558433	0,814742271	Ms4a2	
17515371	6,215713	6,195512	5,506028	5,11646	5,678018	6,236146	5,9724177	5,676874667	-0,295543	0,814765614	2310047B19Rik	
17320811	7,572316	6,944352	7,033257	7,128098	6,612338	6,922976	7,1833083	6,887804	-0,29550433	0,814787451	---	
17549416	6,828805	6,931661	6,699513	6,538209	6,395093	6,640586	6,819993	6,524629333	-0,29536367	0,814866899	---	
17549472	6,750987	6,84875	6,612961	6,193915	6,639468	6,493346	6,737566	6,442243	-0,295323	0,814889869	---	
17549616	6,750987	6,84875	6,612961	6,193915	6,639468	6,493346	6,737566	6,442243	-0,295323	0,814889869	---	
17290961	4,142817	3,783996	4,24387	3,804894	3,73497	3,74497	4,0568943	3,761611333	-0,295283	0,814912463	Zkscan4 // Zkscan4	
17398336	3,655653	3,947698	3,609703	3,384699	3,722705	3,219907	3,7376847	3,442437	-0,29524767	0,814932421	---	
17297072	7,657183	7,858128	7,663472	7,556942	7,216939	7,519249	7,726261	7,431043333	-0,29521767	0,814949368	Rpp14	
17467690	7,613177	7,698248	7,534852	7,43678	7,543582	6,980692	7,6154257	7,320351333	-0,29507433	0,815030338	Ptcd3	
17291408	4,816833	4,713922	4,990523	4,687298	4,381047	4,567767	4,840426	4,545370667	-0,29505533	0,815041072	Hdgfl1	
17300159	4,321425	4,706363	4,781925	4,546992	4,178327	4,199318	4,6032377	4,308212333	-0,29502533	0,81505802	---	
17214039	11,82173	12,18426	11,95222	11,76346	11,6919	11,61799	11,98607	11,69111667	-0,29495333	0,815098698	---	
17214041	11,82173	12,18426	11,95222	11,76346	11,6919	11,61799	11,98607	11,69111667	-0,29495333	0,815098698	---	
17214043	11,82173	12,18426	11,95222	11,76346	11,6919	11,61799	11,98607	11,69111667	-0,29495333	0,815098698	---	
17254200	11,82173	12,18426	11,95222	11,76346	11,6919	11,61799	11,98607	11,69111667	-0,29495333	0,815098698	---	
17533187	5,360108	5,270128	5,491265	5,362072	5,255424	4,619802	5,3738337	5,079099333	-0,29473433	0,815222439	Fthl17	
17233955	3,675038	3,809008	3,738253	3,403051	3,630469	3,304752	3,7407663	3,446090667	-0,29467567	0,81525559	---	
17547702	6,060527	6,734013	6,856715	6,036427	6,385496	6,345555	6,5504183	6,255826	-0,29459233	0,815302682	Tmx1 // Tmx1	
17204889	4,583781	4,19484	4,396495	4,495619	4,010293	3,785521	4,3917053	4,097144333	-0,294561	0,81532039	---	
17379755	5,619567	5,262975	5,527431	5,069933	5,255947	5,200442	5,469991	5,175440667	-0,29455033	0,815326418	---	
17209107	4,103476	5,348781	4,252412	4,311048	4,666258	3,843766	4,568223	4,273690667	-0,29453233	0,815336591	---	
17204229	4,126858	4,165556	3,393883	3,508988	3,171456	4,12254	3,8954323	3,600994667	-0,29443767	0,815390093	---	
17291801	6,733951	6,63048	6,613302	6,327488	6,279006	6,487969	6,6592443	6,364821	-0,29442333	0,815398194	---	
17257157	4,556401	4,273783	4,545965	4,089251	4,245923	4,157937	4,4587163	4,164370333	-0,294346	0,815441903	Wnt3	
17291001	5,180678	5,362123	5,208409	5,045314	4,887573	4,935299	5,2504033	4,956062	-0,29434133	0,815444541	Hist1h2ak	
17297707	3,874268	4,534427	4,474065	4,371422	4,037295	3,591334	4,2942533	4,000017	-0,29423633	0,815503892	Gm10398	
17360770	7,954621	6,370074	8,602786	8,096727	7,201235	6,74686	7,6424937	7,348274	-0,29421967	0,815513313	Pnliprp1	
17354212	7,871737	8,552839	7,93794	7,727318	7,666578	8,086124	8,1208387	7,826673333	-0,29416533	0,815544026	Sumo2 // Sumo2	
17483301	7,871737	8,552839	7,93794	7,727318	7,666578	8,086124	8,1208387	7,826673333	-0,29416533	0,815544026	Sumo2 // Sumo2	
17206613	4,776988	4,474808	4,353226	4,036147	3,618626	5,067842	4,5350073	4,240871667	-0,29413567	0,815560797	---	
17271695	3,830976	3,58198	3,790237	3,563841	3,360709	3,396396	3,7343977	3,440315333	-0,29408233	0,815590947	4932435O22Rik	
17277146	7,160452	6,657915	6,617739	6,587713	6,385033	6,581388	6,8120353	6,518044667	-0,29399067	0,81564277	Acot4	
17228021	5,541862	5,068218	5,800257	4,855181	5,487424	5,185872	5,4701123	5,176159	-0,29395333	0,815663877	---	
17255008	5,21912	5,762462	5,522078	5,223436	5,308512	5,090108	5,50122	5,207352	-0,293868	0,815712124	Coil	
17230752	4,049535	4,124816	4,033717	3,609894	3,598463	4,118467	4,069356	3,775608	-0,293748	0,815779976	---	
17212518	9,13161	9,16206	9,068143	8,790495	8,867365	8,822836	9,1206043	8,826898667	-0,29370567	0,815803914	Wdr75	
17202285	5,925274	6,196027	6,075904	6,033954	5,361897	5,920302	6,065735	5,772051	-0,293684	0,815816166	---	
17288068	7,367868	7,045897	7,330423	7,017123	7,179663	6,666667	7,2480627	6,954484333	-0,29357833	0,81587592	---	
17208331	5,35022	5,469186	5,388319	5,412036	4,74676	5,168294	5,402575	5,10903	-0,293545	0,815894771	---	
17234718	5,21164	5,254144	5,127406	4,77999	4,83613	5,096467	5,19773	4,904195667	-0,29353433	0,815900804	Gm2696	
17354078	4,781614	4,373905	4,603604	4,380435	4,12126	4,377071	4,5863743	4,292922	-0,29345233	0,815947179	Ppp2r2b	
17464316	6,320487	6,673879	6,503302	6,187782	5,941349	6,488434	6,4992227	6,205855	-0,29336767	0,815995066	Stk38l	
17271572	5,465	5,247693	5,216352	5,229151	4,932456	4,887411	5,3096817	5,016339333	-0,29334233	0,816009394	2610035D17Rik	
17277140	7,190041	6,703052	6,790363	6,898653	6,319854	6,585407	6,8944853	6,601304667	-0,29318067	0,816100841	Acot1	
17434467	4,051207	3,555412	3,395264	3,410097	3,236742	3,4756	3,6672943	3,374146333	-0,293148	0,81611932	Gm9897	
17253215	7,737271	7,4422	7,337918	7,284443	7,173748	7,180183	7,5057963	7,212791333	-0,293005	0,816200217	Slc6a4	
17495665	6,978606	7,56513	7,029577	6,825217	7,028764	6,840595	7,1911043	6,898192	-0,29291233	0,816252645	---	
17210367	7,109322	7,96022	7,408597	7,342384	7,064452	7,192606	7,492713	7,199814	-0,292899	0,816260189	---	
17494126	4,015394	3,154581	3,188212	3,113429	3,03077	3,335855	3,452729	3,160018	-0,292711	0,816366564	Olfr33	
17362397	9,59725	9,874919	9,891981	9,640783	9,362814	9,482586	9,78805	9,495394333	-0,29265567	0,816397876	---	
17448793	8,628221	8,844774	8,559779	7,942642	8,372234	8,840322	8,6775913	8,385066	-0,29252533	0,816471632	---	
17516141	3,938271	3,884454	3,734884	3,620578	3,490263	3,569305	3,8525363	3,560048667	-0,29248767	0,81649295	Olfr890	
17428276	7,101809	6,354963	7,333579	6,659173	6,579268	6,674554	6,930117	6,637665	-0,292452	0,816513135	---	
17439239	3,770824	4,06368	4,147257	3,425286	3,783229	3,89613	3,9939203	3,701548333	-0,292372	0,816558414	LOC100862150 // AA792892	
17248075	7,989081	8,388114	8,364115	7,978767	8,127334	7,758094	8,2471033	7,954731667	-0,29237167	0,816558602	---	
17403268	7,608084	8,604105	6,832762	7,059231	7,601826	7,507339	7,6816503	7,389465333	-0,292185	0,816664262	Gbp2	
17547541	7,272909	7,287298	7,198265	6,90054	6,822153	7,159872	7,252824	6,960855	-0,291969	0,816786542	Smpdl3a // Smpdl3a	
17545283	5,898894	5,365011	6,192803	5,477619	5,477619	5,625867	5,8189027	5,527035	-0,29186767	0,816843914	Gm5946	
17200455	5,241523	4,051371	5,164009	4,610855	4,210738	4,760218	4,8189677	4,527270333	-0,29169733	0,816940361	---	
17304512	5,520345	6,438168	6,28586	6,304863	5,474046	5,590679	6,0814577	5,789862667	-0,291595	0,81699831	---	
17332690	5,573492	5,615763	5,407347	5,26991	5,148563	5,303517	5,5322007	5,240663333	-0,29153733	0,817030968	C530047H08Rik	
17324835	11,64981	11,89955	11,79432	11,49783	11,38788	11,5834	11,781227	11,48970333	-0,29152333	0,817038896	Tfrc	
17405478	7,818935	8,134015	7,653607	7,533377	7,59757	7,601535	7,8688523	7,577494	-0,29135833	0,817132346	P2ry13	
17465597	6,28212	6,454931	6,655624	6,341754	6,093247	6,083728	6,464225	6,172909667	-0,29131533	0,817156701	Klf14	
17410770	4,789454	5,215711	4,790069	4,652417	4,689472	4,579401	4,9317447	4,64043	-0,29131467	0,817157079	---	
17257308	3,812437	3,778536	3,682415	3,459047	3,458496	3,482206	3,757796	3,466583	-0,291213	0,817214666	---	
17248965	4,999211	4,883276	4,962824	4,718025	4,784539	4,469236	4,948437	4,657266667	-0,29117033	0,817238835	Olfr1390	
17216458	6,547321	6,284771	6,225009	6,030245	6,115291	6,038251	6,352367	6,061262333	-0,29110467	0,817276033	Serpinb2	
17200869	3,962399	4,152909	3,929618	3,638382	3,803283	3,730073	4,0149753	3,723912667	-0,29106267	0,817299826	---	
17488883	3,71308	3,994236	4,042551	3,870731	3,603919	3,402061	3,9166223	3,625570333	-0,291052	0,817305869	Gm6579	
17445308	9,573689	9,701186	9,673165	9,497858	9,286239	9,291237	9,6493467	9,358444667	-0,290902	0,817390851	Cyp51	
17218377	7,272905	7,765017	7,439378	7,336833	7,092258	7,176293	7,4924333	7,201794667	-0,29063867	0,817540062	Acbd6 // Acbd6	
17545655	3,762559	3,43629	3,221973	3,145777	3,152119	3,251266	3,4736073	3,183057333	-0,29055	0,817590308	---	
17204009	7,467785	7,259536	7,525753	6,857964	7,308663	7,214866	7,417658	7,127164333	-0,29049367	0,817622234	---	
17365030	8,974903	8,991075	8,863996	8,744625	8,616946	8,597043	8,9433247	8,652871333	-0,29045333	0,817645092	Chuk	
17359961	7,559862	7,929881	7,375229	7,74049	7,094748	7,158409	7,6216573	7,331215667	-0,29044167	0,817651704	---	
17440791	5,974051	5,308759	5,726474	5,425586	5,231492	5,482683	5,6697613	5,379920333	-0,2898	0,817992205	Svop	
17338101	6,01929	6,24473	5,892731	5,581225	5,686797	6,01929	6,0522503	5,762437333	-0,2898	0,818008081	---	
17460643	4,19431	4,661117	4,409919	3,993325	4,34819	4,054764	4,421782	4,132093	-0,289689	0,818078392	Dnajb8	
17546556	3,431034	5,442002	4,886333	3,761294	5,598394	3,530738	4,5864563	4,296808667	-0,28964767	0,81810183	---	
17547117	3,431034	5,442002	4,886333	3,761294	5,598394	3,530738	4,5864563	4,296808667	-0,28964767	0,81810183	---	
17547193	3,431034	5,442002	4,886333	3,761294	5,598394	3,530738	4,5864563	4,296808667	-0,28964767	0,81810183	---	
17547305	3,431034	5,442002	4,886333	3,761294	5,598394	3,530738	4,5864563	4,296808667	-0,28964767	0,81810183	---	
17235358	3,846224	3,718569	3,554121	3,326245	3,471552	3,452476	3,7063047	3,416757667	-0,2895	0,818158917	---	
17209767	4,322712	4,817066	3,983799	3,962707	4,452224	3,840483	4,3745257	4,085138	-0,28938767	0,81824928	---	
17539824	5,285639	5,362394	5,333401	5,057498	5,270339	4,785571	5,3271447	5,037802667	-0,2893	0,818275181	Mir188	
17495301	11,13766	11,03543	10,95266	10,65122	10,59678	11,01019	11,041917	10,75273	-0,28918667	0,818363289	---	
17440748	5,529683	5,190235	5,404782	5,037851	4,98908	5,230219	5,3749	5,085716667	-0,28918333	0,81836518	Ficd	
17530298	6,343955	5,785678	6,95706	5,708998	6,007403	6,502926	6,362231	6,073109	-0,289122	0,818399972	---	
17333001	5,283826	5,212098	4,310493	4,670179	4,576556	4,692379	4,9354723	4,646371333	-0,2891	0,818411884	Tcp10a	
17363923	4,332596	4,286577	4,286577	4,092439	3,930036	4,016324	4,3019167	4,012933	-0,28898367	0,818478448	Gm6642	
17360557	4,982544	4,836799	4,810595	4,528279	4,732471	4,503016	4,876646	4,587922	-0,288724	0,818625777	---	
17208843	4,475536	3,696008	4,930479	3,778395	4,289795	4,16785	4,367341	4,07868	-0,288661	0,818661526	---	
17549884	4,956228	4,307858	4,4232	4,366511	3,949099	4,505784	4,5624287	4,273798	-0,28863067	0,818678738	---	
17394911	5,696314	5,360911	5,698229	5,203068	5,206901	5,479803	5,5851513	5,296590667	-0,28856067	0,818718462	Tshz2 // Tshz2	
17497320	5,27819	4,863712	5,061802	4,903631	4,735935	4,698543	5,0679013	4,779369667	-0,28853167	0,818734919	Clrn3	
17334468	7,475954	7,237057	7,076881	6,895917	6,994856	7,034239	7,2632973	6,975004	-0,28829333	0,818870186	Igfals	
17374184	3,554291	3,133115	3,2642	2,923963	3,16123	3,00157	3,317202	3,028921	-0,288281	0,818877186	Olfr1284	

17396339	6,786716	7,280054	7,299408	6,747705	6,978274	6,775993	7,1220593	6,833990667	-0,28806867	0,818997716	---
17200307	4,041855	4,207539	3,965351	3,326097	4,279888	3,744595	4,0715817	3,783526667	-0,288055	0,819005474	---
17434614	8,989773	8,991982	8,738703	8,628046	8,591791	8,638287	8,9068193	8,619374667	-0,28744467	0,819352028	4930420K17Rik
17297537	6,883727	6,687884	6,868975	6,381446	6,659481	6,537329	6,8135287	6,526085333	-0,28744333	0,819352786	Plau
17535241	6,441562	6,294709	6,506759	6,126905	5,969165	6,285219	6,4143433	6,127096333	-0,287247	0,819464297	Gm14698 // Styx
17331258	3,704322	4,138455	4,078417	3,479082	3,683135	3,897678	3,9737313	3,686631667	-0,28709967	0,819547988	Olfr197
17210041	3,716997	4,664007	4,32321	3,566845	3,764139	4,512531	4,234738	3,947838333	-0,28689967	0,81966161	---
17427917	7,268656	7,202648	7,039365	6,87739	6,884854	6,888201	7,170223	6,883481667	-0,28674133	0,819751571	Lrrc42
17335790	7,788691	7,374094	7,376759	7,092346	7,24092	7,3462	7,5131813	7,226488667	-0,28669267	0,819779224	---
17352660	3,993967	3,886616	4,452522	3,692347	4,026258	3,754791	4,111035	3,824465333	-0,28656967	0,819849119	---
17204145	5,360274	4,690788	5,39921	4,877399	5,13571	4,577525	5,1500907	4,863544667	-0,286546	0,819862569	---
17551137	6,124844	6,281075	6,559011	5,830361	5,948112	6,326855	6,3216433	6,035109333	-0,286534	0,819869388	---
17272619	6,631808	6,982772	6,845722	6,692476	6,344227	6,564253	6,8201007	6,533652	-0,28644867	0,819917884	Socs3
17432320	6,683641	6,281294	7,044436	6,471859	6,469366	6,208812	6,6697903	6,383345667	-0,28644467	0,819920157	Cela2a
17202565	5,880214	4,591092	4,296705	4,748384	5,113096	4,047248	4,9226703	4,636242667	-0,28642767	0,819929818	---
17503972	4,337678	3,834954	4,379107	3,725342	3,815167	4,151973	4,183913	3,897494	-0,286419	0,819934744	Mir138-2
17228055	4,721271	4,04917	4,079353	4,0918	3,879184	4,019629	4,2832647	3,996871	-0,28639367	0,819949142	---
17430875	5,166723	5,054255	5,264729	5,217536	4,621195	4,787938	5,1619023	4,875556333	-0,286346	0,819976234	---
17538477	4,002837	3,298917	3,300415	3,459967	3,048411	3,234829	3,5340563	3,247735667	-0,28632067	0,819990632	Gm15114
17285863	10,4293	10,33969	10,637	10,11592	10,30614	10,12501	10,468663	10,18235667	-0,28630667	0,81999859	Hist1h2bb
17214025	11,77564	12,15783	12,01178	11,80411	11,69508	11,58716	11,98175	11,69545	-0,2863	0,820002379	---
17205751	5,014859	4,01068	4,06778	4,25377	4,03908	3,941957	4,3644397	4,078269	-0,28617067	0,820075893	---
17309150	5,136349	4,807008	5,26885	4,633667	4,679279	5,041048	5,0707357	4,784664667	-0,286071	0,820132549	---
17522846	4,224198	3,856807	3,767189	3,61583	3,94897	3,425282	3,949398	3,663360667	-0,28603733	0,820151687	---
17221430	3,927929	3,993796	4,020503	3,824565	3,694776	3,56488	3,9807427	3,694740333	-0,28600233	0,820171585	---
17365165	7,076799	7,102405	7,445776	6,694777	6,845382	7,22706	7,2083267	6,922406333	-0,28592033	0,820218203	---
17548775	5,126035	4,636714	5,005438	4,616858	4,581137	4,712501	4,922729	4,636832	-0,285897	0,820231469	Gm20326
17203225	6,366714	6,893061	6,019597	6,267233	5,33219	6,822583	6,4264573	6,140668667	-0,28578867	0,820293063	---
17299663	5,794665	5,221788	5,402421	5,12644	5,302006	5,133076	5,472958	5,187174	-0,285784	0,820295717	Slc39a2
17339392	8,822178	9,148216	8,830917	8,495843	8,729749	8,718735	8,9337703	8,648109	-0,28566133	0,820365466	Myl12a // Myl12a
17318822	8,356915	8,883728	8,721696	8,334774	8,154056	8,616725	8,654113	8,368518333	-0,28559467	0,820403376	Apol8
17293968	4,82364	4,477304	4,526514	4,497066	4,249586	4,22516	4,6091527	4,323937333	-0,28521533	0,820619116	Zfp459
17494146	5,95792	5,608035	5,903383	5,998065	5,402952	5,212838	5,8231127	5,537951667	-0,285161	0,820650022	Olfr571
17200063	5,732003	6,127577	5,86107	5,458226	6,419361	4,987658	5,9068833	5,621748333	-0,285135	0,820664812	---
17333819	3,344107	3,141584	3,259909	3,078021	2,869779	2,943053	3,2485333	2,963617667	-0,28491567	0,820789587	Vmn2r102
17350194	4,446922	4,183682	4,554382	4,114276	4,359462	3,856735	4,3949953	4,110157667	-0,28483767	0,820833965	---
17485475	5,181611	5,145191	5,988037	5,368246	4,91966	5,172426	5,4382797	5,153444	-0,28483567	0,820835103	---
17443833	6,723192	6,167305	6,414341	5,98746	6,328486	6,134519	6,434946	6,150155	-0,284791	0,820860516	Stag3
17334846	6,6884	6,629386	6,474737	6,106822	6,458492	6,37314	6,5975077	6,312818	-0,28468967	0,820918175	Tmem8
17433234	5,607018	5,744751	5,98838	5,416743	5,810663	5,25869	5,7800497	5,495365333	-0,28468433	0,82092121	---
17220204	8,11726	8,354109	8,330081	7,834036	8,06334	8,05057	8,26715	7,982648667	-0,28450133	0,821025347	Pycr2
17420011	6,814184	7,339545	7,132461	6,750718	7,065332	6,616737	7,0953967	6,810929	-0,28446767	0,821044506	---
17290687	3,211442	2,985085	3,67795	3,053408	3,072446	2,89547	3,2914923	3,007108	-0,28438433	0,821091933	---
17549418	3,520602	3,617995	3,685277	3,382242	3,312499	3,276281	3,607958	3,323674	-0,284284	0,821149039	---
17549800	3,520602	3,617995	3,685277	3,382242	3,312499	3,276281	3,607958	3,323674	-0,284284	0,821149039	---
17261840	9,587418	9,456557	9,570933	9,22545	9,207458	9,329186	9,5383027	9,254031333	-0,28427133	0,821156248	Hmmr
17451943	5,847529	5,480934	5,556934	5,363594	5,387322	5,281867	5,6284657	5,344261	-0,28420467	0,821194194	LOC433944
17206699	6,698871	6,236518	6,4778	6,257565	6,426225	5,876977	6,471063	6,186922333	-0,28414067	0,821230625	---
17550016	6,694483	6,905008	6,936689	6,57408	6,612017	6,49772	6,8453933	6,561272333	-0,284121	0,82124182	---
17206665	3,270892	4,032043	3,694433	3,340138	3,226818	3,578131	3,6657893	3,381695667	-0,28409367	0,821257379	---
17346704	5,452989	5,874473	5,354224	5,217913	5,109815	5,501756	5,560562	5,276494667	-0,28406733	0,82127237	---
17409500	7,20206	6,497338	6,596323	6,764495	5,922805	6,756454	6,7652403	6,481251333	-0,283989	0,821316963	---
17344757	4,344413	3,963817	3,955403	3,644864	3,581013	4,186702	4,0878777	3,804193	-0,28368467	0,821490236	H2-M1
17274054	9,503237	9,740484	9,71193	9,346037	9,366102	9,393005	9,6518837	9,368381333	-0,28350233	0,821594066	Smc6
17372775	4,723599	4,894148	4,090447	4,470062	3,918638	4,469186	4,569398	4,285962	-0,283436	0,821631843	---
17466639	6,208767	5,514246	5,58531	5,654772	5,349903	5,453556	5,769441	5,486077	-0,283364	0,821672849	---
17475397	4,480273	3,728287	4,245669	3,415829	4,144564	4,043867	4,1514097	3,868086667	-0,283323	0,8216962	Vmn1r184
17549104	4,502569	4,36287	4,598774	4,155656	4,249549	4,20924	4,488071	4,204815	-0,283256	0,821734361	---
17475081	7,608724	7,641607	7,091415	7,32416	7,188824	6,979235	7,4472487	7,164073	-0,28317567	0,821780119	Ceacam10
17283086	3,425978	3,649234	3,562511	3,227452	3,227162	3,333756	3,5459077	3,26279	-0,28311767	0,821813157	---
17269161	4,722233	4,216373	4,383616	4,111069	4,277917	4,084107	4,4407407	4,157697667	-0,283043	0,821855691	Gm11562
17331669	10,26708	10,54927	10,59556	10,43769	10,15058	9,974831	10,470637	10,18770033	-0,28293633	0,821916458	App
17439333	5,515033	5,125634	5,334368	5,153106	4,874356	5,098955	5,3250117	5,042139	-0,28287267	0,82195273	LOC100862180 // LOC100862166 // Gm7
17405482	7,411277	6,763249	7,033373	6,628942	6,774456	6,956004	7,0692997	6,786467333	-0,28283233	0,82197571	P2ry12
17549450	5,80862	6,082642	5,896901	5,635035	5,748254	5,556428	5,9293877	5,646572333	-0,28281533	0,821985396	---
17549844	5,80862	6,082642	5,896901	5,635035	5,748254	5,556428	5,9293877	5,646572333	-0,28281533	0,821985396	---
17500093	3,81263	3,654417	3,904843	3,371876	3,595839	3,556174	3,79063	3,507963	-0,282667	0,822069914	---
17399266	10,18054	10,4799	10,53794	10,38308	9,962758	10,00458	10,39946	10,116806	-0,282654	0,822077322	Pklr
17445361	3,499334	3,629586	3,460514	3,141926	3,369074	3,230486	3,5298113	3,247162	-0,28264933	0,822079981	1700015F17Rik
17549808	6,24758	6,0503	6,519142	6,028726	6,199124	5,741403	6,2723407	5,989751	-0,28258967	0,822113981	---
17206141	3,498395	2,929048	3,062766	2,908833	2,99204	2,741869	3,163403	2,880914	-0,282489	0,822171347	---
17491763	6,853117	6,649696	6,956575	6,665215	6,543158	6,404047	6,819796	6,537473333	-0,28232267	0,822266144	Chrna7
17305015	8,09897	8,175481	8,090767	8,011862	7,802999	7,703646	8,1217393	7,839502333	-0,282237	0,822314971	Fam35a
17283937	8,805277	8,927595	8,775408	8,250401	8,475821	8,93572	8,8360933	8,553980667	-0,28211267	0,822385842	---
17283659	4,272362	4,380488	4,769512	4,192424	4,119297	4,264435	4,4741207	4,192052	-0,28206867	0,822410924	Serpina9
17501787	9,109324	8,958291	8,741282	8,574019	8,371034	9,01784	8,936299	8,654297667	-0,28200133	0,822449309	Tm6sf2
17481622	4,224828	3,976663	4,347584	3,847447	3,783496	4,072142	4,183025	3,901028333	-0,28199667	0,822451969	Olfr503
17324522	8,620872	8,71073	8,767612	8,448166	8,424984	8,38012	8,699738	8,417756667	-0,28198133	0,82246071	Il1rap
17205769	2,984045	3,364908	3,418808	3,018262	3,018262	2,885363	3,2559203	2,973962333	-0,281958	0,822474012	---
17213244	3,695488	3,102353	3,062342	3,101547	2,973938	2,939152	3,2867277	3,004879	-0,28184867	0,822536345	---
17331311	5,507449	6,258734	5,749689	5,588867	5,497119	5,58459	5,838624	5,556858667	-0,28176533	0,822583858	Arl6
17549372	7,383432	7,71372	7,459064	6,998841	7,209864	7,502512	7,5187387	7,237072333	-0,28166633	0,822640307	---
17549756	7,383432	7,71372	7,459064	6,998841	7,209864	7,502512	7,5187387	7,237072333	-0,28166633	0,822640307	---
17202709	2,708583	2,821051	3,013081	2,447624	2,900901	2,349405	2,8475717	2,565976667	-0,281595	0,822680983	---
17376988	4,861592	4,835321	5,376161	4,693276	4,690371	4,844752	5,024358	4,742799667	-0,28155833	0,822701892	Otor
17202283	7,007739	7,506646	7,366513	6,843671	7,107009	7,085925	7,2936327	7,012201667	-0,281431	0,822774508	---
17209121	4,507498	3,206895	3,385781	3,559219	3,297863	3,398861	3,700058	3,418647667	-0,28141033	0,822786294	---
17477695	7,223588	7,291673	7,605932	7,081324	7,195959	6,999838	7,373731	7,092373667	-0,28135733	0,822816521	Zfp526
17290983	4,482075	4,255931	3,966962	4,081957	3,99095	3,788274	4,2349893	3,953727	-0,28126233	0,822870704	Olfr1535
17549236	8,129227	8,216081	7,933801	7,775282	7,839624	7,821026	8,0930363	7,811977333	-0,281059	0,822986688	---
17217169	5,165606	4,378227	4,843232	4,559986	4,324431	4,659667	4,7956883	4,514694667	-0,28099367	0,823023958	Mir135b
17288604	3,823067	3,935239	4,158772	3,716295	3,657251	3,700634	3,9723593	3,691393333	-0,280966	0,823039742	Zdhhc11 // Zdhhc11
17481334	4,44828	4,278662	4,768002	4,429624	4,163723	4,058905	4,4983147	4,217417333	-0,28089733	0,823078916	Dub1
17304336	3,881525	4,413352	3,956986	3,767435	3,881525	3,760711	4,0839543	3,803223667	-0,28073067	0,823174007	---
17200817	7,28085	7,299343	6,868594	6,773751	7,049014	6,783885	7,1495957	6,868883333	-0,28071233	0,823184468	---
17283725	7,87354	7,942955	7,365512	7,355257	7,475444	7,509577	7,7273357	7,446759333	-0,28057633	0,823262072	Clmn
17276664	7,346903	6,703051	7,256222	7,108434	6,696112	6,659925	7,1020587	6,821490333	-0,28056833	0,823266637	---
17428441	6,110123	5,866303	5,664662	5,570429	5,729863	5,499108	5,8803627	5,5998	-0,28056267	0,82326987	Cyp4x1
17408008	4,925094	5,137546	5,329479	4,867341	4,831993	4,85116	5,1307063	4,850164667	-0,28054167	0,823281854	Hist2h2ab // Hist2h2ab
17230055	5,021976	5,627894	5,218164	5,021955	4,975815	5,029049	5,2893447	5,008939667	-0,280405	0,823359847	---
17320571	5,197578	5,323676	5,429221	4,893147	5,180269	5,035893	5,316825	5,036436333	-0,28038867	0,823369169	Syt10
17313100	9,217257	9,464824	9,414299	9,139729	8,923222	9,192383	9,36546	9,085111333	-0,28034867	0,823391998	Atf4
17548786	5,502531	6,293988	6,262715	5,91326	6,299655	5,005645	6,0197447	5,73952	-0,28022467	0,823462772	LOC100862051 // LOC100862051
17545078	8,877929	8,90016	8,713315	8,55387	8,26063	8,836381	8,830468	8,550293667	-0,28017433	0,823491502	Ammecr1
17537112	7,335499	7,258668	7,099173	7,017354	6,882853	6,952766	7,2311133	6,950991	-0,28012233	0,823521184	Lpar4
17381774	5,99789	5,92283	6,108082	5,585703	5,839881	5,763129	6,0096007	5,729571	-0,28002967	0,823574082	C1ql3
17399952	4,847075	5,01361	5,060682	4,894221	4,537129	4,649988	4,973789	4,693779333	-0,28000967	0,823585499	Flg
17284593	4,100472	4,133684	4,219723	3,629627	3,783996	4,200266	4,151293	3,871296333	-0,27999667	0,82359292	---
17261710	7,953076	7,936642	8,092293	7,613745	7,664174	7,864628	7,9940037	7,714182333	-0,27982133	0,823693019	Ccdc99
17299962	3,419894	3,453525	3,161893	3,018262	3,150428	3,027549	3,345104	3,065413	-0,279691	0,823767435	---
17289466	7,75875	7,609533	7,716532	7,2102	7,420179	7,615566	7,6949383	7,415315	-0,27962333	0,823806073	Smn1
17201431	3,773955	3,848274	3,616863	3,248674	3,656024	3,495791	3,746364	3,466829667	-0,27953433	0,823856895	---
17307428	4,901779	5,018218	5,239129	4,567326	4,887949	4,865323	5,053042	4,773532667	-0,27950933	0,823871172	---
17257960	4,428437	3,773413	3,469921	3,597926	3,408998	3,826631	3,8905903	3,611185	-0,27940533	0,823930564	---
17325367	3,859775	3,671596	4,02512	3,683867	3,483624	3,551031	3,8521637	3,572840667	-0,279323	0,823977587	---
17470636	4,233253	3,961887	3,91309	3,694433	4,218961	3,356874	4,0360767	3,756756	-0,27932067	0,823978919	Vmn2r20
17370124	7,446131	7,283947	7,232042	7,186699	6,848658	7,089172	7,3207067	7,041509667	-0,279197	0,824049553	D730039F16Rik
17548230	5,5617	5,817993	5,61955	5,245234	5,44661	5,469935	5,6664143	5,387259667	-0,27915467	0,824073734	Srsf6 // Srsf6
17205463	4,559391	5,103765	4,671082	4,437134	4,408352	4,651496	4,7780793	4,498994	-0,27908533	0,824113338	---
17314452	3,722749	4,065391	3,731504	3,726579	3,536398	3,419565	3,8398813	3,560847333	-0,279034	0,824142662	Gm19442
17333889	4,363694	4,373572	4,320157	3,994031	4,298566	3,928432	4,3524743	4,073676333	-0,278798	0,824277489	Gm7732 // 4930488N24Rik
17507036	3,082192	3,134526	2,992565	2,788879	2,830029	2,754255	3,069761	2,791054333	-0,27870667	0,824329673	---
17270189	6,42341	6,119378	6,152638	5,723215	6,111916	6,024306	6,2318087	5,953145667	-0,278663	0,824354624	---
17519778	6,884656	7,27494	6,935384	6,474628	7,065073	6,719867	7,03166	6,753189333	-0,27847067	0,82446453	LOC100862063
17209703	6,363768	6,87154	6,189026	6,233036	5,791483	6,564496	6,474778	6,196338333	-0,27843967	0,824482246	---
17203755	4,870193	4,462122	4,482978	4,187627	4,799638	3,992737	4,6050977	4,326667333	-0,27843033	0,82448758	---
17255312	3,438883	4,287643	3,853615	3,559089	3,556921	3,629144	3,860047	3,581718	-0,278329	0,824545493	---
17494111	5,111319	4,977272	5,151917	4,654041	4,707684	5,044301	5,0801693	4,802008667	-0,27816067	0,824641707	Olfr551
17316369	4,116345	4,539979	4,184713	3,914845	3,981106	4,111252	4,2803457	4,002401	-0,27794467	0,824765181	---
17208123	3,687766	3,786876	3,622019	3,152561	3,60012	3,510374	3,698887	3,421018333	-0,27786867	0,82480863	---
17391432	9,135337	9,305352	8,74154	8,623352	8,796651	8,928829	9,060743	8,782944	-0,277799	0,824848461	---
17459769	4,642496	3,984261	4,473543	3,980316	3,900576	4,386159	4,3667667	4,089017	-0,27774967	0,824876667	Reg1
17267499	3,553979	3,483257	3,362922	3,075639	3,331956	3,159368	3,4667193	3,188987667	-0,27773167	0,824886959	---
17206515	6,40336	6,984237	7,089283	6,444354	6,466343	6,733019	6,8256267	6,547905333	-0,27772133	0,824892867	---

17394940	5,481442	5,216248	5,297445	5,218704	5,234473	4,708835	5,3317117	5,054004	-0,27770767	0,824900681	---	
17247944	3,855311	4,027538	3,675882	3,547431	3,475262	3,703132	3,8529103	3,575275	-0,27763533	0,824942041	Mir216a	
17519782	7,534582	8,050509	7,886111	7,464319	7,541828	7,632304	7,823734	7,546150333	-0,27758367	0,824971585	LOC100862068	
17487964	6,085253	5,97945	6,10459	6,147036	5,566226	5,623443	6,056431	5,778901667	-0,27752933	0,825002655	Ceacam2	
17462602	3,632524	4,725449	3,788273	4,405427	3,309125	3,599331	4,0487487	3,771294333	-0,27745433	0,825045544	Gm10319	
17354164	5,549242	5,337951	5,080717	4,934786	5,313027	4,88785	5,3226367	5,045221	-0,27741567	0,825067657	Gm94	
17340135	9,591567	9,735294	9,765466	9,864664	8,960948	9,434565	9,6974423	9,420059	-0,27738333	0,825086149	Slc3a1	
17203521	5,35216	5,636202	5,271638	5,617418	5,015786	4,795042	5,42	5,142748667	-0,27725133	0,825161644	---	
17547484	5,369155	6,136497	6,216041	5,346992	6,19536	5,347776	5,907231	5,630042667	-0,27718833	0,825197678	Gm17361	
17208571	4,651879	3,659773	3,536486	3,32912	3,556054	4,13168	3,9493793	3,672284667	-0,27709467	0,825251255	---	
17548279	7,254299	7,363413	7,334335	6,836697	6,91601	7,368103	7,317349	7,04027	-0,277079	0,825260217	Mrps16 // Mrps16	
17318794	5,92822	5,687066	5,874533	5,69358	5,561219	5,40379	5,8299397	5,552863	-0,27707667	0,825261552	Apol7c	
17428477	6,657928	6,819212	6,606667	6,26054	6,473758	6,51867	6,6946023	6,417656	-0,27694633	0,82533611	Cyp4b1	
17550484	5,389433	5,267478	5,637729	5,286518	5,082364	5,094955	5,4315467	5,154612333	-0,27693433	0,825342975	---	
17376672	4,153017	4,237621	4,299502	3,773549	4,150521	3,935471	4,2300467	3,953180333	-0,27686633	0,825381877	---	
17322733	3,594168	3,360934	3,330238	3,400247	2,910352	3,144481	3,4284467	3,151693333	-0,27675333	0,825446528	---	
17341080	7,939518	8,12726	7,421704	7,572309	7,587016	7,499151	7,829494	7,552825333	-0,27666867	0,825494972	Thbs2	
17299804	8,140915	8,228424	8,03653	7,762445	8,023306	7,790218	8,1352897	7,858656333	-0,27663333	0,82551519	---	
17202573	4,237507	3,819161	4,280604	3,854655	3,693726	3,959151	4,112424	3,835844	-0,27658	0,825545708	---	
17536195	3,85881	3,164356	3,492473	3,212464	3,239093	3,234392	3,505213	3,228649667	-0,27656333	0,825555245	Samt3	
17384442	10,1676	10,2143	9,976976	9,764841	9,938572	9,825994	10,119625	9,843135667	-0,27648967	0,8255974	---	
17374984	5,270056	5,213404	5,038085	4,623286	4,969973	5,098835	5,1738483	4,897364667	-0,27648367	0,825600834	Pla2g4b	
17202541	5,223701	6,589738	6,420228	5,565279	5,778597	6,060525	6,077889	5,801467	-0,2764222	0,825636124	---	
17392801	4,764913	4,392345	5,179756	4,541117	4,349486	4,617186	4,7790047	4,502596333	-0,27640833	0,825643946	---	
17257756	3,8197	3,911651	3,746617	3,636175	3,57798	3,434838	3,8259893	3,549664333	-0,2763325	0,825691638	---	
17391329	5,191952	5,330061	5,41343	5,14484	4,966841	4,995001	5,3118143	5,035560667	-0,27625367	0,825732465	Mrps5 // Mrps5	
17291005	9,977407	10,18799	10,33525	9,939813	9,877061	9,85533	10,166882	9,890734667	-0,27614767	0,825793137	Hist1h1b	
17434623	5,709793	5,400239	5,084588	5,147936	5,274193	4,944068	5,3982067	5,122065667	-0,2761441	0,825796953	9330182L06Rik	
17333342	6,91968	7,189996	6,790496	6,727841	6,593243	6,751059	6,966724	6,690714333	-0,27600967	0,825872131	Tcp1	
17340397	8,511135	8,478722	8,241899	7,884424	8,107339	8,411982	8,4105853	8,134581667	-0,27600367	0,825875566	Nanp	
17299849	5,985623	5,876589	5,980342	5,715539	5,681677	5,617524	5,947518	5,67158	-0,275938	0,825913158	Trav12-2 // Trav12-2	
17299926	5,985623	5,876589	5,980342	5,715539	5,681677	5,617524	5,947518	5,67158	-0,275938	0,825913158	Trav12-2 // Trav12-2	
17201277	4,095555	4,197604	4,329174	4,083145	3,952867	3,758521	4,2074443	3,931511	-0,27593333	0,825915829	---	
17400987	3,175358	3,108679	3,325449	2,945755	2,919485	2,916531	3,203162	2,927257	-0,275905	0,82593205	---	
17210021	3,768525	2,989217	4,113689	3,373332	3,376552	3,29393	3,6238103	3,347938	-0,27587233	0,825950752	---	
17427414	10,87032	10,79323	10,88073	10,68009	10,46607	10,57114	10,848093	10,57243333	-0,27566	0,826072322	Cyp2j5 // Cyp2j5	
17438319	7,526827	6,697197	7,367889	7,055909	6,799585	6,909667	7,1973043	6,921720333	-0,2755845	0,82611584	---	
17334158	5,150805	5,036168	5,024778	4,813396	4,74478	4,826947	5,0705837	4,795041	-0,275554267	0,826139509	Prss21	
17274294	10,38705	10,79713	10,72268	10,30537	10,31754	10,45758	10,63562	10,36016333	-0,27545667	0,826188757	Odc1	
17393192	7,389136	7,512188	7,726011	7,197654	7,386223	7,217468	7,542445	7,267115	-0,27533	0,826261299	Eif2s2	
17277382	5,58211	5,612191	5,904988	5,149411	5,530298	5,593862	5,699763	5,424523667	-0,27523933	0,826313227	Fam164c	
17493145	4,601169	4,528559	4,744454	4,290939	4,54288	4,214781	4,6247273	4,349533333	-0,2751945	0,826339192	Folh1	
17540366	5,143085	4,72545	4,978078	5,274639	3,834164	4,912524	4,948871	4,673775667	-0,27509533	0,826395708	---	
17494499	5,303232	5,039142	5,469099	5,55424	4,463277	4,968761	5,270491	4,995426	-0,2750565	0,826413084	Gm4972	
17347440	5,616939	5,192814	5,704479	5,193701	5,280585	5,215354	5,504744	5,22988	-0,274864	0,82652823	4930429F11Rik	
17249851	7,224223	7,355288	7,443506	6,843671	7,02731	7,327846	7,3410057	7,066275667	-0,27473	0,826605003	Gm12238	
17287891	6,640654	7,065793	6,627301	6,466368	6,489697	6,553597	6,777916	6,503220667	-0,27469533	0,826624865	Hnrnpk // Hnrnpk	
17207137	4,835042	5,082942	5,366038	5,021255	4,959107	4,4798	5,094674	4,820054	-0,27462	0,82666803	---	
17489997	4,398685	3,939047	3,710173	3,801639	3,578637	3,843915	4,0159683	3,741397	-0,27457133	0,826695917	Vmn2r57	
17206167	5,974613	5,745445	6,220136	5,762691	6,021453	5,332388	5,9800647	5,705510667	-0,2745554	0,82670585	---	
17208271	5,990473	4,993658	6,196961	4,927314	5,984823	5,445307	5,7270307	5,452481333	-0,27454933	0,826708524	---	
17260236	4,902089	4,735437	5,172318	4,661215	4,743081	4,582003	4,9366147	4,662099667	-0,2745115	0,826728198	Myl7	
17454043	6,256419	6,071621	6,344664	5,74652	6,100727	6,001925	6,2242347	5,949724	-0,27451067	0,826730681	Pop7	
17546570	3,802287	4,421134	4,124928	3,588368	4,259945	3,676668	4,1161163	3,841660333	-0,2744456	0,826762008	---	
17392366	4,654294	4,630002	4,754441	4,453501	4,324789	4,437197	4,679579	4,405162333	-0,27441667	0,826784549	---	
17514623	7,015756	6,825503	6,861762	6,587708	6,731783	6,560593	6,901007	6,626694667	-0,27431233	0,826844343	Trpc6	
17439045	7,418775	7,982315	7,987964	7,698384	7,425979	7,441968	7,7963513	7,522110333	-0,274241	0,826885227	Thap6	
17505907	5,182311	4,643996	4,71297	4,593295	4,638401	4,484869	4,8464257	4,572188333	-0,27423733	0,826887329	Dynlrb2	
17517105	8,119194	8,331863	7,793736	7,577952	7,834918	8,009345	8,0815977	7,807405	-0,27419267	0,82691293	Il18	
17291057	10,43133	10,4994	10,6285	10,42495	10,25528	10,05651	10,519743	10,24558	-0,27416333	0,826929743	Hist1h2ag	
17200711	5,468902	5,428938	5,961455	4,960885	4,687237	6,38877	5,619765	5,345630667	-0,27413433	0,826946366	---	
17207785	4,940738	5,049675	5,56387	4,987084	5,292118	4,452746	5,184761	4,910649333	-0,27411167	0,826959358	---	
17358103	8,096688	7,785378	7,738977	7,639213	7,66094	7,49869	7,873681	7,599614333	-0,27406667	0,826985153	Aldh1a1	
17521141	3,94631	3,937842	3,764715	3,406588	3,659495	3,760722	3,8829557	3,608935	-0,27402067	0,827011521	Glyctk // Glyctk	
17464303	8,311641	7,869287	7,824749	7,695767	7,71682	7,771121	8,0018923	7,727902667	-0,27398967	0,827029292	Med21	
17209551	5,91927	5,209177	5,197575	5,23655	4,625123	5,642781	5,4420073	5,168151333	-0,273856	0,82710592	---	
17324675	10,13979	10,38499	10,29254	10,20113	9,794451	10,0005	10,27244	9,998693667	-0,27374633	0,827168795	---	
17348677	3,71285	3,349446	3,898626	3,259196	3,401217	3,479319	3,6536407	3,379910667	-0,27373	0,82717816	---	
17207643	5,150602	4,933217	5,461838	4,871519	4,841772	5,011242	5,1818857	4,908177667	-0,273708	0,827190774	---	
17202917	4,795821	4,513563	4,200225	4,356897	3,661384	4,670237	4,503203	4,229506	-0,273697	0,827197081	---	
17320322	5,959567	5,970691	5,871818	5,576061	5,610104	5,794884	5,9340253	5,660349667	-0,27367567	0,827209313	Mapk11	
17507904	6,197981	5,990962	6,38533	5,803613	6,04399	5,905857	6,1914243	5,91782	-0,27360433	0,827250215	---	
17207805	4,722287	4,416424	4,691306	4,382552	4,358117	4,269024	4,6100057	4,336564333	-0,27344133	0,827343686	---	
17219758	4,233065	4,635499	4,353919	3,95241	4,209474	4,240345	4,4074943	4,134076333	-0,273418	0,827357067	Olfr248	
17392644	4,812156	5,014485	4,687582	4,534985	4,654436	4,504649	4,8380743	4,56469	-0,27338433	0,827376374	Zfp937 // Zfp937	
17424929	5,838023	5,794291	5,614493	5,333428	5,686551	5,406984	5,7489357	5,475654333	-0,27328133	0,827435446	---	
17547678	5,239981	5,043752	5,22183	4,732695	5,133937	4,819232	5,168521	4,895288	-0,273233	0,827463167	BC106175	
17331792	4,0594	3,963729	3,94652	3,7779	3,679919	3,692837	3,989883	3,716885333	-0,27299767	0,827598155	---	
17446349	4,282653	4,014207	4,024135	3,821515	3,990001	3,690526	4,1069983	3,834014	-0,27298433	0,827605803	---	
17201631	3,235475	3,617119	3,343412	2,98727	3,259727	3,130107	3,3986687	3,125701333	-0,27296733	0,827615555	---	
17208725	4,047015	3,600963	4,010626	4,143036	3,407313	3,289561	3,8862013	3,613303333	-0,272898	0,82765533	---	
17397740	4,42356	4,467243	4,709542	4,177861	4,32151	4,282647	4,5334483	4,260672667	-0,27277567	0,827725514	Mab21l1	
17300177	3,978822	3,273018	3,995196	3,174551	3,602498	3,651848	3,749012	3,476299	-0,272713	0,827761469	---	
17432582	4,149579	4,299635	3,968465	4,110416	3,811214	3,678123	4,1392263	3,866584333	-0,272642	0,827802207	Gm13178	
17205741	6,772494	6,847279	7,020037	7,246345	5,855071	6,72056	6,8799367	6,607325333	-0,27261133	0,827819803	---	
17457967	4,772723	4,645208	4,848221	4,657489	4,469808	4,321215	4,755384	4,482837333	-0,27254667	0,82785691	Olfr453	
17333913	4,984587	4,965661	5,15288	4,698142	4,696802	4,89074	5,034376	4,761894667	-0,27248133	0,827894401	Zfp54	
17397419	3,202485	3,401897	3,520609	3,056612	3,161713	3,089334	3,374997	3,102553	-0,272444	0,827915825	---	
17205875	4,842217	5,541871	5,380659	4,760246	5,387797	4,799435	5,2549157	4,982492667	-0,272423	0,827927876	---	
17357906	4,130001	3,52803	3,335827	3,555096	3,322743	3,298867	3,6646193	3,392235333	-0,272384	0,827950258	Olfr1461	
17248472	3,753623	3,717539	4,042583	3,568312	3,461821	3,666566	3,837915	3,565566333	-0,27234867	0,827970535	---	
17357969	5,868973	5,979105	5,894109	5,785841	5,472443	5,666938	5,9140623	5,641740667	-0,27232167	0,827986031	E030024N20Rik	
17475211	7,119167	7,623431	7,132938	7,243382	6,526515	7,288682	7,2918453	7,019526333	-0,272319	0,827987561	---	
17449800	7,565047	7,525761	7,208355	7,007064	7,153708	7,321727	7,4330543	7,160833	-0,27222133	0,828043616	Sowahb	
17285438	8,335641	8,652486	8,403941	8,2577	8,122192	8,195668	8,4640227	8,191853333	-0,27216933	0,828073462	Inhba	
17530292	9,073044	9,188985	8,858799	8,892267	8,600506	8,811756	9,040276	8,768176333	-0,27209967	0,82811345	---	
17345134	5,563173	5,205867	5,827152	5,050826	5,503761	5,225855	5,532064	5,260147333	-0,27191667	0,8282185	Runx2	
17336036	5,94222	6,101653	6,287532	5,60626	5,876706	6,032759	6,1104683	5,838575	-0,27189333	0,828231895	Zfp472	
17455127	11,92287	12,10896	12,17562	11,87829	11,66842	11,84552	12,06915	11,79741	-0,27174	0,828319926	Cyp3a41b	
17255558	6,111089	6,078799	6,338685	5,773063	5,902894	6,037633	6,176191	5,90453	-0,271661	0,828365285	Hoxb9	
17202247	6,503492	5,844683	6,624807	6,420323	5,61459	6,123152	6,3243273	6,052688333	-0,271639	0,828377917	---	
17203531	4,699902	4,792152	4,893477	4,874188	4,58676	4,109747	4,795177	4,523565	-0,271612	0,82839342	---	
17233323	5,700515	5,885	5,66414	5,411466	5,142548	5,880968	5,749885	5,478327333	-0,27155767	0,828424619	Pln	
17208057	4,807067	6,443876	5,706357	5,224879	5,630226	5,287623	5,6524333	5,380909333	-0,271524	0,828443951	---	
17213490	5,886201	5,91959	5,964336	5,699763	5,642243	5,613572	5,9233757	5,651859333	-0,27151633	0,828448354	Icos	
17291026	4,359013	4,218905	3,95737	3,749326	3,952929	4,018849	4,1784293	3,907034667	-0,27139467	0,828518222	Mir1983 // Mir1983	
17544618	4,712062	4,205183	4,323629	4,121412	4,290154	4,015331	4,4136247	4,142299	-0,27132567	0,828557849	Tceal6	
17405985	8,67878	8,665322	8,365859	8,16373	8,364108	8,368281	8,569987	8,298706333	-0,27128067	0,828583693	Pdcd10	
17283863	4,880362	4,741439	5,165891	4,509313	4,703611	4,760979	4,9292307	4,657967667	-0,271263	0,82859384	4930465M20Rik	
17434324	6,403969	6,285439	6,3108	5,968584	5,953912	6,264012	6,3334027	6,062169333	-0,27123333	0,828610879	1700109H08Rik	
17550621	5,791364	5,96484	5,904947	5,32567	5,863275	5,658908	5,8870503	5,615951	-0,27109933	0,828687845	---	
17350916	9,751191	10,22406	9,567876	9,408643	9,647429	9,67392	9,847709	9,576664	-0,271045	0,828719055	Gm4951	
17386442	3,998891	3,464716	3,807964	3,364864	3,698988	3,394702	3,7571903	3,486184667	-0,27100567	0,828741649	---	
17466530	11,11496	11,37363	11,35788	10,93204	11,08943	11,01202	11,282157	11,01116333	-0,27099333	0,828748734	Rny1 // Rny1	
17544269	3,75411	4,054801	3,485393	3,573776	3,454185	3,453525	3,764768	3,493828667	-0,27093933	0,828779755	---	
17207285	4,842718	4,182851	5,316826	4,529495	4,39497	4,605155	4,7807983	4,509873333	-0,270925	0,828787989	---	
17427759	4,01159	4,224054	4,117119	3,936534	3,724452	3,879099	4,1175877	3,846695	-0,27089267	0,828806564	---	
17259515	6,712792	7,390926	7,202326	6,730617	6,920061	6,842772	7,1020147	6,83115	-0,27086467	0,828822649	---	
17341998	8,017242	7,324142	7,049972	6,778168	7,127874	7,672805	7,4637853	7,192949	-0,27083633	0,828838927	---	
17441622	6,549297	6,381527	6,586192	5,901093	6,419565	6,384107	6,505672	6,234921667	-0,27075033	0,828888336	---	
17517344	6,814466	6,797552	6,936501	6,520792	6,859731	6,356409	6,8495063	6,578977333	-0,270529	0,829015511	---	
17514914	3,152396	3,368155	2,968614	2,782912	2,968525	2,926314	3,163055	2,892583667	-0,27047133	0,829048649	Olfr834	
17218618	7,049682	7,243836	7,359516	6,775074	7,02509	7,041724	7,217678	6,947296	-0,270382	0,829099986	Gm6177	
17207155	4,218333	4,351281	4,835903	3,889671	4,08531	4,619398	4,4685057	4,198126333	-0,27037933	0,829101518	---	
17414266	3,664326	3,405808	3,597536	3,317567	3,308085	3,230885	3,55589	3,285512333	-0,27037767	0,829102476	---	
17283565	10,846	11,18619	10,93713	10,70744	10,754	10,69681	10,989773	10,71941667	-0,27035667	0,829114545	Serpina10	
17330945	7,199886	7,557419	7,414974	6,723674	7,265862	7,371742	7,3907597	7,120426	-0,27033367	0,829127763	---	
17516278	4,687494	3,819617	3,698507	4,000247	3,738053	3,656621	4,0685393	3,798307	-0,27023233	0,829186002	Olfr965	
17327479	5,817614	5,438899	5,614362	5,368026	5,348572	5,343696	5,623625	5,353431333	-0,27019367	0,829208226	Gm15340	
17328185	5,58828	5,830503	5,845039	5,983567	5,139681	5,33011	5,7546073	5,484452667	-0,27015467	0,829230642	---	
17429307	6,346289	6,341325	6,670691	6,159192	6,156483	6,23221	6,4527683	6,182628333	-0,27014	0,829239072	Slc2a1	
17201421	3,193337	3,202352	3,883587	3,237293	3,028871	3,202731	3,4264253	3,156298333	-0,270127	0,829246544	---	
17319205	6,804591	6,928925	6,628846	6,616137	6,186626	6,749349	6,787454	6,517370667	-0,27008333	0,829271644	Mir1943	
17550042	6,804591	6,928925	6,628846	6,616137	6,186626	6,749349	6,787454	6,517370667	-0,27008333	0,829271644	---	

17293813	6,00452	6,62488	5,809685	5,962276	5,95051	5,716174	6,1463617	5,87632	-0,27004167	0,829295594	LOC100861733
17451618	5,108981	5,215307	5,305694	4,670573	5,243858	4,905697	5,209994	4,940042667	-0,26995133	0,829347522	---
17494785	6,952807	6,54083	6,415411	6,51229	6,118422	6,468805	6,6363493	6,366505667	-0,26984367	0,829409417	Olfr484
17207343	6,218045	6,467831	6,713406	6,159918	6,124532	6,305417	6,4664273	6,196622333	-0,269805	0,829431647	---
17494148	3,423369	3,407177	3,818205	3,111659	3,396308	3,331595	3,5495837	3,279854	-0,26972967	0,829474959	---
17210073	5,372655	6,440574	5,514146	5,628888	5,438252	5,451104	5,7757917	5,506081333	-0,26971033	0,829486075	---
17460583	9,257833	9,618731	9,448505	9,027966	9,218818	9,269177	9,4416897	9,171987	-0,26970267	0,829490483	---
17264036	10,56634	10,8043	10,78661	10,30631	10,51536	10,52648	10,719083	10,44938333	-0,2697	0,829492016	Ubb // Ubb
17543623	3,064013	2,906423	3,119306	2,719427	2,781774	2,779487	3,029914	2,760229333	-0,26968467	0,829500832	---
17265765	5,879323	5,592123	5,613785	5,468689	5,69797	5,109548	5,695077	5,425402333	-0,26967467	0,829506582	Olfr75-ps1
17205975	6,014828	6,118996	5,449462	5,440839	5,572718	5,760978	5,8610953	5,591511667	-0,26958367	0,829558906	---
17255157	7,94756	7,680013	7,515957	7,499937	7,307518	7,527583	7,71451	7,445012667	-0,26949733	0,829608549	Nme1 // Nme1
17205263	5,036091	5,482902	5,471807	5,25453	5,132448	4,79541	5,3302667	5,060796	-0,26947067	0,829623884	---
17209453	5,036091	5,482902	5,471807	5,25453	5,132448	4,79541	5,3302667	5,060796	-0,26947067	0,829623884	---
17387908	3,604136	3,4626	3,491512	3,000274	3,380821	3,368853	3,519416	3,249982667	-0,26943333	0,829645353	Olfr1225
17481258	4,886461	5,00375	4,856326	4,530252	4,818966	4,589323	4,9155123	4,646180333	-0,269332	0,829703628	Olfr646
17343065	3,998892	4,115716	3,998853	4,010492	3,460702	3,834724	4,0378203	3,768639333	-0,269181	0,829790474	Tmem217
17202753	6,051266	5,678718	5,889287	5,619815	5,881774	5,310492	5,8730903	5,604027	-0,26906333	0,829858155	---
17477774	5,824582	5,67393	5,740112	5,4814	5,453618	5,496715	5,746208	5,477244333	-0,26896367	0,829915486	Hrc
17470663	4,496997	4,626136	4,672802	4,146957	4,452805	4,38942	4,598645	4,329727333	-0,26891767	0,829941948	---
17469599	5,445192	5,186106	5,214495	5,026127	4,940777	5,072189	5,281931	5,013031	-0,2689	0,829952111	Arl8b // Arl8b
17331278	4,229183	3,915893	3,794601	3,633276	4,089642	3,410121	3,9798923	3,711013	-0,26887933	0,829964001	Olfr209
17408011	9,955184	10,10163	10,28218	9,859817	9,878599	9,794257	10,112998	9,844224333	-0,26877367	0,830024792	Hist2h2ac
17387826	4,107018	4,086456	3,965359	3,751383	3,551184	4,049964	4,0529443	3,784177	-0,26876733	0,830028435	---
17207501	4,688224	4,304318	4,439323	4,139199	4,058067	4,428494	4,4772883	4,208586667	-0,26870167	0,830066216	---
17210593	5,109779	4,117345	4,023289	4,495572	3,882602	4,066145	4,4168043	4,148106333	-0,268698	0,830068326	---
17317278	5,368343	5,424301	5,630075	5,03385	5,373813	5,209134	5,4742397	5,205599	-0,26864057	0,830101314	Klhl38
17466140	5,467815	5,199988	4,962824	4,694064	4,830341	5,300303	5,210209	4,941569333	-0,26863967	0,830101889	---
17520171	4,687747	4,761858	4,399642	4,392014	4,328706	4,322609	4,6164157	4,347776333	-0,26863933	0,830102081	Bcl2a1b
17431746	4,278763	3,995118	4,350665	4,031023	3,855352	3,932531	4,208182	3,939635333	-0,26854667	0,830155402	---
17355556	5,103646	4,873885	5,13503	4,820963	4,661455	4,824508	5,0375203	4,768975333	-0,268545	0,830156361	---
17276251	10,19579	10,3162	10,41145	9,938921	10,28788	9,891043	10,307813	10,03928133	-0,268532	0,830163841	---
17366213	3,533592	3,747169	3,590167	3,428194	3,257876	3,379503	3,6236427	3,355191	-0,26845167	0,830210068	---
17277504	5,572522	5,616361	5,416677	5,353401	5,092154	5,354788	5,5351867	5,266781	-0,26840567	0,83023654	Esrrb
17487737	6,729063	6,632448	6,783566	6,554524	6,519874	6,265808	6,7150257	6,446735333	-0,26829033	0,830302914	Lypd3
17201407	2,9792	3,504163	3,489032	2,997851	3,206417	2,963271	3,3241317	3,055846333	-0,26828533	0,830305792	---
17486549	5,870368	5,666222	5,606525	5,546197	5,183641	5,608604	5,7143717	5,446147333	-0,26822433	0,830340899	Vmn2r55
17278496	3,834382	4,05817	4,011623	3,560673	3,917973	3,621061	3,9680583	3,699902333	-0,268156	0,830380229	1700013N06Rik
17537333	4,343513	4,106837	4,476766	4,106255	3,927929	4,088724	4,3090387	4,040969333	-0,26806933	0,830430114	4930555B12Rik
17467986	5,240189	4,902711	4,511091	4,864761	4,535858	4,44945	4,8846637	4,616689667	-0,267974	0,830484991	---
17208087	6,030604	4,694382	5,547553	5,699203	5,207028	4,562646	5,4241797	5,156292333	-0,26788733	0,830534882	---
17383369	5,570166	5,298652	5,437859	5,16716	4,988748	5,347184	5,435559	5,167697333	-0,26786167	0,830549658	---
17337966	4,772182	4,811443	5,208262	4,657077	4,585196	4,74603	4,930629	4,662767667	-0,26786133	0,83054985	F630040K05Rik
17508984	4,579871	5,056297	4,472958	4,512867	4,533493	4,259206	4,703042	4,435188667	-0,26785333	0,830554455	---
17293244	8,48785	8,467905	7,997296	7,86906	8,15401	8,126847	8,3176837	8,049972333	-0,26771133	0,830636208	---
17380838	3,565978	3,595242	3,653473	3,069905	3,497076	3,444689	3,6048977	3,337223333	-0,26767433	0,830657511	---
17209901	5,598002	4,315033	4,537863	4,327482	5,063751	4,256677	4,816966	4,549303333	-0,26766267	0,830664229	---
17366012	7,141336	6,89054	6,940151	6,64043	6,761716	6,767763	6,9906757	6,723303	-0,26737267	0,830831219	4930506M07Rik
17204449	4,144273	4,614703	4,015289	4,257343	4,122986	3,591909	4,2580883	3,990746	-0,26734233	0,830848688	---
17290418	4,871888	4,921501	5,066998	4,382913	4,988061	4,687548	4,9534623	4,686174	-0,26728833	0,830879787	---
17362915	4,603234	4,239536	4,622909	4,124025	4,155724	4,384067	4,4885597	4,221272	-0,26728767	0,830880171	---
17200127	7,031338	6,643262	7,357047	7,2864	6,354492	6,588932	7,010549	6,743274667	-0,26727433	0,83088785	---
17202465	5,530803	5,623369	6,16909	5,097383	6,029415	5,394713	5,7744207	5,507170333	-0,26725033	0,830901673	---
17209697	6,217612	6,015467	6,022138	5,494682	5,940059	6,018795	6,0850723	5,817845333	-0,267227	0,830915111	---
17445458	5,738526	5,929027	5,845753	5,462355	5,820357	5,429102	5,8377687	5,570604667	-0,267164	0,830951397	---
17384567	4,032725	3,618201	3,717898	3,418746	3,62916	3,51964	3,789608	3,522515333	-0,26709267	0,830992484	Olfr355
17504361	4,779549	4,25709	4,499324	4,441251	4,242843	4,050618	4,5119877	4,244904	-0,26708367	0,830997668	4930513N10Rik
17411399	3,337027	3,237811	3,068393	2,973238	2,866648	3,002278	3,2144103	2,947388	-0,26702233	0,831032997	---
17334869	7,773373	7,677261	7,662341	7,254615	7,403752	7,653695	7,704325	7,437354	-0,266971	0,831062567	Axin1
17265806	4,969567	4,916949	5,399491	4,989106	4,585805	4,910305	5,0953357	4,828405333	-0,26693033	0,831085993	Olfr139
17224195	3,985016	3,64239	3,942236	3,642152	3,55301	3,573887	3,8565473	3,589683	-0,26686433	0,831124014	Pinc
17207047	7,130866	6,565552	7,197942	6,518817	6,94261	6,63238	6,9647867	6,697935667	-0,266851	0,831131696	---
17343733	6,47385	6,239107	6,20453	6,134898	6,089967	5,892099	6,305829	6,038988	-0,266841	0,831137457	Mir219-1
17451626	5,067943	5,28372	5,518193	5,199987	5,079043	4,790358	5,289952	5,023129333	-0,26682267	0,831148018	---
17206105	2,921324	3,372592	3,552274	2,883651	2,996264	3,166232	3,2820633	3,015382333	-0,266681	0,831229638	---
17201749	5,078034	5,148441	4,626567	4,478333	4,777692	4,797036	4,951014	4,684353667	-0,26666033	0,831241545	---
17201925	5,078034	5,148441	4,626567	4,478333	4,777692	4,797036	4,951014	4,684353667	-0,26666033	0,831241545	---
17529288	4,175577	3,863939	3,722729	3,635233	3,735492	3,591764	3,9207483	3,654163	-0,26658533	0,831284759	---
17205873	3,998368	3,980788	4,320906	4,04721	3,103977	4,349168	4,1000207	3,833451667	-0,266569	0,831294171	---
17506882	3,997155	3,372462	2,923815	3,262304	3,23445	2,996972	3,431144	3,164575333	-0,26656867	0,831294363	---
17427456	4,276242	4,348178	3,719812	3,754267	3,889416	3,901103	4,114744	3,848262	-0,266482	0,831344302	---
17205825	5,138972	5,331752	4,942384	4,403768	5,093329	5,116778	5,1377027	4,871291667	-0,266411	0,831385217	---
17200991	6,557253	6,803646	7,059279	6,59348	6,622381	6,405109	6,806726	6,540323333	-0,26640267	0,831390019	---
17206885	4,039233	3,656091	4,566916	3,78747	3,518646	4,156936	4,0874133	3,821017333	-0,266396	0,831393861	---
17201253	5,973299	6,675172	6,748675	6,451133	5,809888	6,336994	6,4657153	6,199338333	-0,266377	0,83140481	---
17403806	4,978257	5,073181	4,809271	4,503009	4,704741	4,85409	4,9535697	4,68728	-0,26628967	0,831455141	4922501L14Rik
17531256	3,195807	3,050373	3,559314	3,137245	2,905975	2,963834	3,268498	3,002351333	-0,26614667	0,831537559	---
17353921	3,8891	3,967143	3,829163	3,559413	3,610268	3,71767	3,8951353	3,629117	-0,26601833	0,83161153	---
17431895	7,919743	8,149226	8,130661	7,75589	7,69736	7,948365	8,0665433	7,800538333	-0,266005	0,831619216	Mrto4
17206925	4,510143	3,669679	4,308971	4,059829	4,111412	3,51964	4,162931	3,896960333	-0,26597067	0,831639007	---
17328623	5,61378	5,552387	6,028647	5,524989	5,430331	5,441801	5,7316047	5,465707	-0,26589767	0,831681089	Mir301b
17534480	4,001584	3,73887	3,711791	3,552221	3,446597	3,655847	3,817415	3,551555	-0,26586	0,831702803	Odz1
17226164	3,958925	3,60745	3,820165	3,338865	3,680486	3,56963	3,7955133	3,529660333	-0,265853	0,831706839	---
17324680	8,942089	9,149802	8,945508	8,850776	8,714892	8,674269	9,0124663	8,746645667	-0,26582067	0,831725479	---
17334638	5,918677	5,864749	6,085864	5,983239	5,840611	5,248079	5,95643	5,690643	-0,265787	0,831744888	Prss34
17421791	5,812199	5,428677	6,081326	5,407959	5,696877	5,420266	5,7740673	5,508367333	-0,2657	0,831795047	Ube4b // Ube4b
17391888	6,135922	6,660345	6,030159	5,72305	6,195798	6,110535	6,2754753	6,009794333	-0,265681	0,831806002	Rnf24
17350134	4,80187	5,521722	5,668384	5,091232	5,08036	5,023358	5,3306587	5,064983333	-0,26567533	0,831809269	Pou4f3
17207369	5,760762	5,495258	5,654121	5,320381	5,23194	5,56082	5,6367137	5,371047	-0,26566667	0,831814266	---
17204923	5,002137	4,623902	4,546387	5,071745	3,99065	4,313174	4,724142	4,458523	-0,265619	0,83184175	---
17389277	3,436137	2,967276	3,325073	2,914285	3,03961	2,977949	3,2428287	2,977281333	-0,26554733	0,831883073	Olfr1295
17289516	5,843367	5,876905	6,25466	5,659156	5,562541	5,95715	5,991644	5,726282333	-0,26536167	0,831990138	4933416M06Rik
17201479	7,280429	6,965769	7,430975	6,982384	7,23504	6,663696	7,2257243	6,960373333	-0,265351	0,83199629	---
17474067	5,1586	5,336134	5,282792	5,030287	5,080271	4,871159	5,2591753	4,993905667	-0,26526967	0,832043196	Slc8a2
17299770	6,227988	6,045203	6,372041	6,071146	5,874918	5,903459	6,2150773	5,949841	-0,26523633	0,83206242	---
17210715	3,230292	3,362208	2,879339	2,984408	3,040581	2,651407	3,1572797	2,892132	-0,26514767	0,83211356	---
17210379	6,322928	6,557389	6,401592	6,314855	6,137919	6,033753	6,427303	6,162175667	-0,26512733	0,832125287	---
17548547	5,62424	5,666535	5,536511	5,33449	5,152386	5,545031	5,6090953	5,343969	-0,26512633	0,832125864	Gm19475
17452552	5,886338	5,962782	5,701847	5,502065	5,617338	5,636676	5,8503223	5,585359667	-0,26496267	0,83222027	Rhof
17314619	6,171336	5,736159	5,805712	5,599983	5,387855	5,930505	5,9044023	5,639447667	-0,26495467	0,832224885	Olfr282
17207237	8,299122	8,165035	8,480125	7,836843	8,183331	8,129395	8,3147607	8,049856333	-0,26490433	0,832253921	---
17549222	5,962542	5,655678	5,773102	5,436095	5,490411	5,670346	5,7971073	5,532284	-0,26482333	0,832300649	---
17549310	5,962542	5,655678	5,773102	5,436095	5,490411	5,670346	5,7971073	5,532284	-0,26482333	0,832300649	---
17271133	3,356105	3,807793	3,427287	3,200765	3,23826	3,35769	3,530395	3,265571667	-0,26482333	0,832300649	C330019F10Rik
17209157	4,905806	3,563975	4,300386	4,353762	3,781342	3,84083	4,2567223	3,991978	-0,26474433	0,832346226	---
17548446	10,00345	10,01366	10,13788	9,792333	9,778853	9,789727	10,051663	9,786971	-0,26469233	0,832376227	Ormdl2 // Ormdl2
17387708	3,363821	3,263721	3,476107	2,942738	3,446576	2,920291	3,367883	3,103201667	-0,26468133	0,832382573	Olfr1090
17205947	3,087918	3,346694	3,09489	2,552462	3,17939	3,003618	3,1765007	2,911823333	-0,26467733	0,832384881	---
17206741	4,056411	4,87632	4,704517	4,17685	4,251987	4,415079	4,5457493	4,281305333	-0,264444	0,83251917	---
17467483	5,241522	4,221402	3,788273	4,284509	4,058739	4,114748	4,4170657	4,152665333	-0,26440033	0,832544716	Igkv5-43
17202127	5,375646	4,387482	5,576132	4,547413	4,726563	5,272151	5,1130867	4,848709	-0,26437767	0,832557797	---
17343652	6,738462	6,798849	6,838326	6,301205	6,68771	6,593768	6,791879	6,527561	-0,264318	0,83259223	Kifc1
17548561	10,98759	10,92177	11,17764	10,52826	10,9946	10,77127	11,029	10,76471	-0,26429	0,832608389	Hist4h4
17275330	3,479396	3,951692	3,344756	3,272128	3,381372	3,329571	3,591948	3,327690333	-0,26425767	0,83262705	---
17491626	4,675053	4,450325	4,156835	4,377683	3,88842	4,22439	4,4274043	4,163497667	-0,26390667	0,832829648	---
17254591	6,151423	6,35439	6,35044	6,151131	5,797728	6,115691	6,2854177	6,021516667	-0,263901	0,832832919	Tbx2
17364851	6,28579	6,326338	6,386882	6,109921	6,020686	6,0768	6,3330033	6,069135667	-0,26386767	0,832852162	Loxl4
17544623	6,857063	6,992768	6,745056	6,819145	6,633368	6,350822	6,8649623	6,601111667	-0,26385067	0,832861976	---
17202043	4,72025	5,060313	4,933918	4,801465	4,303781	4,817999	4,904827	4,641081667	-0,26374533	0,832922787	---
17305254	7,409926	7,264217	7,564596	7,123326	7,099008	7,225214	7,412913	7,149182667	-0,26373033	0,832931447	---
17551149	5,093751	4,557323	4,605971	4,346232	4,634176	4,485786	4,7523483	4,488731333	-0,263617	0,832996882	---
17550713	4,741154	4,545364	4,698846	4,443474	4,362803	4,388548	4,661788	4,398275	-0,263513	0,833056932	---
17509357	10,05031	10,46346	10,28499	9,91813	9,949007	10,14113	10,266253	10,00275567	-0,26349767	0,833065786	---
17391453	10,15822	10,40924	10,02863	10,09389	9,66152	10,05033	10,198697	9,935246667	-0,26345	0,833093311	---
17455143	11,81181	12,01033	12,08295	11,79888	11,59526	11,72153	11,968363	11,70522333	-0,26314	0,833272342	Cyp3a41a
17544149	6,906445	7,070744	7,082469	6,63286	6,72503	6,912519	7,019886	6,756803	-0,263083	0,833305265	Hmgn5
17209025	4,632242	5,082669	4,611649	4,27675	4,426515	4,834091	4,77552	4,512452	-0,263068	0,833313929	---
17205563	4,183779	4,826624	4,318992	3,946771	4,528858	4,064892	4,4431317	4,180173667	-0,262958	0,833377468	---
17387353	8,015757	8,66381	8,084977	7,932419	7,795218	8,248507	8,254848	7,992048	-0,2628	0,833468742	Mir684-1
17428184	5,41495	5,41746	5,204255	5,237514	5,005998	5,004933	5,345555	5,082815	-0,26274	0,833503406	---
17291193	6,516314	6,086165	6,958254	6,324606	6,626074	5,82204	6,5202443	6,257573333	-0,262671	0,833543271	---
17494457	3,656197	3,720973	3,511212	3,453757	3,288454	3,358461	3,6294607	3,366890667	-0,26257	0,833601628	Olfr675
17422276	7,131708	7,141238	7,124699	6,86843	6,914928	6,826742	7,1325483	6,870033333	-0,262515	0,833633408	BC046331
17417658	3,219539	3,530945	3,386981	3,123178	3,048771	3,177975	3,379155	3,116641333	-0,26251367	0,833634178	---

17204183	4,090345	4,674049	3,947503	4,36712	3,532455	4,0249	4,237299	3,974825	-0,262474	0,833657099	---	
17207867	5,197813	4,27458	4,839664	4,992651	4,257906	4,27424	4,7706857	4,508265667	-0,26242	0,833688304	---	
17389283	5,702022	5,393318	5,78362	5,684981	4,922761	5,483982	5,62632	5,363908	-0,262412	0,833692927	Olfr1298	
17252847	4,881195	4,854825	5,598245	4,562393	5,111486	4,873169	5,1114217	4,849016	-0,26240567	0,833696586	---	
17233920	8,063332	8,889742	8,145493	8,211378	8,100447	7,999616	8,366189	8,103813667	-0,26237533	0,833714116	Dnajc12	
17514399	6,480965	6,265606	6,3399	6,180186	5,892026	6,227171	6,362157	6,099734333	-0,26236267	0,833721435	Gucy1a2	
17220721	5,21964	5,223471	5,198286	4,949337	4,962425	4,94263	5,213799	4,951464	-0,262335	0,833737424	A430027H14Rik	
17354581	3,66115	3,535062	3,364162	3,012276	3,297528	3,46365	3,5201247	3,257818	-0,26230667	0,833753798	---	
17202853	4,987889	5,467115	5,001981	5,677307	4,165556	4,827296	5,1523283	4,890053	-0,26227533	0,833771906	---	
17549656	5,560167	5,558844	5,087996	5,119337	5,020309	5,280662	5,4023357	5,140102667	-0,262233	0,833796372	---	
17269096	7,319879	7,510281	7,293236	7,053184	7,044552	7,239404	7,3744653	7,11238	-0,26208533	0,833881719	Krt23	
17210823	3,835734	3,251509	4,411266	3,401908	3,289918	4,020456	3,8328363	3,570760667	-0,26207567	0,833887307	---	
17321939	4,94037	5,29907	5,209682	4,671274	5,04831	4,94348	5,1497073	4,887688	-0,26201933	0,833919869	Krt6b	
17328044	7,272278	7,218213	7,514996	7,213216	7,068117	6,938282	7,3351623	7,073205	-0,26195733	0,833955707	---	
17252875	4,246747	4,238329	4,924969	4,568216	3,957933	4,098376	4,470015	4,208175	-0,26184	0,834023535	Ovca2 // Ovca2	
17302271	4,159794	4,245845	4,100254	3,910868	4,135276	3,674268	4,168631	3,906804	-0,261827	0,83403105	Mir759	
17373594	7,984649	6,575485	7,487166	7,541494	6,672933	7,047457	7,3491	7,087294667	-0,26180533	0,834043576	---	
17466827	5,849296	6,078507	6,335226	5,833065	5,939616	5,704966	6,0876763	5,825882333	-0,261794	0,834050128	Hoxa4	
17281094	4,015949	4,093882	4,407966	3,956241	3,950089	3,826143	4,172599	3,910824333	-0,26177467	0,834061305	Gm7550	
17507116	5,787126	5,735335	5,792907	5,511829	5,324102	5,694148	5,7717893	5,510026333	-0,261763	0,83406805	Pcp2	
17411749	7,495735	8,205133	7,599589	7,415977	7,361132	7,738351	7,766819	7,505153333	-0,26166567	0,834124323	Sumo2 // Sumo2	
17495338	5,830593	5,938381	5,678816	5,273749	6,018234	5,370828	5,81593	5,554270333	-0,26165967	0,834127792	Gm6816	
17370369	4,107291	3,339332	3,836025	3,535753	3,306483	3,655556	3,7608827	3,499264	-0,26161867	0,834151498	Olfr365	
17549594	5,637751	5,540709	5,598865	4,826247	5,648465	5,517897	5,5924417	5,330869667	-0,261572	0,83417848	---	
17269181	4,468724	4,477476	4,594516	4,431158	4,047523	4,277331	4,513572	4,252004	-0,261568	0,834180793	Gm11563	
17459332	5,405995	5,466555	5,53914	5,214944	5,199988	5,21218	5,4705633	5,209037333	-0,261526	0,834205078	---	
17234713	3,951381	3,676794	3,624771	3,408113	3,460969	3,599459	3,750982	3,489513667	-0,26146833	0,834238423	Krtap12-1	
17463164	4,201532	3,918843	4,473231	3,99526	3,925689	3,888309	4,1978687	3,936419333	-0,26144933	0,83424941	4930417O13Rik	
17391433	7,19004	7,944595	7,967833	7,961093	7,681977	6,675088	7,7008227	7,439386	-0,26143667	0,834256735	---	
17311807	9,738412	9,845217	9,832436	9,592678	9,594393	9,444895	9,805355	9,543988667	-0,26136633	0,834297407	Sqle	
17420442	9,380869	8,949404	9,051722	8,995829	8,244864	9,357233	9,1273317	8,865975333	-0,26135633	0,83430319	---	
17548769	6,729121	6,317306	6,690594	6,449657	6,225376	6,278081	6,579007	6,317704667	-0,26130233	0,834334418	---	
17319887	6,173968	6,38062	6,342018	6,061645	5,91683	6,134431	6,2988687	6,037635333	-0,26123333	0,834374323	Scube1	
17209811	4,157254	4,33358	3,966952	4,289447	3,771735	3,612951	4,1525953	3,891377667	-0,26121767	0,834383384	---	
17204485	4,543373	3,717271	3,772908	4,479174	3,480487	3,290315	4,011184	3,749992	-0,261192	0,834398228	---	
17377578	5,492933	5,747184	5,832033	5,529704	5,505284	5,253732	5,6907167	5,429573333	-0,26114333	0,834426376	Gm19332	
17298789	3,600017	3,299874	3,550673	3,077448	3,347816	3,24189	3,4835213	3,222384667	-0,26113667	0,834430232	---	
17322478	5,939897	5,578094	6,173803	6,045242	5,336935	5,526212	5,8972647	5,636129667	-0,261135	0,834431196	---	
17205861	6,695174	6,259095	6,695449	6,199365	6,456345	6,210773	6,549906	6,288827667	-0,26107833	0,834463971	---	
17534233	5,762898	5,641233	5,527022	5,22402	5,476504	5,447488	5,6437177	5,382670667	-0,261047	0,834482095	Rhox4c	
17540240	6,149732	6,048284	6,316484	5,981848	5,799376	5,950966	6,1715	5,91073	-0,26077	0,834642332	Mid1ip1 // Mid1ip1	
17411274	6,307521	6,464464	6,397304	6,015426	6,074964	6,296642	6,389763	6,129010667	-0,26075233	0,834652553	2510003D18Rik	
17247898	7,570772	7,65414	7,622637	7,363128	7,273874	7,428659	7,6158497	7,355220333	-0,26062933	0,834723716	Fancl	
17503557	5,948292	5,917654	5,970761	5,729718	5,558232	5,766989	5,945569	5,684979667	-0,26058933	0,83474686	---	
17288697	3,673553	3,599598	3,672496	3,410201	3,549808	3,203878	3,648549	3,387962333	-0,26058667	0,834748403	---	
17547664	5,653524	6,129026	5,865615	5,311887	5,757707	5,796894	5,8827217	5,622162667	-0,260559	0,834764411	Sgpp1 // Sgpp1	
17329036	4,046615	4,069885	4,168718	3,744872	3,766265	3,992422	4,0950727	3,834519667	-0,260553	0,834767883	Olfr168	
17272107	6,687612	6,878181	6,658436	6,358914	6,52035	6,563416	6,7414097	6,480893333	-0,26051633	0,834789099	Unc13d	
17369256	5,786793	5,595191	5,620857	5,571354	5,130198	5,51984	5,6676137	5,407130667	-0,260483	0,834808387	Cstad	
17526271	7,390908	8,191499	7,897169	7,55294	7,381503	7,763825	7,8265253	7,566089333	-0,260436	0,834835584	---	
17202989	6,599955	6,263963	6,559348	6,22161	5,976152	6,444324	6,474422	6,214028667	-0,26039333	0,834860274	---	
17541125	6,129892	6,199266	6,429778	6,109175	6,223402	5,645379	6,2529787	5,992652	-0,26032667	0,834898853	Rhox9	
17222332	6,305115	6,577152	6,203681	6,318809	5,996674	5,989664	6,3619827	6,101715667	-0,260267	0,834933384	Mgat4a	
17201299	5,340281	5,201283	5,584182	5,198033	5,086474	5,060796	5,3752487	5,115101	-0,26014767	0,835002449	---	
17205413	5,260072	4,932705	4,3743	4,64934	4,003752	5,13357	4,8556923	4,595554	-0,26013833	0,835007851	---	
17237074	6,404099	6,268488	6,416667	6,078994	6,183566	6,046497	6,3630847	6,103019	-0,26006567	0,83504991	Gm4340	
17205037	3,105647	3,626319	4,063026	3,21334	2,945126	3,856329	3,5983307	3,338265	-0,26006567	0,83504991	---	
17209227	3,105647	3,626319	4,063026	3,21334	2,945126	3,856329	3,5983307	3,338265	-0,26006567	0,83504991	---	
17514375	5,126401	5,715989	5,231744	5,410526	4,935122	4,94832	5,3580447	5,097989333	-0,26005533	0,835055891	---	
17285680	6,150724	6,492205	6,36229	6,057958	6,0079	6,159668	6,335073	6,075175333	-0,25989767	0,835147156	Hist1h3h	
17207387	3,55084	3,931209	3,488982	2,938333	3,126055	4,126965	3,6570103	3,397117667	-0,25989267	0,83515005	---	
17520162	6,072378	5,609444	5,262162	5,200412	5,722129	5,241778	5,6479947	5,388106333	-0,25988833	0,835152559	Bcl2a1a	
17543474	6,755692	6,906303	6,75305	6,738044	6,189252	6,708202	6,805015	6,545166	-0,259849	0,835175329	P2ry4	
17421105	4,081783	3,996995	4,25458	3,851325	3,649329	4,053164	4,1111193	3,851272667	-0,25984667	0,835176679	AI507597	
17482376	8,121932	7,91569	7,917415	7,89753	7,468908	7,80906	7,9850123	7,725166	-0,25984633	0,835176872	Anks4b	
17255254	3,796495	3,523825	3,7005	3,335796	3,577965	3,327574	3,6736067	3,413778333	-0,25982833	0,835187293	---	
17318967	6,118221	6,614418	6,399529	5,910966	6,29726	6,144614	6,3773893	6,117613333	-0,259776	0,835217589	Gm20024	
17470794	4,155193	4,137178	4,403063	3,849249	3,855119	4,211819	4,2318113	3,972062333	-0,259749	0,835233221	Mir200c	
17206241	6,513399	5,727132	6,051437	6,059793	5,65215	5,800867	6,0973227	5,837603333	-0,25971933	0,835250396	---	
17326180	4,146392	3,800823	4,049389	3,89663	3,651848	3,668972	3,998868	3,73915	-0,259718	0,835251168	---	
17244911	3,574543	3,420459	3,376416	3,147124	3,280336	3,165066	3,4571393	3,197508667	-0,25963067	0,835301731	---	
17411783	5,271616	5,349399	4,996359	4,987894	4,989284	4,861385	5,2057913	4,946187667	-0,25960367	0,835317364	Gxylt1	
17315495	4,976669	4,962822	4,866097	4,518811	4,531992	4,976087	4,935196	4,67563	-0,259566	0,835339173	Hoxc11	
17490061	5,44673	4,804991	5,043838	4,842052	4,735694	4,93915	5,0985197	4,838965333	-0,25955433	0,835345928	Ckap4	
17312223	9,968389	10,55154	10,01709	9,75363	9,958961	10,04615	10,179006	9,919580333	-0,259426	0,835420239	BC025446	
17250698	3,797718	3,889548	3,984143	3,92484	3,533249	3,435207	3,8904697	3,631098667	-0,259371	0,835452088	---	
17205705	5,271256	5,480408	5,519154	4,928214	4,618869	5,945772	5,423606	5,164285	-0,259321	0,835481044	---	
17349220	5,247657	4,695082	5,209489	4,821238	4,939722	4,613338	5,0507427	4,791432667	-0,25931	0,835487414	---	
17549586	3,887367	3,95045	3,938339	3,699156	3,680571	3,618509	3,9253853	3,666078667	-0,25930667	0,835489344	---	
17549856	3,887367	3,95045	3,938339	3,699156	3,680571	3,618509	3,9253853	3,666078667	-0,25930667	0,835489344	---	
17491741	5,148887	3,859212	4,27383	4,080434	4,287658	4,136076	4,4273097	4,168056	-0,25925367	0,835520038	---	
17386514	7,760699	7,679577	7,413704	7,334879	7,13191	7,609684	7,6179933	7,358824333	-0,259169	0,835569073	Gpr155	
17348634	9,230777	9,092017	8,892662	8,786943	8,756107	8,894966	9,0718187	8,812672	-0,25914667	0,835582008	Rsl24d1	
17533093	8,081675	8,13266	8,129285	7,689882	7,743857	8,132588	8,11454	7,855442333	-0,25909767	0,835610388	Slc38a5	
17263174	4,704929	4,285113	4,164141	4,133272	4,166337	4,077432	4,3847277	4,125680333	-0,25904733	0,835639542	2210407C18Rik	
17215376	5,095916	4,889553	5,024064	4,620443	4,850931	4,761446	5,0031777	4,744273333	-0,25890433	0,835722375	Sag	
17524296	5,14787	5,467637	4,89105	4,917857	4,845523	4,966615	5,1688523	4,909998333	-0,258854	0,835751532	Zfp558	
17204327	5,848118	5,90358	6,150392	6,664863	6,158581	4,302248	5,9673633	5,708564	-0,25879933	0,835783201	---	
17210157	4,713359	4,038775	5,439075	4,760756	4,532478	4,1218	4,730403	4,471678	-0,258725	0,835826265	---	
17537934	3,856377	3,78718	3,818626	3,486936	3,723422	3,475692	3,8207277	3,562016667	-0,258711	0,835834376	---	
17200171	6,069372	6,145594	6,270276	5,843574	6,22826	5,637396	6,1617473	5,903076667	-0,25867067	0,835857744	---	
17206941	4,220446	4,779165	5,079451	4,001702	4,279926	5,021758	4,6930207	4,434462	-0,25855867	0,835922636	---	
17500561	4,700541	4,580825	4,7386	4,41519	4,348369	4,480813	4,673322	4,414790667	-0,25853133	0,835938474	Gm19410	
17421172	5,472372	5,456172	5,540095	5,268831	5,082262	5,342018	5,4895463	5,231037	-0,25850933	0,835951221	---	
17262032	6,953966	7,036722	6,756778	6,633507	6,602687	6,735749	6,915822	6,657314333	-0,25850767	0,835952187	Thg1l	
17423735	3,788274	3,714821	3,972896	3,745603	3,613051	3,34226	3,8253303	3,566971333	-0,258359	0,836038334	---	
17550304	5,238317	5,718246	5,417555	5,32264	4,957582	5,319037	5,4580393	5,199753	-0,25828633	0,836080446	---	
17293495	7,493485	7,350144	7,110984	7,063318	6,945657	7,170903	7,3182043	7,059959333	-0,258245	0,8361044	Zfp935	
17285616	3,395684	2,961395	3,182422	3,057233	2,890353	2,817314	3,1798337	2,921633333	-0,25820033	0,836130286	Olfr263	
17370068	5,175021	4,969668	5,395727	4,987329	4,786269	4,992379	5,1801387	4,921992333	-0,25814633	0,836161583	Nron	
17280842	8,146421	8,17828	8,053468	7,891395	7,763377	7,948994	8,1260563	7,867922	-0,25813433	0,836168538	Ifrd1	
17202687	3,403268	4,178576	4,262013	3,33107	4,116148	3,622329	3,9479523	3,689849	-0,25810333	0,836186506	---	
17257043	6,996484	5,859921	5,276218	5,587687	5,387981	6,383004	6,0442077	5,786224	-0,25798367	0,836255867	---	
17239985	6,58516	6,035185	6,192322	6,11744	5,927167	5,994188	6,270889	6,012931667	-0,25795733	0,836271132	---	
17341996	8,574361	8,530166	8,580027	8,160822	8,489266	8,26063	8,561518	8,303572667	-0,25794533	0,836278088	---	
17206199	4,209843	4,699298	4,24931	4,098502	4,116207	4,170072	4,3861503	4,128260333	-0,25789	0,836310163	---	
17386689	3,830521	4,476635	3,716267	3,788274	3,73668	3,724802	4,0078077	3,749918667	-0,257889	0,836310743	A330043C09Rik	
17269210	8,929615	8,299717	8,373103	8,55708	8,043085	8,228634	8,534145	8,276266333	-0,25787867	0,836316733	---	
17514447	4,822728	4,74186	4,57698	4,534544	4,357779	4,475803	4,713856	4,456042	-0,257814	0,83635422	Casp12	
17429304	4,916317	4,872383	5,160456	4,677703	4,783223	4,715166	4,983052	4,725364	-0,257688	0,836427268	---	
17207911	4,649293	4,148211	4,709053	3,420447	3,925302	5,387805	4,5021857	4,244518	-0,25766767	0,836439056	---	
17203495	5,511565	5,694209	6,461543	5,876163	5,043095	5,975136	5,8891057	5,631464667	-0,257641	0,836454517	---	
17483146	5,526106	5,287003	5,448737	5,165401	5,391914	4,93173	5,4206153	5,163015	-0,25760033	0,836478096	Doc2a	
17550871	4,16504	3,884574	3,942549	3,735133	3,741338	3,743431	3,9973877	3,739967333	-0,25742033	0,836582466	---	
17337100	6,912266	6,402041	6,373009	6,225267	6,389324	6,300536	6,5624387	6,305042333	-0,25739633	0,836596384	H2-Q4	
17273418	4,479089	3,886024	4,006688	3,986726	3,741373	3,871522	4,1239337	3,866540333	-0,25739333	0,836598123	---	
17540709	5,460854	4,753323	4,12778	4,625072	4,138225	4,806773	4,7806523	4,523356667	-0,25729567	0,836654761	E330010L02Rik	
17401562	6,502315	7,667793	6,852344	6,613364	6,571856	7,065385	7,007484	6,750201667	-0,25728233	0,836662493	---	
17269758	7,243708	7,271498	6,882977	6,818063	6,856327	6,952001	7,1327277	6,875463667	-0,257264	0,836673125	Psmc3ip	
17533312	6,478251	6,133763	6,402093	6,129395	6,315866	5,797473	6,3380357	6,080911333	-0,25712433	0,836754127	Gm14475 // Gm14478 // Gm14482 // Gı	
17203041	5,428036	5,100904	5,839297	5,405557	5,476769	4,714944	5,456079	5,19909	-0,256989	0,836832623	---	
17446618	3,433267	3,291543	3,385417	3,268902	3,15148	2,918979	3,3700757	3,113120333	-0,25695533	0,836852152	---	
17324404	3,870336	4,049008	4,103876	3,694432	3,792576	3,765601	4,00774	3,750869667	-0,25687033	0,836901458	Adipoq	
17523434	4,571402	4,278431	4,562125	4,15875	4,257776	4,224859	4,4706527	4,213795	-0,25685767	0,836908806	Mir138-1	
17373484	7,397264	7,353795	7,78737	7,370059	7,287926	7,10999	7,5128097	7,255991667	-0,256818	0,836931817	Pex16	
17329016	4,38361	4,257744	4,804847	4,308422	4,139269	4,228765	4,482067	4,225485333	-0,25658167	0,83706893	---	
17353520	7,660563	7,491646	7,566142	7,344114	7,171165	7,433368	7,5727837	7,316215667	-0,256568	0,837076859	Cdc25c	
17278268	5,571921	6,740154	5,690194	5,799431	5,696031	5,737421	6,0007563	5,744294333	-0,256462	0,837138364	Serpina3f	
17208539	3,750235	3,877114	3,100448	3,321608	3,027612	3,609224	3,5759323	3,319481333	-0,256451	0,837144747	---	
17353239	4,91989	4,894576	4,947635	4,800868	4,742578	4,449352	4,9207003	4,664266	-0,25643433	0,837154418	---	
17208165	4,921639	3,717224	4,33445	4,285893	4,341615	3,576547	4,3244377	4,068018333	-0,25641933	0,837163123	---	
17398052	5,347837	5,543262	5,29924	5,122472	5,197826	5,100797	5,3967797	5,140365	-0,25641467	0,837165831	Kcnab1	
17222318	5,314582	5,055939	5,161419	4,518351	5,011234	5,233159	5,1773133	4,920914667	-0,25639867	0,837175115	---	
17204527	4,298872	4,376283	3,057966	3,992991	3,272016	3,698988	3,9110403	3,654665	-0,25637533	0,837188655	---	

17340748	4,495431	4,646321	4,759747	4,460111	4,400162	4,272159	4,633833	4,377477333	-0,25635567	0,837200068	Pabpc6	
17267011	6,02042	5,67815	5,551808	5,60418	5,533375	5,343758	5,750126	5,493771	-0,256355	0,837200455	Gm11437	
17201445	4,615801	4,279224	3,869967	4,30521	4,096636	3,594117	4,2549973	3,998654333	-0,256343	0,837207418	---	
17208405	4,897079	4,409905	4,657223	4,022142	4,86479	4,308708	4,6547357	4,398546667	-0,256189	0,83729679	---	
17548438	5,899601	5,602109	5,793478	5,48452	5,59476	5,447355	5,7650627	5,508878333	-0,25618433	0,837299499	Rpl31-ps21	
17367902	4,907097	5,055987	5,00854	4,043013	5,736903	4,42319	4,9905413	4,734368667	-0,25617267	0,83730627	---	
17273860	6,13298	5,974606	6,081096	5,806522	5,841054	5,772795	6,062894	5,806790333	-0,25610367	0,837346317	Gm9548	
17524014	8,261057	8,204967	8,359945	7,928149	8,088028	8,041526	8,275323	8,019234333	-0,25608867	0,837355023	Endod1	
17284910	4,951236	4,932504	4,789637	4,715688	4,749449	4,44018	4,8911257	4,635105667	-0,25602	0,837394879	Calm5	
17518021	5,962886	5,970294	5,596288	5,582413	5,524474	5,654776	5,843156	5,587221	-0,255935	0,837444217	Gramd2	
17213313	9,980039	10,32146	10,13411	9,788256	9,901596	9,97815	10,145203	9,889334	-0,255869	0,837482529	Snord70	
17200297	4,4517	3,639737	4,546481	3,883777	3,958836	4,028293	4,2126393	3,956968667	-0,25567067	0,83759767	---	
17404237	5,407741	4,783803	5,275558	4,610854	5,025876	5,063693	5,1557007	4,900141	-0,25555967	0,837662116	---	
17208259	6,179629	5,432933	5,800571	5,332181	5,36701	5,947299	5,8043777	5,54883	-0,25554767	0,837669084	---	
17525304	6,069011	5,768292	5,783434	5,518339	5,701071	5,635291	5,873579	5,618233667	-0,25534533	0,837786572	Kcnj5	
17457019	5,427541	4,931871	5,130042	4,7795	5,017818	4,926102	5,1631513	4,907806667	-0,25534467	0,837786959	Gm6117	
17202717	3,634938	4,145027	4,561498	4,223877	3,863437	3,488469	4,113821	3,858594333	-0,25522667	0,837855486	---	
17415439	6,057961	6,505892	6,223868	5,94431	5,963464	6,114276	6,2625737	6,00735	-0,25522367	0,837857228	Ift74	
17251656	5,344561	5,184604	5,360116	5,01996	5,168269	4,935613	5,296427	5,041280667	-0,25514633	0,837902141	Dnahc2 // Dnahc2	
17205949	5,731785	5,432601	5,672194	5,51203	5,336287	5,222857	5,6121933	5,357058	-0,25513533	0,83790853	---	
17465495	4,564416	4,027033	4,071107	4,07992	3,944799	3,872555	4,220852	3,965758	-0,255094	0,837932537	---	
17418211	9,527743	9,710381	9,816742	9,427466	9,453019	9,409177	9,6849553	9,429887333	-0,255068	0,837947638	---	
17548916	5,181112	5,396249	5,189674	4,906061	5,14975	4,94628	5,2556783	5,000697	-0,25498133	0,837997977	LOC100862127	
17205253	4,882144	4,718653	5,020457	4,840822	4,767256	4,248374	4,8737513	4,618817333	-0,254934	0,838025472	---	
17209443	4,882144	4,718653	5,020457	4,840822	4,767256	4,248374	4,8737513	4,618817333	-0,254934	0,838025472	---	
17494777	3,830368	4,548429	3,905709	3,998866	3,828968	3,69188	4,0948353	3,839904667	-0,25493067	0,838027408	Olfr478	
17548178	9,709845	9,984037	9,770323	9,511137	9,462126	9,726255	9,8214017	9,566506	-0,25489567	0,838047739	Snrpd1 // Snrpd1	
17344953	4,555728	4,473977	4,762714	4,216555	4,358121	4,453282	4,5974473	4,342652667	-0,25482033	0,8380915	Crisp1	
17318020	7,509802	6,835064	7,087128	7,355955	6,756756	6,554924	7,143998	6,889211667	-0,25478633	0,838111252	Ly6d	
17486324	6,067822	5,594834	5,728548	5,851962	5,263874	5,511496	5,797068	5,542444	-0,254624	0,838205562	Vmn2r39 // Vmn2r50	
17481600	4,05368	3,41642	3,345572	3,484495	3,233888	3,333573	3,605224	3,350652	-0,254572	0,838235775	Olfr477	
17544277	4,544692	4,497148	4,634993	4,247334	4,076813	4,589034	4,5589443	4,304393667	-0,25455067	0,83824817	---	
17297225	3,953904	3,710424	3,621779	3,598148	3,393236	3,531516	3,7620357	3,507633333	-0,25440233	0,83833436	---	
17272337	3,919821	4,180895	3,854498	3,748801	3,683069	3,760224	3,9850713	3,730698	-0,25437333	0,838351212	---	
17473889	6,247779	6,529311	6,183992	6,118513	6,000328	6,079179	6,3203607	6,066006667	-0,254354	0,838362447	Pla2g4c	
17353973	5,841733	5,709178	6,229836	5,588605	5,780025	5,64917	5,9269157	5,6726	-0,25431567	0,838384723	---	
17364067	3,498362	3,273156	3,612386	3,197239	3,216968	3,206814	3,4613013	3,207007	-0,25429433	0,83839712	Gm8978	
17503531	5,035882	5,958188	5,40452	4,976927	5,141517	5,517302	5,4661967	5,211915333	-0,25428133	0,838404675	Gm15483 // Gm6834 // Rps13	
17495005	8,811646	8,730811	8,781607	8,557158	8,568301	8,436261	8,774688	8,520573333	-0,25411467	0,838501537	Tmem41b	
17221960	8,841848	9,024131	9,057457	8,811531	8,706896	8,64271	8,9744787	8,720379	-0,25409967	0,838510255	Ptp4a1	
17200275	3,549291	3,01977	4,089684	3,294731	3,211992	3,390008	3,552915	3,298910333	-0,25400467	0,838565472	---	
17461312	7,984427	8,21136	8,133105	7,780634	7,858682	7,927675	8,1096307	7,855663667	-0,253967	0,838587366	Trnt1	
17512664	5,244585	5,204975	5,143346	4,932052	4,904193	4,994991	5,1976353	4,943745333	-0,25389	0,838632125	Zfp90 // Zfp90	
17355058	6,076033	5,803413	5,769163	5,566299	5,640052	5,680597	5,8828697	5,628982667	-0,253887	0,838633868	---	
17379247	5,464578	5,448864	5,516144	5,161073	5,305373	5,201737	5,4765287	5,222727667	-0,253801	0,838683861	Gdap1l1	
17231003	7,013291	7,281988	7,114006	6,998863	6,641066	7,008046	7,1364283	6,882658333	-0,25377	0,838701883	Mfsd7b	
17362998	8,724459	8,645028	8,766304	8,32428	8,688293	8,362098	8,7119303	8,458223667	-0,25370667	0,838738702	Ms4a3	
17210453	5,035093	4,6442	5,348527	4,802445	4,49391	4,970431	5,0092733	4,755595333	-0,253678	0,838755368	---	
17208243	4,224666	3,803509	4,443906	4,824358	3,395514	3,491278	4,1573603	3,903716667	-0,25364367	0,838775329	---	
17238683	3,487528	3,581272	3,166121	3,277661	3,185835	3,010726	3,4116403	3,158074	-0,25356633	0,838820292	Olfr800	
17550382	7,149941	7,135542	7,534985	7,085342	7,214953	6,759643	7,2734893	7,019979333	-0,25351	0,838853046	---	
17204713	4,283261	4,958331	5,092615	4,480107	4,858694	4,234879	4,778069	4,52456	-0,253509	0,838853627	---	
17206887	6,45314	6,874583	6,492192	6,821838	6,136632	6,100938	6,6066383	6,353136	-0,25350233	0,838857504	---	
17316159	4,756268	4,681742	4,664667	4,46943	4,366148	4,506727	4,7008923	4,447435	-0,25345733	0,838883669	---	
17548342	4,564713	3,967272	4,970807	4,555509	4,121603	4,065456	4,5009307	4,247522667	-0,253408	0,838912356	---	
17493772	4,697045	4,629957	4,962824	4,62955	4,403474	4,496808	4,7632753	4,509944	-0,25333133	0,838956938	Dnajb13	
17551091	7,771599	8,253116	7,86146	7,361465	7,756757	8,008162	7,9620583	7,708794667	-0,25326367	0,838996288	---	
17447128	10,00153	10,25751	10,19343	9,864494	9,898525	9,929833	10,150823	9,897617333	-0,253206	0,839029825	Slbp	
17293952	5,472759	5,460949	5,338237	5,215595	5,226131	5,070635	5,4239817	5,170787	-0,25319467	0,839036416	Zfp456	
17551095	8,756187	8,966877	8,90267	8,44475	8,543665	8,877879	8,8752447	8,622098	-0,25314667	0,839064332	---	
17462661	7,112468	8,213227	7,403903	6,982517	7,39212	7,595783	7,5765327	7,323473333	-0,25305933	0,839115126	---	
17201213	5,976488	6,910195	5,748206	5,838109	5,842444	6,195274	6,2116297	5,958609	-0,25302067	0,839137616	---	
17391459	9,78358	10,02748	9,933722	9,463909	9,725688	9,796346	9,9149273	9,661981	-0,25294633	0,839180853	---	
17548852	11,24724	11,45379	11,41049	11,08676	11,09066	11,17531	11,370507	11,11757667	-0,25293	0,839190354	Npm1 // Npm1	
17275750	8,753637	9,134849	8,883306	8,532178	8,655852	8,825318	8,9239307	8,671116	-0,25281467	0,839257444	---	
17204085	3,881237	3,928409	3,271159	3,826294	3,246773	3,249409	3,6936017	3,440825333	-0,25277633	0,839279744	---	
17264980	5,236124	5,470269	5,351442	5,137891	5,061914	5,099792	5,3526117	5,099865667	-0,252746	0,83929739	Spem1	
17547857	5,367089	5,591519	5,500437	5,13669	5,365411	5,199074	5,4863483	5,233725	-0,25262333	0,839368755	Gm7686	
17532710	4,147491	4,084204	3,928928	3,706631	3,572121	4,12418	4,053541	3,800977333	-0,25256367	0,839403471	Gm14347	
17535774	3,806624	4,660543	4,357697	3,775633	4,415654	3,876293	4,2749547	4,022526667	-0,252428	0,839482409	Snora70	
17277521	6,381503	6,33143	6,242923	6,164394	6,0832	5,950993	6,3186187	6,066195667	-0,252423	0,839485319	Vash1	
17366077	4,344663	4,542837	4,454201	4,076249	4,458258	4,050462	4,4472337	4,194989667	-0,252244	0,839589483	Prlhr	
17210583	6,494873	6,539776	5,833016	6,100221	5,271518	6,739512	6,2892217	6,037083667	-0,252138	0,839651173	---	
17449176	8,573096	8,748059	8,525309	8,405363	8,321811	8,363073	8,615488	8,363415667	-0,25207233	0,839689392	Uba6	
17336942	7,73824	8,552752	7,552196	7,561136	7,816056	7,709808	7,9477293	7,695666667	-0,25206267	0,839695018	---	
17415012	3,809866	3,828386	4,076456	3,752676	3,56771	3,638296	3,9049027	3,652894	-0,25200867	0,839726448	---	
17227259	4,860785	4,309619	5,310339	4,87613	4,000248	4,84844	4,8269143	4,574939333	-0,251975	0,839746045	---	
17482958	5,326704	5,259635	4,767145	5,010428	4,775007	4,812527	5,117828	4,865987333	-0,25184067	0,839824239	Il21r	
17215507	4,975654	4,946729	5,088694	4,856566	4,90601	4,493061	5,0036923	4,751879	-0,25181333	0,839840151	Trpm8	
17203107	6,316354	6,143881	5,856754	6,439469	4,870202	6,251985	6,105663	5,853885333	-0,25177767	0,839860914	---	
17230812	4,26169	4,196123	4,209017	4,030878	3,83587	4,044804	4,2222767	3,970517333	-0,25175933	0,839871586	4930532G15Rik	
17392322	5,555735	5,089725	5,530155	5,158876	5,22318	5,038384	5,3918717	5,140146667	-0,251725	0,839891574	Bfsp1	
17357916	3,495117	3,535062	3,189596	3,120223	3,141637	3,202962	3,4065917	3,154940667	-0,251651	0,839934656	Olfr1469	
17204521	6,321397	6,677134	6,847494	6,887256	6,212008	5,992011	6,6153417	6,363758333	-0,25158333	0,839974052	---	
17470029	8,005711	6,976807	7,794563	7,823259	7,071874	7,127463	7,5923603	7,340865333	-0,251495	0,840025483	---	
17537328	3,278144	3,082788	3,324377	2,944046	3,008331	2,978619	3,2284363	2,976998667	-0,25143767	0,840058867	Ube2dnl2	
17324161	6,1964	6,439648	6,54649	6,213194	5,985384	6,229747	6,3941793	6,142775	-0,25140433	0,840078277	---	
17517883	5,183843	4,734819	5,142313	4,745085	4,628663	4,933015	5,020325	4,768921	-0,251404	0,840078471	1600029O15Rik	
17523095	6,475125	6,51457	6,673347	6,263385	6,209988	6,436138	6,5543473	6,303170333	-0,251177	0,840210663	Exog	
17208921	6,194006	5,443267	5,890755	5,697668	5,550117	5,52674	5,842676	5,591508333	-0,25116767	0,840216099	---	
17510584	8,515733	8,389893	8,044269	8,089344	8,087543	8,019608	8,3166317	8,065498333	-0,25113333	0,840236094	---	
17460366	8,53032	8,667221	8,74764	8,37805	8,369455	8,444567	8,6483937	8,397357333	-0,25103633	0,84029259	Add2	
17371097	3,163108	3,06092	2,906852	2,681615	2,814638	2,881554	3,0436267	2,792602333	-0,25102433	0,840299579	---	
17469919	7,810205	7,908475	7,993396	7,617494	7,756024	7,585545	7,9040253	7,653021	-0,25100433	0,840311228	Tmem40	
17406323	4,921269	5,418945	5,696537	5,034083	4,957542	5,292228	5,3455837	5,094617667	-0,250966	0,840333556	Mnd1	
17510622	5,052949	4,597743	4,983297	4,354183	4,537862	4,989256	4,8779963	4,627100333	-0,250896	0,84037433	1700007B14Rik // 1700007B14Rik	
17280817	4,648077	4,237817	4,333243	4,112602	4,09349	4,260367	4,406379	4,155486333	-0,25089267	0,840376272	Scin	
17201305	3,990892	3,676132	3,44197	3,181064	3,577787	3,597496	3,702998	3,452115667	-0,25088233	0,840382291	---	
17229917	5,723474	5,693397	5,37489	5,296824	5,332538	5,410016	5,5972537	5,346459333	-0,25079433	0,840433554	Kcnj9	
17449129	4,711978	4,065564	4,093549	4,170569	4,030103	3,918106	4,2903637	4,039592667	-0,250771	0,840447146	Epha5	
17316066	5,285441	4,385087	4,847322	4,374496	4,95132	4,439846	4,8392833	4,588554	-0,25072933	0,84047142	---	
17499753	6,580689	6,400684	6,983592	6,532077	6,467617	6,21332	6,6549883	6,404338	-0,25065033	0,840517444	Gm15292	
17204031	5,307276	5,135328	5,020195	5,054204	4,695904	4,960766	5,1542663	4,903624667	-0,25064167	0,840522493	---	
17530339	4,395125	4,392739	4,13255	4,082704	4,111078	3,974713	4,3068047	4,056165	-0,25063967	0,840523659	Ccrl1	
17375418	5,576998	5,19879	5,483098	5,119884	5,207398	5,179722	5,4196287	5,169001333	-0,25062733	0,840530844	Duox1	
17491743	4,388126	4,367872	4,110126	4,391096	3,619381	4,103771	4,288708	4,038082667	-0,25062533	0,840532009	---	
17457731	7,513242	7,028267	7,902631	7,292474	7,274666	7,125279	7,48138	7,230806333	-0,25057367	0,840562112	Try4	
17514482	4,142861	4,692843	4,124787	4,108291	4,017551	4,083046	4,3201637	4,069629333	-0,25053433	0,840585029	Mmp13	
17201389	3,363629	3,247895	3,411385	3,099987	3,026534	3,145358	3,3409697	3,090626333	-0,25034333	0,840696322	---	
17288992	4,61155	4,372237	4,466529	4,108543	4,121664	4,469634	4,4834387	4,233280333	-0,25015833	0,840804133	Edil3	
17442944	6,88017	7,102565	7,12808	6,981374	6,46142	6,917552	7,0369383	6,786782	-0,25015633	0,840805299	Sumf2	
17227867	4,218624	3,725125	4,222198	3,954882	3,749939	3,710691	4,0553157	3,805170667	-0,250145	0,840811904	2310030A07Rik // 2310030A07Rik	
17208545	5,442715	6,367636	5,464479	5,548283	5,509507	5,467187	5,7582767	5,508325667	-0,249951	0,840924976	---	
17201343	6,078106	5,709596	4,975495	5,220659	5,168958	5,623747	5,8877323	5,337788	-0,24994433	0,840928862	---	
17518331	9,159954	9,554205	9,385495	9,086567	9,081244	9,182454	9,3665513	9,116755	-0,24979633	0,841015134	Tipin	
17534110	3,669222	3,651848	3,940747	3,608424	3,556914	3,347241	3,753939	3,504193	-0,249746	0,841044476	---	
17495549	6,006589	6,027441	5,827638	6,037236	5,681017	5,394232	5,9538893	5,704161667	-0,24972767	0,841055164	Itpripl2	
17203651	5,951573	7,135002	6,577038	5,999209	6,251851	6,663424	6,5545377	6,304828	-0,24970967	0,841065657	---	
17306575	3,379092	3,25949	3,530981	3,160903	3,160286	3,099482	3,3898543	3,140223667	-0,24963067	0,841111714	Mir208a	
17525329	8,477453	8,851789	8,481564	8,413313	8,303068	8,345659	8,603602	8,354013333	-0,24958867	0,841136201	St3gal4	
17480598	4,159044	4,132298	4,445481	4,285804	3,854241	3,848069	4,2456077	3,996038	-0,24956967	0,841147279	Olfr521	
17200469	6,358569	5,372499	5,688902	5,671554	5,517027	5,482725	5,8066567	5,557102	-0,24955467	0,841156025	---	
17204941	3,946896	4,241121	4,246565	3,659043	3,873707	4,153233	4,1448607	3,895327667	-0,249533	0,841168657	---	
17284515	5,812444	5,360843	5,543863	5,123198	5,384181	5,461431	5,5723833	5,322936667	-0,24944667	0,841218996	---	
17443519	6,078247	6,324999	6,243781	6,026081	6,001163	5,871469	6,2156757	5,966237667	-0,249438	0,841224049	Vgf	
17414321	4,386693	4,223656	4,128762	3,912654	3,823915	4,254235	4,2463703	3,996934667	-0,24943567	0,84122541	---	
17516118	4,103771	3,798211	3,715224	3,929657	3,520083	3,41926	3,872402	3,623	-0,249402	0,841245041	Olfr877	
17209629	6,016384	5,473125	5,113684	5,544972	4,883263	5,426781	5,5343977	5,285005333	-0,24939233	0,841250677	---	
17537034	3,67254	3,747119	4,086929	3,673891	3,569795	3,514984	3,8355293	3,586223333	-0,249306	0,841301021	Cypt2	
17382350	7,600303	7,503184	7,66788	7,266349	7,457752	7,299429	7,5904557	7,341176667	-0,249279	0,841316766	Mrpl41	
17299987	4,689539	4,389614	4,53302	4,317986	4,442646	4,103771	4,537391	4,288134333	-0,24925667	0,84132979	---	
17548006	3,939491	3,652398	3,917799	3,658908	3,472038	3,630979	3,8365627	3,587308333	-0,24925433	0,841331151	4932414J04Rik // 4932414J04Rik	
17500756	4,713902	4,284573	4,561121	4,018925	4,361562	4,431349	4,5198653	4,270612	-0,24925333	0,841331734	---	
17548595	4,270096	4,331158	4,627749	4,230816	3,993623	4,257012	4,4096677	4,160483667	-0,249184	0,841372168	E330027M22Rik // E330027M22Rik	

17203179	6,743193	6,474185	5,896478	6,006757	5,858388	6,501807	6,3712853	6,122317333	-0,248968	0,841498147	---
17345802	8,353017	8,578563	8,100492	7,872184	8,41162	8,001694	8,344024	8,095166	-0,248858	0,841562311	Tspo2
17205201	5,699337	5,550507	6,262158	5,630948	5,99763	5,136912	5,837334	5,588496667	-0,24883733	0,841574366	---
17209391	5,699337	5,550507	6,262158	5,630948	5,99763	5,136912	5,837334	5,588496667	-0,24883733	0,841574366	---
17211416	4,462037	4,288148	4,514443	4,474697	4,012451	4,030991	4,4215427	4,172713	-0,24882967	0,841578838	Khdc1a
17366647	4,856784	4,662864	4,847904	4,588504	4,60736	4,425223	4,789184	4,540362333	-0,24882167	0,841583505	4930412O13Rik
17200161	4,429003	4,787567	5,151296	4,640587	4,091246	4,889587	4,7892887	4,540473333	-0,24881533	0,8415872	---
17201169	4,80187	5,997268	6,150321	4,861149	4,789005	6,552869	5,6498197	5,401007667	-0,248812	0,841589144	---
17417238	4,414293	4,563177	4,351767	4,325305	4,35107	3,906616	4,443079	4,194330333	-0,24874867	0,84162609	---
17550172	4,414293	4,563177	4,351767	4,325305	4,35107	3,906616	4,443079	4,194330333	-0,24874867	0,84162609	---
17401552	4,850863	4,742236	4,830682	4,298994	4,673085	4,705569	4,807927	4,559216	-0,248711	0,841648064	A630076J17Rik
17550831	4,073342	3,97581	3,76751	3,784875	3,736331	3,549343	3,9388873	3,690183	-0,24870433	0,841651953	---
17473734	4,682691	4,277254	4,38043	4,784308	4,109169	3,700789	4,4467917	4,198088667	-0,248703	0,841652731	Vmn1r79
17306098	4,731449	4,106925	4,830681	4,387737	4,260402	4,275084	4,5563517	4,307741	-0,24861067	0,841706599	Rnase1
17259956	5,73256	5,72791	5,855865	5,495859	5,566069	5,508631	5,7721117	5,523519667	-0,248592	0,84171749	Ccdc157
17232135	6,758232	6,189524	6,508299	6,320062	6,176253	6,214214	6,4853517	6,236843	-0,24850867	0,841766111	1110021L09Rik
17513681	7,646111	7,700671	7,871523	7,639994	7,211071	7,621852	7,739435	7,490972333	-0,24846267	0,841792951	Mvd
17547006	6,368285	6,454365	6,418578	5,839908	6,548105	6,107913	6,4137427	6,165308667	-0,248434	0,841809677	LOC100040022 // LOC100040022
17547018	6,368285	6,454365	6,418578	5,839908	6,548105	6,107913	6,4137427	6,165308667	-0,248434	0,841809677	LOC100040022 // LOC100040022
17210095	3,103977	3,872743	3,84241	3,709497	3,055827	3,308658	3,6063767	3,357994	-0,24838267	0,841839631	---
17549344	6,075953	6,699915	6,125299	6,001853	6,193914	5,960277	6,300389	6,052014667	-0,24837433	0,841844493	---
17417702	7,636102	7,650241	7,696462	7,341078	7,372838	7,523895	7,660935	7,412603667	-0,24833133	0,841869585	Slc6a9
17301440	7,912385	8,419163	7,945687	7,842768	7,926519	7,76324	8,0924117	7,844175667	-0,248236	0,841925218	Ccdc25
17387678	3,76082	3,628624	3,351053	3,271955	3,325558	3,398418	3,5801657	3,331977	-0,24818867	0,841952841	Olfr1065
17522649	4,987772	4,088345	4,628929	4,540311	4,290144	4,130106	4,5683487	4,320187	-0,24816167	0,841968598	---
17357460	10,71189	10,84891	10,68347	10,67487	10,27765	10,5475	10,74809	10,50000667	-0,24808333	0,842014316	Fads1
17298908	4,550448	5,321703	4,558482	4,60342	4,736794	4,346232	4,8102211	4,562148667	-0,24806233	0,842026572	---
17285783	6,296312	5,809521	6,210334	6,111647	5,889296	5,571419	6,105389	5,857454	-0,247935	0,842100893	Vmn1r213
17547881	4,100347	4,297317	4,253498	3,913997	4,047131	3,946247	4,217054	3,969125	-0,247929	0,842104395	LOC100861767
17480673	3,980237	4,130812	4,669552	3,87633	4,090569	4,069972	4,2602003	4,012290333	-0,24791	0,842115486	Gpx2-ps1
17547676	6,632454	6,478787	6,679047	6,448197	6,214076	6,384287	6,5967627	6,348853333	-0,24790933	0,842115875	LOC100862592
17382432	5,118894	5,352546	5,212921	5,004309	4,975796	4,960607	5,2281203	4,980237333	-0,247883	0,842131246	Slc34a3
17216937	8,652247	8,878441	8,682852	8,260531	8,621439	8,588007	8,7378467	8,489992333	-0,24785433	0,84214798	Yod1
17275858	4,936153	4,587017	4,548979	4,369399	4,696799	4,262436	4,6907163	4,442878	-0,24783833	0,842157319	Wdr20b
17432861	5,229212	5,190452	5,67442	5,453053	4,958675	4,939054	5,3646947	5,116927333	-0,24776733	0,842198766	---
17205871	4,007326	3,551664	3,872498	3,294614	3,590665	3,802999	3,810496	3,562759333	-0,24773667	0,842216668	---
17430928	6,328512	6,73514	6,528962	6,245128	6,242735	6,361549	6,5308713	6,283137333	-0,247734	0,842218225	---
17324685	8,549548	9,066596	8,854417	8,48256	8,726293	8,518739	8,8235203	8,575864	-0,24765633	0,842263567	---
17550482	7,687866	8,203992	8,166586	7,918852	7,860181	7,536593	8,0194813	7,771875333	-0,247606	0,842292952	---
17287247	6,709478	5,860794	6,646351	6,208179	6,109245	6,156383	6,405541	6,157935667	-0,24760533	0,842293342	2310081J21Rik
17329844	7,689945	7,880116	7,914739	7,514369	7,486753	7,741035	7,8282667	7,580719	-0,24754767	0,84232701	Gm19316
17406908	9,858426	10,03193	9,980124	9,740846	9,600513	9,786574	9,9568267	9,709311	-0,24751567	0,842345694	Fdps
17207561	4,593172	4,504327	4,260824	4,06489	4,440639	4,110581	4,4527743	4,20537	-0,24740433	0,8424107	---
17549858	6,389275	6,609607	6,692292	6,472652	6,224862	6,25157	6,5637247	6,316361333	-0,24736333	0,842434641	---
17389481	9,069777	9,088444	8,915968	8,682808	8,77621	8,873126	9,0247297	8,777381333	-0,24734833	0,8424434	Arhgap11a
17549226	5,235996	4,968979	5,129273	5,019943	4,879179	4,693149	5,111416	4,864090333	-0,24732567	0,842456636	---
17269839	8,89074	8,981922	9,045818	8,684824	8,749548	8,742223	8,9728267	8,725531667	-0,247295	0,842474544	Ccdc56
17499715	6,922816	6,849167	6,874813	6,643484	6,681413	6,580235	6,8822653	6,635044	-0,24722133	0,842517563	Gm15299
17457753	6,254202	6,250575	6,448393	6,251449	6,02053	5,9396	6,3177233	6,070526333	-0,247197	0,842531774	Gm5409
17213747	4,450041	5,288444	4,467158	4,647613	4,557074	4,259438	4,7352143	4,488041667	-0,24717267	0,842545985	Pth2r
17399792	3,07022	3,901928	3,182934	3,105527	3,005392	3,30269	3,3850273	3,137869667	-0,24715767	0,842554745	---
17204775	4,792655	4,664318	4,379121	4,265236	4,14479	4,684717	4,6120313	4,364914333	-0,247117	0,842578495	---
17208739	3,806447	4,386374	3,29143	3,389935	3,665522	3,687512	3,8280837	3,580989667	-0,247094	0,842591928	---
17204059	6,910002	6,640103	7,002084	6,040918	6,975255	6,794739	6,8507297	6,603637333	-0,24709233	0,842592901	---
17299976	3,507208	3,299682	3,226701	3,183864	3,003392	3,105126	3,3445303	3,097460667	-0,24706967	0,84260614	---
17544631	4,573495	4,496597	4,839961	4,400775	4,449985	4,31811	4,6366843	4,389623333	-0,247061	0,842611201	Nxf7
17463169	5,907457	5,963969	5,946273	5,520047	5,833498	5,72321	5,939233	5,692251667	-0,24698133	0,842657732	Scnn1a
17214656	5,435875	5,050049	5,44266	4,960778	5,226812	5,00025	5,309528	5,062613333	-0,24691467	0,842696672	Gm17751
17293484	4,199631	4,555913	4,110093	4,028957	3,970986	4,125096	4,2885457	4,041679667	-0,246866	0,8427251	Gm3604
17223279	3,558128	3,58978	3,377428	3,3142	3,227521	3,243055	3,5084453	3,261592	-0,24685333	0,842732499	Hsfy2
17266196	4,872674	4,629346	4,3949	4,298759	4,663245	4,194761	4,6323067	4,385588333	-0,24671833	0,842811361	Mir423
17447900	6,140638	5,569081	5,830303	5,856215	5,509609	5,434389	5,846674	5,600071	-0,246603	0,84287874	---
17373634	9,678249	9,715619	8,75813	9,474981	9,130846	8,806477	9,3839993	9,137434667	-0,24656467	0,842901137	---
17477424	7,146319	7,143913	7,158885	7,265117	6,797359	6,647102	7,1497057	6,903192667	-0,246513	0,842931324	Snord88c
17246412	4,03337	3,76167	3,714177	3,766707	3,628288	3,374688	3,8364057	3,589894333	-0,24651133	0,842932297	Olfr773
17546978	3,829972	4,913378	4,596384	3,903755	4,46761	4,22885	4,446578	4,200071667	-0,24650633	0,842935219	LOC100504792
17391428	7,83724	7,822444	7,794558	7,505323	7,75392	7,455506	7,8180807	7,571583	-0,24649767	0,842940283	---
17550302	3,519216	3,926889	3,630329	3,385212	3,394082	3,557687	3,6921447	3,445660333	-0,24648433	0,842948073	---
17204551	4,116519	4,158614	4,729473	3,784282	4,45823	4,022655	4,3348687	4,088389	-0,24647967	0,8429508	---
17453124	7,16591	7,409396	7,414308	7,193417	6,971354	7,085506	7,3298713	7,083425667	-0,24644567	0,842970666	Psph
17367234	5,550205	5,398242	5,451416	5,125748	5,358975	5,176032	5,466621	5,220251667	-0,24636933	0,843015269	---
17203135	6,730124	6,979079	7,237156	6,888848	7,092042	6,226391	6,9821197	6,735760333	-0,24635933	0,843021112	---
17547511	6,558072	6,131495	6,361244	6,072539	6,30722	5,932068	6,3502703	6,103942333	-0,246328	0,843039422	Gm19629
17464789	4,694891	4,392323	4,568697	4,182525	4,40977	4,324682	4,5519703	4,305659	-0,24631133	0,843049161	A430035B10Rik
17538295	3,673685	3,366317	3,696271	3,417102	3,325747	3,25457	3,5787577	3,332473	-0,24628467	0,843064744	Gm5643
17548967	5,652411	5,515957	5,762578	5,553118	5,374032	5,264957	5,6436487	5,397369	-0,24627967	0,843067666	Klhl30 // Klhl30
17288079	8,717155	9,188541	8,531349	8,393051	8,4221	8,883108	8,8123483	8,566086333	-0,246262	0,84307799	---
17206057	6,59569	5,864906	6,355297	6,119499	5,296102	6,661655	6,2719643	6,025752	-0,24621233	0,843107014	---
17525782	5,133839	4,813567	5,104098	4,877469	4,677968	4,757564	5,017168	4,771000333	-0,24616767	0,843133118	Olfr975
17526270	8,991584	9,436893	9,169979	9,007498	9,076019	8,776505	9,1994853	8,953340667	-0,24614467	0,843146559	---
17405916	3,71595	3,700312	3,854547	3,45599	3,453775	3,622686	3,7569363	3,510817	-0,24611933	0,843161365	Gm20356
17465042	3,886405	4,199978	3,640165	3,767466	3,682482	3,538327	3,9088493	3,662758333	-0,246091	0,843177924	---
17374045	3,791183	4,28938	4,630162	4,547797	3,599253	3,825422	4,2369083	3,990824	-0,24608433	0,84318182	---
17202245	2,783593	3,729402	3,569378	3,015697	2,800788	3,528192	3,360791	3,114892333	-0,24589867	0,84329034	---
17266672	6,073897	5,979402	6,021551	5,533109	5,805862	5,998183	6,02495	5,779051333	-0,24589867	0,84329034	1110002N22Rik
17310669	7,253608	7,060525	7,148872	6,880512	7,111554	6,733378	7,154335	6,908481333	-0,24585367	0,843316644	---
17537713	6,640671	6,871685	6,67711	6,290592	6,538911	6,622557	6,729822	6,48402	-0,245802	0,843346846	Timm8a1 // Timm8a1
17237359	3,742531	3,93688	3,777539	3,572921	3,788561	3,358111	3,8189833	3,573197667	-0,24578567	0,843356394	---
17540148	6,807381	7,029463	6,972233	6,37561	6,829175	6,867389	6,936359	6,690724667	-0,24563433	0,843444863	Lancl3
17221197	8,888769	8,943101	9,041189	8,826748	8,551133	8,758317	8,9576863	8,712066	-0,24562033	0,843453048	Tcf24
17467534	3,212868	3,041736	3,280967	3,001371	2,824556	2,97295	3,1785237	2,932959	-0,24556467	0,843485594	Igkv6-23 // Igkv6-23
17445041	4,348317	4,613559	4,491062	4,563831	4,04871	4,103771	4,4843127	4,238770667	-0,245542	0,843498846	---
17391905	5,808016	5,132988	5,323094	5,229763	5,062498	5,235287	5,421366	5,175849333	-0,24551667	0,843513658	---
17526674	9,407256	9,535685	9,497356	9,127474	9,284061	9,29231	9,480099	9,234615	-0,245484	0,843532758	Rexo2
17512688	5,976363	5,841822	6,063575	5,733023	5,597236	5,815175	5,9605867	5,715144667	-0,245442	0,843557315	---
17287827	9,24642	9,360226	9,023161	9,025167	9,017265	8,851105	9,2099357	8,964512333	-0,24542333	0,84356823	Tgfbi
17514435	6,229616	6,945282	6,166361	6,158886	6,154302	6,291867	6,4470863	6,201685	-0,24540133	0,843581094	Casp4
17312229	4,295412	4,214237	4,425872	4,128516	3,899025	4,171778	4,3118403	4,066439667	-0,24540067	0,843581483	Ly6f
17361424	7,190185	6,853067	7,159495	6,919693	6,986381	6,560705	7,0675823	6,822259667	-0,24532267	0,843627093	Peli3
17539700	6,037985	5,970129	5,980505	5,898148	5,604373	5,750322	5,9962063	5,750947667	-0,24525867	0,843664519	G530011O06Rik
17508111	6,14572	6,466726	6,28046	5,810278	6,150321	6,196642	6,2976353	6,052413667	-0,24522167	0,843686156	Ap3m2
17413211	7,173331	6,882348	7,274223	6,778965	6,922843	6,893061	7,1099673	6,864956333	-0,245011	0,843809362	Vcp // Vcp
17246416	3,172019	3,015235	3,101682	2,91226	2,957492	2,684294	3,096312	2,851348667	-0,24496333	0,843837242	Olfr777
17247078	3,362695	3,271194	3,489826	3,027829	3,330936	3,030104	3,3745717	3,129623	-0,24494867	0,843845821	---
17300798	3,748432	3,574645	3,768064	3,479743	3,518019	3,358825	3,697047	3,452195667	-0,24485133	0,843902754	---
17401228	6,015285	6,166364	6,056664	5,670674	5,906558	5,926736	6,0794377	5,834656	-0,24478167	0,843943506	Hipk1 // Hipk1
17205187	4,442914	4,686731	4,324529	3,903131	4,550816	4,265926	4,4847247	4,239957667	-0,244767	0,843952086	---
17209377	4,442914	4,686731	4,324529	3,903131	4,550816	4,265926	4,4847247	4,239957667	-0,244767	0,843952086	---
17208253	6,091901	6,006292	5,93669	5,81494	5,775929	5,710063	6,0116277	5,766977333	-0,24465033	0,844020337	---
17538755	9,449538	9,346746	9,230474	9,477128	8,45747	9,358333	9,3422527	9,097643667	-0,244609	0,844044519	---
17467398	5,569987	5,233845	5,591133	5,403378	5,129313	5,12848	5,4649883	5,220390333	-0,244598	0,844050954	Igkv4-91 // Igkv4-91
17372759	5,406239	4,982283	5,016829	5,203531	4,750627	4,717605	5,135117	4,890587667	-0,24452933	0,844091129	Olfr1014
17547969	8,767676	9,214461	8,825141	8,734544	8,640304	8,698872	8,9357593	8,69124	-0,24451933	0,844096979	---
17273536	6,737225	7,022278	6,921865	6,770635	6,703516	6,473782	6,8937893	6,649311	-0,24447833	0,844120968	Zfp750
17249922	8,019441	7,591077	7,794558	7,509098	7,441741	7,720911	7,801692	7,55725	-0,244442	0,844142227	---
17231314	4,264831	4,486719	4,469658	4,136093	4,250175	4,10173	4,4070693	4,162666	-0,24440333	0,844164852	Cr2
17274955	4,249774	4,209076	4,420883	3,950118	4,055953	4,140514	4,2932443	4,048861667	-0,24438267	0,844176945	Ferd3l
17202533	7,437266	7,446081	7,570873	7,352218	7,091844	7,277154	7,48474	7,240405333	-0,24433467	0,844205032	---
17493824	6,793566	6,879319	6,75283	6,40077	6,657909	6,634353	6,8085717	6,564344	-0,24422767	0,844267646	Relt
17474744	4,150582	3,926946	4,139596	3,926176	3,550101	4,008174	4,0723747	3,828150333	-0,24422433	0,844269597	Vmn1r116
17506567	5,540302	5,41162	5,4898	4,978801	5,528792	5,201553	5,480574	5,236382	-0,244192	0,844288518	4933417D19Rik
17551141	5,596359	5,44242	6,673838	5,71141	5,805417	5,463438	5,9042057	5,660088333	-0,24411733	0,844332216	---
17479758	5,38126	5,096067	4,861378	5,007293	4,723493	4,875608	5,1129017	4,868798	-0,24410367	0,844340214	Sh3gl3
17494144	5,129162	4,628385	5,380115	4,904699	4,716008	4,784669	5,0458873	4,801792	-0,24409533	0,844345091	Olfr569
17521178	6,822014	6,829783	7,11474	6,627151	6,739367	6,667794	6,922179	6,678104	-0,244075	0,844356992	Poc1a
17388548	7,380794	7,146099	7,491157	7,143267	7,11004	7,032734	7,33935	7,095347	-0,244003	0,844399132	Gm13889
17204879	6,278709	6,128772	5,808009	5,763459	5,8206	5,899621	6,07183	5,827893333	-0,24393667	0,844437957	---
17548662	5,105906	4,842648	5,072223	4,792087	4,760022	4,736887	5,0069257	4,762998667	-0,243927	0,844443615	Gm5606
17389307	3,602498	3,318629	3,38538	3,219705	3,165339	3,189692	3,4355023	3,191578667	-0,24392367	0,844445566	Olfr1312
17474865	3,847511	3,489899	3,765224	3,418908	3,581303	3,370769	3,700878	3,456993333	-0,24388467	0,844468394	Vmn1r178
17204387	4,11054	4,572283	5,031047	4,472872	4,30111	4,208297	4,57129	4,327426333	-0,24386367	0,844480686	---
17201513	4,401484	4,671439	4,291497	4,496563	4,53549	3,601066	4,4548067	4,211039667	-0,243767	0,844537272	---
17202307	3,640773	5,078637	4,206629	3,805659	4,294728	4,094525	4,3086797	4,064970667	-0,243709	0,844571225	---
17284574	4,409429	4,591291	4,059305	4,200862	4,033037	4,095048	4,3533417	4,109649	-0,24369267	0,844580787	---

17377525	7,75392	7,864716	7,756502	7,47312	7,570022	7,600997	7,7917127	7,548046333	-0,24366633	0,844596203	Gins1	
17204647	4,969471	5,292685	4,947551	4,325817	4,721239	5,431682	5,0699023	4,826246	-0,24365633	0,844602057	---	
17284321	5,165693	4,597382	4,353364	4,378062	4,417887	4,589612	4,7054797	4,461853667	-0,243626	0,844619816	---	
17529930	4,982724	4,68953	5,101786	4,677606	4,820874	4,545005	4,92468	4,681161667	-0,24351833	0,844682851	Clstn2	
17369103	6,793218	6,813177	6,822496	6,741541	6,336909	6,619995	6,8096303	6,566148333	-0,243482	0,844704124	Tbc1d13	
17276814	6,592497	6,941187	6,53076	6,519588	6,376607	6,437847	6,688148	6,444680667	-0,24346733	0,844712712	Zfp36l1 // Zfp36l1	
17267174	4,567327	4,662988	4,744009	4,354948	4,246755	4,642232	4,658108	4,414645	-0,243463	0,844715249	8430403D17Rik	
17528255	4,681749	5,366639	5,396165	4,905267	5,078063	4,730994	5,1481843	4,904774667	-0,24340967	0,844746477	Ankdd1a	
17258604	5,866302	5,21904	5,246304	5,14402	5,232871	5,224638	5,443882	5,200509667	-0,24337233	0,844768337	Aanat	
17235026	6,621979	6,698095	6,591762	6,578784	6,168196	6,434829	6,6372787	6,393936333	-0,24334233	0,844785904	LOC100862144	
17449628	9,458562	9,658962	9,228165	9,016756	9,276984	9,322003	9,448563	9,205247667	-0,24331533	0,844801714	---	
17201529	6,687603	6,216536	7,344793	7,008352	6,07334	6,437352	6,749644	6,506348	-0,243296	0,844813035	---	
17371964	6,931355	6,841049	6,921294	6,610944	6,63494	6,718189	6,8978993	6,654691	-0,24320833	0,844864372	1700011J10Rik	
17206207	5,869145	5,366481	6,070675	5,23837	5,630558	5,707834	5,768767	5,525587333	-0,24317967	0,84488116	---	
17292256	8,94476	9,208838	9,069496	8,883988	8,783628	8,826073	9,0743647	8,831229667	-0,243135	0,844907319	---	
17490038	8,774704	9,087001	8,779125	8,563024	8,61824	8,730174	8,8802767	8,637146	-0,24313067	0,844909856	---	
17387979	4,097229	3,693149	3,998669	3,831603	3,314236	3,913912	3,9296823	3,686583667	-0,24309867	0,844928597	Olfr1249	
17208847	3,584432	3,920279	3,135597	3,506157	3,340171	3,064833	3,5467693	3,303720333	-0,243049	0,844957686	---	
17532135	3,651521	3,587744	3,802204	3,499317	3,324181	3,488863	3,6804897	3,437453667	-0,243036	0,844965299	---	
17528388	5,070137	4,962153	5,106417	4,69483	4,893658	4,821136	5,0462357	4,803208	-0,24302767	0,84497018	---	
17494170	4,806875	4,102871	3,714612	3,903348	4,049311	3,942627	4,2081193	3,965095333	-0,243024	0,844972328	Olfr603	
17246284	8,63129	8,416233	8,27072	7,887477	8,227531	8,474171	8,4394143	8,196393	-0,24302133	0,84497389	Suox	
17203485	4,643751	3,981833	4,785642	4,190087	4,230044	4,262185	4,4704087	4,227438667	-0,24297	0,845003956	---	
17414729	7,323794	7,828804	7,370075	7,343216	7,124153	7,326482	7,5075577	7,264617	-0,24294067	0,845021137	Orm1	
17219682	4,649345	4,273939	4,480224	4,370501	4,203749	4,100611	4,467836	4,224953667	-0,24288233	0,845055305	Olfr430	
17203443	5,541054	4,962399	5,65901	5,178035	4,80572	5,450095	5,3874877	5,144616667	-0,242871	0,845061943	---	
17206173	4,302487	5,755513	5,670953	5,181564	4,557998	5,260877	5,2429843	5,000146333	-0,2428838	0,845081273	---	
17543396	4,503541	4,321578	4,391664	4,181828	4,119193	4,187815	4,4055943	4,162945333	-0,242649	0,84519199	Eda2r	
17353663	7,478774	8,030306	7,383893	7,442646	7,311338	7,411218	7,630991	7,388400667	-0,24259033	0,84522636	Tmem173	
17358258	4,261824	4,28473	4,689333	4,210969	4,237609	4,059827	4,4119623	4,169468333	-0,242494	0,845282801	1700021P04Rik	
17232977	5,749429	5,710319	5,735881	5,507185	5,306399	5,654593	5,7318763	5,489392333	-0,242484	0,84528866	Scml4	
17431717	4,906146	4,913384	5,129292	4,892679	4,460638	4,86833	4,9829407	4,740549	-0,24239167	0,84534276	---	
17202885	3,461674	4,205996	2,859907	3,226925	3,057518	3,516056	3,5091923	3,266833	-0,24235933	0,845361706	---	
17410809	8,318769	8,276937	8,406269	8,033699	8,078825	8,162405	8,3339917	8,091643	-0,24234867	0,845367956	Lmo4	
17209113	4,770839	5,217896	5,426749	4,788308	5,196361	4,70395	5,1384947	4,896206333	-0,24228833	0,84540331	---	
17206655	6,657515	6,60795	6,248727	5,911905	6,440875	6,434672	6,5047307	6,262484	-0,24224667	0,845427727	---	
17378168	5,220591	5,462149	5,416785	5,156861	4,881152	5,334878	5,3665083	5,124297	-0,24221133	0,845448433	Bpifb5	
17275776	3,804044	3,347386	3,456769	3,228214	3,096022	3,557349	3,5360663	3,293861667	-0,24220467	0,84545234	---	
17408123	4,717103	4,76439	4,522052	4,377151	4,450776	4,449352	4,6678483	4,425759667	-0,24208867	0,845520321	Cd160	
17473666	3,509542	3,581378	3,577635	3,246056	3,384242	3,312007	3,556185	3,314101667	-0,24208333	0,845523447	Vmn1r67	
17399864	6,516791	6,561399	6,423113	6,325509	6,464653	5,985165	6,5004343	6,258442333	-0,241992	0,845576976	Sprr2b	
17219382	5,09041	4,971477	5,005918	4,94208	4,773903	4,626087	5,0226017	4,78069	-0,24191167	0,845624062	Cd244	
17284551	5,087161	5,194539	5,023397	4,928671	4,616431	5,034277	5,101699	4,859793	-0,241906	0,845627383	---	
17370794	4,393378	4,590284	4,446702	4,169556	4,526503	4,008612	4,476788	4,234890333	-0,24189767	0,845632268	---	
17467418	6,137733	6,182336	5,673542	6,321989	5,242172	5,704056	5,9978703	5,756072333	-0,241798	0,845690689	---	
17209537	3,63631	2,749477	3,554197	2,996663	3,075318	3,142783	3,313328	3,071588	-0,24174	0,845724689	---	
17210791	4,299166	3,947618	4,331835	4,16222	3,936696	3,754582	4,192873	3,951166	-0,241707	0,845744034	---	
17310816	9,219791	9,030535	8,906495	8,841194	8,593536	8,997002	9,0522737	8,810577333	-0,24169633	0,845750287	Cmbl	
17250533	9,340012	9,457722	9,417907	9,270985	8,996297	9,223453	9,4052137	9,163578333	-0,24163533	0,845786048	Map2k3	
17476294	6,382498	6,319383	6,347702	5,997634	6,280567	6,046751	6,349861	6,108317333	-0,24154367	0,845839789	---	
17508591	9,734029	10,0718	9,693441	9,450788	9,663089	9,660777	9,83309	9,591551333	-0,24153867	0,845842721	Snord13 // Snord13	
17209887	7,126781	7,257388	7,293914	6,891237	6,819828	7,242517	7,2260277	6,984527333	-0,24150033	0,845865196	---	
17200963	6,886014	6,754688	6,57472	6,449864	5,926245	7,115008	6,738474	6,497039	-0,241435	0,845903502	---	
17201649	8,26063	8,060631	7,879129	7,906965	7,816375	7,752831	8,0667967	7,825390333	-0,24140633	0,845920311	---	
17344905	4,0729	4,098709	4,775772	4,190382	4,110332	3,922651	4,3157937	4,074455	-0,24133867	0,845959988	Olfr116	
17473912	4,080408	3,937403	3,862811	3,579585	3,792636	3,784395	3,9602073	3,718872	-0,24133533	0,845961942	---	
17347666	5,652586	5,394253	5,421008	5,288185	5,144322	5,311469	5,4892823	5,247992	-0,24129033	0,84598833	Gm19696	
17389788	4,432245	3,912954	4,165305	3,749949	4,043582	3,993189	4,170168	3,928906667	-0,24126133	0,846005335	Phgr1 // Phgr1	
17450838	5,238889	5,035961	4,863989	4,811214	4,7585	4,845499	5,0462797	4,805071	-0,24120867	0,84603622	Rnf212 // Rnf212	
17208701	6,312639	6,209352	6,266881	6,228449	5,810456	6,026407	6,2629573	6,021770667	-0,24118667	0,846049121	---	
17286893	5,02304	4,881452	5,289199	4,716729	4,979839	4,773684	5,0645637	4,823417333	-0,24114633	0,846072775	Rnf182	
17379864	8,484985	9,074326	8,856592	8,754092	8,71172	8,22669	8,805301	8,564167333	-0,24113367	0,846080203	1500012F01Rik	
17461625	6,260548	6,525397	6,633953	6,250422	6,09616	6,350096	6,4732993	6,232226	-0,24107333	0,846115587	Ogg1	
17203433	3,70407	4,414773	3,3615	3,528019	3,672474	3,556877	3,826781	3,58579	-0,240991	0,846163875	---	
17200569	5,908914	6,049691	5,166188	5,544082	5,426566	5,431395	5,7082643	5,467347667	-0,24091667	0,846207474	---	
17359858	6,163177	6,112389	5,817624	5,866804	5,917383	5,586323	6,0310633	5,79017	-0,24089333	0,84622116	Dpcd	
17478386	6,013515	5,515447	5,717122	5,477665	5,477665	5,568091	5,7486947	5,507807	-0,24088767	0,846224484	Slc6a5	
17515517	5,429086	5,546071	5,637254	5,364221	5,110362	5,415411	5,5374703	5,296664667	-0,24080567	0,846272583	Cypt4	
17495677	7,590037	7,875243	7,723726	7,604322	7,454298	7,408024	7,7296687	7,488881333	-0,24078733	0,846283337	Eri2	
17299785	5,374248	4,893493	4,878071	5,189352	4,764946	4,469182	5,048604	4,807826667	-0,24077733	0,846289203	---	
17223717	4,168203	4,225373	4,441421	4,111033	3,941743	4,059978	4,2783323	4,037584667	-0,24074767	0,846306606	---	
17351424	5,08234	4,750264	4,616491	4,863742	4,414675	4,44847	4,816365	4,575629	-0,240736	0,84631345	---	
17201333	3,233192	2,797198	3,080417	2,720601	2,814627	2,853606	3,0369357	2,796278	-0,24065767	0,846359403	---	
17536887	4,539853	4,21329	4,902429	4,29157	4,287223	4,354812	4,5518573	4,311201667	-0,24065567	0,846360576	LOC434825	
17378993	4,398159	4,436115	4,458193	4,203981	4,088035	4,278486	4,4308223	4,190167333	-0,240655	0,846360968	---	
17307260	4,144142	4,493281	4,173673	4,039721	3,934634	4,114852	4,2703653	4,029735667	-0,24062967	0,84637583	Gm6904	
17488057	5,537191	5,491481	5,828499	5,541655	5,307053	5,286604	5,619057	5,378437333	-0,24061967	0,846381696	Cyp2s1	
17504558	4,427216	3,998843	4,402833	4,128608	4,25127	3,727334	4,2762973	4,035737333	-0,24056	0,846416701	Ces2f	
17200235	5,681417	5,863087	6,225498	5,31645	6,050817	5,68113	5,923334	5,682799	-0,240535	0,846431369	---	
17204997	7,612864	7,165138	7,291383	7,379691	6,619459	7,348805	7,3564617	7,115985	-0,24047667	0,846465594	---	
17209587	5,588578	5,113638	5,039956	4,756816	5,278327	4,985639	5,2473907	5,006927333	-0,24046333	0,846473417	---	
17207881	3,392521	3,32192	3,900214	3,504533	3,225382	3,163379	3,5382183	3,297764667	-0,24045367	0,846479089	---	
17470829	3,72006	3,839563	3,925822	3,914086	3,243172	3,606835	3,8284817	3,588031	-0,24045067	0,846480849	Rnu7 // Rnu7	
17467499	3,103462	3,456612	3,21248	2,994666	3,226278	2,83087	3,257518	3,017271333	-0,24024667	0,846600551	---	
17302327	5,032018	5,67232	4,70974	4,898182	4,933366	4,862364	5,138026	4,897970667	-0,24005533	0,846712837	---	
17378232	6,636256	6,557925	7,166641	6,321575	6,63666	6,682423	6,7869407	6,546886	-0,24005467	0,846713228	1700003F12Rik	
17200261	5,503767	4,283348	4,012809	4,773048	4,165101	4,141699	4,5999747	4,359949333	-0,24002533	0,846730444	---	
17481651	4,968285	5,062627	5,296388	4,816047	4,962786	4,828526	5,1091	4,869119667	-0,23998033	0,846756855	Tub	
17445629	3,405927	3,566461	3,611678	3,216431	3,387383	3,260617	3,528022	3,288143667	-0,23987833	0,846816724	---	
17202341	4,918676	4,847867	5,311197	4,274309	4,989906	5,093917	5,0259133	4,786044	-0,23986933	0,846822007	---	
17204115	4,473479	5,399346	4,714139	4,726044	4,722425	4,418902	4,8623213	4,622457	-0,23986433	0,846824941	---	
17370341	3,603315	3,344012	3,609007	3,37069	3,441055	3,025075	3,518778	3,27894	-0,239838	0,846840399	Olfr346	
17212931	8,112079	7,901722	7,947791	7,712459	7,740228	7,789454	7,9871973	7,747380333	-0,239817	0,846852725	1700066M21Rik	
17204627	5,860656	5,055357	5,736406	5,2909	4,763395	5,878673	5,5508063	5,310989333	-0,239817	0,846852725	---	
17256924	5,948345	5,73531	5,893302	5,686589	5,764769	5,406207	5,8589857	5,619188333	-0,23979733	0,84686427	Asb16	
17319576	6,516386	6,991022	6,710444	6,536404	6,570738	6,391353	6,739284	6,499498333	-0,23978567	0,846871118	Nhp2l1	
17234809	4,27142	4,244155	3,971123	4,011662	3,852403	3,903316	4,1622327	3,922460333	-0,23977233	0,846878945	Olfr1358	
17308598	5,624802	5,250707	5,534776	5,137106	5,164175	5,389906	5,470095	5,230395667	-0,23969933	0,846921798	Mir687	
17345318	7,294045	7,534367	7,864013	7,413902	6,891212	7,668236	7,5641417	7,32445	-0,23969167	0,846926298	---	
17551085	4,130404	3,807593	4,484828	4,0827	3,904078	3,717062	4,1409417	3,90128	-0,23966167	0,84694391	---	
17431811	4,550979	4,247958	4,715365	4,430262	4,07579	4,289367	4,5047673	4,265139667	-0,23962767	0,84696387	Pla2g2f	
17550046	3,578582	3,76884	4,588456	3,475903	4,05874	3,683017	3,978626	3,73922	-0,239406	0,847094014	---	
17205051	5,921898	5,448704	5,77719	5,874436	5,725787	4,829412	5,7159307	5,476545	-0,23938567	0,847105953	---	
17209241	5,921898	5,448704	5,77719	5,874436	5,725787	4,829412	5,7159307	5,476545	-0,23938567	0,847105953	---	
17451734	5,5434	5,807951	5,734432	5,703305	5,600227	5,064295	5,695261	5,455942333	-0,23931867	0,847145294	---	
17507908	4,049389	3,418081	3,440274	3,605156	3,370027	3,214611	3,6359147	3,396598	-0,23931667	0,847146469	---	
17550524	6,236413	6,576238	6,595509	6,110669	6,308368	6,271379	6,4693867	6,230138667	-0,239248	0,847186791	---	
17517175	8,687589	8,852716	8,594901	8,558043	8,398062	8,461576	8,7117353	8,472560333	-0,239175	0,847229659	Ppp2r1b	
17280138	5,800159	6,18813	6,011025	5,700263	5,714272	5,867262	5,9997713	5,760599	-0,23917233	0,847231225	2410004P03Rik	
17237784	6,108253	6,250646	6,295187	6,107045	6,000885	5,828664	6,2180287	5,978864667	-0,239164	0,847236119	B930054O08	
17212514	6,330913	6,5149	6,755525	6,354395	5,933549	6,596016	6,5337793	6,294653333	-0,239126	0,847258435	---	
17210549	5,734861	5,155145	5,534184	5,286299	5,133613	5,286991	5,47473	5,235634333	-0,23909567	0,847276249	---	
17381772	3,420402	3,143906	3,218205	3,154009	3,077595	2,83411	3,2608377	3,021904667	-0,238933	0,847371787	---	
17325329	8,772131	9,176536	8,590961	8,531141	8,807961	8,483904	8,8465427	8,607668667	-0,238874	0,847406441	Gm5483	
17530728	4,511835	4,73711	4,688068	4,448236	4,338834	4,433536	4,645671	4,406868667	-0,23880233	0,847448538	Iqcf4 // Iqcf4	
17548557	3,327339	2,949765	3,116898	2,921838	2,934441	2,821387	3,131334	2,892555333	-0,23877867	0,84746244	LOC674392 // LOC674392 // LOC674392	
17278239	7,588311	8,381355	8,735892	7,958423	7,639414	8,391643	8,235186	7,996493333	-0,23869267	0,847512959	Serpina4-ps1	
17471268	5,710816	5,152194	5,221941	5,054424	5,186168	5,128299	5,3616503	5,122963667	-0,23868667	0,847516484	---	
17237694	6,250932	6,121902	6,451573	5,975931	6,098383	6,034041	6,2748023	6,036118333	-0,238684	0,84751805	Gm15910	
17201023	8,828979	8,788837	8,917846	8,415071	8,717964	8,686627	8,8452207	8,606554	-0,23866667	0,847528233	---	
17440022	4,14402	4,191148	4,078695	4,039721	3,834641	3,824135	4,1379543	3,899499	-0,23845533	0,847652392	---	
17411101	3,233192	3,200762	3,889484	3,5424	3,046318	3,019465	3,441146	3,202727667	-0,23841833	0,847674132	---	
17226655	9,526913	9,990951	9,630364	9,48531	9,443007	9,505203	9,716076	9,47784	-0,238236	0,847781271	C4bp	
17536252	3,174359	2,941433	3,110977	2,802273	2,965582	2,744347	3,0755897	2,837400667	-0,238189	0,84780889	---	
17305542	3,942567	4,08802	4,306545	3,945549	3,765492	3,911573	4,1123773	3,874204667	-0,23817267	0,847818489	4930503E14Rik	
17411761	9,688919	9,615916	9,432699	9,216831	9,311558	9,494908	9,579178	9,341099	-0,238079	0,847873535	Ccne2	
17201701	4,893562	5,258871	4,590667	4,533134	4,768326	4,727414	4,9143667	4,676291333	-0,23807533	0,84787569	---	
17421491	6,769658	6,953853	7,078559	6,828617	6,61164	6,647593	6,9340233	6,69595	-0,23807333	0,847876865	Gm13152 // Gm13152	
17445627	5,65659	5,644493	5,728378	5,937937	4,562415	5,814889	5,676487	5,438413667	-0,23807333	0,847876865	---	
17424848	4,973059	5,535654	5,111074	5,200671	4,800168	4,904909	5,2065957	4,968582667	-0,238013	0,847912324	---	
17497399	4,548356	4,47258	4,704099	4,31992	4,244141	4,447236	4,5750117	4,337099	-0,23791267	0,847971295	Tcerg1l	
17208877	7,310053	6,888681	6,748486	6,398411	6,790453	7,04486	6,9824067	6,744574667	-0,237832	0,84801871	---	
17210039	4,257555	4,230696	4,267588	4,109601	3,896756	4,036006	4,2519463	4,014121	-0,23782533	0,848022628	---	
17537207	5,909625	5,582738	5,698043	5,231998	5,767066	5,477888	5,7301353	5,492317333	-0,237818	0,848026939	Gm7134	

17467278	5,645548	5,868664	5,953412	5,517835	5,715767	5,520824	5,8225413	5,584808667	-0,23773267	0,8480771	Gm7144
17285532	4,925495	6,197801	5,587691	5,713712	4,840683	5,44345	5,570329	5,332615	-0,237714	0,848088073	---
17209809	7,422273	6,942593	6,790328	6,429636	7,362523	6,650318	7,0517313	6,814159	-0,23757233	0,848171356	---
17494435	4,417015	4,262823	3,989031	4,042931	3,955167	3,958228	4,2229563	3,985442	-0,23751433	0,848205455	Gm19934
17455744	4,377454	4,197277	4,218661	4,311204	3,965263	3,804488	4,264464	4,026985	-0,237479	0,848226229	---
17208369	4,729094	5,122001	5,380706	5,065195	4,629047	4,825171	5,077267	4,839804333	-0,23746267	0,848235832	---
17311213	4,902185	5,052496	5,199987	5,109007	4,835312	4,498652	5,051556	4,814323667	-0,23723233	0,848371268	Rims2
17534567	3,524052	3,241707	3,125055	3,130237	3,162363	2,886556	3,296938	3,059718667	-0,23721933	0,848378913	---
17474689	4,01657	3,631702	4,26846	3,566998	3,782753	3,855404	3,972244	3,735051667	-0,23719233	0,84839479	---
17338532	5,660568	5,784219	6,015223	5,509287	5,529533	5,709628	5,8200033	5,582816	-0,23718733	0,84839773	Gm6934
17322507	5,65096	5,828013	5,599942	5,385177	5,385861	5,596543	5,6929717	5,455860333	-0,23711133	0,848442425	Dnase1
17202483	3,492721	3,317802	2,955394	2,991059	3,040118	3,023752	3,2553057	3,018309667	-0,236996	0,848510254	---
17203079	6,762428	6,749076	6,712797	6,152236	6,651656	6,70951	6,7414337	6,504467333	-0,23696633	0,848527703	---
17299250	4,755542	4,605861	4,955696	4,662983	4,500041	4,443277	4,7723663	4,535433667	-0,23693267	0,848547504	Gm15217
17207141	4,087977	4,677905	4,264567	4,419086	3,852339	4,048657	4,343483	4,106694	-0,236789	0,848632009	---
17250742	10,33067	10,42886	10,37512	10,12458	10,20497	10,09474	10,378217	10,14143	-0,23678667	0,848633381	Snord49a
17386725	5,656063	5,735485	5,405339	5,318751	5,209484	5,558328	5,5989623	5,362187667	-0,23677467	0,84864044	Pde11a
17283475	4,16244	4,384936	4,35746	4,052159	4,214712	3,927875	4,301612	4,064915333	-0,23669667	0,848686323	Mir1936
17331217	3,904957	4,105422	4,118444	3,778572	3,682485	3,957787	4,042941	3,806281333	-0,23665967	0,848708089	Olfr172
17507945	3,160802	2,958644	3,658746	3,037029	3,04627	2,984988	3,2593973	3,022762333	-0,236635	0,8487226	Defb11
17402039	6,0033	5,699485	6,339707	5,876993	5,692201	5,763418	6,014164	5,777537333	-0,23662667	0,848727503	Lrrc39
17200701	3,018452	2,821051	2,914063	2,516188	2,642163	2,885363	2,9178553	2,681238	-0,23661733	0,848732993	---
17274045	8,003378	7,866965	7,77171	7,524316	7,715227	7,69283	7,8806843	7,644124333	-0,23656	0,848766723	Rdh14
17232998	5,784931	5,802515	6,045077	5,724657	5,53066	5,667626	5,8775077	5,640981	-0,23652667	0,848786334	9030612E09Rik
17277679	6,999835	6,413394	6,19675	6,853732	5,6568	6,389907	6,5366597	6,300146333	-0,23651333	0,848794179	Gm2022
17438969	9,028925	9,107594	8,952253	8,817107	8,791164	8,771276	9,0295907	8,793182333	-0,23640833	0,848855956	Pf4
17407496	4,199087	3,718719	4,365368	4,053225	3,701152	3,81971	4,0943913	3,858029	-0,23636233	0,848883022	Crct1
17242328	6,051176	5,750145	5,855344	5,759872	5,307054	5,880984	5,885555	5,649303333	-0,23625167	0,848948141	Krtap10-4
17404195	6,250678	6,027661	6,261213	5,884595	6,00451	5,941871	6,1798507	5,943658667	-0,236192	0,848983253	Gm9733
17541719	3,740187	3,652095	3,983654	3,86069	3,264071	3,542794	3,7919787	3,555851667	-0,236127	0,849021504	Mir450-2
17514933	4,488712	4,083563	4,491501	4,209449	4,21649	3,929719	4,354592	4,118552667	-0,23603933	0,849073097	Olfr855
17200829	4,814709	4,056253	4,882981	4,240507	4,403367	4,402215	4,5846477	4,348696333	-0,23595133	0,84912489	---
17465476	3,508655	3,337367	3,4261	2,95342	3,200363	3,410692	3,4240407	3,188158333	-0,23588233	0,849165502	---
17509018	3,551908	3,830821	3,618491	3,596092	3,325496	3,372049	3,6670733	3,431212333	-0,235861	0,849178059	Gm5347
17331254	4,556902	4,632854	4,59202	4,453457	4,196896	4,424003	4,5939253	4,358118667	-0,23580667	0,84921004	Olfr194
17207367	3,444215	3,77491	3,222027	3,506438	3,05764	3,169655	3,480384	3,244577667	-0,23580633	0,849210236	---
17443874	6,450355	6,234136	6,528426	5,987854	6,351646	6,166013	6,4043057	6,168504333	-0,23580133	0,84921318	Got2
17281773	6,978564	7,096709	7,092763	6,679787	6,863456	6,917521	7,056012	6,820254667	-0,23575733	0,84923908	Timm9
17361580	5,536241	5,203073	5,628058	5,187726	5,190294	5,282111	5,4557907	5,220043667	-0,235747	0,849245162	Tsga10ip
17207537	8,088419	7,817382	8,248734	7,889643	7,611429	7,946588	8,0515117	7,815886667	-0,235625	0,849316981	---
17209201	4,891809	4,933513	4,720836	4,296547	4,582367	4,960807	4,8487193	4,613240333	-0,235479	0,849402936	---
17201625	6,087246	5,446037	6,165894	5,604626	5,885558	5,502562	5,8997257	5,664248667	-0,235477	0,849404113	---
17204337	3,136564	3,277887	3,309791	2,999852	3,075669	2,942354	3,241414	3,005958333	-0,23545567	0,849416674	---
17466838	6,038455	5,690135	5,879434	5,547455	5,786818	5,567448	5,8693413	5,633907	-0,23543433	0,849429234	Hoxa6
17349866	4,34954	4,462514	4,371273	4,249125	4,095345	4,132563	4,3944423	4,159011	-0,23543133	0,849431	Pcdhb1
17403043	6,919415	6,925071	7,108589	6,647635	6,77767	6,821572	6,9843583	6,748959	-0,23539933	0,849449842	Rg9mtd2
17203061	5,514448	5,854236	5,02727	4,948092	5,184708	5,557043	5,465318	5,229947667	-0,23537033	0,849466917	---
17201315	5,413243	4,341628	5,07202	5,249517	3,930138	4,941294	4,942297	4,706983	-0,235314	0,849500087	---
17548812	4,915128	4,483563	4,562692	4,402254	4,370233	4,483511	4,6537943	4,418666	-0,23512833	0,84960942	---
17548856	4,915128	4,483563	4,562692	4,402254	4,370233	4,483511	4,6537943	4,418666	-0,23512833	0,84960942	---
17305334	6,623608	6,407801	6,601083	6,418739	6,552169	5,956202	6,544164	6,309036667	-0,23512733	0,849610009	1700091H14Rik
17397988	3,174915	3,005976	3,397564	2,851993	3,089995	2,9311	3,1928183	2,957696	-0,23512233	0,849612953	---
17459900	8,874971	9,233233	8,9107	8,77843	8,615975	8,919188	9,0063013	8,771197667	-0,23510367	0,849623946	---
17491352	3,724842	3,608191	3,350225	3,243733	3,359213	3,37503	3,561086	3,325992	-0,235094	0,849629639	Mrgprb4
17209825	8,168039	7,57298	7,9553	8,030659	7,641089	7,319328	7,898773	7,663692	-0,235081	0,849637295	---
17249980	9,397696	10,87754	9,038003	9,427978	9,536827	9,643391	9,7710797	9,536065333	-0,23501433	0,849676557	Igtp
17504391	4,812451	4,517561	4,849352	4,377588	4,568241	4,528656	4,7264547	4,491495	-0,23495967	0,849708754	---
17427117	7,017	6,744998	6,893935	6,52457	6,790825	6,635722	6,885311	6,650372333	-0,23493867	0,849721123	---
17427686	7,944825	8,245277	8,115758	8,040272	7,770585	7,790195	8,1019533	7,867017333	-0,234936	0,849722693	Slc35d1
17201317	3,595583	3,835203	3,355596	3,507297	3,073171	3,501186	3,5954607	3,360551333	-0,23490933	0,8497384	---
17386328	7,513956	7,65564	7,300782	7,284398	7,153904	7,327459	7,490126	7,255253667	-0,23487233	0,849760193	Ssb // Ssb
17547877	8,694247	8,57667	8,573164	8,591053	8,315478	8,233036	8,6146937	8,379855667	-0,234838	0,849780415	Deptor
17349540	3,933582	4,125184	3,980412	3,522079	3,909527	3,903203	4,0130593	3,778269667	-0,23478967	0,849808885	---
17266851	7,807827	8,198143	7,648814	7,768795	7,57218	7,609459	7,884928	7,650144667	-0,23478333	0,849812616	Slfn9
17550130	4,496302	4,23602	4,533197	4,470176	3,997084	4,093999	4,4218397	4,187086333	-0,23475333	0,849830288	---
17202953	6,248917	6,377985	5,812904	5,539201	5,892856	6,303567	6,146602	5,911874667	-0,23472733	0,849845603	---
17361006	3,923227	3,897973	3,889484	3,744872	3,537371	3,724322	3,9035613	3,668855	-0,23470633	0,849857974	---
17475202	7,244967	7,382452	7,338559	7,077048	7,681977	6,502848	7,3219927	7,087291	-0,23470167	0,849860723	---
17204781	3,591701	3,815353	3,32369	3,189692	3,317316	3,51964	3,5769147	3,342216	-0,23469867	0,84986249	---
17200095	6,234951	5,920172	6,368279	5,987096	5,753212	6,079072	6,1744673	5,939793333	-0,234674	0,849877021	---
17411304	8,366041	8,757753	8,410317	8,211212	8,348006	8,27125	8,5113703	8,276822667	-0,23454767	0,849951446	Rabggtb
17505769	5,001844	4,957366	5,428479	4,905646	4,970635	4,807924	5,1292297	4,894735	-0,23449467	0,849982671	LOC100861890
17209491	5,367668	4,816724	5,659654	5,358822	4,559881	5,221868	5,2813487	5,046857	-0,23449167	0,849984438	---
17259689	4,860378	5,057277	5,38315	4,590462	5,008071	4,999037	5,1002683	4,865856667	-0,23441167	0,850031573	---
17493272	6,654993	6,964989	6,813234	6,552603	6,593399	6,584011	6,811072	6,576671	-0,234401	0,850037857	Picalm // Picalm
17272080	6,003461	5,838305	6,239794	5,711842	6,031992	5,634574	6,0271867	5,792802667	-0,234384	0,850047874	Itgb4
17469455	5,222825	5,033209	5,049459	4,948903	4,875296	4,778248	5,101831	4,867482333	-0,23434867	0,850068693	Prok2
17283084	3,235654	2,879572	3,171745	2,86978	2,952983	2,76122	3,095657	2,861327667	-0,23432933	0,850080085	---
17300127	5,054227	4,57788	4,796234	4,485264	4,793597	4,446901	4,809447	4,575254	-0,234193	0,85016042	A630038E17Rik
17440653	4,61217	4,377899	4,563162	4,403202	4,08261	4,364845	4,5177437	4,283552333	-0,23419133	0,850161402	1700028D13Rik
17261033	3,914812	4,489657	3,873993	3,791001	4,293118	3,491811	4,0928207	3,858643333	-0,23417733	0,850169652	---
17286198	4,507327	4,667704	4,818121	4,776052	4,069017	4,445602	4,664384	4,430223667	-0,23416033	0,85017967	Prl2c1
17531801	4,068411	4,556921	4,162362	4,025271	3,872157	4,187947	4,2625647	4,028458333	-0,23410633	0,850211493	---
17497877	5,168978	4,969283	5,274457	4,453968	5,325356	4,931152	5,1375727	4,903492	-0,23408067	0,850226619	B230206H07Rik
17227606	6,739445	6,708521	6,782349	6,477338	6,414939	6,635946	6,7434383	6,509407667	-0,23403067	0,850256086	2310009B15Rik
17246381	4,609615	4,378986	4,742558	4,469197	4,257059	4,303018	4,577053	4,343091333	-0,23396167	0,850296753	Mettl7b
17347729	8,8237	8,760949	8,544736	8,527338	8,19238	8,708001	8,709795	8,475906333	-0,23388867	0,850339779	Abcg5
17510127	5,81377	6,057995	5,968764	5,644109	5,551617	5,943285	5,946843	5,713003667	-0,23383933	0,850368857	Jund // Jund
17374683	6,697406	6,53733	6,513369	6,480315	6,161729	6,404671	6,5827017	6,348905	-0,23379667	0,850394006	---
17469739	6,718325	6,60631	6,68651	6,52343	6,560492	6,226037	6,6703817	6,436653	-0,23372867	0,85043409	Rpusd3
17201675	2,601993	3,123178	2,939525	2,537088	2,487218	2,939525	2,888232	2,654610333	-0,23362167	0,850497166	---
17411174	6,901435	6,426807	6,410489	6,348843	6,236125	6,452996	6,579577	6,345988	-0,233589	0,850516424	Gipc2
17545574	3,421144	3,274015	3,696756	3,324052	3,232164	3,135256	3,4639717	3,230490667	-0,233481	0,850580096	Magea5
17209523	6,382597	6,865364	6,608119	6,467532	6,113777	6,574442	6,6186933	6,385250333	-0,233443	0,8506025	---
17249861	4,244969	3,815353	3,828214	3,520393	3,897973	3,769888	3,9628453	3,729418	-0,23342733	0,850611737	---
17549770	10,34636	10,44939	10,58967	10,18454	10,29839	10,20223	10,461807	10,22838667	-0,23342	0,850616061	---
17248496	4,641304	4,758657	4,717746	4,414237	4,499858	4,503492	4,7059023	4,472529	-0,23337333	0,850643576	Gm12128
17473635	4,957511	5,078604	4,70615	4,831351	4,793591	4,417281	4,9140883	4,680741	-0,23334733	0,850658906	Olfr1350
17351328	6,881679	6,914801	6,805084	6,622532	6,644949	6,634044	6,867188	6,633841667	-0,23334633	0,850659496	---
17337650	3,10022	3,136549	2,954654	2,880042	2,772912	2,83863	3,0638077	2,830528	-0,23327967	0,850698805	Gm20516
17370691	4,978708	4,589813	4,449388	4,275777	4,454925	4,587368	4,6726363	4,439356667	-0,23327967	0,850698805	Lypd6b
17207951	4,254347	3,975182	3,928353	4,437312	3,559093	3,46174	4,0526273	3,819381667	-0,23324567	0,850718854	---
17203515	4,987189	5,249014	5,679502	5,54859	4,706526	4,960875	5,305235	5,071997	-0,233238	0,850723375	---
17401890	6,455854	6,306512	6,499451	6,63865	6,026161	5,897629	6,4206057	6,18748	-0,23312567	0,850789618	Amy2a5 // Amy2a5
17401893	6,455854	6,306512	6,499451	6,63865	6,026161	5,897629	6,4206057	6,18748	-0,23312567	0,850789618	Amy2a5 // Amy2a5
17401896	6,455854	6,306512	6,499451	6,63865	6,026161	5,897629	6,4206057	6,18748	-0,23312567	0,850789618	Amy2a5 // Amy2a5
17401899	6,455854	6,306512	6,499451	6,63865	6,026161	5,897629	6,4206057	6,18748	-0,23312567	0,850789618	Amy2a5 // Amy2a5
17425276	9,98691	10,06619	10,03414	9,624599	9,892209	9,871075	10,02908	9,795961	-0,233119	0,850793549	Amd1 // Amd1
17298895	6,025012	5,977435	6,479147	6,063562	5,484224	6,234684	6,1605313	5,92749	-0,23304133	0,850839353	Mir346
17291651	3,737972	3,126438	3,365622	3,097055	3,229846	3,204171	3,4100107	3,177024	-0,23298667	0,850871593	---
17200985	7,361168	7,207276	7,450657	6,346942	7,75059	7,222663	7,3397003	7,106731667	-0,23296867	0,850882209	---
17548612	6,681028	5,924829	6,465476	6,242789	6,058174	6,071473	6,357111	6,124145333	-0,23296567	0,850883979	Gm7710
17467531	3,80278	4,520707	4,098231	4,046291	3,6055	4,071032	4,1405727	3,907607667	-0,232965	0,850884372	---
17206449	4,274301	5,449815	4,669092	4,464497	4,670279	4,559622	4,797736	4,564799333	-0,23293667	0,850901083	---
17414966	4,330268	3,918448	4,101308	3,821136	3,977275	3,85296	4,1166747	3,883790333	-0,23288433	0,850931949	B230208B08Rik
17203427	6,152531	5,276765	4,658056	5,371118	5,135257	4,882334	5,3624507	5,129569667	-0,232881	0,850933915	---
17465164	3,912996	3,979872	4,08986	3,849603	3,620139	3,814367	3,9942427	3,761369667	-0,232873	0,850938634	Rnf148
17205329	3,076368	3,309126	3,401449	2,694316	2,840939	3,553077	3,2623143	3,029444	-0,23287033	0,850940207	---
17333986	6,389078	6,779707	6,054502	6,062334	6,211027	6,251318	6,4077623	6,174893	-0,23286933	0,850940797	Zfp943
17280296	4,530114	4,696278	4,475135	4,531009	3,92864	4,543302	4,5671757	4,334317	-0,23285867	0,850947088	Cys1
17550721	4,926727	4,459721	4,989352	4,50914	4,916491	4,251709	4,7919333	4,559113333	-0,23282	0,850969895	---
17291854	7,277241	7,377294	6,993139	7,117864	6,860003	6,971504	7,2158913	6,983123667	-0,23276767	0,851000765	Rpp40
17425401	6,268556	6,326782	6,650948	6,243613	5,846197	6,45833	6,4154287	6,182713333	-0,23271533	0,851031635	Klf4
17202593	4,94423	5,36541	5,451189	5,444702	4,790835	4,827296	5,2536097	5,020944333	-0,23266533	0,85106113	---
17345862	5,882346	5,645377	5,600907	5,450165	5,338171	5,642299	5,7095433	5,476878333	-0,232665	0,851061327	---
17409960	4,241165	3,921641	4,129259	3,8179	3,826332	3,949863	4,097355	3,864698333	-0,23265667	0,851066243	Gm4610
17548088	3,694432	3,716447	3,664943	3,453524	3,586291	3,338086	3,6919407	3,459300333	-0,23264033	0,851075878	Seh1l // Seh1l
17210247	3,348138	4,159914	4,138418	3,159277	3,592175	4,19722	3,8821567	3,649557333	-0,23259933	0,851100665	---
17366922	7,701011	7,399063	7,477243	7,392404	6,951015	7,536124	7,5257723	7,293181	-0,23259133	0,851104785	Mir669m-1 // Mir669m-1
17391332	5,333464	5,476149	6,726196	5,717009	5,53808	5,583021	5,8452697	5,612703333	-0,23256633	0,851119533	Mal
17208837	3,553077	4,077024	4,580497	3,810213	3,914659	3,788274	4,0701993	3,837715333	-0,232484	0,851168107	---
17546047	6,635309	6,471269	6,564212	6,321593	6,242945	6,40887	6,55693	6,324469333	-0,23246067	0,851181874	Tceanc
17470592	5,501622	5,976578	5,953614	5,539903	5,485547	5,709189	5,8106047	5,578213	-0,23239167	0,851222584	Gdf3
17429562	6,834421	6,955906	6,556295	6,107399	6,834421	6,707659	6,7822073	6,549826333	-0,232381	0,851228878	---

17529928	3,257552	3,320907	3,399925	3,203664	3,079527	2,998278	3,326128	3,093823	-0,232305	0,851273721	---	
17325371	3,164694	3,095245	3,407759	3,064671	3,027545	2,878581	3,222566	2,990265667	-0,23230033	0,851276475	---	
17352415	4,557214	4,703879	4,646078	4,399549	4,465791	4,345103	4,6357237	4,403481	-0,23224267	0,851310502	---	
17442751	4,902563	4,984832	5,093394	4,836358	4,712093	4,73562	4,9935963	4,761357	-0,23223933	0,851312469	4933438B17Rik	
17202497	5,942023	6,242813	6,814929	6,119015	6,024295	6,159751	6,333255	6,101020333	-0,23223467	0,851315223	---	
17204587	5,355229	5,982563	5,67638	4,478018	5,853251	5,986222	5,6713907	5,439163667	-0,232227	0,851319747	---	
17535767	7,527876	7,863766	7,589324	7,457942	7,603634	7,222742	7,660322	7,428106	-0,232216	0,851326238	Rpl10	
17293370	4,208131	3,652197	4,386097	3,781075	3,924714	3,844078	4,0821417	3,849955667	-0,232186	0,851343941	Tpbpa	
17396047	4,653153	4,61159	4,361127	4,515853	4,369709	4,04385	4,5419567	4,309804	-0,23215267	0,851363611	Zfp704	
17401530	6,577137	6,577457	6,401978	6,34313	6,237103	6,279896	6,5188573	6,286709667	-0,23214767	0,851366562	AI504432	
17209863	6,423729	4,555941	4,549095	4,943341	5,164009	4,725449	5,176255	4,944266333	-0,23198867	0,851460397	---	
17221980	3,869367	3,706212	4,257979	3,716725	3,714746	3,706212	3,9445193	3,712561	-0,23195833	0,851478299	Lgsn	
17398651	7,269605	7,450016	7,200252	7,141597	6,863633	7,218806	7,3066243	7,074678667	-0,23194567	0,851485775	---	
17391486	7,886846	7,961093	7,249715	6,938855	7,83724	7,625868	7,699218	7,467321	-0,231897	0,851514499	---	
17263448	4,922757	4,91239	5,035227	4,717006	4,575298	4,882392	4,9567913	4,724898667	-0,23189267	0,851517056	1700007J10Rik	
17339934	6,803337	6,941648	6,750996	6,677552	6,174766	6,948091	6,8319937	6,600136333	-0,23185733	0,851537911	Morn2	
17345404	8,880273	9,63383	9,307695	9,123708	8,872175	9,130351	9,2739327	9,042078	-0,23185467	0,851539485	Gm5093	
17458573	8,487724	8,71982	8,33085	8,217957	8,37788	8,246997	8,512798	8,280944667	-0,23185333	0,851540272	Snx10	
17285777	4,961028	5,177113	5,785156	4,689375	5,161513	5,376869	5,3077657	5,075919	-0,23184667	0,851544207	---	
17456460	3,705186	3,990816	3,620393	3,605219	3,54974	3,466023	3,7721317	3,540327333	-0,23180433	0,851569195	Hyal5	
17484061	5,062213	4,839415	4,928716	4,725814	4,704516	4,704641	4,943448	4,711657	-0,231791	0,851577065	Gm10584	
17534589	3,214071	3,137157	3,158852	2,779313	3,018666	3,01676	3,1700267	2,938246333	-0,23178033	0,851583361	---	
17262589	7,361886	7,35066	7,379666	7,042258	7,252164	7,102541	7,3640707	7,132321	-0,23174967	0,851601463	Ppp2ca // Ppp2ca	
17288856	3,906637	3,772834	4,16992	3,746532	3,690194	3,71748	3,949797	3,718068667	-0,23172833	0,851614056	3110006O06Rik // 3110006O06Rik	
17377851	4,927124	4,795125	5,233922	4,74416	4,644702	4,872262	4,9853903	4,753708	-0,23168233	0,85164121	Xkr7	
17289928	9,427914	9,641355	9,586001	9,345223	9,344466	9,270865	9,5517567	9,320184667	-0,231572	0,851706343	Ppap2a	
17208533	7,269053	6,371771	7,102567	6,801913	6,324494	6,922294	6,9144637	6,682900333	-0,23156333	0,85171146	---	
17260474	9,049075	9,016159	8,832497	8,855318	8,686112	8,661613	8,9659103	8,734347667	-0,23156267	0,851711853	Igfbp3	
17299540	5,703629	5,381838	5,370961	5,323445	5,001491	5,436862	5,485476	5,253932667	-0,23154333	0,851723267	---	
17368367	3,789683	3,494549	3,490715	3,196149	3,398439	3,485913	3,591649	3,360167	-0,231482	0,851759477	Gm2240	
17548158	4,733232	4,390616	4,515395	4,415615	4,468926	4,060353	4,5464143	4,314964667	-0,23144967	0,851778567	C130023O10Rik	
17402744	4,23226	4,363187	4,257873	3,97492	4,000162	4,183955	4,28444	4,053012333	-0,23142767	0,851791556	---	
17210347	4,762059	4,006747	4,711343	4,327509	3,699496	4,758905	4,493383	4,26197	-0,231413	0,851800216	---	
17482678	5,982683	5,691957	5,983172	5,709742	5,718783	5,535072	5,8859373	5,654532333	-0,231405	0,851804939	---	
17239182	7,237114	7,377918	7,375381	6,940212	7,132115	7,223952	7,3301377	7,098759667	-0,231378	0,851820881	---	
17327191	5,802319	5,446765	5,903858	5,480093	5,511014	5,467877	5,7176473	5,486328	-0,23131933	0,85185552	---	
17203189	5,384834	4,986717	4,719485	4,685061	4,646996	5,065156	5,0303453	4,799071	-0,23127433	0,851882091	---	
17229433	10,12494	10,23759	10,21005	9,967653	9,8507	10,06093	10,19086	9,959761	-0,231099	0,851985628	Nuf2	
17208815	5,715323	4,657808	4,255931	4,483939	4,794018	4,657808	4,876354	4,645255	-0,231099	0,851985628	---	
17293386	3,85648	3,673569	4,030237	3,548273	3,632911	3,685863	3,8534287	3,622349	-0,23107967	0,851997046	Ctsq	
17525712	4,316555	3,783142	4,15259	3,655545	4,034609	3,869058	4,0840957	3,853070667	-0,231025	0,85202933	Olfr937	
17269149	4,313673	4,490983	4,517889	4,041857	4,334437	4,253211	4,4408483	4,209835	-0,23101333	0,852036221	Krtap9-3	
17207159	5,219432	5,450266	4,98285	5,694323	4,770577	4,49463	5,217516	4,98651	-0,231006	0,852040552	---	
17291620	5,897724	5,256123	5,658804	5,705925	5,254736	5,15906	5,604217	5,373240333	-0,23097667	0,852057876	---	
17271001	5,287153	5,368751	5,229979	4,686017	5,143119	5,364009	5,2952943	5,064381667	-0,23091267	0,852095675	---	
17357908	4,096635	3,886993	3,572017	3,650754	3,565395	3,647033	3,8518817	3,621060667	-0,230821	0,852149818	Olfr1462	
17537220	3,680728	3,42293	3,398775	3,222422	3,373277	3,214334	3,500811	3,270011	-0,2308	0,852162222	Hdx // Hdx	
17353370	9,309606	9,262539	9,34898	9,131301	9,04321	9,054231	9,3070417	9,076247333	-0,23079433	0,852165569	D0H4S114	
17439029	5,462628	5,300552	5,527353	5,291992	5,22168	5,084481	5,4301777	5,199384333	-0,23079333	0,852166159	Areg	
17372742	9,15945	8,110344	8,459799	8,717649	8,222658	8,096956	8,576531	8,345754333	-0,23077667	0,852176004	---	
17315763	5,188631	5,19523	5,082076	4,811668	5,133029	4,828945	5,1553123	4,924547333	-0,230765	0,852182895	Egflam	
17236892	4,652314	4,981543	4,370052	4,58401	4,26734	4,46032	4,6679697	4,437223333	-0,23074633	0,852193922	---	
17499739	5,381755	5,2774	4,941087	4,652043	5,493601	4,762463	5,2000807	4,969369	-0,23071167	0,852214399	Defa22	
17203267	4,251544	4,326756	4,407565	4,064926	4,1802	4,048815	4,3286217	4,097980333	-0,23064133	0,852255947	---	
17200609	4,082957	4,198265	4,284527	3,776428	4,589379	3,508131	4,188583	3,957979333	-0,23060367	0,852278199	---	
17548888	7,865158	7,848143	8,194093	7,726916	7,704161	7,784576	7,9691313	7,738551	-0,23058033	0,852291983	---	
17200819	2,97489	2,853286	3,532758	3,015634	2,891199	2,762698	3,1203113	2,889843667	-0,23046767	0,852358545	---	
17394114	5,613053	5,401936	5,432451	5,350516	5,061344	5,344225	5,48248	5,252028333	-0,23045167	0,852367998	Wfdc12	
17202755	5,067676	5,603624	5,149384	5,214114	4,902611	5,01264	5,2735613	5,043121667	-0,23043967	0,852375088	---	
17420561	6,068029	6,601713	6,235336	6,093725	5,921983	6,198162	6,3016927	6,07129	-0,23040267	0,852396948	Tmco4	
17342740	7,030223	6,965531	6,850156	6,471366	6,987671	6,695814	6,9486367	6,718283667	-0,230353	0,852426294	AI413582	
17212211	7,064888	7,156662	7,032048	6,859383	6,823267	6,88005	7,0845327	6,854233333	-0,23029933	0,852458004	Il1rl1	
17255495	5,528498	5,712646	5,834357	5,37266	5,455899	5,556301	5,6918337	5,46162	-0,23021367	0,852508624	---	
17298823	8,653172	8,77538	8,885637	8,599856	8,442576	8,58112	8,7713963	8,541184	-0,23021233	0,852509412	Gm3219	
17218565	5,931329	6,206049	6,307159	5,963263	5,839519	5,951276	6,148179	5,918019333	-0,23015967	0,852540534	Scarna3a	
17366910	3,670556	3,868619	3,398734	3,405028	3,249518	3,59308	3,6459697	3,415875333	-0,23009433	0,852579142	---	
17246402	4,397355	4,048156	4,357955	3,943021	4,001341	4,168962	4,267822	4,037774667	-0,23004733	0,852606918	Olfr770	
17202339	4,46677	3,804598	4,538875	3,969384	4,496336	3,654613	4,270081	4,040111	-0,22997	0,852652622	---	
17305980	6,632089	6,767951	6,550059	6,696072	6,408187	6,155987	6,650033	6,420082	-0,229951	0,852663851	Ccnb1ip1	
17549288	3,433534	3,21773	3,404076	3,208277	3,14854	3,008714	3,35178	3,121843667	-0,22993633	0,85267252	---	
17547591	6,628211	6,028753	6,338434	6,139568	6,020213	6,145884	6,3317993	6,101888333	-0,229911	0,852687493	Kansl1 // Kansl1	
17284599	3,554013	3,551335	3,568092	3,46698	3,207062	3,309705	3,5578133	3,327915667	-0,22989767	0,852695373	---	
17430004	3,672617	4,011465	4,348565	4,007362	3,846023	3,489617	4,0108823	3,781000667	-0,22988167	0,85270483	---	
17408821	4,74406	4,608003	4,945165	4,433153	4,634363	4,540151	4,7657427	4,535889	-0,22985367	0,852721379	1700095B22Rik	
17370592	3,574038	3,362052	3,513931	3,300744	3,307661	3,152382	3,4833403	3,253595667	-0,22974467	0,852785807	---	
17229255	5,049314	4,764592	4,905242	4,939956	4,473008	4,617011	4,9063827	4,676658333	-0,22972433	0,852797827	---	
17325734	3,391997	3,205643	3,475328	3,118356	3,234125	3,031374	3,357656	3,127951667	-0,22970433	0,852809649	---	
17209139	6,49801	5,875776	5,834197	5,838396	5,730423	5,95008	6,0693277	5,839633	-0,22969467	0,852815363	---	
17207227	4,795128	5,148775	4,900741	4,367508	5,284379	4,503798	4,9482147	4,718561667	-0,229653	0,852839994	---	
17206869	4,517476	3,724976	4,01908	3,657472	3,653668	4,261608	4,0871773	3,857582667	-0,22959467	0,852874478	---	
17362369	5,785373	5,647693	5,982496	5,50616	5,412987	5,807698	5,8051873	5,575615	-0,22957233	0,852887681	Slc22a26	
17400486	6,309507	6,476744	6,200356	6,230956	5,887199	6,180013	6,328869	6,099389333	-0,22947967	0,852942465	Mtmr11	
17471073	4,909373	4,723915	5,020625	4,440274	4,826696	4,6988	4,8846377	4,655256667	-0,229381	0,8530008	Cd27	
17404230	5,637597	5,677276	5,677563	5,583035	5,271069	5,450417	5,6641453	5,434840333	-0,229305	0,853045737	Gm5150	
17200777	5,367772	6,179344	6,526035	5,545222	6,170619	5,669403	6,0243837	5,795081333	-0,22930233	0,853047314	---	
17203545	9,450855	8,673324	9,129256	8,790726	8,654283	9,120618	9,0844783	8,855209	-0,22926933	0,853066826	---	
17457056	5,141912	4,540269	5,305835	4,713437	4,872669	4,714394	4,9960053	4,766833333	-0,229172	0,853124381	B230378P21Rik	
17550548	10,56292	11,09338	10,83553	10,64517	10,61806	10,54128	10,83061	10,60150333	-0,22910667	0,853163017	---	
17238642	3,997832	3,694432	3,863158	3,634662	3,632288	3,601159	3,8518073	3,622703	-0,22910433	0,853164396	Olfr763	
17352330	7,206549	6,919191	6,724067	6,625092	6,738204	6,799294	6,9499357	6,720863333	-0,22907233	0,85318332	Cd226	
17478256	4,852522	5,254592	4,842739	4,708925	4,706918	4,846912	4,9832843	4,754251667	-0,22903267	0,853206779	Gm9999	
17454500	6,675159	7,231787	7,589112	7,367948	6,628965	6,812193	7,1653527	6,936368667	-0,228984	0,853235561	Tmem184a	
17373721	7,388151	7,621824	7,360027	7,300915	7,033906	7,348277	7,4566673	7,227699333	-0,228968	0,853245023	Apip	
17216165	3,258996	3,905092	3,184677	3,207742	3,405366	3,048784	3,4495883	3,220630667	-0,22895767	0,853251135	---	
17288344	4,688148	4,011986	4,011118	3,621618	4,37278	4,030025	4,237084	4,008141	-0,228943	0,853259809	Zfp273	
17373855	3,412427	3,704773	3,740769	3,418641	3,465952	3,286685	3,619323	3,390426	-0,228897	0,853287016	---	
17320666	6,363671	6,006285	6,566124	6,072261	6,308223	5,86907	6,3120267	6,083184667	-0,228842	0,853319546	Slc2a13	
17289329	5,918204	5,389927	5,806977	5,423391	5,245308	5,759891	5,705036	5,476196667	-0,22883933	0,853321123	Fam169a	
17233767	4,103772	4,436691	4,210738	4,113511	3,594226	4,357047	4,2504003	4,021594667	-0,22880567	0,853341037	Mir5108	
17335842	7,191505	7,071542	6,598106	6,420732	6,795169	6,959066	6,9537177	6,724989	-0,22872867	0,853386583	Pde9a	
17358271	10,50917	10,88532	10,53141	10,1419	10,37138	10,72659	10,641967	10,41329	-0,22867667	0,853417343	Cycs	
17321951	3,996043	3,730739	4,112451	3,741353	3,490128	3,921745	3,946411	3,717742	-0,228669	0,853421878	Krt6a	
17200473	5,079444	5,732654	4,227798	4,922423	5,025336	4,406494	5,0132987	4,784751	-0,22854767	0,853493655	---	
17237510	5,869243	6,029163	5,739804	5,570948	5,786188	5,595758	5,8794033	5,650964667	-0,22843867	0,853558142	4933412E12Rik	
17427162	4,883944	4,70893	4,838143	4,42178	4,862743	4,461246	4,810339	4,581923	-0,228416	0,853571552	---	
17436872	5,233346	5,103491	5,278294	5,001773	4,898596	5,029714	5,2050437	4,976694333	-0,22834933	0,853610996	Sh3tc1	
17502049	6,551971	6,772058	6,747215	6,260073	6,688481	6,437656	6,6904147	6,46207	-0,22834467	0,853613758	2010320M18Rik	
17221284	5,162054	4,886014	4,990992	4,822382	4,794168	4,737624	5,01302	4,784724667	-0,22829533	0,853642948	---	
17444494	5,469224	5,141301	5,072201	4,810242	5,585775	4,601945	5,2275753	4,999320667	-0,22825467	0,853667011	Gm15708	
17208265	6,994102	6,267499	6,728879	6,51039	6,410558	6,385138	6,6634933	6,435362	-0,22813133	0,853739992	---	
17429277	3,673522	3,453524	3,50379	3,357935	3,275247	3,313287	3,543612	3,315489667	-0,22812233	0,853745318	Olfr1338	
17205819	6,872033	6,305827	6,759689	6,725423	5,432458	7,095304	6,6458497	6,417728333	-0,22812133	0,85374591	---	
17443106	3,153102	3,494078	3,801958	3,139356	3,496907	3,128692	3,483046	3,254985	-0,228061	0,853781614	---	
17448821	5,767362	6,138916	6,036558	5,837747	5,65844	5,762642	5,9809453	5,752943	-0,22800233	0,853816333	Ociad2	
17283855	4,711657	4,929637	4,916517	4,619422	4,592348	4,662168	4,8526037	4,624646	-0,22795767	0,853842769	---	
17321578	6,150891	6,479677	6,452045	6,21651	6,176783	6,005581	6,360871	6,132958	-0,227913	0,853869204	Bcdin3d	
17496698	6,90459	6,457348	6,675282	6,250772	6,536572	6,566324	6,6790733	6,451222667	-0,22785067	0,853906098	Zfp688	
17466055	4,472969	4,827841	4,533739	4,476187	4,310479	4,364576	4,6115163	4,383747333	-0,227769	0,853954436	1700025N23Rik	
17469244	6,896514	6,594915	6,606994	6,490941	6,561804	6,362494	6,6994743	6,471746333	-0,227728	0,853978705	---	
17424243	7,050935	6,657298	6,494459	6,127444	6,579159	6,813157	6,7342307	6,506586667	-0,227644	0,854028429	AI464131	
17400334	4,178727	3,957767	4,063515	3,846554	3,345629	4,324895	4,0666697	3,839026	-0,22764367	0,854028626	Gm4349	
17550244	5,164009	6,173804	5,403666	5,310339	5,58268	5,165584	5,580493	5,352867667	-0,22762533	0,854039479	---	
17358737	3,793144	3,735646	3,398148	3,491746	3,404516	3,347891	3,6423127	3,414717667	-0,227595	0,854057436	Lipk	
17208387	5,240652	5,414211	5,333368	5,092599	4,716875	5,496091	5,3294103	5,101855	-0,22755533	0,854080918	---	
17473443	5,855187	5,690375	5,754146	5,592604	5,455884	5,56875	5,7665693	5,539079333	-0,22749	0,854119597	Zfp865	
17308731	10,04403	10,29441	10,3223	9,958167	10,0417	9,978485	10,220247	9,992784	-0,22746267	0,854135779	Tpt1 // Tpt1	
17210673	3,440851	3,000852	2,966452	2,779487	3,094266	2,852332	3,1360517	2,908695	-0,22735667	0,854198538	---	
17284577	7,069125	6,802738	6,007766	6,256648	6,458295	6,48266	6,626543	6,399201	-0,227342	0,854207222	Ighv1-53 // Ighv1-53	
17354428	3,960772	3,895997	3,806421	3,655088	3,540948	3,785237	3,88773	3,660424333	-0,22730567	0,854228735	---	
17358043	7,080328	7,319652	7,210551	6,934903	7,134081	6,859695	7,2035103	6,976226333	-0,227284	0,854241564	D030056L22Rik	
17248076	8,982105	8,883728	8,68424	8,866831	7,872552	9,12891	8,8500243	8,622764333	-0,22726	0,854255775	---	
17455550	3,131431	2,943245	3,362455	2,804961	3,169432	2,781121	3,1457103	2,918504667	-0,22720567	0,854287947	---	
17396053	4,548701	4,234055	4,752591	4,361712	4,246259	4,245769	4,5117823	4,28458	-0,22720233	0,854289921	---	
17309832	6,514496	6,600867	6,147667	5,944361	6,346176	6,290936	6,42101	6,193824333	-0,22718567	0,85429979	C6 // C6	

17257852	7,28691	7,180012	7,330009	7,035132	7,093704	6,986891	7,2656437	7,038575667	-0,227068	0,85436947	Arsg
17456051	5,186376	4,899323	5,088541	4,937404	4,801136	4,754683	5,05808	4,831074333	-0,22700567	0,854406385	---
17231850	5,394048	5,033523	5,142302	4,937862	5,058216	4,892885	5,1899577	4,962987667	-0,22697	0,854427508	Gm20139
17381937	4,901605	4,784784	4,783222	4,495048	4,864636	4,429316	4,8232037	4,596333333	-0,22687033	0,854486537	---
17270048	6,64241	6,416239	6,368723	6,232989	6,15646	6,357505	6,4757907	6,248984667	-0,226806	0,854524642	Ppy
17231135	6,228185	6,003169	6,017572	5,964041	5,860535	5,744059	6,0829753	5,856211667	-0,22676367	0,854549716	Hhat
17398779	6,401625	6,565117	6,451573	6,064012	6,307182	6,366907	6,4727717	6,246033667	-0,226738	0,85456492	Etv3l
17229162	6,464683	6,531572	6,736908	6,3793	6,343908	6,329764	6,577721	6,350990667	-0,22673033	0,854569461	Gm16548
17366722	3,900884	3,184777	3,470272	3,505522	3,24358	3,126785	3,5186443	3,291962333	-0,226682	0,854598091	Mir669e // Mir669e
17549250	5,573061	5,465089	5,307575	5,028727	5,162735	5,474318	5,448575	5,221926667	-0,22664833	0,854618034	---
17549324	5,573061	5,465089	5,307575	5,028727	5,162735	5,474318	5,448575	5,221926667	-0,22664833	0,854618034	---
17209497	3,146729	3,208287	3,528906	3,122218	3,017634	3,06422	3,2946407	3,068024	-0,22661667	0,854636793	---
17391490	5,934265	6,139029	6,070387	5,7441	5,885954	5,833816	6,0478937	5,82129	-0,22660367	0,854644494	Zc3h8
17501122	4,540089	4,089337	4,386341	4,189358	4,220752	3,925994	4,338589	4,112034667	-0,22655433	0,85467372	---
17388599	9,059806	9,207212	9,046811	8,841862	8,963983	8,828401	9,1046097	8,878082	-0,22652767	0,854689517	Ttc17
17471840	6,679787	6,989743	6,7594	6,328875	6,719697	6,700972	6,8096433	6,583181333	-0,226462	0,854728421	Magohb
17204313	6,524314	6,472839	6,715	6,769817	6,248733	6,01441	6,5707177	6,34432	-0,22639767	0,854766536	---
17213179	7,061981	7,322752	6,962126	6,891794	6,868081	6,908016	7,1156197	6,889297	-0,22632267	0,854810973	Ndufb3
17369787	3,050789	3,084763	3,268621	2,7768	2,90765	3,040817	3,1347243	2,908422333	-0,226302	0,854823219	Mir199b
17208759	5,452255	5,066794	5,331056	4,610457	5,265434	5,295356	5,2833683	5,057082333	-0,226286	0,854832699	---
17288112	6,366714	5,999117	5,893764	5,554735	6,015222	6,01079	6,0865317	5,860249	-0,22628267	0,854834674	Mir24-1
17317167	7,408172	7,250621	7,106016	7,196237	6,76912	7,120659	7,2549363	7,028672	-0,22626433	0,854845537	Has2
17206149	4,076418	4,001651	3,693479	3,824946	3,559058	3,709117	3,9238493	3,697707	-0,22614233	0,854917829	---
17424762	5,949862	6,142623	6,024247	6,013518	5,685642	5,739239	6,0389107	5,812799667	-0,226111	0,854936397	Rgp1 // Rgp1
17538841	9,352459	9,586881	9,90542	9,869114	8,352508	9,944988	9,61492	9,38887	-0,22605	0,854972546	---
17240089	6,085672	6,095247	6,243894	5,93248	6,012086	5,80217	6,1416043	5,915578667	-0,22602567	0,854986967	Tpd52l1
17478201	9,318561	9,390205	9,223239	8,997932	9,079511	9,176716	9,3106683	9,084719667	-0,22594867	0,855032601	Gtf2h1
17478793	4,961435	4,881839	5,026909	4,555039	4,821184	4,816339	4,9567277	4,730854	-0,22587367	0,855077052	Magel2
17201735	7,850682	7,2048	7,769292	7,505649	7,294629	7,347039	7,608258	7,382439	-0,225819	0,855109453	---
17201911	7,850682	7,2048	7,769292	7,505649	7,294629	7,347039	7,608258	7,382439	-0,225819	0,855109453	---
17548790	4,788789	5,179266	5,089255	4,654041	4,812123	4,913724	5,0191033	4,793296	-0,22580733	0,855116368	LOC100861683
17548793	4,788789	5,179266	5,089255	4,654041	4,812123	4,913724	5,0191033	4,793296	-0,22580733	0,855116368	LOC100861683
17548799	4,788789	5,179266	5,089255	4,654041	4,812123	4,913724	5,0191033	4,793296	-0,22580733	0,855116368	LOC100861683
17215372	9,96345	10,14486	9,945959	9,91627	9,825126	9,635455	10,01809	9,792283667	-0,225806	0,855117158	Scarna6
17519394	6,636647	6,832238	6,387392	6,318285	6,353645	6,506984	6,618759	6,392971333	-0,22578767	0,855128025	Myo5a
17234845	4,250055	4,240047	4,646212	3,991865	4,214331	4,25279	4,3787713	4,152995333	-0,225776	0,85513494	Olfr1355
17453771	6,075605	5,162359	6,032208	6,001332	5,166875	5,42466	5,756724	5,530955667	-0,22576833	0,855139484	Mir721
17341365	5,596327	5,55019	5,612951	5,286052	5,504053	5,292225	5,5864893	5,360776667	-0,22571267	0,855172481	Zfp820 // Zfp820
17387852	3,683499	3,456966	3,681852	3,403427	3,204275	3,537482	3,607439	3,381728	-0,225711	0,855173469	---
17200967	7,883653	8,397782	8,400614	7,349587	8,262352	8,393028	8,2273497	8,001655667	-0,225694	0,855183546	---
17376889	4,949017	4,447143	4,710006	4,588513	4,500896	4,339714	4,7020553	4,476374333	-0,225681	0,855191252	Mir1952
17381200	7,57661	7,720325	7,528299	7,19179	7,391731	7,564723	7,6084113	7,382748	-0,22566333	0,855201724	Rpp38
17408897	9,850816	10,36661	10,17817	9,928797	10,01572	9,774242	10,131865	9,906253	-0,22561233	0,855231956	Chi3l3
17351902	3,968287	3,645678	3,811416	3,526926	3,553454	3,668512	3,8084603	3,582964	-0,22549633	0,855300724	Skor2
17424904	5,764575	4,581336	5,149345	4,988422	4,90502	4,9255	5,1650853	4,939647333	-0,225438	0,855335308	---
17387802	3,721571	3,897973	3,728887	3,684813	3,094266	3,893121	3,7828103	3,5574	-0,22541033	0,855351711	Olfr1163
17239354	6,958365	7,019592	7,117173	6,682872	6,983989	6,752059	7,03171	6,806306667	-0,22540333	0,855355861	Stx11
17204075	5,366644	4,054958	4,31651	4,532253	4,536633	3,993241	4,5793707	4,354042333	-0,22532833	0,855400329	---
17241614	4,095576	4,440171	4,627339	4,022785	4,381985	4,082606	4,3876953	4,162458667	-0,22523667	0,855454681	1700023F02Rik // 1700023F02Rik
17347978	3,811601	3,718248	3,806501	3,599575	3,536682	3,52447	3,7787833	3,553575667	-0,22520767	0,855471877	---
17477031	5,557097	4,778487	5,079364	5,077769	4,639882	5,021841	5,138316	4,913164	-0,225152	0,855504886	Gm9268
17219895	3,577787	3,805283	3,139585	3,159837	3,398091	3,289371	3,5075517	3,282433	-0,22511867	0,855524653	---
17370594	3,355747	3,432161	3,266589	3,004649	3,279974	3,094759	3,351499	3,126460667	-0,22503833	0,855572292	---
17203393	4,919363	4,795733	5,913642	4,632559	5,285893	5,035234	5,2095793	4,984562	-0,22501733	0,855584746	---
17384983	3,105625	3,169335	3,379369	2,964063	3,138828	2,876459	3,2181097	2,993116667	-0,224993	0,855599177	---
17201423	3,435401	3,32388	3,590138	3,269264	3,271292	3,134516	3,4498063	3,225024	-0,22478233	0,855724123	---
17301256	5,581311	5,595376	5,784609	5,341074	5,660812	5,285103	5,6537653	5,428996333	-0,224769	0,855732032	Sox7
17319527	3,386372	3,467279	3,23017	3,284373	2,986159	3,13899	3,3612737	3,136507333	-0,22476633	0,855733614	---
17359855	4,198182	4,198182	4,710007	4,099689	4,042282	4,290138	4,3687903	4,144036333	-0,224754	0,855740929	LOC100861983
17201325	4,177191	3,309675	4,163574	3,908195	3,387687	3,680407	3,88348	3,658763	-0,224717	0,855762876	---
17430231	4,885059	4,852691	4,67979	4,718117	4,589379	4,435929	4,8058467	4,581141667	-0,224705	0,855769994	Gm12947
17225984	3,974238	4,800143	4,430903	3,941068	4,234782	4,355451	4,4017613	4,177100333	-0,224661	0,855796094	---
17548246	4,457687	4,436346	4,504794	4,164966	4,322886	4,237106	4,4662757	4,241652667	-0,224623	0,855818636	Gm10723
17376862	5,409839	5,219529	5,373877	5,123181	5,245717	4,960683	5,334415	5,109860333	-0,22455467	0,855859173	---
17205291	2,998697	3,243094	3,097833	2,776052	3,024387	2,865644	3,113208	2,888694333	-0,22451367	0,855883496	---
17209481	2,998697	3,243094	3,097833	2,776052	3,024387	2,865644	3,113208	2,888694333	-0,22451367	0,855883496	---
17423049	4,433446	3,740214	4,569188	4,368071	3,911291	3,789976	4,247616	4,023112667	-0,22450333	0,855889626	---
17202445	3,414343	3,553885	3,381781	3,596535	3,231679	2,848322	3,450003	3,225512	-0,224491	0,855896943	---
17511885	4,591474	4,662896	4,773468	4,436068	4,556717	4,361586	4,675946	4,451457	-0,224489	0,85589813	---
17450119	4,082744	4,02792	4,040419	3,70459	3,72528	4,047882	4,050361	3,825917333	-0,22444367	0,855925025	---
17351831	11,00298	11,51987	11,23302	10,97379	11,09092	11,01789	11,251957	11,02753333	-0,22442333	0,855937088	Snord58b
17504112	8,427773	8,526762	8,384873	8,139306	8,298391	8,228502	8,4464693	8,222066333	-0,224403	0,855949152	Arl2bp
17538571	4,704012	4,407308	4,683213	4,459814	4,34273	4,31878	4,5981777	4,373774667	-0,224403	0,855949152	Tmem29 // Tmem29
17418462	4,549084	4,744357	5,336534	4,479879	4,70062	4,776341	4,8766583	4,65228	-0,22437833	0,855963787	1700041M05Rik
17547931	10,78955	11,02844	10,80547	10,6163	10,57049	10,76369	10,874487	10,65016	-0,22432667	0,855994441	Set // Set
17407826	5,807924	5,982544	6,038095	5,470093	5,879585	5,806047	5,9428543	5,718575	-0,22427933	0,856022526	Mcl1 // Mcl1
17336071	4,80187	4,678967	4,326497	4,489629	4,144887	4,500272	4,6024447	4,378262667	-0,224182	0,856080281	Olfr55
17398115	4,78772	4,437165	4,785537	4,547551	4,399381	4,39095	4,6701407	4,445960667	-0,22418	0,856081468	Ptx3
17343789	5,961828	6,844094	5,632368	5,865826	5,954312	5,945727	6,1460967	5,921955	-0,22414167	0,856104215	Psmb9
17209735	5,627995	5,564349	5,66837	6,332351	4,537863	5,318147	5,620238	5,396120333	-0,22411767	0,856118456	---
17398441	6,135649	5,844133	5,913542	5,612403	5,574929	6,033726	5,9644413	5,740352667	-0,22408867	0,856135666	Accn5
17455736	5,29213	4,794019	4,980061	4,846463	4,618721	4,928771	5,02207	4,797985	-0,224085	0,856137842	LOC100862180 // LOC100862166 // Gm7
17229389	5,20619	5,36439	5,340467	5,071329	5,102543	5,065079	5,3036823	5,079650333	-0,224032	0,856169294	Uck2
17516227	3,968182	3,56317	3,892963	3,702514	3,415221	3,634487	3,808105	3,584074	-0,224031	0,856169887	Olfr922
17263705	6,790728	6,561185	6,456553	6,381135	6,252792	6,502809	6,602822	6,378912	-0,22391	0,856241698	Gm16516
17374610	7,486196	7,455873	7,416526	7,223978	7,204877	7,258065	7,452865	7,228973333	-0,22389167	0,856252579	S430417L22Rik
17524077	5,252528	5,338366	5,414175	5,024413	5,268913	5,04012	5,335023	5,111148667	-0,22387433	0,856262866	Fut4
17290823	7,391846	7,428077	7,007426	6,921337	7,057326	7,177162	7,275783	7,051941667	-0,22384133	0,856282453	1600012F09Rik
17386090	4,282392	4,59181	4,837004	4,533871	4,252998	4,252995	4,570402	4,346621333	-0,22378067	0,856318461	Scn7a
17548494	3,382272	3,914413	2,931293	3,177715	3,432396	2,946587	3,409326	3,185566	-0,22376	0,856330728	Vmn2r122
17395141	8,900433	8,982516	9,01053	8,629005	8,900756	8,692469	8,964493	8,740743333	-0,22374967	0,856336861	---
17416714	6,556358	6,690729	6,705998	6,558475	6,295922	6,427442	6,6510283	6,427279667	-0,22374867	0,856337455	Cc2d1b
17486764	4,36446	4,340546	4,461851	4,178641	4,154587	4,162422	4,3889523	4,165216667	-0,22373567	0,856345171	Obox6
17528772	7,866602	8,226941	8,172568	7,778922	8,005304	7,810712	8,0887037	7,864979333	-0,22372433	0,856351899	LOC100861984
17535642	3,536984	2,96153	3,426786	3,162875	3,101929	2,989332	3,3084333	3,084712	-0,22372133	0,856353679	---
17450501	8,790777	10,35132	7,986391	8,671318	8,872492	8,913635	9,0428293	8,819148333	-0,223681	0,856377621	Gbp10
17201547	5,934948	6,0234	6,221427	5,635684	5,963191	5,909914	6,059925	5,836263	-0,223662	0,856388899	---
17523630	5,686711	5,379007	5,76998	5,331787	5,632612	5,200412	5,6118993	5,388270333	-0,223629	0,856408488	---
17423739	3,203131	3,246006	3,030635	2,996805	2,903018	2,909274	3,159924	2,936365667	-0,22355833	0,856450438	---
17439013	4,580802	3,832814	4,034961	3,935809	3,915675	3,926437	4,1495257	3,925973667	-0,223552	0,856454198	Epgn
17285780	4,477019	4,90503	4,55416	4,745332	4,234172	4,286157	4,645403	4,421887	-0,223516	0,85647557	Vmn1r208 // Vmn1r208
17548328	5,591028	5,640759	5,763194	5,471894	5,291475	5,561302	5,6649937	5,441557	-0,22343667	0,856522668	Ube4b // Ube4b
17351838	8,532601	8,237899	8,362319	8,234131	8,019202	8,209291	8,3776063	8,154208	-0,22339833	0,856545427	---
17292640	6,222097	5,961777	6,108587	5,753416	5,873776	5,995162	6,097487	5,874118	-0,223369	0,856562843	Ror2
17435048	6,801449	6,874267	6,732567	6,383822	6,719239	6,635356	6,802761	6,579472333	-0,22328867	0,85661054	Tmem60
17534074	5,958249	6,425209	5,996189	5,796692	6,013518	5,899591	6,126549	5,903267	-0,223282	0,856614498	Lonrf3
17211568	6,887954	6,828898	7,135143	6,609684	6,841641	6,730902	6,950665	6,727409	-0,223256	0,856629936	1700001G17Rik
17205733	6,620133	6,119764	5,681714	5,500183	5,881991	6,369709	6,140537	5,917294333	-0,22324267	0,856637853	---
17462219	5,869337	5,904535	5,810006	5,782007	5,638118	5,494364	5,8612927	5,638163	-0,22312967	0,856704952	Bms1 // Bms1
17404811	3,787952	3,816206	3,782388	3,628913	3,377755	3,710561	3,7955153	3,572409667	-0,22310567	0,856719204	E330009D11
17236096	9,463626	9,799486	9,559301	9,353946	9,365365	9,433917	9,607471	9,384409333	-0,22306167	0,856745333	---
17353962	7,762515	7,732509	7,595521	7,744469	7,255274	7,421645	7,6968483	7,473796	-0,22305233	0,856750876	Fgf1
17201531	7,305398	7,030556	7,294649	7,522101	6,398108	7,041289	7,210201	6,987166	-0,223035	0,85676116	---
17357815	8,803176	9,19166	8,823148	8,756692	8,713261	8,679015	8,939328	8,716322667	-0,22300533	0,856778787	Fam111a
17476424	9,25376	9,177617	9,215766	9,435464	8,782482	8,760432	9,2157143	8,992792667	-0,22292167	0,856828476	Prodh2
17279107	6,090267	5,877425	6,242341	5,717223	5,815865	6,008215	6,070011	5,847101	-0,22291	0,856835405	A230065H16Rik
17207377	5,80473	6,392499	6,207554	6,050685	6,057084	5,628534	6,1349277	5,912101	-0,22282667	0,856884899	---
17476609	4,637566	4,492094	4,503625	4,699906	4,14167	4,123326	4,5444283	4,321634	-0,22279433	0,856904104	Gm5325
17457609	8,823084	9,083935	8,864271	8,812029	8,532859	8,758197	8,9237633	8,701028333	-0,222735	0,856939346	Mgam
17342538	4,997732	4,95061	5,054021	4,813194	4,557496	4,963603	5,0007877	4,778097667	-0,22269	0,856966076	A930017K11Rik
17417078	4,303915	3,639186	3,685458	3,530791	3,775807	3,653935	3,8761863	3,653511	-0,22267533	0,856974788	---
17394060	6,061859	6,213821	6,32061	5,988799	5,969666	5,969927	6,1987633	5,976130667	-0,22263267	0,857000133	---
17511565	3,80802	3,778152	3,655524	3,548116	3,540574	3,485263	3,747232	3,524651	-0,222581	0,857030825	---
17204411	5,813539	4,899521	4,326848	5,186303	4,835091	4,350882	5,0133027	4,790758667	-0,222544	0,857052805	---
17428419	4,587755	4,37411	4,830308	4,370378	4,226053	4,528111	4,597391	4,374847333	-0,22254367	0,857053003	---
17427207	4,71096	4,474003	4,882591	4,888864	4,160205	4,350921	4,6891847	4,466663333	-0,22252133	0,857066271	---
17206599	5,473101	4,912503	5,928225	5,147458	5,94805	4,550768	5,437943	5,215425333	-0,22251767	0,857068449	---
17215697	6,706765	6,464786	6,735622	6,399809	6,520246	6,319583	6,6357243	6,413212667	-0,22251167	0,857072013	Ramp1
17523457	6,948109	6,868979	6,764043	6,473023	6,804103	6,636712	6,860377	6,637946	-0,222431	0,857119937	D9Ertd402e
17285803	3,897973	3,583719	3,46952	3,23069	3,461926	3,591324	3,650404	3,42798	-0,222424	0,857124096	Vmn1r223
17372039	4,965466	4,686732	5,039468	4,605829	4,589379	4,829436	4,897222	4,674881333	-0,22234067	0,857173606	Hoxd12
17200249	5,719263	4,73366	5,610102	5,062698	4,916656	5,416669	5,3543417	5,132007667	-0,222334	0,857177567	---
17528768	6,329746	6,055956	6,032014	5,859204	5,908699	5,982815	6,1392387	5,916906	-0,22233267	0,85717836	4930509E16Rik
17220937	3,664313	3,658198	3,778732	3,50894	3,487164	3,438348	3,7004143	3,478150667	-0,22226367	0,857219357	---

17467239	6,070806	5,344115	6,091422	5,928225	5,197132	5,714272	5,8354477	5,613209667	-0,222238	0,857234608	---
17498323	5,888394	5,637236	5,899199	5,754137	5,52654	5,477545	5,8082763	5,586074	-0,22220233	0,857255801	Tnfrsf23
17415172	3,266746	3,270892	2,944799	3,15971	2,758317	2,897863	3,1608123	2,93863	-0,22218233	0,857267685	---
17206349	6,887668	6,81406	6,735004	5,809862	7,298991	6,661397	6,812244	6,590083333	-0,22216067	0,85728056	---
17201335	4,102222	4,780201	4,252894	3,680495	4,258605	4,529775	4,378439	4,156291667	-0,22214733	0,857288483	---
17303589	4,572781	4,025068	4,211829	3,96545	3,937007	4,240984	4,2698927	4,047813667	-0,222079	0,857329089	Olfr720
17245675	7,130924	6,953641	6,901939	6,74542	6,845074	6,730047	6,9955013	6,773513667	-0,22198767	0,857383366	Tsfm
17308734	8,366778	8,502588	8,185795	8,015721	8,160542	8,21298	8,3517203	8,129747667	-0,22197267	0,857392281	Gtf2f2
17478864	8,550764	8,715841	8,679611	8,286913	8,491638	8,501952	8,6487387	8,426834333	-0,22190433	0,857432892	Mtmr10
17203013	6,045864	4,844294	5,096572	4,896065	5,073768	5,351259	5,32891	5,107030667	-0,22187933	0,85744775	---
17446616	3,48937	3,557357	3,544976	3,499116	3,271671	3,155467	3,5305677	3,308751333	-0,22181633	0,857485194	---
17231491	4,933087	5,223134	4,855891	4,749084	4,68055	4,91725	5,0040373	4,782294667	-0,22174267	0,85752898	Gm3213
17481205	4,490521	4,231842	4,550708	4,166704	4,273924	4,167407	4,424357	4,202678333	-0,22167867	0,857567022	Olfr606
17330152	4,223897	4,973823	4,559141	4,475005	4,225952	4,390911	4,5856203	4,363956	-0,22166433	0,857575542	---
17399845	5,538309	5,310056	5,3678	5,241523	5,289733	5,019971	5,4053883	5,183742333	-0,221646	0,85758644	Pglyrp3
17299268	8,311747	8,439754	8,527491	8,179944	8,113854	8,320268	8,4263307	8,204688667	-0,221642	0,857588818	Cdkn3
17459801	7,009777	6,718801	6,904644	6,519845	6,848288	6,600674	6,8777407	6,656269	-0,22147167	0,857690076	AW146020
17420445	8,850776	8,206307	8,389545	8,639118	7,699434	8,443725	8,4822093	8,260759	-0,22145033	0,857702759	---
17242306	5,239321	5,430603	5,652472	5,194111	5,30233	5,161629	5,4407987	5,219356667	-0,221442	0,857707713	LOC100862482
17213317	8,581232	9,089728	8,74291	8,656816	8,618618	8,474127	8,8046233	8,583187	-0,22143633	0,857711082	---
17399794	5,355667	5,33665	5,462674	4,898375	5,424092	5,168362	5,384997	5,163609667	-0,22138733	0,857740214	S100a2
17447038	7,59187	7,523327	7,380137	6,891006	7,301005	7,639241	7,4984447	7,277084	-0,22136067	0,857756069	Ppp1cb // Ppp1cb
17200133	7,928985	7,471892	8,156171	7,800215	7,709991	7,382949	7,8523493	7,631051667	-0,22129767	0,857793526	---
17497514	5,083737	4,723726	4,950706	4,670556	4,645779	4,778253	4,9193897	4,698196	-0,22119367	0,857855365	6430531B16Rik
17325093	7,181489	7,279546	6,896881	6,692328	6,937273	7,064775	7,1193053	6,898125333	-0,22118	0,857863491	Muc13
17355304	6,068461	6,758341	6,322093	6,534014	5,878968	6,07254	6,382965	6,161840667	-0,22112433	0,857896593	4930503L19Rik
17550452	7,790277	7,694193	7,645669	7,443669	7,46983	7,553298	7,7100463	7,488932333	-0,221114	0,857902737	---
17344568	8,354718	8,50336	8,254443	8,079358	8,142132	8,228059	8,3708403	8,149849667	-0,22099067	0,857976081	H2-T23
17427792	5,017085	4,846398	4,894593	4,825875	4,530612	4,738656	4,9193587	4,698381	-0,22097767	0,857983812	Tmem61
17231421	4,558515	3,941137	4,241045	4,099021	3,97019	4,008661	4,246899	4,025957333	-0,22094167	0,858005222	---
17257054	9,380487	9,497282	9,671251	9,083908	9,401674	9,400614	9,51634	9,295398667	-0,22094133	0,85800542	---
17540574	4,039774	4,581026	4,07366	4,038082	4,015827	3,977808	4,2314867	4,010572333	-0,22091433	0,858021478	4930453H23Rik
17491406	4,74531	4,662376	4,748977	4,353744	4,522205	4,617998	4,7188877	4,497982333	-0,22090533	0,858026831	1700081H22Rik
17257055	10,71485	10,43149	10,62782	10,44039	10,45376	10,21796	10,591387	10,37070333	-0,22068333	0,858158873	---
17414364	6,450924	6,278757	6,334725	6,254762	6,17145	5,976176	6,354802	6,134129333	-0,22067267	0,858165218	Akap2
17341470	4,048205	3,938719	4,159731	4,010903	3,790722	3,683107	4,048885	3,828244	-0,220641	0,858184054	Vmn2r114
17302919	6,331107	6,467876	6,685662	6,309732	6,322491	6,190724	6,4948817	6,274315667	-0,220566	0,858228669	4930594M22Rik
17490180	5,355002	4,5432	5,155964	5,186175	4,429355	4,776988	5,0180553	4,797506	-0,22054933	0,858238584	---
17300408	5,299658	5,174331	5,585965	5,477873	5,035509	4,884927	5,353318	5,132769667	-0,22054833	0,858239179	Zfhx2 // Zfhx2
17400006	6,554728	6,592439	6,534375	6,755163	6,072242	6,192628	6,560514	6,340011	-0,220503	0,858266147	Tdpoz2 // Tdpoz2
17418854	6,15752	6,091831	5,92498	5,901627	5,615106	5,996307	6,0581103	5,83768	-0,22043033	0,858309378	---
17468816	5,699362	5,556832	5,422318	5,285727	5,334023	5,397498	5,559504	5,339082667	-0,22042133	0,858314732	---
17447326	6,630201	5,989182	6,625074	5,95832	6,230316	6,394791	6,414819	6,194475667	-0,22034333	0,858361139	---
17261439	5,360247	5,624745	5,467884	5,106361	5,27564	5,409855	5,484292	5,263952	-0,22034	0,858363122	Bod1
17224154	4,195956	4,747412	4,444607	4,070064	4,340013	4,316997	4,4626583	4,242358	-0,22030033	0,858386723	Ankar
17288239	5,544752	5,828722	4,678112	5,473465	5,258587	4,658654	5,3505287	5,130235333	-0,22029333	0,858390888	Gm10324 // Gm10324
17232591	3,243112	3,050085	3,050514	2,856042	2,931742	2,895055	3,1145703	2,894279667	-0,22029067	0,858392475	---
17476535	5,103462	5,061538	5,287949	4,84928	5,054112	4,888695	5,150983	4,930695667	-0,22028733	0,858394458	Dmkn
17426940	3,514125	3,741991	3,401563	3,339756	3,301949	3,355232	3,5525597	3,332312333	-0,22024733	0,858418258	---
17208609	4,962665	5,745379	5,735923	5,626596	4,907869	5,248996	5,4813223	5,261153667	-0,22016867	0,858465067	---
17305592	5,759737	5,615924	5,705534	5,793797	5,256977	5,370263	5,6937317	5,473679	-0,22005267	0,858534094	4930431P03Rik
17268784	3,274996	3,2726	3,194546	3,07198	2,983706	3,026428	3,2473807	3,027371333	-0,22000933	0,858559882	---
17432458	4,101969	4,127079	4,038408	4,126953	3,709031	3,771502	4,089152	3,869162	-0,21999	0,858571388	---
17455554	8,082539	8,119015	8,231883	7,907761	8,029903	7,83601	8,144479	7,924558	-0,219921	0,858612452	N4bp2l1
17492327	4,338254	3,977942	4,601832	3,887855	3,909117	4,461294	4,3060093	4,086088667	-0,21992067	0,85861265	---
17518793	5,049211	4,993742	5,158957	4,982644	4,736273	4,823281	5,0673033	4,847399333	-0,219904	0,858622569	---
17204817	7,579548	7,795827	7,614131	7,616016	7,694818	7,019003	7,6631687	7,443279	-0,21988967	0,8586311	---
17298620	5,620533	5,55517	5,661786	5,254981	5,424342	5,498561	5,6124963	5,392628	-0,21986833	0,858643796	1810011H11Rik
17390596	7,963023	8,340304	8,090414	7,70556	7,911733	8,116858	8,131247	7,911383667	-0,21986333	0,858646772	Serf2 // Serf2
17380464	8,781712	9,077237	8,915012	8,544785	8,646091	8,923643	8,9246537	8,704839667	-0,219814	0,858676134	2210418O10Rik
17367726	4,885325	4,472653	4,308971	4,358377	4,401057	4,248201	4,5556497	4,335878333	-0,21977133	0,85870153	---
17499956	3,413254	3,583197	3,599582	3,282203	3,303099	3,351504	3,532011	3,312268667	-0,21974233	0,858718791	---
17302548	3,498934	3,488174	3,093203	2,906405	3,171048	3,343766	3,3601037	3,140406333	-0,21969733	0,858745576	---
17291490	3,470659	3,398063	3,367116	2,937584	3,304569	3,334607	3,411946	3,192253333	-0,21969267	0,858748354	Prl7d1
17209837	5,520802	5,225176	5,438217	5,505032	4,679616	5,34051	5,3947317	5,175052667	-0,219679	0,858756489	---
17206683	5,549414	5,345059	5,602084	5,155141	5,267297	5,415165	5,4988523	5,279201	-0,21965133	0,858772957	---
17530881	6,462017	6,678699	6,706519	6,275323	6,453182	6,459812	6,615745	6,396105667	-0,21963933	0,8587801	Cish // Cish
17210731	5,171987	5,530552	5,52396	5,842094	4,998801	4,72676	5,408833	5,189218333	-0,21961467	0,858794784	---
17204359	3,991905	4,694499	4,829631	4,83096	3,698006	4,328228	4,505345	4,285731333	-0,21961367	0,858795379	---
17549922	5,492846	5,079921	5,329365	5,067192	5,076385	5,099748	5,3007107	5,081108333	-0,21960233	0,858802125	---
17251653	5,319772	5,230309	5,403666	5,262176	4,691483	5,341349	5,3179157	5,098336	-0,21957967	0,858815618	Kdm6b
17331019	6,354482	6,42098	6,349656	5,893719	6,271377	6,30137	6,3750393	6,155488667	-0,21955067	0,858832882	2310061J03Rik
17422678	5,4254	5,473324	5,78965	5,345531	5,232135	5,452086	5,5627913	5,343250667	-0,21954067	0,858838835	Vwa1
17395844	6,54359	6,260546	6,460136	6,070146	6,316887	6,218658	6,421424	6,201897	-0,219527	0,858846971	Stmn3
17350203	5,049016	4,779597	5,284451	4,813187	4,884378	4,756933	5,037688	4,818166	-0,219522	0,858849947	Spink5
17432503	6,745127	6,127608	6,85186	6,65488	6,149932	6,261882	6,574865	6,355564667	-0,21930033	0,858981918	---
17368163	3,724853	3,93337	3,791702	3,571231	3,779198	3,441665	3,8166417	3,597364667	-0,219277	0,85899581	Lcn13
17365623	6,436329	6,500407	6,147589	5,963917	6,154143	6,308578	6,3614417	6,142212667	-0,219229	0,859024391	---
17534247	3,707207	3,465126	3,927741	3,425928	3,32249	3,694027	3,7000247	3,480815	-0,21920967	0,859035902	---
17359940	8,766048	9,20666	9,378703	8,998181	9,012686	8,683071	9,117137	8,897979333	-0,21915767	0,859066866	---
17531482	10,46935	10,89147	10,88863	10,50696	10,636	10,44906	10,749817	10,53067333	-0,21914333	0,859075401	Camp
17516124	4,042325	3,748953	3,710719	3,6388	3,445708	3,760226	3,833999	3,614911333	-0,21908767	0,859108549	Olfr878
17548683	7,442478	7,679321	7,593752	7,217539	7,292593	7,548429	7,5718503	7,352853667	-0,21899667	0,85916274	Rab8a // Rab8a
17541108	4,850333	4,700604	5,147017	4,634521	4,922763	4,483686	4,899318	4,680323333	-0,21899467	0,859163931	Rhox8
17273304	5,602948	5,351073	5,837576	5,230345	5,343096	5,561225	5,597199	5,378222	-0,218977	0,859174452	Cbr2
17205059	5,605546	5,825562	6,10774	5,450692	5,701813	5,729536	5,8462827	5,627347	-0,21893567	0,859199068	---
17209249	5,605546	5,825562	6,10774	5,450692	5,701813	5,729536	5,8462827	5,627347	-0,21893567	0,859199068	---
17358018	3,899787	3,43112	3,993208	3,733325	3,422203	3,511906	3,774705	3,555811333	-0,21889367	0,859224081	---
17519789	4,238678	4,071415	4,187472	3,972848	3,961047	3,907311	4,165855	3,947068667	-0,21878633	0,859288008	---
17360078	6,292903	6,12431	6,046695	5,72792	6,000998	6,078643	6,154636	5,935853667	-0,21878233	0,859290391	2010012O05Rik
17208959	5,407363	5,245724	5,431633	5,353047	4,98339	5,092262	5,3615733	5,142899667	-0,21867367	0,859355117	---
17202987	4,669446	4,468444	3,671804	3,827807	3,821243	4,504634	4,269898	4,051228	-0,21867	0,859357301	---
17453106	5,933719	6,204231	6,386792	5,806663	6,231064	5,831038	6,174914	5,956255	-0,218659	0,859363853	Zfp11
17268640	3,994832	6,267233	6,129892	4,861149	4,320177	6,554924	5,4639857	5,245416667	-0,218569	0,859417465	---
17337193	5,235874	5,557343	5,331761	5,118289	5,119707	5,231639	5,3749927	5,156545	-0,21844767	0,859489746	Psors1c2
17405168	4,659667	4,418959	4,709742	4,470831	4,527205	4,13544	4,5961227	4,377825333	-0,21829733	0,859579312	LOC622124
17487471	6,089315	6,419953	6,288821	5,976652	6,115928	6,050624	6,2660297	6,047734667	-0,218295	0,859580703	Ceacam16
17355634	5,756906	5,98388	5,614691	5,395556	5,711379	5,593686	5,785159	5,566873667	-0,21828533	0,859586462	Hsbp1l1
17378315	9,484195	9,828964	9,254292	9,013151	9,324605	9,57495	9,5224837	9,304235333	-0,21824833	0,859608508	---
17299351	3,088061	3,309125	3,084785	2,828365	2,871208	3,127682	3,160657	2,942418333	-0,21823867	0,859614268	---
17240957	5,481872	5,428328	5,514335	5,677308	5,137711	4,955097	5,474845	5,256705333	-0,21813967	0,859673258	---
17299493	3,416449	3,413514	3,295663	3,050296	3,159327	3,261607	3,3752087	3,157076667	-0,218132	0,859677826	Olfr742
17300061	4,559912	4,117609	4,709686	4,409277	4,094185	4,229516	4,4624023	4,244326	-0,21807633	0,859710998	---
17203881	4,701343	5,156477	4,643016	4,37869	4,842819	4,625212	4,833612	4,615573667	-0,21803833	0,859733642	---
17333962	5,151433	5,389811	4,94347	4,733171	4,964381	5,133098	5,1615713	4,94355	-0,21802133	0,859743773	Gm10509 // Gm10509
17458006	4,209467	3,955922	3,749363	3,650534	3,751596	3,858672	3,971584	3,753600667	-0,21798333	0,859766419	Olfr13
17409513	10,44761	10,42891	10,74692	10,9681	10,11485	9,886648	10,541147	10,32319933	-0,21794733	0,859787873	Amy2a5
17201311	3,105647	2,744061	4,067469	3,226817	3,018262	3,018262	3,3057257	3,087780333	-0,21794533	0,859789065	---
17349552	7,060331	7,350744	7,566083	7,121591	7,311442	6,89051	7,3257193	7,107847667	-0,21787167	0,85983968	Snora74a
17305910	4,936025	4,742043	4,722834	4,373187	4,750082	4,624057	4,8003007	4,582442	-0,21785867	0,859840716	3632451O06Rik
17408345	7,991308	8,290206	8,749088	8,634853	7,599052	8,143227	8,343534	8,125710667	-0,21782333	0,859861775	Hsd3b6 // Hsd3b6
17363078	4,751534	4,664274	4,522861	4,421051	4,686337	4,177886	4,646223	4,428424667	-0,21779833	0,859876675	Olfr262
17203843	5,217458	5,065495	5,885576	4,90296	5,255376	5,356954	5,3895097	5,171763333	-0,21774633	0,859907669	---
17455507	8,704689	8,780489	8,433548	8,322002	8,343317	8,600334	8,6395753	8,421884333	-0,217691	0,859940651	Hsph1
17201855	6,476089	6,79036	7,366512	6,988023	6,668965	6,323029	6,8776537	6,660005667	-0,217648	0,859966282	---
17489933	5,060619	4,802451	5,113034	4,699493	4,78839	4,83553	4,9920347	4,774471	-0,21756367	0,860016553	---
17345391	5,497841	4,967185	4,731839	4,910054	4,878036	4,75611	5,0656217	4,848066667	-0,217555	0,860021719	Slc22a7
17406452	10,61848	11,01621	10,99345	10,77466	10,75183	10,449	10,876047	10,65849667	-0,21755	0,8600247	Rnu73b
17550178	3,377985	3,354555	3,200618	3,10528	3,141089	3,034335	3,3110527	3,093568	-0,21748467	0,860063648	---
17305585	4,509693	4,418873	4,429707	4,165149	4,230491	4,310429	4,4527577	4,235356333	-0,21740133	0,860113328	Ptgdr
17480641	5,48811	5,571456	5,833842	5,447852	5,470261	5,323092	5,631136	5,413735	-0,217401	0,860113527	Kcne3
17471881	4,555305	4,626575	4,494452	4,086078	4,521062	4,417082	4,5587773	4,341407333	-0,21737	0,860132009	Tas2r130
17205123	4,17732	3,971634	5,236205	3,859212	4,602653	4,271186	4,4617197	4,244350333	-0,21736933	0,860132406	---
17209313	4,17732	3,971634	5,236205	3,859212	4,602653	4,271186	4,4617197	4,244350333	-0,21736933	0,860132406	---
17538830	9,141737	9,226464	9,030727	8,151549	9,308389	9,286993	9,132976	8,915643667	-0,21733233	0,860154466	---
17531395	4,752242	4,381766	5,133665	4,368816	4,737612	4,509361	4,755891	4,538596333	-0,21729467	0,860176924	Fbxw23
17202171	5,686255	5,631177	5,814138	5,85992	4,835312	5,784457	5,7105233	5,493229667	-0,21729367	0,86017752	---
17223390	8,497339	8,703178	8,620857	8,350368	8,367073	8,452085	8,6071247	8,389842	-0,21728267	0,860184079	Orc2
17390997	7,936817	7,861358	7,840768	7,632261	7,738813	7,616024	7,8796477	7,662366	-0,21728167	0,860184675	Secisbp2l
17361090	11,30933	11,36733	11,59737	11,21808	11,18369	11,22045	11,424677	11,20740667	-0,21727	0,860191631	BC021614
17363171	3,498356	3,186485	3,473269	3,480255	2,827918	3,198222	3,3860367	3,168798333	-0,21723833	0,860210512	Olfr1501
17415813	4,097625	3,62943	3,524457	3,418747	3,586029	3,59504	3,750504	3,533272	-0,217232	0,860214288	---
17545977	3,742074	3,569928	3,291222	3,226622	3,391559	3,333383	3,534408	3,317188	-0,21722	0,860221443	---
17248209	4,235469	4,105505	4,246564	3,989077	3,771259	4,175733	4,195846	3,978689667	-0,21715633	0,860259406	---

17200311	3,211997	2,985439	3,290582	2,70765	3,262549	2,866364	3,1626727	2,945521	-0,21715167	0,860262189	---	
17414097	3,360174	3,312074	3,289438	3,066507	3,357916	2,885854	3,320562	3,103425667	-0,21713633	0,860271332	---	
17202347	4,705082	3,87488	4,199275	4,328793	3,973302	3,825812	4,2597457	4,042635667	-0,21711	0,860287035	---	
17280254	5,352182	5,428185	5,00221	4,848343	4,821138	5,461788	5,260859	5,043756333	-0,21710267	0,860291407	Gm5433	
17265724	5,713627	5,955352	5,508615	5,244945	5,592659	5,688758	5,7258647	5,508787333	-0,21707733	0,860306514	Gsg2	
17351840	8,722261	9,468328	9,011652	8,719143	8,719309	9,112663	9,0674137	8,850371667	-0,217042	0,860327584	---	
17455401	7,052492	7,524492	7,155277	7,110878	6,813522	7,156765	7,244087	7,027055	-0,217032	0,860333548	Slc7a1	
17312066	3,819045	3,670017	3,732044	3,576596	3,31804	3,675413	3,7403687	3,523349667	-0,217019	0,8603413	---	
17508125	6,453208	6,703854	6,747037	6,381208	6,360165	6,512096	6,6346997	6,417823	-0,21687667	0,860426184	Ank1 // Ank1	
17549436	7,334335	7,438916	7,306535	7,089958	7,15662	7,183455	7,3599287	7,143344333	-0,21658433	0,86060055	---	
17295757	9,936415	9,984938	10,02518	9,685046	9,855414	9,75649	9,9821777	9,76565	-0,21652767	0,860634353	Ccnb1	
17260775	8,750811	8,705424	8,482363	8,293237	8,494899	8,501176	8,6461993	8,429770667	-0,21642867	0,860693413	Pno1	
17373937	4,750622	4,960531	4,952663	4,590948	4,700839	4,722917	4,8879387	4,671568	-0,21637067	0,860728016	LOC100862167	
17363101	6,751658	6,850348	6,369684	6,597873	6,272553	6,452329	6,65723	6,440918333	-0,21631167	0,860763217	Keg1	
17378337	6,806279	7,052763	7,022552	6,710766	6,808649	6,713336	6,9605313	6,744250333	-0,216281	0,860781514	Map1lc3a	
17451356	5,541641	5,370595	5,754601	5,408213	5,244399	5,36541	5,5556123	5,339340667	-0,21627167	0,860787083	Sgsm1	
17281919	3,809289	3,620721	4,06345	3,795846	3,480486	3,568381	3,8311533	3,614904333	-0,216249	0,860800607	---	
17308299	9,152119	9,351207	9,130935	9,113249	8,982473	8,890182	9,2114203	8,995301333	-0,216119	0,860878176	Slc39a14	
17509498	6,423847	5,955798	6,162338	6,259759	5,620186	6,013752	6,180661	5,964565667	-0,21609533	0,860892299	Gm15881	
17352549	7,165126	7,641946	7,063667	7,226206	7,090921	6,905378	7,2902463	7,074168333	-0,216078	0,860902642	Mpp7	
17382098	4,208116	3,862777	3,99666	3,625026	4,032634	3,761785	4,0225177	3,806481667	-0,216036	0,860927705	---	
17501504	6,813843	6,443746	6,100789	6,292185	6,030998	6,387306	6,4527927	6,236829667	-0,215963	0,860971269	---	
17311428	8,459283	8,37433	8,224982	8,195217	8,02282	8,192848	8,352865	8,136961667	-0,21590333	0,861006878	Ebag9	
17206651	3,327971	2,816391	3,135597	2,78638	2,78638	3,05954	3,0933197	2,877433333	-0,21588633	0,861017023	---	
17464080	11,40205	11,24727	11,27797	10,94247	11,18443	11,1528	11,309097	11,09323333	-0,21586333	0,86103075	Slco1b2	
17489965	4,813343	5,186856	5,198501	4,772658	4,910697	4,86782	5,0662333	4,850391667	-0,21584167	0,861043681	Gm6124	
17202025	4,425797	5,128468	4,767479	4,781246	4,167336	4,726242	4,7739147	4,558274667	-0,21564	0,86116405	---	
17403533	7,806873	7,729641	7,595381	7,293284	7,556732	7,63499	7,7106317	7,495002	-0,21562967	0,861170218	Ctbs	
17491454	7,63744	7,843199	7,715632	7,588298	7,367611	7,593554	7,7320903	7,516487667	-0,21560267	0,861186335	Nipa1	
17536950	6,218782	6,016908	6,694921	5,909606	6,310001	6,064248	6,3102037	6,094618333	-0,21558533	0,861196682	1700018G05Rik	
17210793	3,119588	3,430924	2,939109	3,209539	2,718995	2,914351	3,163207	2,947628333	-0,21557867	0,861200662	---	
17402535	4,48339	4,02787	3,998537	3,9121	3,93705	4,013922	4,1699323	3,954357333	-0,215575	0,861202851	---	
17445596	4,420089	4,413713	4,815438	4,235146	4,332652	4,434834	4,5497467	4,334210667	-0,215536	0,861226132	Grm3	
17473477	7,886533	7,924166	8,141776	7,6199	7,910918	7,775084	7,9841583	7,768634	-0,21552433	0,861233096	U2af2	
17442719	6,931726	7,457588	7,039219	7,039704	6,674812	7,067459	7,1428443	6,927325	-0,21551933	0,861236081	Aacs	
17238675	3,639452	3,882225	3,560215	3,86514	3,28891	3,281325	3,693964	3,478458333	-0,21550567	0,861244239	Olfr791	
17207241	4,71344	3,617488	4,490758	3,911873	4,237303	4,026325	4,2738953	4,058500333	-0,215395	0,861310307	---	
17378450	6,216123	5,98739	6,275811	5,805073	6,008678	6,019606	6,1597747	5,944452333	-0,21532233	0,861353691	Mmp24	
17457683	3,793942	3,888949	4,533059	3,947164	3,807988	3,814962	4,0719833	3,856704667	-0,21527867	0,861379762	---	
17380360	8,767359	8,58882	8,44297	8,203417	8,563141	8,386843	8,5997163	8,384467	-0,21524933	0,861397276	Tubb1	
17265126	9,33175	9,500964	9,445431	9,06992	9,259437	9,303197	9,4260483	9,210851333	-0,215197	0,861428524	Gabarap // Gabarap	
17214981	4,919424	5,283067	5,0812	5,052615	4,85794	4,727658	5,0945637	4,879404333	-0,21515933	0,861451015	---	
17319801	4,263692	4,655207	4,802136	3,973759	4,473743	4,628127	4,5736783	4,358543	-0,21513533	0,861465345	A4galt	
17303360	6,586448	6,905386	5,490187	6,56454	5,733553	6,038532	6,3273403	6,112208333	-0,215132	0,861467336	Gm10338	
17328201	9,349295	9,603984	9,388229	9,215121	9,130908	9,350226	9,4471693	9,232085	-0,21508433	0,861495799	Gspt1	
17336458	5,398071	5,816973	5,469018	5,499942	5,339756	5,199137	5,561354	5,346278333	-0,21507567	0,861500974	Tap2	
17201281	4,957609	4,623403	4,588957	3,84512	4,771066	4,908575	4,723323	4,508253667	-0,21506933	0,861504756	---	
17278296	3,838965	4,312799	3,93068	3,817153	3,824041	3,796235	4,0274813	3,812476333	-0,215005	0,861543174	Serpina3i	
17244563	4,492158	4,642436	5,127447	4,227347	4,875814	4,513903	4,7540137	4,539021333	-0,21499233	0,861550738	Csl	
17262404	4,967087	5,269722	5,154421	4,715574	5,012043	5,018655	5,13041	4,915424	-0,214986	0,86155452	Zfp879	
17397142	7,295	7,592486	7,151796	7,036046	7,059927	7,298494	7,3464273	7,131489	-0,21493833	0,861582986	Spata5	
17444836	5,372218	4,622832	4,887745	4,739758	4,856291	4,641973	4,9609317	4,746007333	-0,21492433	0,861591347	Gsx1	
17225085	4,17471	3,913627	4,020078	3,832565	3,777611	3,853813	4,0361383	3,821329667	-0,21480867	0,861660427	---	
17545553	4,734448	3,846132	4,414006	4,477519	4,113278	3,759844	4,3315287	4,116880333	-0,21464833	0,861756193	Magea3	
17249829	6,966672	7,339661	7,066482	6,92482	6,787674	7,016791	7,1242717	6,909761667	-0,21451	0,861838827	LOC100862216	
17362839	4,839532	5,001168	5,154851	5,063306	4,576142	4,713025	4,998517	4,784157667	-0,21435933	0,861928837	Ms4a10	
17437923	7,834532	7,876067	7,570656	7,425919	7,677369	7,53514	7,7604183	7,546142667	-0,21427567	0,861978824	Tmem33	
17294688	3,4563	3,378054	3,545119	3,238956	3,354249	3,143515	3,4598243	3,245573333	-0,214251	0,861993562	Gm17750	
17225578	3,173687	3,245746	3,584233	3,014061	3,303093	3,043766	3,3345553	3,120306667	-0,21424867	0,861994957	Olfr1416	
17264314	3,037897	3,089748	3,528414	3,085682	2,931599	2,996042	3,2186863	3,004441	-0,21424533	0,861996948	---	
17208819	4,938167	4,579649	3,866308	4,303847	3,88429	4,553301	4,4613747	4,247146	-0,21422867	0,862006906	---	
17338378	7,549771	7,613588	7,347195	7,195558	7,423629	7,248709	7,503518	7,289298667	-0,21421933	0,862012483	Treml4	
17534157	6,113493	5,816356	6,014204	5,636713	5,767877	5,896924	5,981351	5,767171333	-0,21417967	0,862036184	Rnf113a1	
17210713	5,70442	4,914911	5,168084	5,175085	4,907707	5,062426	5,2624717	5,048406	-0,21406567	0,862104304	---	
17455061	8,747545	8,6369	8,621326	8,330622	8,558912	8,47415	8,6685903	8,454561333	-0,214029	0,862126215	Pdap1	
17366768	4,188158	3,409476	3,372015	3,564316	3,282899	3,480425	3,6565497	3,442546667	-0,214003	0,862141752	---	
17466253	4,740974	3,968103	4,340424	4,189605	4,26623	3,951859	4,3498337	4,135898	-0,21393567	0,862181991	Prss58	
17376977	8,069865	8,171156	8,089538	7,748228	7,986118	7,954429	8,1101863	7,896258333	-0,213928	0,862186573	Snrpb2	
17386481	8,351936	8,401702	8,198436	8,032413	8,053975	8,22391	8,317358	8,103432667	-0,21392533	0,862188166	Ola1	
17210179	6,686659	6,422734	6,186775	6,433724	6,527226	5,693487	6,432056	6,218145667	-0,21391033	0,862197131	---	
17536653	3,179302	3,063546	2,949843	2,935043	2,732345	2,8836	3,0642303	2,850329333	-0,213901	0,862202709	---	
17376096	6,786459	6,968211	6,882647	6,584925	6,707582	6,703144	6,8791057	6,665217	-0,21388867	0,86221008	Polr1b	
17284696	6,18983	6,362158	6,018561	6,012286	5,989139	5,927706	6,190183	5,976377	-0,213806	0,862259486	D430020J02Rik	
17202643	6,224238	6,042884	5,444815	5,73948	5,965829	5,365218	5,903979	5,690175667	-0,21380333	0,86226108	---	
17501025	7,339241	7,459461	7,372063	7,21483	7,071065	7,243461	7,390255	7,176452	-0,213803	0,862261279	Mlf1ip	
17207051	3,983762	4,695504	4,082019	3,869804	3,986413	4,263673	4,2537617	4,039963333	-0,21379833	0,862264068	---	
17243212	7,635418	7,616319	7,630718	7,30713	7,512125	7,421877	7,627485	7,413710667	-0,21377433	0,862278412	---	
17548070	6,644007	6,898634	6,596918	6,508094	6,492683	6,497595	6,7131863	6,499457333	-0,213729	0,862305508	Gm19848	
17296537	8,858644	9,039105	8,973777	8,760118	8,784013	8,68626	8,9571753	8,743463667	-0,21371167	0,862315868	Zfp131	
17506938	6,962832	6,730843	6,613018	6,371499	6,710742	6,583345	6,7688977	6,555195333	-0,21370233	0,862321447	Irf2bp2	
17309347	6,805889	6,797144	7,073775	6,780599	6,811063	6,444329	6,8922693	6,678663667	-0,21360567	0,862379228	---	
17431478	5,670326	5,668809	5,948451	5,55411	5,692542	5,40017	5,7625287	5,548940667	-0,213588	0,862389788	Grhl3	
17202061	3,874473	4,34069	4,373692	3,716075	3,939457	4,29263	4,196285	3,982720667	-0,21356433	0,862403935	---	
17208221	7,36098	7,17319	7,089175	7,322096	6,582662	7,078121	7,2077817	6,994293	-0,21348867	0,862449168	---	
17354128	9,350821	9,37384	9,274586	9,092672	9,012226	9,253899	9,3330823	9,119599	-0,21348333	0,862452356	Gm9781	
17209495	4,039515	3,467454	3,711775	3,541121	3,286796	3,750379	3,7395813	3,526098667	-0,21348267	0,862452755	---	
17241436	9,103186	9,323524	9,164424	8,926476	9,079181	8,945127	9,1970447	8,983594667	-0,21345	0,862472283	Ddx21	
17354170	3,757056	3,682961	3,448822	3,432773	3,370318	3,445509	3,629613	3,4162	-0,213413	0,862494403	Gm10267	
17443742	6,927011	6,849435	6,792561	6,256675	6,836006	6,836094	6,8563357	6,642925	-0,21341067	0,862495798	Zscan21	
17547238	3,043057	4,460095	3,970835	3,176898	4,467309	3,189692	3,8246623	3,611299667	-0,21336267	0,862524495	---	
17344120	6,612522	6,750082	6,554537	6,412591	6,570745	6,29374	6,639047	6,425692	-0,213355	0,862529078	Snord52	
17215462	5,32134	5,548501	5,722435	5,467115	5,082414	5,402828	5,5307587	5,317452333	-0,21330633	0,862558175	Heatr7b1	
17432577	5,08015	4,451169	4,907867	4,676221	4,491303	4,631775	4,813062	4,599766333	-0,21329567	0,862564552	Gm436	
17505309	3,615436	3,632639	3,986368	3,371146	3,706327	3,517115	3,7448143	3,531529333	-0,213285	0,862570929	Mir140	
17292157	7,90203	7,940219	7,846135	7,549557	7,708015	7,791019	7,896128	7,682863667	-0,21326433	0,862583286	Dtnbp1	
17481755	7,504099	7,458626	7,233386	7,155235	7,233117	7,168276	7,3987037	7,185542667	-0,213161	0,862645071	Swap70	
17518636	8,314909	8,502491	8,247732	8,249869	8,032699	8,143081	8,355044	8,141883	-0,213161	0,862645071	2810417H13Rik	
17230120	4,449729	4,519695	4,489555	4,549915	4,002313	4,267517	4,4863263	4,273248333	-0,213078	0,862694701	Olfr231	
17215879	5,582243	5,84556	5,297921	5,576492	5,076618	5,433386	5,5752413	5,362165333	-0,213076	0,862695897	Aqp12	
17265552	4,561885	4,760587	4,845084	4,79475	4,529129	4,204452	4,7225187	4,509443667	-0,213075	0,862696495	---	
17266287	7,705722	7,39491	7,725464	7,461083	7,009658	7,716146	7,6086987	7,395629	-0,21306967	0,862699684	---	
17287066	8,634577	8,868918	8,796484	8,681714	8,649964	8,329261	8,7666597	8,553646333	-0,21301333	0,862733371	Rnf144b	
17268401	5,060801	5,182396	5,34015	4,780118	5,11753	5,046695	5,194449	4,981447667	-0,21300133	0,862740547	---	
17533223	6,894564	6,940924	6,66506	6,68286	6,54822	6,630667	6,833516	6,620582333	-0,21293367	0,862781013	LOC100862652	
17518596	6,577496	6,682754	6,711092	6,440898	6,336142	6,555525	6,657114	6,444188333	-0,21292567	0,862785798	Pif1	
17200131	5,40314	5,443549	6,070027	5,322453	5,489521	5,466103	5,6389053	5,426025667	-0,21287967	0,862813308	---	
17406423	4,787959	5,016537	5,14723	4,682048	4,728729	4,902398	4,9839087	4,771058333	-0,21285033	0,862830851	Glt28d2	
17523416	9,270282	9,66246	9,468075	9,207055	9,26991	9,285371	9,466939	9,254112	-0,212827	0,862844806	Abhd5	
17462694	5,07369	4,994026	4,762786	4,720492	4,668438	4,803285	4,9435007	4,730738333	-0,21276233	0,862883483	Nanog	
17415411	4,004771	3,463959	4,247595	3,752748	3,463971	3,861423	3,9054417	3,692714	-0,21272767	0,862904217	Zfp352	
17296971	6,455169	6,57848	6,193223	6,051086	6,286199	6,251445	6,4089573	6,196243333	-0,212714	0,862912391	---	
17270096	7,986914	7,997303	8,249612	8,477846	7,441741	7,676111	8,077943	7,865232667	-0,21271033	0,862914585	---	
17549666	6,329838	6,435411	6,511239	6,088162	6,194105	6,356097	6,425496	6,212788	-0,212708	0,86291598	---	
17475352	5,451893	5,592834	5,583989	5,19016	5,378456	5,422019	5,5429053	5,330211667	-0,21269367	0,862924553	Hnrnpul1	
17481628	5,068549	4,191739	4,291431	4,401407	4,27891	4,233356	4,5172397	4,304557667	-0,212682	0,862931532	Olfr507	
17208225	7,035233	6,840846	7,491081	7,029674	7,068386	6,631081	7,1223867	6,909713667	-0,212673	0,862936915	---	
17507319	3,706409	3,816097	3,724084	3,535389	3,544468	3,528769	3,7488633	3,536208667	-0,21265467	0,862947881	---	
17395789	6,447077	6,338695	6,841256	6,442885	6,334803	6,211417	6,5423427	6,329701667	-0,212641	0,862956056	Srms	
17409994	6,707077	6,890303	6,780128	6,675047	6,496239	6,568369	6,7925027	6,579885	-0,21261767	0,862970013	1810037I17Rik // 1810037I17Rik	
17460770	4,231065	3,436039	3,648273	3,693028	3,482539	3,502069	3,7717923	3,559212	-0,21258033	0,862992345	V1ra8	
17234736	4,231109	4,456773	4,762602	4,346232	4,053658	4,412917	4,4834947	4,270935667	-0,212559	0,863005106	Krtap10-10	
17305388	4,324503	4,082156	4,287875	3,995014	3,9783	4,083817	4,2315113	4,019043667	-0,21246767	0,863059742	---	
17214907	6,06508	5,855923	5,700364	5,274103	5,73576	5,974113	5,873789	5,661325333	-0,21246367	0,863062135	Csprs // Csprs	
17446253	8,988272	9,061097	9,01049	8,706361	8,855143	8,861032	9,019953	8,807512	-0,212441	0,863075695	Abcf2	
17524944	6,750773	7,144319	6,862669	6,732317	6,536822	6,851348	6,9192537	6,706829	-0,21242467	0,863085466	Zfp599	
17417138	8,000198	8,135703	8,158516	7,784237	7,887184	7,986015	8,098139	7,885812	-0,212327	0,863143897	Tal1	
17293242	9,505369	9,378822	9,301527	9,123201	9,103761	9,321859	9,3952393	9,182940333	-0,212299	0,863160649	---	
17368523	5,940443	6,262578	6,26274	5,816987	6,135832	5,876065	6,1552537	5,942961333	-0,21229233	0,863164638	D2Bwg1423e	
17350693	6,053353	5,764834	5,652877	5,554344	5,740505	5,539447	5,823688	5,611432	-0,212256	0,863186376	---	
17395705	6,062566	6,135953	6,635943	5,959847	6,293028	5,944929	6,278154	6,065934667	-0,21221933	0,863208315	---	
17205545	7,365367	7,022128	6,92014	7,367791	6,15688	7,146443	7,102545	6,890371333	-0,21217367	0,863235639	---	
17413770	8,829187	8,834288	8,761115	8,52397	8,513441	8,750723	8,8081967	8,596044667	-0,212152	0,863248603	Tmod1	
17235831	7,486348	7,596754	7,239953	7,303473	6,924078	7,459053	7,4410183	7,228868	-0,21215033	0,863249601	Gm10778 // Gm10778	
17486342	3,557016	3,552576	3,471637	3,21794	3,334547	3,392568	3,5270763	3,315018333	-0,212058	0,863304851	Vmn2r37	

17367036	10,13229	10,1668	10,16003	9,940228	9,93539	9,947431	10,15304	9,941016333	-0,21202367	0,863325396	Pter	
17252712	3,401767	3,55795	2,956646	2,946398	3,25667	3,077281	3,3054543	3,093449667	-0,21200467	0,863336766	Zfp735	
17355844	4,770976	4,346232	4,172538	3,858461	4,413641	4,381765	4,4299153	4,217955667	-0,21195967	0,863363695	---	
17344208	6,202534	5,962781	6,053219	5,949275	5,879211	5,754651	6,0728447	5,861045667	-0,211799	0,86345985	Ly6g6f	
17535143	3,842667	2,906405	3,462265	3,004396	3,1723	3,399295	3,403779	3,191997	-0,211782	0,863470024	C030023E24Rik	
17403309	7,208068	6,722178	7,154401	7,036738	6,934293	6,478323	7,0282157	6,816451333	-0,21176433	0,863480598	---	
17330705	4,836015	4,58186	4,479829	4,238634	4,505579	4,518199	4,632568	4,420804	-0,211764	0,863480798	---	
17500707	2,962901	3,189692	3,123703	2,87714	2,818645	2,94529	3,0920987	2,880358333	-0,21174033	0,863494963	4930529F22Rik	
17210217	7,364925	7,131423	7,46828	7,44646	7,171131	6,711925	7,3215427	7,109838667	-0,211704	0,863516709	---	
17202143	3,175614	3,442378	3,42679	2,907078	3,328249	3,17438	3,3482607	3,136569	-0,21169167	0,863524092	---	
17312661	4,578285	4,365726	4,509374	4,172843	4,197143	4,448422	4,4844617	4,272802667	-0,211659	0,863543644	Apol10a	
17548219	6,792108	6,413687	6,354375	6,049876	6,307242	6,568295	6,5200567	6,308471	-0,21158567	0,86358754	Sord // Sord	
17280742	4,174567	4,394643	4,075546	3,91621	4,139087	3,954755	4,2149187	4,003350667	-0,211568	0,863598115	9130015A21Rik	
17439303	5,443515	5,749681	6,087771	5,397417	5,820958	5,427919	5,7603223	5,548764667	-0,21155767	0,863604301	---	
17411869	3,787848	3,306249	3,603624	3,461702	3,329037	3,272535	3,565907	3,354424667	-0,21148233	0,863649397	---	
17206433	3,724179	4,138939	4,903072	4,434062	3,554259	4,143458	4,2553967	4,043926333	-0,21147033	0,863656581	---	
17520167	9,753941	10,1644	9,907317	9,702931	9,728126	9,760201	9,941886	9,730419333	-0,21146667	0,863658776	---	
17529555	9,753941	10,1644	9,907317	9,702931	9,728126	9,760201	9,941886	9,730419333	-0,21146667	0,863658776	---	
17448880	5,238832	5,481261	5,577317	5,205997	5,404084	5,052985	5,43247	5,221022	-0,211448	0,86366995	Lnx1	
17337974	7,440631	7,749834	7,627654	7,2798	7,408473	7,495649	7,6060397	7,394640667	-0,211399	0,863699285	Mrps18a	
17449636	9,475741	9,842978	9,447385	9,138771	9,524712	9,468459	9,5887013	9,377314	-0,21138733	0,863706269	---	
17204877	4,323967	4,154079	5,294123	4,741345	4,28117	4,115548	4,590723	4,379354333	-0,21136867	0,863717445	---	
17205717	6,282105	6,204127	5,954995	5,844186	5,303429	6,659531	6,1470757	5,935715333	-0,21136033	0,863722434	---	
17471850	5,578945	5,484523	5,554462	5,319432	5,265734	5,398737	5,53931	5,327967667	-0,21134233	0,86373321	Styk1	
17239874	5,820813	5,429937	5,696066	5,527875	5,348029	5,436962	5,6489387	5,437622	-0,21131667	0,863748577	---	
17333755	3,72183	3,77254	3,676993	3,565381	3,486714	3,485405	3,7237877	3,5125	-0,21128767	0,863765939	Vmn2r92	
17285056	9,396582	9,544119	9,533376	9,416214	9,182865	9,241373	9,491359	9,280150667	-0,21120833	0,863813439	Idi1	
17312746	6,565117	6,510315	6,328765	6,404852	6,036207	6,329555	6,4680657	6,256871333	-0,21119433	0,863821821	Kctd17	
17551099	5,066198	5,438526	5,538364	4,981109	4,656251	5,772251	5,347696	5,136537	-0,211159	0,863842978	---	
17203065	6,567693	6,340255	7,062173	6,411035	6,645022	6,28063	6,656707	6,445562333	-0,21114467	0,86385156	---	
17544814	5,286528	5,123073	4,919288	4,784591	4,936042	4,974884	5,1096297	4,898505667	-0,211124	0,863863935	---	
17216554	4,93135	4,792922	4,005573	4,317244	4,413589	4,365911	4,576615	4,365581333	-0,21103367	0,863918027	---	
17474748	3,479136	3,466628	3,125909	3,120795	3,19525	3,12254	3,3572243	3,146195	-0,21102933	0,863920622	Vmn1r125	
17204155	4,818656	5,028524	5,781799	4,78861	4,949223	5,258137	5,2096597	4,998656667	-0,211003	0,863936391	---	
17498673	6,421069	6,502742	6,345551	6,133804	6,122467	6,380122	6,4231207	6,212131	-0,21098967	0,863944375	Camsap3	
17341709	2,65059	2,708214	4,19484	2,787575	2,962985	3,170196	3,184548	2,973585333	-0,21096267	0,863960544	---	
17270617	4,920647	4,762329	4,828316	4,562511	4,65555	4,660488	4,8370973	4,626183	-0,21091433	0,863989489	Gm10844	
17548180	4,196518	4,220066	4,208836	3,961101	4,205211	3,826488	4,2084733	3,9976	-0,21087333	0,864014043	LOC100861963	
17326386	5,435606	5,592883	5,552336	5,43376	5,230272	5,284189	5,5269417	5,316073667	-0,210868	0,864017237	Gm16892	
17417869	4,46869	4,426212	4,397601	4,280413	4,249172	4,130353	4,4308343	4,219979333	-0,210855	0,864025023	AU022252 // AU022252	
17336738	8,156713	8,146466	8,136393	7,759521	8,11291	7,934652	8,146524	7,935694333	-0,21082967	0,864040195	Rdbp	
17319980	3,979658	3,982593	4,184668	3,822195	3,74758	3,944838	4,048973	3,838204333	-0,21076867	0,864076729	---	
17450641	5,257764	4,948883	5,039325	4,708225	4,902564	5,003121	5,0819907	4,871303333	-0,21068733	0,864125444	Lpcat2b	
17201413	6,919214	6,815122	7,01369	7,029063	6,627199	6,459754	6,9160087	6,705338667	-0,21067	0,864135826	---	
17324762	9,380367	9,435282	9,357172	9,166563	9,172302	9,20197	9,3909403	9,180278333	-0,210662	0,864140618	Rnf168	
17458514	7,812433	7,658641	7,251686	7,509141	7,339088	7,24266	7,5742533	7,363629667	-0,21062367	0,864163579	Npy	
17269516	6,505491	6,495829	6,274491	6,178782	6,318542	6,146648	6,4252703	6,214657333	-0,210613	0,864169968	Klhl11	
17442491	6,294876	6,125118	5,959686	6,021622	5,810736	5,915569	6,12656	5,915975667	-0,21058433	0,86418714	4930568K20Rik	
17330150	5,961715	5,762474	6,178812	5,749805	5,780025	5,741431	5,967667	5,757087	-0,21058	0,864189735	---	
17205275	6,994203	6,369503	6,940225	6,647735	6,64804	6,376417	6,767977	6,557397333	-0,21057967	0,864189935	---	
17209465	6,994203	6,369503	6,940225	6,647735	6,64804	6,376417	6,767977	6,557397333	-0,21057967	0,864189935	---	
17229556	9,570206	9,585413	9,557155	9,488873	9,4977	9,094596	9,5709247	9,360389667	-0,210535	0,864216691	Atf6	
17546333	3,877629	4,750164	4,32559	3,871572	4,576631	3,873655	4,3177943	4,107286	-0,21050833	0,864232665	Rbmy1a1	
17332334	6,980776	7,304229	7,020663	6,305504	7,150981	7,217707	7,1018893	6,891397333	-0,210492	0,86424245	---	
17408052	9,159168	9,180348	9,196021	8,912172	9,024925	8,967136	9,1785123	8,968077667	-0,21043467	0,864276796	Terc	
17459709	3,86011	3,45971	4,166038	3,630742	3,575272	3,648632	3,8286193	3,618215333	-0,210404	0,864295168	---	
17482626	9,508876	9,405745	9,274549	9,078996	9,252329	9,226851	9,39639	9,186058667	-0,21033133	0,864338702	Mettl9	
17549468	4,223601	4,074771	4,153682	3,957947	3,748744	4,114488	4,1506847	3,940393	-0,21029167	0,864362467	---	
17395928	5,878625	6,389348	6,22217	5,916369	5,883444	6,059675	6,163381	5,953162667	-0,21021833	0,864406405	Sox18	
17215291	5,753153	5,600305	5,879846	5,324511	5,596119	5,682153	5,7444347	5,534261	-0,21017367	0,864433168	3110079O15Rik	
17262174	9,617322	9,709723	9,816758	9,471975	9,521659	9,519774	9,714601	9,504469333	-0,21013167	0,864458333	Gnb2l1 // Gnb2l1	
17453406	6,576519	6,312238	6,683907	6,228291	6,433668	6,280324	6,5242213	6,314094333	-0,210127	0,86446113	Lat2	
17489547	2,876383	2,897119	3,05858	2,797616	2,719369	2,684838	2,9440273	2,733941	-0,21008633	0,864485497	Gm6725	
17448099	5,593719	5,493699	5,708333	5,472544	5,341297	5,351686	5,5985837	5,388509	-0,21007467	0,864492488	5033403H07Rik	
17233916	5,403831	5,410769	5,293126	5,168786	5,164357	5,144399	5,369242	5,159180667	-0,21006133	0,864500478	---	
17200677	4,676839	5,049684	4,506328	4,911534	4,199418	4,491888	4,7442837	4,53428	-0,21000367	0,864535034	---	
17408289	5,084926	5,592495	5,255861	5,323526	4,619689	5,360338	5,311094	5,101184333	-0,20990967	0,864591365	Gm4450	
17248017	3,169005	3,216461	3,059019	2,764713	2,964013	3,086085	3,1481617	2,938270333	-0,20989133	0,864602352	---	
17449125	3,393071	3,123178	3,189692	3,021422	3,168997	2,885962	3,2353137	3,025460333	-0,20985333	0,864625126	---	
17412402	5,007098	4,833003	5,070888	4,588782	4,847548	4,845102	4,9703297	4,760477333	-0,20985233	0,864625725	---	
17299261	5,142363	5,014211	5,030765	4,857256	4,603803	5,096898	5,0624463	4,852652333	-0,209794	0,864660686	---	
17202095	5,297414	5,699203	5,135428	5,542022	5,232384	4,728362	5,3773483	5,167589333	-0,209759	0,864681663	---	
17357799	4,129247	3,540527	4,072701	3,996473	3,364066	3,752729	3,9141583	3,704422667	-0,20973567	0,864695648	Olfr1440	
17528833	4,975341	5,087075	5,448482	4,91634	4,987824	4,977712	5,1702993	4,960625333	-0,209674	0,864732609	---	
17430413	6,163705	5,786183	5,946558	5,820068	5,766013	5,681435	5,965482	5,755838667	-0,20964333	0,864750991	Lck	
17317533	4,731556	4,625914	4,757356	4,53417	4,518233	4,433496	4,704942	4,495299667	-0,20964233	0,86475159	Adcy8	
17550062	6,529623	5,85814	6,338992	6,288595	5,698715	6,110666	6,2422517	6,032658667	-0,209593	0,864781161	---	
17509359	11,14818	11,85447	11,43845	11,244	11,22801	11,34042	11,480367	11,27081	-0,20955667	0,86480294	---	
17207997	6,74568	6,267233	6,569584	6,562576	6,339075	6,052274	6,527499	6,317975	-0,209524	0,864822522	---	
17207321	5,920055	6,026038	6,242171	6,258795	5,786872	5,514026	6,0627547	5,853231	-0,20952367	0,864822722	---	
17448756	7,429241	7,737113	8,274673	7,577593	7,580109	7,654792	7,8136757	7,604164667	-0,209511	0,864830315	---	
17372906	5,197635	5,189586	4,85353	4,85417	4,819595	4,938643	5,0802503	4,870802667	-0,20944767	0,864868281	Olfr1184	
17497633	6,083602	6,286464	6,307971	6,160204	5,853228	6,036363	6,2260123	6,016598333	-0,209414	0,864888464	Olfr522	
17498015	7,470422	7,370729	7,474259	7,201435	7,258294	7,227486	7,43847	7,229071667	-0,20939833	0,864897856	Tollip	
17331225	3,625397	3,414036	3,229408	3,330365	3,106638	3,203648	3,422947	3,213550333	-0,20939667	0,864898855	Olfr175-ps1	
17342009	8,049589	8,254206	8,210485	7,878394	8,267693	7,74006	8,1714267	7,962049	-0,20937767	0,864910246	---	
17468438	3,896514	4,003558	3,742741	3,750928	3,556942	3,707082	3,8809377	3,671650667	-0,209287	0,864964603	Nat8	
17331245	3,070189	2,972967	2,87934	2,681323	2,86802	2,745321	2,9741653	2,764888	-0,20927733	0,864970399	Olfr190	
17456886	5,108337	5,258871	5,332	5,337735	4,730712	5,003032	5,2330693	5,023826333	-0,209243	0,864990984	Cpa4	
17323822	3,820991	3,627349	4,419836	3,710977	4,01494	3,514701	3,9560587	3,746872667	-0,209186	0,86502516	---	
17525498	3,566895	3,502781	3,709463	3,397631	3,553077	3,201034	3,5930463	3,383914	-0,20913233	0,865057338	1700027I24Rik	
17550456	5,841504	6,175655	5,865636	5,662831	5,863975	5,72865	5,9609317	5,751818667	-0,209113	0,865068931	---	
17413706	5,395911	5,395496	5,564972	5,251476	5,185144	5,29244	5,4521263	5,24302	-0,20910633	0,865072928	E230008N13Rik	
17206353	4,203918	4,875958	4,075818	4,138901	4,122449	4,267048	4,3852313	4,176132667	-0,20909867	0,865077525	---	
17375538	6,892563	6,926733	6,846464	6,592033	6,409579	7,036862	6,8885867	6,679491333	-0,20909533	0,865079524	Sqrdl	
17350349	3,703109	3,33796	3,687117	3,517631	3,305491	3,277975	3,576062	3,367032333	-0,20902967	0,865118901	---	
17402517	6,921122	6,677439	7,042809	6,70425	6,281869	7,028312	6,8804567	6,671477	-0,20897967	0,865148884	---	
17207403	5,346596	5,658405	5,197633	5,148767	5,239249	5,187745	5,400878	5,191920333	-0,20895767	0,865162077	---	
17519957	3,602896	3,382745	3,783988	3,494044	3,281174	3,367635	3,5898763	3,380951	-0,20892533	0,865181467	---	
17509500	3,237764	3,195112	3,456593	3,066146	3,180363	3,016311	3,2964897	3,087606667	-0,208883	0,865206854	---	
17448800	9,276563	9,224858	9,189055	8,847648	9,254292	8,961995	9,2301587	9,021311667	-0,208847	0,865228445	---	
17495816	5,227924	5,209053	5,428119	5,157054	5,037028	5,044477	5,2883653	5,079519667	-0,20884567	0,865229244	---	
17416540	7,383914	7,475306	7,603484	7,25447	7,37037	7,211328	7,487568	7,278722667	-0,20884533	0,865229444	Lrp8	
17205863	8,134336	8,284394	8,256401	7,998938	7,893305	8,156368	8,2250437	8,016203667	-0,20884	0,865232643	---	
17362024	5,451139	5,592494	5,551175	5,478687	4,933741	5,556057	5,5316027	5,322828333	-0,20877433	0,865272026	---	
17200889	6,173803	5,553486	6,140286	5,812176	5,369499	6,059675	5,9558583	5,747116667	-0,20874167	0,865291618	---	
17449816	4,02233	3,87816	4,146667	3,677423	4,029839	3,713853	4,015719	3,807038333	-0,20868067	0,865328205	Gm7081	
17261959	3,951221	4,089983	3,995241	3,947768	3,94301	3,51964	4,0121483	3,803472667	-0,20867567	0,865331204	---	
17482482	4,77698	4,719198	5,091156	4,560138	4,786828	4,443364	4,8624447	4,653776667	-0,208668	0,865335803	1810201H02Rik	
17486859	7,164456	7,374304	6,90824	7,154225	6,82767	6,839197	7,149	6,940364	-0,208636	0,865354997	Gpr77	
17458946	3,58264	3,493262	3,620339	3,128346	3,422571	3,51964	3,5654137	3,356852333	-0,20856133	0,865399785	Vmn1r11	
17285879	5,345315	5,49718	5,502902	5,534302	4,991055	5,194378	5,4484657	5,239911667	-0,208554	0,865404183	Hist1h1a	
17202077	5,347059	5,239141	5,69635	5,788826	4,790472	5,077632	5,4275167	5,218976667	-0,20854	0,865412581	---	
17299792	3,863521	3,835792	4,03008	3,735119	3,821593	3,547214	3,9097977	3,701308667	-0,208489	0,865443175	---	
17402020	4,592451	5,091265	4,765572	4,936868	4,348689	4,538339	4,8164293	4,607965333	-0,208464	0,865458172	---	
17348410	7,979616	8,177022	8,058433	7,74722	7,89036	7,952159	8,0716903	7,863246333	-0,208444	0,86547017	Rbbp8	
17432058	5,124189	5,660712	5,792875	5,12745	5,635038	5,190121	5,5259253	5,317536333	-0,208389	0,865503165	Padi1	
17511359	8,193359	8,114625	8,112082	7,861362	7,995335	7,938551	8,140022	7,931749333	-0,20827267	0,865572958	4921524J17Rik	
17510247	5,771141	6,018582	5,79082	5,785419	5,659243	5,511133	5,860181	5,651931667	-0,20824933	0,865586958	Rpl18a	
17548479	6,51569	6,567639	6,664955	6,33706	6,373164	6,413423	6,5827613	6,374549	-0,20821233	0,865609157	Mrps17 // Mrps17	
17298977	9,41631	9,412465	9,156569	9,100638	9,135582	9,124618	9,328448	9,120279333	-0,20816867	0,865635357	Mbl1	
17551103	4,575161	4,716516	4,883667	4,21198	4,62632	4,712608	4,7251147	4,516969333	-0,20814533	0,865649358	---	
17207201	3,33824	3,869812	4,325194	3,455605	3,555486	3,897773	3,8444153	3,636288	-0,20812733	0,865660158	---	
17268107	5,478673	5,003735	5,444605	5,120829	5,112221	5,069831	5,3090043	5,100960333	-0,208044	0,865710162	Sgca	
17492078	7,165247	7,148812	7,096431	7,066035	6,878829	6,841576	7,13683	6,928813333	-0,20801667	0,865726564	Mctp2	
17460974	6,25826	6,089541	6,304523	5,991448	6,248361	5,788468	6,2174413	6,009425667	-0,20801567	0,865727164	4930590J08Rik	
17365625	4,721328	4,841022	4,862471	4,525119	4,62035	4,655361	4,8082737	4,600276667	-0,207997	0,865738366	Sorcs1	
17341361	4,492468	4,448277	4,690391	4,36238	4,44021	4,204754	4,543712	4,335781333	-0,20793067	0,865778172	9330136K24Rik	
17320854	4,652134	4,571831	4,731952	4,346616	4,356993	4,628547	4,6519723	4,444052	-0,20792033	0,865784373	---	
17375080	4,968153	4,899654	5,297412	5,054664	4,724364	4,762453	5,055073	4,847160333	-0,20791267	0,865788974	Zfp106 // Zfp106	
17489124	6,710394	6,718172	6,66939	6,605367	6,404242	6,464802	6,6993187	6,491470333	-0,20784833	0,865827583	BC053749	
17203585	5,089762	4,639956	4,77613	4,074561	5,011877	4,795871	4,8352827	4,627436333	-0,20784633	0,865828783	---	
17381143	5,668375	5,483038	5,456254	5,327662	5,361024	5,295488	5,535889	5,328058	-0,207831	0,865837985	Myt1	
17308794	3,71815	3,684005	3,853216	3,368134	3,675977	3,587825	3,7517903	3,543978667	-0,20781167	0,865849589	D5Ertd579e // D5Ertd579e	

17456855	4,975951	4,837284	5,16775	4,845863	4,949095	4,562637	4,9936617	4,785865	-0,20779667	0,865858591	---	
17305787	3,877981	3,927584	4,206851	3,599198	3,826031	3,964057	4,0041387	3,796428667	-0,20771	0,865910607	---	
17475342	8,703656	8,479338	8,618673	8,444388	8,368646	8,365637	8,6005557	8,392890333	-0,20766533	0,865937417	Tgfb1	
17546345	3,849337	4,773998	4,322121	3,871572	4,585753	3,865177	4,315152	4,107500667	-0,20765133	0,86594582	Rbmy1a1	
17461076	5,149053	4,832702	4,754857	4,865767	4,968378	4,279563	4,912204	4,704569333	-0,20763467	0,865955824	---	
17406029	10,37045	10,50602	10,25763	10,08192	10,11883	10,31048	10,378033	10,17041	-0,20762333	0,865962626	Ube2d2a // Ube2d2a	
17400539	9,220622	9,300858	9,157241	8,931592	9,146759	8,977568	9,2262403	9,018639667	-0,20760067	0,865976232	Hist2h2ab	
17306425	7,946985	7,790843	8,166757	7,615938	7,818303	7,847554	7,968195	7,760598333	-0,20759667	0,865978633	---	
17327035	5,58767	5,314475	5,355337	5,097764	5,093571	5,443438	5,4191607	5,211591	-0,20756967	0,86599484	Olig1	
17204649	4,64841	4,554986	5,008893	4,424517	4,513859	4,65127	4,7374297	4,529882	-0,20754767	0,866008046	---	
17200789	5,450367	5,721805	5,748961	5,560543	5,42027	5,317729	5,6403777	5,432847333	-0,20753033	0,86601845	---	
17320068	7,031972	7,041005	7,426935	6,927396	6,85184	7,098138	7,1666373	6,959124667	-0,20751267	0,866029055	LOC100861793	
17209129	3,869974	4,566364	5,098947	4,750039	3,852578	4,310267	4,5117617	4,304294667	-0,207467	0,866056469	---	
17326752	3,361666	3,43426	3,158664	3,073442	2,958572	3,300214	3,3181967	3,110742667	-0,207454	0,866064273	---	
17385022	3,131128	3,271268	2,784333	2,765201	2,922217	2,87711	3,062243	2,854842667	-0,20740033	0,86609649	---	
17471528	5,377076	5,196981	5,332557	5,15905	5,015165	5,110227	5,3022047	5,094814	-0,20739067	0,866102293	Clec1a	
17547704	7,237474	7,197945	7,366513	7,056844	7,098512	7,024457	7,2673107	7,059937667	-0,207373	0,866112899	Ppm1a // Ppm1a	
17372771	3,456369	3,401726	3,450959	3,112446	3,265953	3,308583	3,4363513	3,228994	-0,20735733	0,866122305	Olfr1022	
17208967	6,195055	5,436718	6,717203	6,247712	5,667603	5,81182	6,1163253	5,909045	-0,20728033	0,866168533	---	
17301145	3,15845	3,316931	3,143986	2,995056	3,045982	2,956673	3,2064557	2,999237	-0,20721867	0,866205557	---	
17467108	5,916409	5,940178	5,210292	5,206582	5,60707	5,631772	5,6889597	5,481808	-0,20715167	0,866245786	Lsm5	
17248065	7,24043	7,037549	7,415329	7,699142	6,865687	6,507084	7,2311027	7,023971	-0,20713167	0,866257794	---	
17449522	8,183331	8,118409	8,459505	7,811015	8,183331	8,145529	8,2537483	8,046625	-0,20712333	0,866262798	---	
17456830	4,634898	4,530057	5,180432	4,287875	4,863759	4,572479	4,7817957	4,574704333	-0,20709133	0,866282013	BB283400	
17200537	4,517678	5,247952	4,442359	4,178034	4,602825	4,805922	4,7359963	4,528927	-0,20706933	0,866295223	---	
17494455	3,485685	3,53127	3,854012	3,433951	3,472931	3,342991	3,6236557	3,416624333	-0,20703133	0,866318041	Olfr672	
17217838	2,80932	3,024084	3,008678	2,727533	2,781158	2,71233	2,9473607	2,740340333	-0,20702033	0,866324646	---	
17311437	4,273438	4,419072	4,857147	4,477758	4,196974	4,253916	4,5165523	4,309549333	-0,207003	0,866335055	2310069G16Rik	
17204683	4,417176	5,17797	4,543811	4,880208	4,32764	4,310109	4,7129857	4,505985667	-0,207	0,866336856	---	
17449531	7,808568	7,057325	7,338559	7,175143	7,402488	7,005869	7,401484	7,1945	-0,206984	0,866346464	---	
17339497	6,367314	6,614455	6,543163	6,484543	6,31861	6,101017	6,5083107	6,30139	-0,20692067	0,866384497	Snord92	
17431166	6,129948	5,970299	6,150321	5,771485	5,889629	5,969032	6,0835227	5,876715333	-0,20680733	0,86645256	Lin28a	
17202829	5,952133	5,714105	5,836952	5,747835	5,534084	5,600866	5,8343967	5,627595	-0,20680167	0,866455964	---	
17538437	5,248847	5,304737	5,099168	5,023818	5,030665	4,977933	5,217584	5,010805333	-0,20677867	0,866469777	---	
17425384	4,959042	5,025672	4,963343	4,921392	4,740025	4,66631	4,9826857	4,775909	-0,20677667	0,866470978	---	
17209777	5,592349	5,946709	5,074967	4,785854	5,579206	5,628641	5,5380083	5,331233667	-0,20677467	0,866472179	---	
17398404	3,319679	3,059643	2,916528	2,982892	2,760538	2,932115	3,0986167	2,891848333	-0,20676833	0,866475983	---	
17362874	4,514835	4,379118	4,687249	4,39607	4,127802	4,43718	4,5270673	4,320350667	-0,20671667	0,866507014	Ms4a8a	
17257871	3,674723	4,063286	3,78406	3,683434	3,544259	3,674259	3,8406897	3,633984	-0,20670567	0,866513621	---	
17531749	5,512712	5,230544	4,948225	5,020164	5,103884	4,947417	5,2304937	5,023821667	-0,206672	0,866533842	---	
17399899	4,581449	3,767465	4,036392	4,027502	3,749306	3,988534	4,1284353	3,921780667	-0,20665467	0,866544254	Lce1c	
17200427	4,223606	4,621434	3,737954	4,560175	3,629245	3,773611	4,1943313	3,987677	-0,20665433	0,866544454	---	
17476726	3,994832	3,565188	4,025272	3,677045	3,735472	3,553077	3,861764	3,655198	-0,206566	0,866597512	---	
17318114	3,368125	3,153103	3,124764	2,923818	3,094017	3,008614	3,2153307	3,008816333	-0,20651433	0,866628548	Gm3142	
17210001	4,7068	3,200484	4,439363	3,889383	3,863437	3,974365	4,115549	3,909061667	-0,20648733	0,866644767	---	
17201339	5,089967	4,32314	4,244864	3,991434	4,666852	4,380332	4,552657	4,346206	-0,206451	0,866666593	---	
17419543	6,159866	6,372256	6,213686	5,962624	6,117022	6,047039	6,2486027	6,042228333	-0,20637433	0,86671265	Cd164l2	
17486942	4,753048	4,791516	4,774518	4,64631	4,51065	4,543052	4,7730273	4,566670667	-0,20635667	0,866723264	---	
17294793	4,83679	4,630337	4,438988	4,383644	4,567395	4,336084	4,6353717	4,429041	-0,20633067	0,866738884	A830009L08Rik	
17494462	5,014532	4,727459	4,929789	4,811052	4,782811	4,459219	4,8905933	4,684360667	-0,20623267	0,866797762	---	
17269074	6,206991	5,977124	6,166247	5,824746	5,977015	5,930067	6,1167873	5,910609333	-0,206178	0,866830607	Krt12	
17366055	7,307727	7,107164	6,705523	6,613031	6,733676	7,155219	7,040138	6,833975333	-0,20616267	0,86683982	Rab11fip2	
17418357	7,123488	7,288787	7,164396	6,916214	6,85502	7,187049	7,1922237	6,986094333	-0,20612933	0,866859849	Yrdc	
17483420	8,172537	8,095016	8,295886	8,104441	7,925227	7,915392	8,187813	7,981686667	-0,20612633	0,866861651	Ctf1	
17206193	7,037271	7,26152	6,919327	6,571525	6,947042	7,08118	7,072706	6,866582333	-0,20612367	0,866863254	---	
17299838	6,193021	5,512735	5,661364	5,707798	5,686006	5,355237	5,78904	5,583013667	-0,20602633	0,86692174	---	
17275830	6,656394	7,314641	6,612279	6,481481	6,867828	6,616073	6,8611047	6,655127333	-0,20597733	0,866951184	---	
17299013	4,436051	4,599754	4,919313	4,434738	4,331465	4,57112	4,651706	4,445774333	-0,20593167	0,866978627	---	
17428192	8,166567	8,055644	8,001025	7,842314	7,845571	7,91766	8,074412	7,868515	-0,205897	0,86699946	Rnf11	
17533177	4,757973	4,360614	4,630033	4,633067	4,209577	4,288298	4,5828733	4,376980667	-0,20589267	0,867002064	Gm5751	
17388999	6,168705	6,233621	6,255901	5,894355	6,023188	6,123074	6,219409	6,013539	-0,20587	0,867015686	Prrg4	
17462970	4,514117	4,813158	4,411764	4,519005	4,343704	4,258826	4,5796797	4,373845	-0,20583467	0,867036921	A230083G16Rik	
17225888	8,856528	8,792913	8,593552	8,437446	8,573246	8,614812	8,7476643	8,541834667	-0,20582967	0,867039925	D1Ertd622e	
17240965	5,022376	5,113212	4,966159	4,750536	4,953356	4,78048	5,0339157	4,828124	-0,20579167	0,867062763	Gm4981	
17205095	5,155524	4,464501	4,732864	5,276215	4,829663	3,62967	4,7842963	4,578516	-0,20578033	0,867069575	---	
17209285	5,155524	4,464501	4,732864	5,276215	4,829663	3,62967	4,7842963	4,578516	-0,20578033	0,867069575	---	
17417480	6,22128	6,170158	6,185145	6,034318	5,940696	5,984316	6,1921943	5,986443333	-0,205751	0,867087204	Prdx1	
17401357	8,319183	8,488597	8,172106	8,000916	8,274432	8,087341	8,3266287	8,120896333	-0,20573233	0,867098423	Rhoc	
17459902	8,665231	8,762584	9,136967	8,472268	8,896448	8,578899	8,8549273	8,649205	-0,20572233	0,867104434	---	
17509758	5,14278	5,326344	5,44709	4,814701	5,215091	5,269266	5,3054047	5,099686	-0,20571867	0,867106638	Csgalnact1	
17326794	5,001169	4,466862	4,868336	4,581534	4,46385	4,673887	4,778789	4,573090333	-0,20569867	0,867118658	Mir155	
17244022	4,075066	4,408241	3,961313	4,049248	3,870397	3,907921	4,1482067	3,942522	-0,20568467	0,867127073	Ano4	
17248512	9,052741	9,228774	8,897798	8,890093	8,880395	8,791813	9,059771	8,854100333	-0,20567067	0,867135488	Nudcd2	
17425813	5,142794	4,002066	4,463116	4,384077	4,217094	4,389823	4,535992	4,330331333	-0,20566067	0,867141498	---	
17459258	4,799594	4,94141	4,8319	4,747249	4,436647	4,772114	4,8576347	4,652003333	-0,20563133	0,867159129	---	
17414112	5,034409	5,304472	4,715169	4,677293	4,777287	4,982644	5,0180167	4,812408	-0,20560867	0,867172754	---	
17534869	3,023343	3,280655	3,165004	2,939525	2,939525	2,973156	3,156334	2,950735333	-0,20559867	0,867178764	Gm14623	
17206387	3,725321	4,752242	4,530323	3,978235	4,206479	4,206479	4,335962	4,130397667	-0,20556433	0,867199402	---	
17303730	4,202533	4,369783	4,197175	4,015623	3,962903	4,174284	4,256497	4,050936667	-0,20556033	0,867201806	---	
17200855	6,90314	6,565117	7,124347	6,856178	6,76184	6,357947	6,8642013	6,658655	-0,20554633	0,867210222	---	
17338941	5,359283	5,219567	5,374644	5,260525	4,877192	5,199343	5,3178313	5,112353333	-0,205478	0,867251298	---	
17379482	6,513221	6,279785	6,488725	6,311706	6,050996	6,302622	6,4272437	6,221774667	-0,205469	0,867256708	Wfdc10	
17263218	4,343398	4,272226	4,373186	4,107397	4,182676	4,082364	4,3296033	4,124145667	-0,20545767	0,867263521	Hist3h2bb-ps	
17488078	3,267848	3,481913	3,485844	3,133654	3,252433	3,233192	3,4118683	3,206426333	-0,205442	0,867272939	Nlrp9c	
17207529	3,27729	2,8643	3,838879	3,057232	2,795373	3,511695	3,326823	3,121433333	-0,20538967	0,8673044	---	
17484477	6,231899	5,968326	6,112676	6,010453	5,695896	5,990401	6,1043003	5,898916667	-0,20538367	0,867308007	Prap1	
17496664	7,366199	6,937121	7,325831	6,850222	7,196127	6,966668	7,209717	7,004339	-0,205378	0,867311413	Zfp747	
17254065	4,145587	4,032943	4,615364	4,087709	4,101653	3,988443	4,2646313	4,059268333	-0,205363	0,867320431	Ccl8	
17344694	5,621269	6,031535	5,939923	5,535283	5,912994	5,528437	5,8642423	5,658904667	-0,20533767	0,867335661	---	
17202951	5,373898	5,659496	5,92981	5,826201	5,33881	5,182183	5,6544013	5,449064667	-0,20533667	0,867336262	---	
17202169	6,798389	7,162237	7,414681	7,134316	6,756588	6,868419	7,1251023	6,919774333	-0,205328	0,867341473	---	
17230331	5,652375	4,80265	5,302172	5,746828	4,769485	4,624935	5,252399	5,047082667	-0,20531633	0,867348487	Tfb2m	
17242726	5,288179	5,477156	5,541208	5,198329	5,14708	5,345295	5,4355143	5,230234667	-0,20527967	0,867370531	---	
17202855	7,07852	6,769436	6,50472	7,418215	5,939565	6,379212	6,7842253	6,578997333	-0,205228	0,867401594	---	
17287245	4,230262	4,124417	4,041255	3,853953	3,757014	4,169285	4,131978	3,926750667	-0,20522733	0,867401995	---	
17338545	4,39288	4,331806	4,454722	4,4025	3,816578	4,344682	4,393136	4,18792	-0,205216	0,867408809	Kcnh8	
17447504	6,470074	6,771798	6,527497	6,317933	6,457067	6,378733	6,5897897	6,384577667	-0,205212	0,867411214	---	
17382139	3,452827	3,406778	3,240827	3,264209	2,971992	3,248662	3,3668107	3,161621	-0,20518967	0,867424642	Enkur	
17460933	8,059584	8,464505	8,06096	7,928078	8,016648	8,024896	8,1950163	7,989874	-0,20514233	0,867453102	Lsm3	
17374172	3,995419	3,722495	3,791989	3,587727	3,937421	3,36957	3,8366343	3,631572667	-0,20506167	0,867501606	Olfr1279	
17260869	8,605417	8,804242	8,742159	8,672173	8,472735	8,391993	8,7172727	8,512300333	-0,20497233	0,867555324	Slc1a4	
17323074	8,853151	9,197449	8,858194	8,665304	8,718447	8,910194	8,969598	8,764648333	-0,20494967	0,867568955	---	
17427441	5,702696	5,297956	5,413334	5,340921	5,200514	5,257705	5,4713287	5,26638	-0,20494867	0,867569556	---	
17348455	9,549304	10,28548	9,980253	9,395753	9,657291	10,14723	9,9383457	9,733424667	-0,204921	0,867586194	---	
17285620	8,498951	8,678384	8,693719	8,338462	8,423076	8,494823	8,6236847	8,418787	-0,20489767	0,867600226	Trim27	
17320686	4,10381	4,313371	4,128678	4,166229	3,888219	3,876788	4,181953	3,977078667	-0,20487433	0,867614258	---	
17377551	4,056314	3,856138	4,110835	3,951016	3,562409	3,895455	4,0077623	3,80296	-0,20480233	0,867657559	---	
17257066	5,839297	6,478787	5,403666	4,861149	5,805723	6,440543	5,90725	5,702471667	-0,20477833	0,867671993	---	
17267203	4,582283	3,920331	3,908595	4,222617	3,811589	3,762746	4,1370697	3,932317333	-0,20475233	0,86768763	LOC629393	
17267629	4,355354	4,572881	4,654476	4,161033	4,426515	4,381016	4,5275703	4,322854667	-0,20471567	0,867709683	---	
17481165	4,771729	4,773644	4,39649	4,705771	4,360777	4,261235	4,6472877	4,442594333	-0,20469333	0,867723115	Olfr576	
17333850	3,603196	3,881538	3,774522	3,66233	3,410156	3,572756	3,7530853	3,548414	-0,20467133	0,867736347	Vmn1r229	
17548156	7,596556	7,327248	7,251032	7,211553	7,097034	7,252445	7,391612	7,187010667	-0,20460133	0,867778451	2310047B19Rik // 2310047B19Rik	
17214027	5,632893	5,762533	5,919128	5,479775	5,65601	5,565173	5,771518	5,566986	-0,204532	0,867820156	B930094L07Rik	
17285536	8,055898	7,75749	8,304972	8,150554	7,406773	7,947506	8,0394533	7,834944333	-0,204509	0,867833991	---	
17478273	3,486244	3,363826	3,083924	3,169049	3,054649	3,09699	3,3113313	3,106896	-0,20443533	0,867878306	Mrgprb8	
17284706	4,673447	4,493174	4,603473	4,45431	4,287618	4,415063	4,5900313	4,385663667	-0,20436767	0,867919013	Gm5441	
17495847	5,096813	4,934398	4,719902	4,643211	4,660035	4,834888	4,9170377	4,712711333	-0,20432633	0,867943879	4933432K03Rik	
17263142	4,238321	3,941536	4,276924	3,983675	4,021909	3,83826	4,1522603	3,947948	-0,20431233	0,867952302	4930504O13Rik	
17341405	7,360908	7,818112	7,45653	7,118647	7,564367	7,339669	7,5451833	7,340894333	-0,204289	0,86796634	Gm7072	
17342010	7,402452	6,981515	7,098254	6,903726	7,037792	6,927891	7,1607403	6,956469667	-0,20427067	0,867977369	---	
17357636	5,455766	4,788934	5,072176	4,633287	4,995998	5,074803	5,1056253	4,901362667	-0,20426267	0,867982183	4930526L06Rik // 4930526L06Rik	
17204885	4,092016	5,322739	5,579826	4,588475	5,265607	4,527756	4,9981937	4,793946	-0,20424767	0,867991207	---	
17534892	5,9121	6,323222	5,4863	5,669299	5,648418	5,791265	5,9072073	5,702994	-0,20421333	0,868011864	Zfp449	
17370348	4,05538	3,257684	3,414429	3,403273	3,342907	3,368964	3,575831	3,371714667	-0,20411633	0,868070227	Olfr50	
17225969	5,287344	5,315053	4,932529	5,010277	4,893365	5,019001	5,1783087	4,974214333	-0,20409433	0,868083464	B230216N24Rik	
17287185	8,38365	8,619553	8,16416	8,124622	8,198084	8,232375	8,389121	8,185027	-0,204094	0,868083665	Nol8	
17201841	3,832131	3,580801	3,421447	3,604575	3,159187	3,458644	3,6114597	3,407468667	-0,203991	0,868145643	---	
17493687	5,149208	4,680468	4,997171	5,307683	4,250163	4,657057	4,9422823	4,738301	-0,20398133	0,86815146	---	
17323076	9,06963	9,060031	8,931809	8,818721	8,893508	8,737314	9,02049	8,816514333	-0,20397567	0,86815487	---	
17429844	3,664654	4,095672	4,177415	3,827298	3,786778	3,711744	3,979247	3,775273333	-0,20397367	0,868156074	---	
17290852	6,298851	6,439744	6,491917	6,404111	5,974602	6,240102	6,4101707	6,206271667	-0,203899	0,868201006	---	
17546963	4,001677	4,685966	4,434804	3,968806	4,576835	3,965323	4,374149	4,170321333	-0,20382767	0,868243935	Rbmy1a1	
17233694	6,627945	6,252769	6,424952	6,298681	6,187315	6,208581	6,435222	6,231525667	-0,20369633	0,868322978	Prf1	

17207551	6,69306	6,289706	6,439426	6,051558	6,525944	6,233751	6,474064	6,270417667	-0,20364633	0,868353072	---
17347435	8,398518	8,471865	8,167469	8,096767	8,205966	8,124245	8,3459507	8,142326	-0,20362467	0,868366113	Cdc42ep3
17490391	10,12427	10,16211	10,33064	10,09224	10,10426	9,80974	10,205673	10,00208	-0,20359333	0,868384973	Atf5
17201639	3,233192	3,815353	4,065765	3,735817	3,270892	3,496833	3,70477	3,501180667	-0,20358933	0,868387381	---
17314691	10,82536	11,188	11,06001	10,79716	10,90858	10,75694	11,024457	10,82089333	-0,20356333	0,868403031	---
17539400	7,068864	6,820653	7,283852	6,711096	7,064775	6,786873	7,0577897	6,854248	-0,20354167	0,868416073	---
17465270	3,761837	4,175149	3,976839	3,870274	3,452954	3,980048	3,971275	3,767758667	-0,20351633	0,868431322	---
17200279	3,626109	3,402475	3,467089	2,96154	3,234893	3,688723	3,4985577	3,295052	-0,20350567	0,868437743	---
17516978	7,479823	7,87936	7,392432	7,60899	7,236239	7,296451	7,5838717	7,38056	-0,20331167	0,86855453	Fam55d
17262355	3,319602	3,447491	3,786403	3,330683	3,151585	3,461362	3,517832	3,314543333	-0,20328867	0,868568377	Mir804
17339499	7,922049	7,668969	7,817214	7,85216	7,61837	7,327837	7,802744	7,599455667	-0,20328833	0,868568578	Snord53
17240575	3,499532	2,935966	3,314175	3,033667	3,038676	3,067478	3,249891	3,046607	-0,203284	0,868571187	---
17481344	4,512692	4,323103	4,411998	4,334266	4,042264	4,261706	4,415931	4,212745333	-0,20318567	0,86863039	Olfr676
17239506	5,199128	5,240536	4,889417	4,829981	4,89579	4,993774	5,1096937	4,906515	-0,20317867	0,868634605	Ect2l
17308345	4,097056	4,03695	4,529497	4,037419	4,074957	3,941622	4,2211677	4,017999333	-0,20316833	0,868640826	---
17250517	3,872334	3,693547	3,682073	3,32267	3,695774	3,620139	3,749318	3,546194333	-0,20312367	0,86866772	---
17229192	4,742904	4,618418	4,222375	4,172784	4,455621	4,345943	4,527899	4,324782667	-0,20311633	0,868672136	4930568G15Rik
17525955	10,95025	10,9225	10,78677	10,77225	10,44634	10,83174	10,886507	10,68344333	-0,20306333	0,868704049	Sc5d
17370373	3,941688	4,070078	4,091093	3,93085	3,682506	3,880529	4,0342863	3,831295	-0,20299133	0,868747404	Olfr367-ps
17519279	7,37333	7,502458	7,444804	7,290818	7,284237	7,136884	7,4401973	7,237313	-0,20288433	0,868811838	2310009A05Rik
17329380	9,819496	9,852411	9,744119	9,525108	9,583815	9,698655	9,805342	9,602526	-0,202816	0,868852991	Rfc4
17326003	5,09982	4,671571	4,753882	4,84472	4,675982	4,396317	4,8417577	4,639006333	-0,20275133	0,868891937	---
17410239	8,400811	8,496237	8,387537	8,288986	8,126423	8,260975	8,428195	8,225461333	-0,20273367	0,868902577	5730508B09Rik
17333893	3,739704	3,647338	4,117317	3,744435	3,548435	3,603423	3,8347863	3,632097667	-0,20268867	0,86892968	Vmn1r234
17458150	6,12256	6,301509	5,807647	5,824285	6,116	5,683366	6,0772387	5,874550333	-0,20268833	0,868929881	Zfp956
17217399	8,324455	8,291481	8,308074	7,881948	8,363482	8,070629	8,3080033	8,105353	-0,20265033	0,868952768	Chi3l1
17201159	7,903395	7,907708	7,99864	6,978724	8,028069	8,195168	7,936581	7,733987	-0,202594	0,868986699	---
17300149	6,203207	5,810148	5,818693	5,864592	5,470407	5,889334	5,944016	5,741444333	-0,20257167	0,869000151	---
17549272	5,756535	5,986273	5,858736	5,565622	5,591753	5,836527	5,8671813	5,664634	-0,20254733	0,869014808	---
17483696	6,784821	6,852791	6,628503	6,723833	6,221099	6,713756	6,7553717	6,552896	-0,20247567	0,869057978	Tgfb1i1
17240940	4,643289	3,796448	4,241489	4,196969	4,239345	3,637586	4,2270753	4,024633333	-0,202442	0,869078259	4930467K11Rik
17521603	6,146376	6,781333	6,434787	6,123746	6,412865	6,218698	6,4541653	6,251769667	-0,20239567	0,86910617	Gmppb
17228743	9,630915	9,802204	9,548223	9,366634	9,441677	9,565908	9,6604473	9,458073	-0,20237433	0,869119022	Cacybp
17206531	8,06881	7,242521	7,840389	7,672219	7,469476	7,40291	7,71724	7,514868333	-0,20237167	0,869120629	---
17454692	8,647584	8,211392	8,416538	8,194487	8,17083	8,303119	8,4251713	8,222812	-0,20235933	0,869128059	Mmd2
17236792	4,247432	4,104169	4,130743	3,953087	3,953173	3,969093	4,1607813	3,958451	-0,20233033	0,869145529	4930556N09Rik
17237805	3,635457	3,450695	3,642725	3,252418	3,381249	3,488247	3,5762923	3,373971333	-0,202321	0,869151152	---
17538002	4,642014	4,510142	4,270566	4,134639	4,516156	4,164978	4,4742407	4,271924333	-0,20231633	0,869153964	---
17277760	4,163517	4,118672	4,003324	3,906162	3,944858	3,827557	4,095171	3,892859	-0,202312	0,869156574	5430427M07Rik
17212968	4,029807	3,842691	4,043724	3,819107	3,773407	3,716791	3,972074	3,769768333	-0,20230567	0,86916039	---
17473854	4,225383	3,651848	3,346358	3,578711	3,694433	3,343632	3,7411963	3,538925333	-0,202271	0,869181275	Vmn1r89
17548287	7,554692	7,494697	7,391204	7,435122	7,09777	7,300933	7,4801977	7,277941667	-0,202256	0,869190312	Oaz2
17220792	4,732179	4,816761	4,612839	4,616569	4,379873	4,558666	4,720593	4,518369333	-0,20222367	0,869209793	---
17309345	6,519055	6,549628	6,415277	6,365343	6,448029	6,064118	6,4946533	6,292496667	-0,20215667	0,86925016	Gm4666 // Gm6219
17367458	4,168078	4,262858	4,545435	4,19876	3,940417	4,230757	4,325457	4,123311333	-0,20214567	0,869256788	Gpr158
17548422	6,585726	6,998138	6,562191	6,363094	6,544991	6,631567	6,7153517	6,513217333	-0,20213433	0,869263617	---
17476490	4,215682	4,052121	4,264275	3,826362	4,176731	3,922595	4,1773593	3,975229333	-0,20213	0,869266228	2200002J24Rik
17361099	7,340044	7,10341	7,259351	7,001358	6,982491	7,112624	7,2342683	7,032157667	-0,20211067	0,869277877	Aip
17337601	3,886575	3,496374	3,62118	3,446281	3,503864	3,447744	3,668043	3,465963	-0,20208	0,869296355	---
17283944	5,790874	6,009919	6,728717	5,69135	6,25746	5,974489	6,1765033	5,974433	-0,20207033	0,869302179	---
17544424	4,721962	4,46891	4,90836	4,479176	4,502986	4,510905	4,699744	4,497689	-0,202055	0,869311419	Nox1
17204373	3,128399	3,48921	3,272498	2,637997	3,525434	3,120535	3,2967023	3,094655333	-0,202047	0,869316239	---
17322026	4,699047	4,42758	4,609467	4,426034	4,297387	4,406544	4,578698	4,376655	-0,202043	0,869318649	Krt2
17387636	3,633107	3,651848	3,806628	3,586995	3,392642	3,506073	3,6971943	3,495236667	-0,20195767	0,86937007	Olfr1040
17324412	5,45753	5,648643	5,957923	5,387319	5,473655	5,597332	5,688032	5,486102	-0,20193	0,869386742	BC106179
17508605	4,264654	4,507299	4,182947	4,004766	4,268704	4,075691	4,3183	4,116387	-0,201913	0,869396986	---
17360731	6,72031	6,254736	6,821297	6,572637	6,334308	6,283802	6,598781	6,396915667	-0,20186533	0,869425712	Gfra1
17269139	4,112283	3,982026	4,170291	3,823493	3,992073	3,843464	4,0882	3,886343333	-0,20185667	0,869430935	Krtap1-5
17275069	10,15288	9,904222	10,04504	10,08768	9,697702	9,711348	10,034047	9,832243333	-0,201804	0,869462675	Agmo
17224736	3,03688	3,257726	3,127009	2,941418	2,884159	2,990634	3,1405383	2,938737	-0,20180133	0,869464282	---
17309542	4,322299	4,189391	4,535007	4,227718	3,868191	4,345438	4,348899	4,147115667	-0,20178333	0,86947513	B930095G15Rik // B930095G15Rik
17210805	5,184406	5,060063	4,963014	4,870219	4,647902	5,08423	5,069161	4,867450333	-0,20171067	0,869518925	---
17276881	4,453526	4,489795	4,982548	4,476024	4,451975	4,392892	4,6419563	4,440297	-0,20165933	0,869549865	---
17308083	6,062605	5,85071	5,700585	5,65169	5,76942	5,587842	5,8713	5,669650667	-0,20164933	0,869555892	Adamdec1
17511366	10,32328	10,29684	10,26155	9,999008	10,10365	10,17425	10,29389	10,09230267	-0,20158733	0,869593262	Dnaja2
17351837	8,956633	9,057611	8,94962	8,644276	8,863428	8,851464	8,9879547	8,786389333	-0,20156533	0,869606523	BC031181
17202211	3,130631	3,167349	3,123178	2,948291	2,948291	2,919897	3,140386	2,938826333	-0,20155967	0,869609938	---
17248249	6,943531	6,694505	6,970805	6,553118	6,760189	6,690968	6,8696137	6,668091667	-0,201522	0,869632643	Mpg
17200019	3,632055	3,608295	3,818329	3,566845	3,496596	3,390831	3,6862263	3,484757333	-0,201469	0,869664591	---
17286212	3,848416	3,89457	3,651848	3,710464	3,477963	3,602002	3,798278	3,596809667	-0,20146833	0,869664993	Prl4a1
17348396	5,685255	5,279529	5,668092	5,506235	5,388849	5,133512	5,544292	5,342865333	-0,20142667	0,86969011	---
17366780	6,560051	6,803337	6,552938	6,772697	6,048852	6,490538	6,6387753	6,437362333	-0,201413	0,869698349	---
17462139	5,185302	4,764935	4,744645	4,717407	4,84077	4,532547	4,898294	4,696908	-0,201386	0,869714625	Olfr213
17292800	7,211771	7,284529	7,183171	7,057948	6,952035	7,0654	7,2264903	7,025127667	-0,20136267	0,869728692	Uimc1
17366748	4,210197	3,939132	4,131294	3,761639	4,169473	3,745446	4,093541	3,892186	-0,201355	0,869733313	---
17206759	4,066516	5,168011	4,036402	4,244514	4,345553	4,076856	4,423643	4,222307667	-0,20133533	0,86974517	---
17275875	5,840006	5,774519	5,898533	5,591958	5,606924	5,710413	5,837686	5,636431667	-0,20125433	0,869794003	Lrr1
17448811	8,708009	7,849802	8,016002	7,955292	8,065309	7,949467	8,191271	7,990022667	-0,20124833	0,86979762	---
17258004	4,092058	3,832456	4,038494	3,850737	3,928193	3,580399	3,9876693	3,786443	-0,20122633	0,869810884	1700025D23Rik
17209631	5,799179	4,875833	6,105231	5,562357	4,921432	5,692802	5,5934143	5,392197	-0,20121733	0,86981631	---
17429873	2,864549	3,027118	3,08871	2,863161	2,743727	2,769921	2,993459	2,792269667	-0,20118933	0,869833192	---
17203577	3,033063	3,451477	3,582637	3,215321	3,016619	3,231682	3,3557257	3,154540667	-0,201185	0,869835805	---
17205991	5,720489	6,006909	6,413512	6,196632	5,811493	5,529237	6,04697	5,845787333	-0,20118267	0,869837211	---
17462764	6,231349	6,377163	6,321934	6,034742	6,23198	6,060181	6,3101487	6,108967667	-0,201181	0,869838216	Clec4a2
17487712	5,639787	5,2782	5,888403	5,435405	5,347023	5,420618	5,60213	5,401015333	-0,20111467	0,869878211	1700008P20Rik
17204091	5,764025	5,948685	5,411318	5,712655	5,381591	5,426529	5,7080093	5,506925	-0,20108433	0,869896501	---
17288234	5,475619	5,571678	5,279528	5,436648	4,968207	5,318798	5,442275	5,241217667	-0,20105733	0,869912781	Gm10324 // Gm10324 // Gm10324
17526347	4,20514	4,381313	4,150811	4,114782	4,035696	3,983767	4,2457547	4,044748333	-0,20100633	0,869943534	---
17384046	5,943024	5,657141	5,959777	5,71169	5,515695	5,729711	5,853314	5,652365333	-0,20094867	0,869978307	---
17548442	5,572518	5,882906	5,725621	5,530831	5,564415	5,48296	5,727015	5,526068667	-0,20094633	0,869979714	Gm6745
17476773	6,61361	6,709517	6,404166	6,280168	6,439041	6,40528	6,5757643	6,374829667	-0,20093467	0,86998675	Ccdc123
17471794	3,744872	3,543656	3,601099	3,571568	3,406265	3,309126	3,6298757	3,428986333	-0,20088933	0,870014087	Gm6590 // Gm6590
17371101	7,436659	7,585648	7,359694	7,18962	7,162402	7,427324	7,460667	7,259782	-0,200885	0,870016701	Tank
17246386	4,028472	3,190089	3,926276	3,448551	3,359862	3,73384	3,7149457	3,514084333	-0,20086133	0,870030973	Olfr764 // Olfr766
17532879	5,908686	5,739828	5,86567	5,667778	5,504591	5,739247	5,8380613	5,637205333	-0,200856	0,870034189	Syp
17247946	3,327119	3,280294	3,396137	3,118134	3,168075	3,114792	3,3345167	3,133667	-0,20084967	0,870038009	Mir217
17428217	7,760897	7,902659	7,826702	7,622602	7,623531	7,641696	7,830086	7,629276333	-0,20080967	0,870062132	Cdkn2c
17287814	4,854325	4,455681	4,83446	4,572742	4,532716	4,436621	4,714822	4,514026333	-0,20079567	0,870070575	Fbxl21
17403992	3,576248	3,312757	3,794998	3,329432	3,340961	3,411244	3,5613343	3,360545667	-0,20078867	0,870074796	---
17436659	4,360082	4,497274	4,917034	4,568637	4,191929	4,411461	4,5914633	4,390675667	-0,20078767	0,870075399	Grk4
17417223	9,737694	9,826504	8,837434	10,01284	8,647245	9,13921	9,4672107	9,266431667	-0,200779	0,870080626	Cyp4a10
17207329	5,839332	5,357491	5,906082	5,502561	5,845732	5,152345	5,7009683	5,500212667	-0,20075567	0,870094699	---
17276252	10,41334	10,6317	10,37208	10,09614	10,15613	10,56274	10,472373	10,27167	-0,20070333	0,870126262	---
17314624	7,036499	6,083952	6,74467	6,465878	6,438409	6,358758	6,621707	6,421015	-0,200692	0,870133097	Olfr279
17543363	3,793351	3,410705	3,578682	3,36151	3,535348	3,28383	3,594246	3,393562667	-0,20068333	0,870138324	Msn // Msn
17247373	4,930923	4,180632	4,758218	4,678161	4,163197	4,426514	4,6232577	4,422624	-0,20063367	0,87016828	---
17546082	3,592208	3,659532	3,921722	3,593265	3,511127	3,467235	3,7244873	3,523875667	-0,20061167	0,87018155	Gm8817
17461467	3,436021	3,726244	3,761437	3,522181	3,348442	3,451369	3,641234	3,440664	-0,20057	0,870206682	---
17489707	9,118918	9,276485	9,234238	9,139399	8,96939	8,939274	9,216547	9,016021	-0,200526	0,870233222	Cebpg
17471898	3,504884	3,491159	3,748859	3,387513	3,331836	3,424029	3,581634	3,381126	-0,200508	0,87024408	Gm4736
17501550	6,700749	7,19904	6,844371	6,766115	6,569572	6,806951	6,91472	6,714212667	-0,20050733	0,870244482	Naf1
17463332	4,899388	4,982133	5,141637	4,572208	4,994372	4,85516	5,0077193	4,807246667	-0,20047267	0,870265394	Fgf6
17344686	5,236532	5,669055	4,673534	4,978212	4,989226	5,010777	5,1930403	4,992738333	-0,200302	0,87036835	---
17481695	10,59753	10,68675	10,65828	10,54302	10,38795	10,41069	10,64752	10,44722	-0,2003	0,870369556	Ipo7
17249898	6,894139	7,138584	6,876706	6,744202	6,709291	6,855082	6,9698097	6,769525	-0,20028467	0,870378807	Galnt10
17424461	6,272297	6,53142	6,556769	6,489781	5,937735	6,332218	6,4534953	6,253244667	-0,20025067	0,870399319	Ccl21a
17324996	3,774464	3,865654	4,252525	3,535831	4,154312	3,601822	3,9642143	3,763988333	-0,200226	0,870414201	Mir1947
17473410	6,006637	5,936013	6,225534	5,911038	5,859189	5,797299	6,0560613	5,855842	-0,20021933	0,870418223	Zfp628
17204753	4,807295	5,038773	5,561665	5,12031	4,696356	4,99045	5,135911	4,935705333	-0,20020567	0,870426469	---
17315124	5,886668	5,448539	5,834464	5,616485	5,404542	5,548231	5,7232237	5,523086	-0,20013767	0,870467496	Ankrd33
17285706	7,843684	7,878941	8,163012	7,808747	7,72427	7,752307	7,961879	7,761774667	-0,20010433	0,870487609	Hist1h4m
17350171	4,728162	4,782358	4,562332	4,403993	4,51739	4,551221	4,6909507	4,490868	-0,20008267	0,870500682	Stk32a
17542913	4,160667	3,691063	3,68167	3,562652	3,636242	3,734343	3,8444667	3,644412333	-0,20005433	0,870517778	---
17445253	3,18062	3,21134	3,295615	2,931308	3,056481	3,099642	3,2291917	3,029143667	-0,200048	0,8705216	---
17320684	4,611874	4,429464	4,738235	4,367305	4,356458	4,455905	4,593191	4,393222667	-0,19996833	0,870569672	---
17514871	9,055571	9,370581	9,112909	8,912523	8,857905	9,168866	9,179687	8,979764667	-0,19992233	0,87059743	Chordc1
17301131	8,732967	8,989325	8,915773	8,679693	8,579128	8,779479	8,879355	8,679433333	-0,19992167	0,870597832	Rnaseh2b
17209609	3,840522	3,628391	4,353742	3,815353	3,492751	3,91483	3,940885	3,740978	-0,199907	0,870606683	---
17231963	6,786559	7,213782	7,187857	6,976411	6,708833	6,903233	7,0627327	6,862825667	-0,199907	0,870606683	Fam54a
17206963	6,434165	6,753902	5,986903	6,542599	6,051848	5,980805	6,3916567	6,191750667	-0,199906	0,870607287	---
17294664	7,461617	7,750022	7,657329	7,505992	7,209758	7,553509	7,6229893	7,423086333	-0,199903	0,870609097	Polr3g
17291852	3,565899	3,344619	3,123178	3,066066	2,981813	3,386231	3,3445653	3,144703333	-0,199862	0,870633839	---
17522803	7,091377	7,327911	7,512239	6,750841	7,324012	7,257174	7,310509	7,110675667	-0,19983333	0,870651139	---
17428797	8,545413	9,248999	8,949249	8,806014	8,701095	8,637071	8,9145537	8,714726667	-0,199827	0,870654961	Snord38a

17448543	6,104681	6,457428	6,134212	5,934673	6,059574	6,102868	6,232107	6,032371667	-0,19973533	0,870710283	Gnpda2
17295735	4,705606	4,376184	4,614892	4,450622	4,015901	4,630991	4,5655607	4,365838	-0,19972267	0,870717928	Mrps36
17483615	5,299962	5,220653	4,84868	4,860941	5,170954	4,738419	5,1230983	4,923438	-0,19966033	0,870755549	Itgax
17335204	6,532	6,63567	6,765346	6,525812	6,435752	6,37268	6,6443387	6,444748	-0,19959067	0,870797598	Anks1
17516365	12,70415	12,86589	12,74848	12,6188	12,49817	12,60285	12,77284	12,57327333	-0,19956667	0,870812084	Hspa8
17534569	7,753027	8,019998	7,893891	7,702495	7,606371	7,759365	7,888972	7,689410333	-0,19956167	0,870815102	Utp14a
17396890	3,381651	3,398531	3,145102	2,967901	3,206961	3,151808	3,308428	3,10889	-0,199538	0,870829388	---
17389802	7,558983	7,717049	7,534364	7,343103	7,375289	7,493459	7,6034653	7,403950333	-0,199515	0,870843271	Fam82a2
17397120	6,699131	6,742611	6,901754	6,56585	6,752937	6,426303	6,7811653	6,581696667	-0,19946867	0,870871239	Bbs12
17210447	2,858603	3,293091	2,815713	3,002228	2,778477	2,588442	2,9891357	2,789715667	-0,19942	0,870900617	---
17440954	7,088911	7,291765	7,104096	7,023669	6,999496	6,8634	7,1615907	6,962188333	-0,19940233	0,870911282	Mvk
17543529	3,875698	4,216114	4,666686	3,902419	4,106955	4,150986	4,2528327	4,053453333	-0,19937933	0,870925166	Slc7a3
17209691	4,865414	5,108599	4,855394	4,585675	4,575974	5,069735	4,9431357	4,743794667	-0,199341	0,870948308	---
17272537	5,329844	4,603145	5,226218	4,670664	4,926631	4,963906	5,053069	4,853733667	-0,19933533	0,870951729	---
17241530	3,278477	3,417567	3,381021	3,021513	3,272674	3,184881	3,3590217	3,159689333	-0,19933233	0,87095354	---
17447148	8,01693	7,434788	7,761952	7,356277	7,641606	7,617894	7,73789	7,538592333	-0,19929767	0,870974468	---
17210803	4,476424	4,564605	5,1267	5,125818	4,343821	4,100214	4,7225763	4,523284333	-0,199292	0,870977889	---
17501354	8,869973	9,136638	8,88705	8,811383	8,659345	8,825061	8,9645537	8,765263	-0,19929067	0,870978694	2700029M09Rik
17304514	6,111951	6,651803	6,201281	6,268328	5,956286	6,142564	6,3216783	6,122392667	-0,19928567	0,870981713	Snord19
17424042	6,691586	7,009644	6,695401	6,449356	6,536602	6,812823	6,798877	6,599593667	-0,19928333	0,870983121	Aptx
17354589	4,413828	5,131736	4,475417	4,33338	4,504613	4,58522	4,6736603	4,474404333	-0,199256	0,870999623	Gm4841
17425389	7,411842	7,489511	7,346162	7,038245	7,222603	7,388988	7,4158383	7,216612	-0,19922633	0,871017534	---
17505501	6,454935	6,674525	6,845763	6,295571	6,486876	6,595415	6,6584077	6,459287333	-0,19912033	0,871081533	Ftsjd1
17203861	3,148722	4,421291	4,035029	3,773044	3,570911	3,663738	3,8683473	3,669231	-0,19911633	0,871083948	---
17203271	6,103684	5,43118	4,817168	5,985807	4,884322	4,884571	5,4506773	5,251566667	-0,19911067	0,87108737	---
17221234	10,07974	10,01428	10,28022	9,896365	9,963409	9,917156	10,124747	9,925643333	-0,19910333	0,871091798	---
17400809	4,896333	5,134367	5,271349	5,164008	5,769107	3,771686	5,100683	4,901600333	-0,19908267	0,871104276	---
17343158	3,851859	3,633134	3,425788	3,446482	3,453524	3,41357	3,636927	3,437858667	-0,19906833	0,87112931	---
17361829	5,735383	5,537947	5,440953	5,528643	5,259973	5,328564	5,5714277	5,372393333	-0,19903433	0,871133461	Tigd3
17231100	5,794005	5,657497	5,531851	5,379779	5,554247	5,45224	5,6611177	5,462088667	-0,199029	0,871136681	Traf5
17244705	6,580764	6,805257	6,266769	6,200174	6,221997	6,633646	6,55093	6,351939	-0,198991	0,871159627	Acss3
17274212	9,495087	9,516952	9,391747	9,216176	9,31432	9,276334	9,4679287	9,268943333	-0,19898533	0,871163048	Rock2
17399776	5,671344	5,236925	6,474051	5,75422	5,567827	5,463421	5,7941067	5,595156	-0,19895067	0,871183982	S100a14
17289971	4,822329	5,016436	4,890534	4,637512	4,891165	4,603921	4,9097663	4,710866	-0,19890033	0,871214377	Ccno
17521130	5,907398	6,129673	6,056043	5,822719	5,739725	5,934044	6,031038	5,832162667	-0,19887533	0,871229474	Glyctk
17372888	3,510248	3,617332	4,032941	3,7381	3,510003	3,315965	3,7201737	3,521356	-0,19881767	0,871264299	Olfr1151
17228656	5,345775	5,04641	5,442042	5,066494	5,11	5,061412	5,2780757	5,079302	-0,19877367	0,871290872	Fam5b
17373657	4,170537	3,984812	4,236211	4,027397	3,808931	3,958951	4,13052	3,931759667	-0,19876033	0,871298924	---
17207029	6,872405	5,920715	6,438523	6,097013	6,128225	6,410182	6,4105477	6,211806667	-0,198741	0,8713106	---
17235947	7,694759	7,732286	7,63825	7,476036	7,410317	7,583024	7,6884317	7,489792333	-0,19863933	0,871372004	D10Wsu102e
17312079	6,789545	7,084415	6,668221	6,504294	6,790594	6,651389	6,8473937	6,648759	-0,19863467	0,871374822	---
17290957	5,110578	5,100966	5,22064	4,853968	5,128522	4,854033	5,1440613	4,945507667	-0,19855367	0,871423747	Nkapl
17307470	2,980942	3,059093	3,033705	2,798825	2,815326	2,863969	3,02458	2,82604	-0,19854	0,871432002	---
17541232	3,618823	4,142681	3,596983	4,083863	3,230567	3,44849	3,7861623	3,58764	-0,19852233	0,871442673	---
17372850	4,499508	3,905137	4,067323	4,398329	3,922548	3,555545	4,1573227	3,958807333	-0,19851533	0,871446901	Olfr1126
17506947	5,852434	5,836396	6,267232	5,772048	5,972451	5,616025	5,985354	5,786841333	-0,19851267	0,871448512	---
17208007	6,091251	5,669642	5,296374	5,831594	5,378392	5,251781	5,6857557	5,487255667	-0,1985	0,871456164	---
17402357	8,427885	8,656506	8,375552	8,398776	8,299334	8,166358	8,4866477	8,288156	-0,19849167	0,871461197	1810037I17Rik
17494950	5,313941	5,764782	5,711844	5,49768	5,385979	5,311439	5,5968557	5,398366	-0,19848967	0,871462405	Scube2
17372498	6,835976	7,045636	7,00613	6,773795	6,622645	6,895855	6,9625807	6,764098333	-0,19848233	0,871466835	Zc3h15
17330649	4,592941	4,179548	4,671928	3,997512	4,186907	4,664591	4,4814723	4,283003333	-0,198469	0,871474889	Gm17783
17214753	5,293566	5,168962	5,013948	4,938652	4,963256	4,979231	5,1588253	4,960379667	-0,19844567	0,871488984	Irs1 // Irs1
17537173	5,577903	5,628552	5,416654	5,419151	5,270739	5,33792	5,5410363	5,342603333	-0,198433	0,871496636	2810403D21Rik
17211564	4,064523	4,403592	4,220796	4,292313	4,363226	3,438135	4,229637	4,031224667	-0,19841233	0,87150912	---
17469339	5,624892	6,374553	5,862548	5,788005	5,920516	5,558316	5,9539977	5,755612333	-0,19838533	0,87152543	---
17550136	4,594137	6,088146	4,775227	4,195594	4,956179	5,710682	5,1525033	4,954151667	-0,19835167	0,871545768	---
17449656	4,292856	4,668839	4,025181	4,09332	4,239918	4,058621	4,3289587	4,130619667	-0,198339	0,871553421	Ppef2
17550468	6,530279	6,76444	6,728096	6,338794	6,698479	6,390543	6,6742717	6,475938667	-0,198333	0,871557045	---
17473932	3,950151	3,652068	4,042281	3,609703	3,86681	3,573091	3,8815	3,683201333	-0,19829867	0,871577787	Sult2a5
17331241	3,836688	3,805514	3,779694	3,401585	3,64326	3,782295	3,8072987	3,609046667	-0,198252	0,87160598	Olfr187
17463833	6,376268	6,415431	6,379576	6,192522	6,267936	6,116089	6,390425	6,192182333	-0,19824267	0,871611619	H2afj
17204065	4,051123	4,965191	4,537435	4,439413	4,099621	4,420117	4,5179163	4,319717	-0,19819933	0,871637799	---
17490067	5,959677	5,721886	6,14185	5,921721	6,075356	5,231784	5,9411377	5,742953667	-0,198184	0,871647063	---
17347112	3,730152	3,857463	3,76869	3,6217	3,515825	3,624285	3,785435	3,58727	-0,198165	0,871658543	---
17202419	4,410852	4,736008	5,299836	4,524848	4,919044	4,40831	4,8155653	4,617400667	-0,19816467	0,871658744	---
17255335	7,471889	7,665702	7,582977	7,379013	7,216838	7,530251	7,5735227	7,375367333	-0,19815533	0,871664383	Samd14
17205603	4,324191	4,2965	4,482371	4,228334	4,054737	4,225632	4,3676873	4,169567667	-0,19811967	0,871685933	---
17232800	4,718062	4,593719	4,514923	4,553998	4,205665	4,472686	4,6089013	4,410783	-0,19811833	0,871686739	---
17204553	3,783134	2,937488	3,540235	3,196009	3,302219	3,168281	3,4202857	3,222169667	-0,198116	0,871688149	---
17406403	5,348422	5,557954	5,495657	5,253815	5,323112	5,231203	5,4673443	5,269376667	-0,19796767	0,871777777	Fam160a1
17243761	5,607914	5,575651	5,081015	5,095114	5,133675	5,441955	5,4215267	5,223581333	-0,19794533	0,871791273	---
17209665	5,853298	5,968906	5,464671	5,633598	5,524509	5,535406	5,7622917	5,564504333	-0,19778733	0,871886754	---
17549558	4,350686	4,342475	4,284024	4,11842	4,150419	4,115012	4,3257283	4,127950333	-0,197778	0,871892395	---
17549716	4,350686	4,342475	4,284024	4,11842	4,150419	4,115012	4,3257283	4,127950333	-0,197778	0,871892395	---
17257165	7,084157	7,00426	6,836771	6,654283	6,698475	6,979157	6,9750627	6,777305	-0,19775767	0,871904683	Arf2
17239363	3,679029	3,763425	3,772905	3,5065	3,586401	3,529359	3,738453	3,540753333	-0,19769967	0,871939737	Fam164b
17250149	7,414187	7,557976	7,248893	7,138024	7,117594	7,372425	7,4070187	7,209347667	-0,197671	0,871957063	Btnl10
17459822	5,212361	4,937974	5,343009	5,043409	5,054023	4,802923	5,164448	4,966785	-0,197663	0,871961898	---
17283767	7,262561	7,503074	7,196579	6,978685	7,197286	7,19328	7,320738	7,123083667	-0,19765433	0,871967136	Scarna13
17228941	3,481603	3,520382	3,41317	3,367838	3,109431	3,345021	3,4717183	3,274096667	-0,19762167	0,87198688	---
17336953	7,268551	6,64897	7,392504	6,856178	6,893061	6,967957	7,1033417	6,905732	-0,19760967	0,871994133	---
17387464	6,790113	7,186232	6,844405	6,76106	6,796288	6,670575	6,94025	6,742641	-0,197609	0,871994536	2700094K13Rik
17210437	6,147949	5,894164	5,837523	5,710605	5,75984	5,816481	5,9598787	5,762308667	-0,19757	0,872018109	---
17502440	7,306436	7,251379	7,39482	7,119515	7,242774	6,997637	7,317545	7,119975333	-0,19756967	0,87201831	Klf2
17542893	4,023835	3,631969	3,95215	3,512363	3,725724	3,777343	3,869318	3,67181	-0,197508	0,872055585	---
17446981	6,972857	7,016733	7,006316	6,869872	6,744397	6,789331	6,9986353	6,8012	-0,19743533	0,87209951	Fndc4
17359689	11,82716	11,78976	11,44828	11,33883	11,25197	11,88215	11,6884	11,49098333	-0,19741667	0,872110794	Scd2
17205799	4,400627	4,085346	3,938582	3,826928	3,91428	4,091136	4,1415183	3,944114667	-0,19740367	0,872118652	---
17512177	4,523097	4,094533	4,452466	4,137694	4,049874	4,290508	4,3566987	4,159358667	-0,19734	0,87215714	---
17220760	2,909402	4,005008	3,688297	2,991589	3,230292	3,788879	3,5342357	3,33692	-0,19731567	0,872171851	---
17399402	8,434719	7,910998	7,86885	7,909493	7,943778	7,769431	8,0715223	7,874234	-0,19728833	0,872188375	---
17474485	6,506991	6,256677	6,264928	6,021823	6,36304	6,051978	6,3428653	6,145613667	-0,19725167	0,872210542	Fbxo46
17432477	3,903181	3,829908	4,36904	3,712837	4,006052	3,791499	4,034043	3,836796	-0,197247	0,872213364	Gm13084
17531734	4,946088	4,655354	4,704103	4,519359	4,686963	4,507515	4,768515	4,571279	-0,197236	0,872220014	Stac
17289452	4,252327	4,281742	4,539236	4,138941	4,119248	4,223659	4,3577683	4,160616	-0,19715233	0,872270598	---
17300888	3,862001	3,693354	3,856991	3,680452	3,664531	3,476042	3,8041153	3,607008333	-0,197107	0,872298008	B020004C17Rik
17349949	4,862107	5,025335	4,870969	5,021173	4,549469	4,596503	4,9194703	4,722381667	-0,19708867	0,872309093	Pcdhb22
17528428	3,490262	3,644545	3,304295	3,213208	3,193891	3,440763	3,4797007	3,282620667	-0,19708	0,872314333	---
17201359	4,081957	3,776757	3,358162	3,539194	3,191058	3,895443	3,7389587	3,541898333	-0,19706033	0,872326224	---
17340772	6,845324	6,308662	6,751594	6,196973	6,654966	6,462518	6,6351933	6,438152333	-0,197041	0,872337914	Qk
17505252	9,355314	9,684906	9,406833	9,322737	9,245531	9,287721	9,482351	9,285329667	-0,19702133	0,872349806	Cyb5b
17547801	6,79164	6,765271	6,843398	6,498072	6,705047	6,606154	6,800103	6,603091	-0,197012	0,87235545	Nisch // Nisch
17529871	7,12035	7,067416	7,432882	7,038103	7,006613	6,98501	7,2068827	7,009908667	-0,196974	0,872378427	Acpl2
17203709	4,297219	3,439332	3,671451	3,422097	3,389504	4,00554	3,8026673	3,605713667	-0,19695367	0,872390723	---
17548334	10,92937	11,04927	10,8132	10,67811	10,63604	10,88689	10,930613	10,73368	-0,19693333	0,872403018	Ptges3 // Ptges3
17305524	3,808587	3,372462	3,097804	3,170179	3,15974	3,358254	3,4262843	3,229391	-0,19689333	0,872427207	Ear10
17200885	5,455307	4,283234	4,929725	5,172111	3,79824	5,107358	4,889422	4,692569667	-0,19685233	0,872452001	---
17533280	4,333257	4,619263	4,5945	4,236537	4,237687	4,482265	4,5156733	4,318829667	-0,19684367	0,872457242	---
17344642	4,944894	5,388999	5,361465	4,866805	5,028506	5,209751	5,231786	5,035020667	-0,19676533	0,872504615	H2-T10
17432757	5,649582	5,128978	5,231217	5,197069	5,166338	5,056202	5,3365923	5,139869667	-0,19672267	0,87253419	---
17374612	5,345872	5,282751	5,503285	5,193541	5,185653	5,162584	5,3773027	5,180592667	-0,19671	0,872538079	Phgr1
17401224	4,697341	4,321074	4,370509	4,334276	4,120804	4,343912	4,4629747	4,266330667	-0,196644	0,872577997	---
17406708	5,04743	4,677175	5,014596	4,546117	4,769314	4,833896	4,913067	4,716442333	-0,19662467	0,87258969	Tmem79
17398581	6,634261	6,757646	6,635034	6,570784	6,385584	6,48074	6,675647	6,479036	-0,196611	0,872597956	Fbxw7
17543639	4,643063	3,762252	4,254151	4,167345	3,955627	3,946704	4,219822	4,023225333	-0,19659667	0,872606626	---
17233737	9,826217	10,1037	9,828515	9,400495	9,933326	9,834859	9,9194773	9,722893333	-0,196584	0,872614287	---
17398888	7,803699	7,887701	7,799044	7,669337	7,549152	7,682403	7,830148	7,633630667	-0,19651733	0,872654611	Isg20l2
17200087	4,847071	4,93772	4,830259	4,944291	4,472023	4,60922	4,8716833	4,675178	-0,19650533	0,87266187	---
17315392	10,10185	10,27725	9,991879	9,577012	10,11276	10,09181	10,12366	9,927194	-0,19646567	0,872685864	---
17507532	5,600451	5,32586	5,726911	5,173255	5,508072	5,382722	5,551074	5,354683	-0,196391	0,872731031	---
17438530	4,880533	5,057462	4,57773	4,816554	4,476158	4,633921	4,838575	4,642211	-0,196364	0,872747364	Lphn3
17497953	5,405762	5,568113	5,598477	5,641205	5,043356	5,298757	5,5241173	5,327772667	-0,19634467	0,87275906	Polr2l
17502954	8,48902	8,730719	8,524826	8,292332	8,390154	8,47325	8,5815217	8,385245333	-0,19627633	0,872800399	Dnajb1
17350364	8,290712	8,420206	8,050191	7,847261	8,178091	8,146944	8,253703	8,057432	-0,196271	0,872803626	LOC100861902
17391463	10,22262	10,24489	10,28195	10,02378	10,02008	10,11681	10,24982	10,05355667	-0,19626333	0,872808264	---
17433909	7,145687	7,230137	7,417511	7,191686	6,907551	7,105418	7,264445	7,068218333	-0,19622667	0,872830447	Gltpd1
17310466	7,877888	7,913876	7,97755	7,713532	7,585976	7,881142	7,9231047	7,726883333	-0,19622133	0,872833674	Drosha
17203007	6,332439	5,874553	5,749914	5,771186	5,873235	5,723862	5,9856353	5,789427667	-0,19620767	0,872841942	---
17547642	4,728101	4,554978	4,580497	4,75663	4,209418	4,308971	4,621192	4,425006333	-0,19618567	0,872855252	Gm10838
17349065	4,204324	4,176454	4,233107	3,932258	4,067361	4,025828	4,2046283	4,008482333	-0,196146	0,872879252	---
17396132	7,779113	7,89372	7,632616	7,564219	7,59461	7,558262	7,768483	7,572363667	-0,19611933	0,872895386	E2f5
17280919	4,218733	4,61091	4,420654	4,457455	4,120976	4,083564	4,4167657	4,220665	-0,19610067	0,87290668	---
17253448	5,759811	6,407913	6,085003	4,954052	6,172765	6,537664	6,0842423	5,888160333	-0,196082	0,872917975	Mir144
17212945	5,962362	5,177544	5,635338	5,381772	5,527923	5,27739	5,591748	5,395695	-0,196053	0,872935522	---

17305683	7,004064	6,84488	6,691009	6,899086	6,63136	6,421358	6,846651	6,650601333	-0,19604967	0,872937539	---
17200687	4,636233	5,189812	4,63487	4,890059	4,180428	4,802289	4,820305	4,624258667	-0,19604633	0,872939556	---
17271151	6,82922	6,216665	6,917338	6,418361	6,367961	6,588849	6,6544077	6,458390333	-0,19601733	0,872957103	Cacng4
17532280	5,098114	5,267304	5,311221	4,93786	4,890184	5,260692	5,2255463	5,029578667	-0,19596767	0,872987156	1700020M21Rik // 1700020M21Rik
17331533	7,943871	7,940568	7,704888	7,656293	7,786496	7,558738	7,863109	7,667175667	-0,19593333	0,873007932	Hspa13
17451482	5,380052	5,313377	5,715709	5,304651	5,435906	5,080898	5,4697127	5,273818333	-0,19589433	0,873031532	Svop
17222564	8,317756	8,283068	8,339685	8,055143	8,218233	8,079601	8,313503	8,117659	-0,195844	0,873061991	Snord89
17490935	6,690807	6,28263	6,687559	6,312703	6,361413	6,39935	6,5536653	6,357822	-0,19584333	0,873062395	Spaca4
17207825	4,491777	4,685489	4,452773	3,899879	4,523025	4,619664	4,5433463	4,347522667	-0,19582367	0,873074296	---
17507236	4,891194	4,773602	4,954751	4,683831	4,68113	4,667182	4,8731823	4,677381	-0,19580133	0,873087812	---
17232172	5,173577	4,988746	4,967331	4,770858	4,859492	4,912004	5,043218	4,847451333	-0,19576667	0,873108791	Taar1
17277919	5,103509	5,435662	5,298115	4,99872	5,210694	5,040579	5,2790953	5,083331	-0,19576433	0,873110204	Gm10433
17430192	7,64269	7,62708	7,526089	7,348126	7,394312	7,466312	7,5986197	7,402916667	-0,195703	0,873147323	Zmym1
17221751	5,4465	4,986809	5,260046	4,942241	5,034641	5,129445	5,2311183	5,035442333	-0,195676	0,873163664	4933415F23Rik
17403565	5,719486	5,231211	5,453109	5,310916	5,368256	5,137656	5,4679353	5,272276	-0,19565933	0,873173751	Gm16325
17393854	4,499561	4,263144	4,497409	4,245704	4,095074	4,332409	4,420038	4,224395667	-0,19564233	0,87318404	4933416E03Rik
17435041	2,779973	3,061977	3,18925	2,824687	2,815714	2,803898	3,0104	2,814766333	-0,19563367	0,873189286	---
17275873	3,68675	3,522269	3,871697	3,504899	3,442075	3,547013	3,693572	3,497995667	-0,19557633	0,873223987	---
17340244	7,398115	6,938192	6,995063	6,921351	6,840941	6,982384	7,1104567	6,914892	-0,19556467	0,873231049	Ttc7
17549454	3,709755	3,683751	3,707044	3,508745	3,571515	3,434156	3,7001833	3,504805333	-0,195378	0,873344041	---
17531455	3,588398	3,386335	4,241693	3,719251	3,238584	3,672489	3,7388087	3,543441333	-0,19536733	0,873350499	Fbxw26
17547869	9,170939	9,158586	8,921699	8,55444	9,084913	9,025784	9,0837413	8,888379	-0,19536233	0,873353525	Ywhaz
17456131	7,606899	7,493223	7,361881	7,284412	7,342724	7,248841	7,4873343	7,291992333	-0,195342	0,873365834	Tes
17365721	8,349936	8,478533	8,284225	8,224622	8,055199	8,246872	8,370898	8,175564333	-0,19533367	0,873370879	Bbip1
17300112	3,556018	3,312831	3,62772	3,314289	3,335401	3,260975	3,4988563	3,303555	-0,19530133	0,873390453	---
17448148	2,875259	2,960163	3,107935	2,654623	2,997345	2,70551	2,981119	2,785826	-0,195293	0,873395498	---
17292671	4,773253	4,689309	5,151923	4,547232	4,955659	4,525795	4,871495	4,676228667	-0,19526633	0,873411642	Msx2
17208055	4,288063	4,652902	5,19712	4,449698	4,932151	4,170457	4,712695	4,517435333	-0,19525967	0,8734156578	---
17304510	10,89171	11,16049	11,24906	10,96599	11,05172	10,69787	11,10042	10,90519333	-0,19522667	0,873435657	Snord69
17293362	7,951903	8,403138	7,901816	7,850461	7,931487	7,889376	8,085619	7,890441333	-0,19517767	0,873465323	Ctla2a
17221869	4,731613	4,256681	4,966979	4,671696	4,413484	4,284718	4,6517577	4,456632667	-0,195125	0,87349721	---
17531181	6,535105	6,742095	6,866769	6,479742	6,367125	6,711751	6,7146563	6,519539333	-0,195117	0,873502054	Rhoa // Rhoa
17285546	4,802131	4,78779	4,668893	4,445469	4,491457	4,73659	4,752938	4,557838667	-0,19509933	0,87351275	Sfrp4
17442970	9,147513	9,331138	9,155739	8,862991	9,130444	9,05569	9,2114633	9,016375	-0,19508833	0,87351941	Vkorc1l1
17300316	4,922044	4,570976	4,845411	4,738581	4,34376	4,6711	4,779477	4,584480333	-0,19499667	0,873574914	Psmb11
17293376	4,265517	3,833337	4,127004	3,816441	4,112363	3,712343	4,075286	3,880382333	-0,19490367	0,873631229	Ctsj
17305487	5,846202	5,775406	5,313574	5,56249	5,340399	5,447724	5,6450607	5,450204333	-0,19485633	0,873659893	---
17206373	6,12922	6,753325	7,096497	6,62096	6,431045	6,342547	6,6596807	6,464850667	-0,19483	0,873675839	---
17352859	5,827705	5,841607	5,879497	5,485353	5,774839	5,704217	5,849603	5,654803	-0,1948	0,873694007	E430002N23Rik
17523486	6,625935	7,056394	6,609477	6,471139	6,549897	6,68649	6,7639353	6,569175333	-0,19476	0,873718232	Zfp105
17544300	3,511346	3,541274	4,075506	3,018262	3,972586	3,553077	3,7093753	3,514641667	-0,19473367	0,87373418	---
17437667	4,755687	4,645082	4,738512	4,539359	4,533297	4,482436	4,7130937	4,518364	-0,19472967	0,873736602	C030018K13Rik
17448565	4,245118	4,185256	4,349221	4,031855	4,228727	3,934829	4,259865	4,065137	-0,194728	0,873737611	Gabrg1
17429875	5,463078	5,548026	5,542755	5,500221	5,277945	5,19156	5,517953	5,323242	-0,194711	0,873747907	---
17247367	3,65669	3,521406	3,81936	3,631682	3,436763	3,345561	3,6658187	3,471335333	-0,19448333	0,873885801	---
17547002	4,272391	4,511446	4,147798	4,074788	3,70497	4,568432	4,310545	4,116063333	-0,19448167	0,873886811	Rmi1
17465728	3,667563	3,705355	3,803391	3,422068	3,658594	3,512299	3,7254363	3,530987	-0,19444933	0,873906396	Gm13861
17304240	7,054312	7,21397	7,064435	6,76847	6,863846	7,117254	7,1109057	6,916523333	-0,19438233	0,873946982	Pde12
17387674	3,782326	3,461324	4,045917	3,578502	3,518299	3,609679	3,763189	3,568826667	-0,19436233	0,873959098	Olfr1061
17208829	6,359656	6,337661	6,445221	6,748106	5,999052	5,812459	6,380846	6,186539	-0,194307	0,873992618	---
17546355	3,602497	4,477646	4,063727	3,606956	4,353984	3,600312	4,0479567	3,853750667	-0,194206	0,874053807	Rbmy1a1
17384741	4,763904	4,84498	5,074766	4,63264	4,623455	4,84498	4,89455	4,700358333	-0,19419167	0,874062491	---
17327972	3,368395	3,419537	3,235021	3,083105	3,080415	3,276938	3,3409843	3,146819333	-0,194165	0,874078647	---
17525432	4,813571	4,670749	4,773185	4,736643	4,425517	4,512851	4,7525017	4,558337	-0,19416467	0,874078849	Gm17365
17425379	3,581736	3,896393	3,773019	3,584667	3,610968	3,473077	3,7503827	3,556237333	-0,19414533	0,874090562	Rps15a-ps8
17334666	5,417402	5,117416	5,565184	4,986077	5,325512	5,206051	5,3666673	5,172546667	-0,19412067	0,874105507	Tpsb2
17257848	7,591373	7,307712	7,741836	7,556118	7,19321	7,309531	7,5469737	7,352953	-0,19402067	0,874166098	LOC100503496
17320494	6,341043	6,120025	6,389673	6,033701	6,225163	6,009842	6,2835803	6,089568667	-0,19401167	0,874171551	Syce3
17350730	4,854997	4,680928	5,003849	4,694254	4,611523	4,651993	4,8465913	4,65259	-0,19400133	0,874177812	1700065I17Rik
17534982	4,881511	4,922796	4,696644	4,666137	4,585782	4,667127	4,8336503	4,639682	-0,19396833	0,874197809	Gpr112
17502525	6,910025	6,109726	6,238976	6,616271	5,892995	6,167562	6,4195757	6,225609333	-0,19396633	0,87419902	Mir28b
17202383	4,260075	3,884283	4,319853	4,235163	4,054355	3,592861	4,154737	3,960793	-0,193944	0,874212553	---
17264519	5,061419	4,751378	5,126247	4,783567	4,782285	4,791486	4,9796813	4,785779333	-0,193902	0,874238004	Hes7
17407354	7,23567	7,086728	7,038061	6,917225	6,887121	6,974415	7,120153	6,926253667	-0,19389933	0,87423962	S100a1
17330916	5,272229	5,541863	5,499166	5,37392	5,228662	5,129004	5,4377527	5,243862	-0,19389067	0,874244872	---
17221653	4,147887	4,471068	4,399443	4,362692	4,147887	3,926276	4,339466	4,145618333	-0,19384767	0,874270929	---
17235347	4,989069	4,574869	5,030309	4,761869	4,738605	4,51224	4,864749	4,670904667	-0,19384433	0,874272949	---
17259525	9,489046	9,907726	9,828506	9,418616	9,639569	9,585692	9,7417593	9,547959	-0,19380033	0,874299614	---
17225829	5,923487	5,986329	6,308827	5,976852	5,890835	5,769761	6,072881	5,879149333	-0,19373167	0,874341228	1700063A18Rik
17204061	5,771903	6,325605	5,875492	5,90372	5,754069	5,734203	5,991	5,797330667	-0,19366933	0,874379006	---
17353215	9,460501	9,436194	9,522338	9,176472	9,202165	9,459397	9,473011	9,279344667	-0,19366633	0,874380824	---
17215192	5,100039	4,960565	5,148762	5,096822	4,74478	4,786787	5,0697887	4,876129667	-0,193659	0,874385268	Chrnd
17359195	7,872308	7,79276	7,809639	7,648698	7,54567	7,699434	7,8249023	7,631267333	-0,193635	0,874399814	Tbc1d12
17254347	8,265985	8,370883	8,437	8,071092	8,252637	8,169315	8,357956	8,164348	-0,193608	0,874416179	Ddx52
17506692	4,850469	4,887804	5,2305	4,638001	4,953822	4,796213	4,989591	4,796012	-0,193579	0,874433756	---
17321474	6,49136	6,871222	6,401258	6,268951	6,510299	6,404065	6,5879467	6,394438333	-0,19350833	0,874476589	Tuba1a
17363058	3,713364	3,37441	3,815887	3,515232	3,44505	3,36286	3,6345537	3,441047333	-0,19350633	0,874477801	Olfr1424
17427401	6,642023	6,975677	6,857578	6,711459	6,515464	6,667847	6,8250927	6,63159	-0,19350267	0,874480024	Cyp2j9
17546974	3,657068	3,961271	3,365606	3,258634	3,510005	3,634925	3,661315	3,467854667	-0,19346033	0,874505684	Gm7066
17469939	7,237008	7,75744	7,196612	7,209037	7,263836	7,137849	7,39702	7,203574	-0,193446	0,874514373	Snora7a
17249700	7,756197	7,743837	7,674445	7,360425	7,663752	7,570031	7,7248263	7,531402667	-0,19342367	0,87452791	3230401D17Rik // 3230401D17Rik
17432781	6,621963	7,065428	7,226069	6,750059	6,795432	6,787703	6,9711533	6,777731333	-0,193422	0,874528921	Rps19-ps3
17236227	6,536247	6,696214	6,552001	6,543722	6,645862	6,0147	6,5948207	6,401428	-0,19339267	0,874546702	Nt5dc3
17314182	5,043778	4,627521	4,707027	4,800052	4,60623	4,391932	4,7927753	4,599404667	-0,19337067	0,874560038	---
17547732	5,151972	5,097513	4,881666	4,652064	4,932205	4,966777	5,043717	4,850348667	-0,19336833	0,874561453	Exoc2 // Exoc2
17361878	5,578724	5,209062	5,196807	5,069458	5,259389	5,075704	5,3281977	5,134850333	-0,19334733	0,874574183	Slc22a20
17219356	7,930846	8,71379	8,481782	8,526389	7,947046	8,072994	8,3754727	8,182143	-0,19332967	0,874584893	Tstd1
17363559	5,729017	5,841814	5,830184	5,558428	5,647818	5,61507	5,8003383	5,607105333	-0,193233	0,874643496	Fam189a2
17276375	4,171952	4,41923	4,347739	4,160562	4,127887	4,070836	4,3129737	4,119761667	-0,193212	0,874656227	1700086L19Rik
17547949	6,420805	6,352252	6,138385	6,120413	6,12375	6,08766	6,303814	6,110607667	-0,19320633	0,874659663	Gm10808
17549358	6,439628	6,818492	6,601999	6,350024	6,546522	6,384652	6,6200397	6,427066	-0,19297367	0,874800732	---
17549744	6,439628	6,818492	6,601999	6,350024	6,546522	6,384652	6,6200397	6,427066	-0,19297367	0,874800732	---
17218790	7,664141	7,823802	7,759032	7,588078	7,649278	7,430708	7,7489917	7,556021333	-0,19297033	0,874802754	Scyl3
17200247	6,247676	6,268964	6,155082	6,016158	5,654864	6,421824	6,2239073	6,030948667	-0,19295867	0,874809828	---
17473806	5,664285	5,788221	5,782745	5,475012	5,680237	5,501173	5,7450837	5,552140667	-0,192943	0,874819328	2310014L17Rik
17367310	4,856682	4,127551	4,700469	4,194065	4,656221	4,255647	4,5615673	4,368644333	-0,192923	0,874831455	BC061194
17285527	7,77822	7,406366	7,518496	7,471852	7,378739	7,273726	7,567694	7,374772333	-0,19292167	0,874832264	---
17358454	4,564886	4,344052	4,63752	4,256099	3,966363	4,745273	4,515486	4,322578333	-0,19290767	0,874840753	C030016D13Rik
17548338	3,511121	3,261157	3,27962	3,135449	3,040424	3,297915	3,3506327	3,157929333	-0,19270333	0,874964669	Tmeff1 // Tmeff1
17285761	3,72682	3,30068	3,200507	3,00421	3,368989	3,276739	3,4093357	3,216646	-0,19268967	0,874972957	Vmn1r198
17220759	8,826617	9,070626	8,354712	8,739854	8,59565	8,338462	8,7506517	8,557988667	-0,192663	0,87498913	---
17377069	4,850195	4,831165	4,729993	4,514899	4,659111	4,659667	4,8037843	4,611225667	-0,19255867	0,87505241	LOC171588
17250221	4,190331	4,411546	4,356052	4,106704	4,053263	4,220333	4,3193097	4,126766667	-0,192543	0,875061913	---
17538974	4,701216	4,827117	5,06496	4,682609	4,663465	4,669665	4,864431	4,671913	-0,192518	0,875077077	Usp51
17372896	3,782139	3,916979	3,955374	4,185232	3,403161	3,488569	3,8848307	3,692320667	-0,19251	0,875081929	Olfr1161
17401203	3,333866	2,945024	3,195191	2,865015	3,137878	2,893722	3,158027	2,965538333	-0,19248867	0,875094869	---
17340570	6,120819	5,709298	6,239576	5,910567	5,767292	5,814591	6,023231	5,830816667	-0,19241433	0,875139959	Gm2808
17369126	8,403737	8,508548	8,284129	8,247306	8,218412	8,153458	8,3988047	8,206392	-0,19241267	0,87514097	Lrrc8a
17414851	5,351039	4,881184	5,014688	4,991129	4,851213	4,827429	5,0823037	4,889923667	-0,19238	0,875160786	---
17337633	3,139687	3,180184	3,231114	2,988251	3,071052	2,91455	3,1836617	2,991284333	-0,19237733	0,875162403	Olfr135
17260912	4,658178	4,851788	4,739467	4,598126	4,594741	4,479446	4,749811	4,557437667	-0,19237333	0,87516483	---
17505689	8,362823	8,502779	8,504968	8,151549	8,289586	8,35235	8,4568567	8,264495	-0,19236167	0,875171907	Aars
17279986	4,097563	4,029364	3,685614	3,788274	3,62232	3,824869	3,9375137	3,745154333	-0,19235933	0,875173322	---
17444804	9,183757	9,602034	9,243166	9,064236	9,171722	9,21608	9,3429857	9,150679333	-0,19230633	0,875205474	LOC100505283 // Gm15682 // Gm10045
17526923	6,078525	6,016299	6,086774	5,90971	5,983065	5,711939	6,0605327	5,868238	-0,19229467	0,875212552	Hspb2
17439893	8,168496	8,111636	8,24427	8,012645	7,747647	8,187382	8,1748007	7,982558	-0,19224267	0,875244098	---
17265727	8,339353	8,126245	8,266766	8,063025	8,094147	7,99852	8,2441213	8,051897333	-0,192224	0,875255423	Tmem93
17463883	10,29618	10,3278	10,30685	10,00441	10,24141	10,10835	10,310277	10,11805667	-0,19222	0,875257849	Strap
17507218	5,674285	5,610491	5,681665	5,281198	5,649081	5,459539	5,6554803	5,463272667	-0,19220767	0,875265332	---
17528932	4,414608	3,961053	3,805673	3,964748	3,893063	3,747085	4,0604447	3,868298667	-0,192146	0,875302745	---
17309264	4,55612	4,440615	4,68362	4,434822	4,300303	4,368917	4,5601183	4,368014	-0,19210433	0,875328025	4921525B02Rik
17355730	3,074052	3,067845	3,013081	3,050447	2,745835	2,782396	3,0516593	2,859559333	-0,1921	0,875330654	---
17466729	7,296786	7,06523	7,323606	6,916029	7,245953	6,947647	7,2285407	7,036543	-0,19199767	0,875392746	4921507P07Rik
17421462	5,669762	5,889089	5,255702	5,619144	5,276218	5,343208	5,604851	5,412856667	-0,19199433	0,875394768	LOC100861620 // Gm13235
17462778	6,177631	5,795186	6,349164	6,189222	5,886066	5,670829	6,107327	5,915372333	-0,19195467	0,875418837	Clec4b2
17377723	4,940295	4,833662	4,963172	4,887176	4,52291	4,751332	4,9123763	4,720472667	-0,19190367	0,875449784	Defb20
17317634	4,382714	4,16042	4,505203	4,191019	4,188718	4,092891	4,3494457	4,157542667	-0,191903	0,875450189	---
17201535	4,529222	4,590586	4,994037	4,391194	4,539906	4,607042	4,704615	4,512714	-0,191901	0,875451402	---
17365243	8,913616	8,662773	8,823824	8,815618	8,487768	8,52115	8,800071	8,608178667	-0,19189233	0,875456662	Npm3
17550773	3,120243	3,173329	3,094773	3,005266	2,946402	2,86118	3,1294483	2,937616	-0,19183233	0,875493072	---
17474292	4,255408	4,127723	4,10507	3,772483	4,091821	4,048509	4,1627337	3,970937667	-0,191796	0,875515121	Ceacam14
17219456	7,486675	7,667858	7,392504	6,577758	7,62465	7,769431	7,515679	7,323946333	-0,19173267	0,875553556	---
17225171	5,626441	5,910809	5,658157	5,555324	5,547563	5,517364	5,7318023	5,540083667	-0,19171867	0,875562052	---
17467543	4,544658	4,088153	4,509105	4,149642	4,132366	4,284775	4,3806387	4,188927667	-0,191711	0,875566705	Igkv8-19 // Igkv8-19

17203181	5,766938	5,691006	5,585142	5,603811	5,70667	5,157556	5,6810287	5,489345667	-0,191683	0,875583699	---
17543625	6,224382	6,008747	6,196779	5,881398	5,893735	6,079906	6,1433027	5,951679667	-0,191623	0,875620114	Cxcr3
17222094	4,11527	4,072567	4,181873	3,874243	4,207105	3,713506	4,1232367	3,931618	-0,19161867	0,875622744	AA619741
17280420	3,40247	3,460414	3,41665	3,372119	3,137741	3,194824	3,4265113	3,234894667	-0,19161667	0,875623958	---
17279833	7,37712	7,267248	7,782542	7,214108	7,493834	7,14424	7,4756367	7,284060667	-0,191576	0,87564864	---
17444055	5,363087	5,196409	4,831857	4,990196	4,764038	5,062422	5,130451	4,938885333	-0,19156567	0,875654912	---
17388033	4,017752	3,153395	3,723337	3,751412	3,331788	3,236967	3,6314947	3,440055667	-0,191439	0,875731797	Olfr142
17246345	7,132019	7,487687	7,270259	6,899167	7,062707	7,353817	7,296655	7,105230333	-0,19142467	0,875740497	Dnajc14
17297627	8,228871	8,17412	8,265874	7,944006	8,156998	7,993599	8,222955	8,031534333	-0,19142067	0,875742925	Samd8
17229059	4,483359	4,594127	4,392069	4,552051	3,87372	4,469714	4,4898517	4,298495	-0,19135667	0,875781775	Fmo3
17206537	3,039947	4,040911	3,470654	2,998483	3,478693	3,500296	3,5171707	3,325824	-0,19134667	0,875787846	---
17232189	4,220344	4,105563	3,943354	4,014762	3,941681	3,738816	4,0897537	3,898419667	-0,191334	0,875795535	Taar7d
17383825	6,781455	6,821478	6,790361	6,328852	6,725947	6,764528	6,7977647	6,606442333	-0,19132233	0,875802617	Fam78a
17291204	6,753962	6,614676	6,851275	6,475229	6,433529	6,737229	6,739971	6,548662333	-0,19130867	0,875810914	Hist1h2ac
17277287	5,35256	5,077442	5,338126	4,999257	5,198668	4,99632	5,2560427	5,064748333	-0,19129433	0,875819615	Vrtn
17352824	6,071534	6,135949	5,955774	5,98908	5,658958	5,94135	6,054419	5,863129333	-0,19128967	0,875822448	Zfp521
17483233	4,456742	4,467774	4,770976	4,372335	4,308256	4,441036	4,565164	4,373875667	-0,19128833	0,875823258	---
17375866	4,893167	5,174882	4,946156	4,761883	4,925397	4,753161	5,004735	4,813480333	-0,19125467	0,875843696	Astl
17209525	5,355633	4,845362	6,201153	5,509042	5,142236	5,177107	5,4673827	5,276128333	-0,19125433	0,875843899	---
17313799	6,891333	6,60699	6,895267	6,615727	6,589996	6,614178	6,7978633	6,606633667	-0,19122967	0,875858874	Gm10923
17333050	7,094497	7,218233	7,131339	6,729759	7,001343	7,139609	7,148023	6,956903667	-0,19111933	0,875925859	Fgfr1op
17504712	4,793643	5,094896	4,917348	4,74148	4,644704	4,8465	4,9352957	4,744228	-0,19106767	0,875957229	Exoc3l // Exoc3l
17501484	4,879338	4,920348	5,061926	4,570718	4,831468	4,886271	4,9538707	4,762819	-0,19105167	0,875966944	Spock3
17393032	5,172103	5,191338	5,85008	5,343812	5,086203	5,210384	5,404507	5,213466333	-0,19104067	0,875973623	Tspyl3
17201461	3,057006	3,344082	2,808009	2,941849	2,587796	3,106412	3,069699	2,878685667	-0,19101333	0,875990219	---
17260469	3,429817	3,597267	3,626446	3,445301	3,281248	3,353961	3,5511767	3,36017	-0,19100667	0,875994267	Gm11985
17260192	5,595575	5,609612	5,511694	5,388213	5,33219	5,423528	5,5722937	5,383110333	-0,19098333	0,876008435	Pgam2
17344658	3,697928	3,702304	3,834343	3,398439	3,714012	3,549255	3,7448583	3,553902	-0,19095633	0,87602483	Gm8909
17221193	7,864847	8,11323	7,910149	7,935077	7,73135	7,648944	7,962742	7,771790333	-0,19095167	0,876027663	---
17324439	3,081573	3,185862	3,242757	3,057326	2,852686	3,027378	3,170064	2,97913	-0,190934	0,876038391	---
17548510	4,720111	4,2953	4,565179	4,2981	4,302135	4,407592	4,5268633	4,335942333	-0,190921	0,876046285	---
17471990	4,918827	4,679317	5,020571	4,668058	4,645232	4,732763	4,872905	4,682017667	-0,19088733	0,876066728	---
17551131	6,789164	7,102051	7,130697	6,727039	6,939023	6,783422	7,007304	6,816494667	-0,19080933	0,876114095	---
17466878	4,443003	4,592734	4,754478	4,318761	4,590442	4,308971	4,5967383	4,406058	-0,19068033	0,876192437	Hoxa10
17405352	5,442864	5,164389	5,239332	5,076838	5,146119	5,05159	5,282195	5,091515667	-0,19067933	0,876193044	---
17338434	8,197459	8,313968	7,959062	7,85673	8,039164	8,002794	8,1568297	7,966229333	-0,19060033	0,876241025	AI314976
17537630	4,486987	4,523026	4,576134	4,417095	4,337607	4,259672	4,5287157	4,338124667	-0,190591	0,876246693	Cstf2
17203831	3,105647	3,315033	3,56083	3,189692	3,030359	3,189692	3,32717	3,136581	-0,190589	0,876247908	---
17496338	7,300565	7,092041	7,310654	7,124488	6,938633	7,068556	7,23442	7,043892333	-0,19052767	0,876285161	Il27
17463587	3,043026	2,795071	2,871754	2,934967	2,602407	2,601068	2,9032837	2,712814	-0,19046967	0,87632039	---
17460569	10,58171	10,43061	10,48031	10,23175	10,42546	10,26404	10,497543	10,30708333	-0,19046	0,876326262	Gp9
17333707	4,639909	4,519595	4,363312	4,358595	4,255844	4,337113	4,5076053	4,317184	-0,19042133	0,876349749	Mirlet7e
17209619	5,097753	4,189613	5,050464	5,148898	4,325193	4,292483	4,7792767	4,588858	-0,19041867	0,876351369	---
17274949	8,970551	9,115505	9,084208	8,696423	8,932279	8,970313	9,0567547	8,866338333	-0,19041633	0,876352787	Twistnb
17458932	2,887103	2,984701	3,129214	2,76476	2,842227	2,822851	3,0003393	2,809946	-0,19039333	0,876366758	Vmn1r6
17205195	3,683431	3,117991	3,674552	3,617414	2,984373	3,30304	3,4919913	3,301609	-0,19038233	0,87637344	---
17209385	3,683431	3,117991	3,674552	3,617414	2,984373	3,30304	3,4919913	3,301609	-0,19038233	0,87637344	---
17417821	5,808645	5,010942	5,236094	5,488615	4,867324	5,128597	5,3518937	5,161512	-0,19038167	0,876373845	Olfr1331
17525503	8,107342	8,091614	7,961401	7,788116	7,860595	7,94057	8,0534523	7,863093667	-0,19035867	0,876387817	Chek1
17341350	4,645306	4,245184	4,770315	4,620284	4,431671	4,0378	4,5536017	4,363251667	-0,19035	0,876393081	Vmn1r232
17298112	4,998135	4,824996	5,052949	4,817108	4,608865	4,879066	4,9586933	4,768346333	-0,190347	0,876394904	Wnt5a
17439786	5,28339	5,333737	5,440142	4,96881	5,263935	5,253601	5,352423	5,162115333	-0,19030767	0,876418798	A830049A06
17253258	5,862417	5,807849	5,863353	5,739954	5,727282	5,495475	5,8445397	5,654237	-0,19030267	0,876421835	Coro6
17481217	3,870918	4,047453	4,196462	4,035952	3,624184	3,883911	4,0382777	3,848015667	-0,190262	0,87644654	Olfr618
17547692	4,111977	3,432445	3,509285	3,386313	3,580628	3,515996	3,684569	3,494312333	-0,19025667	0,87644978	Gm20245
17330625	5,947797	5,642823	5,974399	5,736602	5,867505	5,39015	5,8550063	5,664752333	-0,190254	0,8764514	Cd200
17318179	5,880012	5,770424	5,97885	5,649142	5,521084	5,888317	5,8764287	5,686181	-0,19024767	0,876455248	Gm19570
17248127	6,482904	6,336945	7,130564	6,43101	6,73663	6,212065	6,6501377	6,459901667	-0,19024767	0,876462335	---
17350925	11,14268	12,14334	10,9787	11,4492	11,18139	11,06343	11,421573	11,23134	-0,19023333	0,876463956	Iigp1
17285793	3,316151	3,277279	3,138055	3,094084	2,99784	3,068915	3,2438283	3,053613	-0,19021533	0,876474891	Vmn1r216
17240725	3,269554	3,165121	3,61379	3,143937	3,14829	3,185675	3,3494883	3,159300667	-0,19018767	0,876491699	---
17228792	7,174928	7,753919	7,18341	6,836751	7,245628	7,45961	7,3707523	7,180663	-0,19008933	0,876551443	---
17533533	3,610079	3,568838	3,347416	3,34321	3,243232	3,369732	3,5087777	3,318724667	-0,190053	0,876573518	---
17496901	8,631195	8,703131	8,603247	8,53867	8,376444	8,452313	8,6458577	8,455809	-0,19004867	0,876576151	Tial1
17542068	3,578434	3,237079	3,308962	3,130298	3,249684	3,174757	3,374825	3,184913	-0,189912	0,876659193	Mir883a
17337098	7,203681	7,406666	6,888308	7,047179	6,801768	7,080067	7,1662183	6,976338	-0,19088033	0,876678436	---
17426397	4,021727	3,786888	3,823642	3,624439	3,595804	3,842443	3,877419	3,687562	-0,189857	0,876692615	---
17533743	5,435662	5,222947	5,237295	5,503294	5,180266	4,642781	5,2986347	5,108780333	-0,19085433	0,876694235	Gm5124
17314575	5,901108	5,381975	5,951485	5,480387	5,610961	5,573665	5,744856	5,555004333	-0,19085167	0,876695856	---
17204129	5,879735	6,636219	5,677927	5,74582	6,307432	5,571098	6,064627	5,874783333	-0,19084367	0,876700717	---
17523847	3,78714	3,691147	4,04141	3,753312	3,450035	3,746938	3,839899	3,650095	-0,189804	0,876724822	Mmp7
17473856	8,695984	8,963228	8,849847	8,673101	8,591129	8,675447	8,836353	8,646559	-0,189794	0,876730899	Lig1
17530579	5,24583	5,226051	5,313587	5,002349	5,042371	5,171369	5,2618227	5,072029667	-0,189793	0,876731507	Col6a4
17216556	3,877661	3,419065	3,415313	3,379407	3,536768	3,226618	3,5706797	3,380931	-0,18974867	0,876758449	Gm7145 // Gm7145
17289584	7,365569	7,503826	7,418594	7,026741	7,321329	7,370675	7,4293297	7,239581667	-0,189748	0,876758854	Cenpk
17317205	8,527796	8,911005	8,797856	8,743258	8,625921	8,298374	8,7455523	8,555851	-0,18970133	0,876787215	---
17202813	3,788362	4,554284	4,154463	4,239576	3,925286	3,763278	4,165703	3,976046667	-0,18965633	0,876814564	---
17312139	6,843167	6,548234	6,679071	6,494089	6,42834	6,579109	6,6901573	6,500512667	-0,18964467	0,876821654	---
17549476	4,539319	4,781071	4,799706	4,420639	4,340045	4,790699	4,7066987	4,517127667	-0,189571	0,876866428	---
17549620	4,539319	4,781071	4,799706	4,420639	4,340045	4,790699	4,7066987	4,517127667	-0,189571	0,876866428	---
17391427	3,270892	3,189692	4,067469	2,873788	4,112525	2,973156	3,509351	3,319823	-0,189528	0,876892563	---
17286958	4,994687	4,806079	4,778152	4,701138	4,587248	4,721953	4,8596393	4,670113	-0,18952633	0,876893576	Hspb1 // Hspb1
17292069	5,282985	5,549222	5,553371	5,282431	5,471648	5,062987	5,4618593	5,272355333	-0,189504	0,876907151	BC024659 // BC024659
17520233	10,80003	10,70094	10,67395	10,5064	10,54437	10,55564	10,724973	10,53547	-0,18950333	0,876907556	Ctsh
17537336	5,93697	6,305515	6,155937	6,012512	5,886464	5,931035	6,1328073	5,943337	-0,18947033	0,876927615	---
17207935	4,874523	5,936907	4,285659	5,166499	5,107584	4,254705	5,032363	4,842929333	-0,18943367	0,876949903	---
17208655	5,901437	5,170101	5,561155	5,139872	5,407343	5,517185	5,544231	5,3548	-0,189431	0,876951523	---
17204897	5,983222	6,597636	5,40211	5,740763	5,237923	6,43617	5,9943227	5,804952	-0,18937067	0,876988198	---
17336082	4,73801	4,372883	4,485716	4,119958	4,621767	4,287002	4,532203	4,342909	-0,189294	0,877034804	Actl9
17475870	5,878538	6,139054	5,997268	5,687427	5,817963	5,941634	6,0049533	5,815674667	-0,18927867	0,877044125	Sycn
17265524	5,405889	5,13937	5,211144	5,040476	4,942732	5,205522	5,2521343	5,06291	-0,18922433	0,877077156	---
17405789	9,95014	9,85393	9,739307	9,505614	9,681354	9,788758	9,8477923	9,658575333	-0,189217	0,877081614	Trim59
17380659	5,368071	4,908756	5,446761	5,190712	5,16238	4,802905	5,241196	5,051999	-0,189197	0,877093773	Cdh4
17406066	8,303793	8,413644	8,362748	8,164576	8,069755	8,278296	8,3600617	8,170875667	-0,189186	0,877100461	Fnip2
17255002	4,958768	4,980956	4,780911	4,637977	4,971924	4,543271	4,9068783	4,717724	-0,18915433	0,877119713	4930405P13Rik
17445357	3,831453	3,428413	3,322897	3,349104	3,345976	3,32026	3,5275877	3,338446667	-0,189141	0,87712782	---
17270388	6,021432	5,733491	6,163735	5,693652	6,029622	5,628058	5,972886	5,783777333	-0,18910867	0,877147478	C1ql1
17275306	4,271142	4,553943	4,347485	4,121968	4,25643	4,226952	4,3908567	4,201783333	-0,18907333	0,87716896	Foxg1
17219067	8,441583	8,351682	8,324735	8,16299	8,191377	8,196581	8,3726667	8,183649333	-0,18901733	0,877203009	Tada1
17204623	6,206268	6,194208	6,150742	6,352198	5,807576	5,82442	6,1837393	5,994731333	-0,189008	0,877208684	---
17226597	4,35788	4,509153	4,77073	4,560733	4,05221	4,457815	4,545921	4,356919333	-0,18900167	0,877212535	---
17242703	6,117867	6,395489	6,319386	6,137232	6,179229	5,949312	6,2775807	6,088591	-0,18898967	0,877219832	E130317F20Rik
17207151	4,443044	4,275269	4,882106	3,986474	4,503524	4,543458	4,533473	4,344485333	-0,18898767	0,877221048	---
17345977	7,920737	8,133332	7,997303	7,807219	7,843638	7,833735	8,017124	7,828197333	-0,18892667	0,877258139	Sgol1
17477968	6,080608	5,873454	6,009176	5,666664	5,857973	5,871845	5,987746	5,798827333	-0,18891867	0,877263004	Car11
17329840	3,327933	3,222045	3,260287	3,151432	3,035763	3,056317	3,2700883	3,081170667	-0,18891767	0,877263612	---
17479252	3,255605	3,449817	2,942633	3,457944	2,731252	2,892271	3,2160183	3,027155667	-0,18886267	0,877297057	---
17352399	3,675822	4,209154	3,908352	3,762175	3,720927	3,743648	3,9311093	3,74225	-0,18885933	0,877299084	---
17311199	8,813762	8,801994	8,734618	8,5407	8,665769	8,577335	8,783458	8,594601333	-0,18885667	0,877300705	Dcaf13
17531529	3,566182	3,152251	2,95263	3,050725	3,089486	2,964329	3,2236877	3,034846667	-0,188841	0,87731023	---
17200025	5,908386	5,840887	6,783504	6,415818	5,698508	5,851954	6,1775923	5,98876	-0,18883233	0,877315502	---
17363148	3,73448	4,240104	4,376414	4,263869	3,202615	4,318088	4,1169993	3,928190667	-0,18880867	0,877329894	---
17258455	4,222936	4,371026	4,440019	4,007203	4,360742	4,099669	4,3446603	4,155871333	-0,188789	0,877341854	---
17319661	5,022828	5,048846	5,216213	4,842131	5,018598	4,860794	5,0959623	4,907174333	-0,188788	0,877342462	Cyp2d34
17423699	3,776447	4,117866	3,657066	3,639107	3,801104	3,544876	3,8504597	3,661695667	-0,188764	0,877357057	---
17288467	9,238379	9,292456	9,435277	9,010073	9,186172	9,203655	9,3220373	9,1333	-0,18873733	0,877373275	Lpcat1
17460357	5,391563	5,316272	4,886351	5,036592	4,883929	5,107459	5,198062	5,009326667	-0,18873533	0,877374491	Gm19265
17238681	3,388395	3,280507	4,01398	3,007333	3,809079	3,300304	3,5609607	3,372238667	-0,188722	0,8773826	Olfr799
17309041	5,899536	5,845741	5,841717	5,688369	5,825716	5,506833	5,8623313	5,673639333	-0,188692	0,877400844	Dach1
17207443	7,121353	6,812738	7,410252	6,938324	6,606564	7,233468	7,114781	6,926118667	-0,18866233	0,877418887	---
17356427	4,825355	4,715847	4,87951	4,518317	4,671408	4,665001	4,806904	4,618242	-0,188662	0,87741909	Ccdc85b // Ccdc85b
17477785	4,163599	3,883628	4,277287	3,764568	4,19174	3,802222	4,1081713	3,91951	-0,18866133	0,877419495	Mtag2
17376538	5,709815	5,305405	5,38	5,592733	5,249407	4,987251	5,4650733	5,276463667	-0,18860967	0,877450918	---
17473631	4,601495	4,605304	4,216574	4,260475	4,199255	4,397917	4,4744577	4,285882333	-0,18857533	0,8774718	Olfr1346
17508885	5,490858	5,714571	5,267755	5,115194	5,266731	5,525566	5,4910613	5,302497	-0,18856433	0,877478491	Mtmr7
17209657	4,83765	4,3504	5,290158	4,871142	4,351968	4,689509	4,8260693	4,637539667	-0,18852967	0,877499576	---
17202333	5,620741	5,385118	6,3821	5,768137	5,456644	5,597608	5,7959863	5,607463	-0,18852333	0,877503428	---
17248476	9,60111	9,668459	9,548799	9,438546	9,340147	9,474197	9,6061227	9,41763	-0,18849267	0,877522081	Pank3
17317472	3,642961	3,648412	3,764323	3,429468	3,498014	3,562871	3,685232	3,496784333	-0,18844767	0,877549453	Gsdmc4
17545379	5,80659	5,323074	5,179849	5,35538	5,196792	5,192051	5,4365043	5,248074333	-0,18843	0,877560199	---
17294477	8,589489	8,54261	8,427539	8,215715	8,367815	8,410869	8,5198793	8,331466333	-0,188413	0,87757054	Rfesd
17414159	3,548347	3,519547	3,741257	3,434562	3,54231	3,267089	3,6030503	3,414653667	-0,18839667	0,877580475	Olfr270
17269358	4,558673	4,312956	5,473763	4,684218	4,777178	4,31885	4,7817973	4,593415333	-0,188382	0,877589397	Krt15
17211529	2,939525	3,020309	2,9252	2,754444	2,815713	2,749743	2,961678	2,7733	-0,188378	0,87759183	---

17343176	6,262028	6,060098	6,369186	5,990895	5,937982	6,19736	6,2304373	6,042079	-0,18835833	0,877603793	Tff1	
17334674	5,071858	5,074643	5,056226	4,823084	5,041712	4,772968	5,0675757	4,879254667	-0,188321	0,877626504	Tpsg1	
17387824	5,387359	5,367501	5,560557	5,350998	5,139827	5,259702	5,4384723	5,250175667	-0,18829667	0,877641306	---	
17512990	6,876754	6,921078	6,52592	6,474973	6,607887	6,676038	6,774584	6,586299333	-0,18828467	0,877648607	Ddx19b	
17259524	8,569938	8,61049	8,53795	8,338462	8,357648	8,45747	8,5727927	8,384526667	-0,188266	0,877659962	---	
17225110	4,572618	5,205462	4,733323	4,909827	4,826182	4,210647	4,8371343	4,648885333	-0,188249	0,877670304	---	
17463642	3,957208	3,536692	3,449661	3,369337	3,581333	3,42822	3,6478537	3,45963	-0,18822367	0,877685716	Tas2r113	
17277754	4,576264	3,804736	3,867338	4,324358	3,823916	3,535394	4,0827793	3,894556	-0,18822333	0,877685919	---	
17548709	3,591457	3,508337	3,187912	3,130254	3,40238	3,190405	3,4292353	3,241013	-0,18822233	0,877686527	LOC100862152	
17467302	5,350195	4,984009	6,086945	5,250499	5,403666	5,202364	5,4737163	5,285509667	-0,18820667	0,877696058	Vmn1r36	
17385363	5,68987	5,736159	5,534205	5,437324	5,323401	5,634997	5,6534113	5,465240667	-0,18817067	0,87771796	---	
17210779	4,301729	4,056282	3,778328	4,550587	3,734999	3,28625	4,0454463	3,857278667	-0,18816767	0,877719785	---	
17531563	6,371716	6,444013	6,527605	6,307211	6,117167	6,354502	6,447778	6,259626667	-0,18815133	0,877729722	Klhl18	
17366740	8,073533	7,876034	7,815963	8,226315	7,191343	7,783421	7,9218433	7,733693	-0,18815033	0,877730331	Mir467c // Mir467c	
17411626	3,773604	3,367502	3,49898	3,511504	3,210039	3,354103	3,5466953	3,358548667	-0,18814667	0,877732561	8430436N08Rik	
17216278	4,266739	4,260322	4,374712	4,038957	4,160371	4,138051	4,300591	4,112459667	-0,18813133	0,87774189	---	
17386117	4,74832	4,707715	4,563307	4,514067	4,473504	4,467591	4,673114	4,485054	-0,18806	0,877785291	---	
17549550	4,382486	4,603959	4,716663	4,127703	4,359186	4,652061	4,5677027	4,37965	-0,18805267	0,877789753	---	
17549708	4,382486	4,603959	4,716663	4,127703	4,359186	4,652061	4,5677027	4,37965	-0,18805267	0,877789753	---	
17220757	8,749943	8,688326	8,982105	8,512497	8,683656	8,660073	8,8067913	8,618742	-0,18804933	0,877791781	---	
17404509	3,925554	3,889016	3,729373	3,737273	3,798037	3,444491	3,847981	3,659933667	-0,18804733	0,877792998	---	
17269381	5,621314	5,582909	5,342506	5,036285	5,477314	5,469185	5,5155763	5,327594667	-0,18798167	0,877832953	Krt9	
17342617	5,422711	5,737709	5,563844	5,645989	5,303934	5,210446	5,5747547	5,386789667	-0,187965	0,877843094	Arhgdig	
17360240	5,583673	5,362022	5,480551	5,202602	5,465644	5,194152	5,4754153	5,287466	-0,18794933	0,877852627	Ccdc147	
17459897	9,439641	9,46116	9,012544	9,118644	8,940973	9,290124	9,3044483	9,116580333	-0,187868	0,877902118	---	
17449578	5,471632	5,712492	5,468867	5,425465	5,282301	5,3818	5,550997	5,363188667	-0,18780833	0,877938427	Gm19619	
17200471	6,693726	6,799682	7,040709	6,812096	6,64347	6,515152	6,8447057	6,656906	-0,18779967	0,877943701	---	
17503431	8,916623	9,019709	8,944188	8,695869	8,772001	8,849483	8,9601733	8,772451	-0,18772233	0,877990763	Orc6	
17358544	7,633153	8,571203	7,440524	7,83673	7,479234	7,765831	7,8816267	7,693931667	-0,187695	0,878007397	Cd274	
17265821	4,742841	4,640846	4,875154	4,600796	4,563448	4,531683	4,752947	4,565309	-0,187638	0,878042088	Olfr411	
17205093	5,027137	4,382917	4,796997	4,680308	4,063892	4,900036	4,7356837	4,548078667	-0,187605	0,878062172	---	
17209283	5,027137	4,382917	4,796997	4,680308	4,063892	4,900036	4,7356837	4,548078667	-0,187605	0,878062172	---	
17270315	4,704348	4,595894	4,943107	4,743145	4,57579	4,361625	4,747783	4,560186667	-0,18759633	0,878067447	Gjc1	
17388435	8,187725	8,096786	8,04452	8,069927	7,725616	7,970766	8,109677	7,922103	-0,187574	0,87808104	Tspan18	
17420437	9,878298	10,06416	9,546792	9,417624	9,701579	9,807511	9,82975	9,642238	-0,187512	0,878118776	---	
17482826	3,836612	3,913248	4,332077	3,943021	3,598601	3,977967	4,0273123	3,839863	-0,18744933	0,87815692	---	
17331168	7,26577	7,290284	7,270729	7,079198	7,047095	7,138425	7,2755943	7,088239333	-0,187355	0,878214342	---	
17356517	5,606438	5,567698	5,893509	5,372054	5,43231	5,701218	5,689215	5,501860667	-0,18735433	0,878214748	Kcnk7	
17547819	5,275058	5,685565	5,242597	5,318021	5,244639	5,078591	5,4010733	5,213750333	-0,187323	0,878233821	9430077A04Rik	
17548896	3,525041	3,878659	3,873628	3,710898	3,605234	3,399375	3,7591093	3,571835667	-0,18727367	0,878263853	Gm10568	
17542486	4,831235	4,707988	4,342601	4,700999	4,424554	4,194454	4,6272747	4,440002333	-0,18727233	0,878264665	Naa10	
17533474	7,98096	7,782316	7,826012	7,498957	7,932619	7,596184	7,863096	7,67592	-0,187176	0,878323312	Maoa	
17528778	6,414982	6,496516	6,396096	6,252645	6,305258	6,188274	6,4358647	6,248725667	-0,187139	0,878345838	Ccpg1	
17467456	8,234985	7,495579	7,79338	7,73296	7,763789	7,465944	7,8413147	7,654231	-0,18708367	0,878379527	---	
17300036	4,300811	4,689229	4,729279	4,638421	4,184639	4,335029	4,5731063	4,386029667	-0,18707667	0,878383789	---	
17467171	7,656356	7,641263	7,685452	7,509933	7,352088	7,55983	7,6610237	7,473950333	-0,18707333	0,878385818	Vopp1	
17517218	4,10385	3,689348	4,073476	3,739586	3,879519	3,686401	3,955558	3,768502	-0,187056	0,878396372	---	
17207171	3,640183	3,868843	4,494563	3,863861	3,853844	3,724802	4,0011963	3,814169	-0,18702733	0,878413826	---	
17285641	3,509718	3,608896	3,884953	3,5888	3,395396	3,45832	3,6678557	3,480838667	-0,187017	0,878420117	Olfr1367	
17318058	4,687629	4,801978	4,974484	4,414072	4,904565	4,584468	4,8213637	4,634368333	-0,18699533	0,87843331	Cyp11b2	
17340356	5,780914	5,223408	5,568192	5,513238	5,394094	5,104264	5,5241713	5,337198667	-0,18697267	0,878447111	Ston1	
17524206	9,855138	10,08609	9,924644	9,812481	9,641216	9,851327	9,9552907	9,768341333	-0,18694933	0,878461319	---	
17454816	5,187968	5,170781	5,462195	5,001266	5,0401	5,218794	5,273648	5,08672	-0,186928	0,878474309	Zfp316	
17205023	5,384389	4,600078	5,320035	5,722898	4,527081	4,493779	5,1015007	4,914586	-0,18691467	0,878482428	---	
17209213	5,384389	4,600078	5,320035	5,722898	4,527081	4,493779	5,1015007	4,914586	-0,18691467	0,878482428	---	
17549904	7,094418	6,478768	6,728998	6,513415	6,67212	6,555915	6,7673947	6,580483333	-0,18691133	0,878484457	---	
17296317	4,627271	4,580487	4,493021	4,40179	4,319145	4,419131	4,5669263	4,380022	-0,18690433	0,87848872	Hspb3	
17396097	3,731432	3,887463	3,634371	3,762751	3,530221	3,399591	3,7510887	3,564187667	-0,186901	0,87849075	Slc7a12	
17221520	4,170467	3,790495	3,543386	3,755827	3,678565	3,509314	3,8347827	3,647902	-0,18688067	0,878503131	Crisp4	
17394535	5,169077	4,327408	4,709777	4,523928	4,547565	4,57414	4,7354207	4,548544333	-0,18687633	0,87850577	---	
17233351	4,709217	4,617192	4,779797	4,572045	4,656588	4,3171	4,7020687	4,515244333	-0,18682433	0,878537435	---	
17209487	5,07835	4,189047	4,105118	4,31903	4,291542	4,201488	4,457505	4,270686667	-0,18681833	0,878541089	---	
17438113	4,460416	4,411644	4,632771	4,372464	4,263868	4,308206	4,5016103	4,314846	-0,18676433	0,878573973	Cwh43	
17489903	3,52296	3,431803	3,50566	3,039755	3,476914	3,383585	3,4868077	3,300084667	-0,186723	0,878599145	---	
17414184	4,610199	4,765093	4,716484	4,440054	4,54852	4,543043	4,6972587	4,510539	-0,18671967	0,878601175	4930522O17Rik	
17445705	5,93952	5,790246	6,15024	5,654806	6,028936	5,636115	5,960002	5,773285667	-0,18671633	0,878603205	Gm3510	
17385964	4,019029	3,716224	3,995109	3,559362	3,850948	3,759995	3,9101207	3,723435	-0,18668567	0,878621881	---	
17208775	4,233572	4,535392	4,52324	4,347613	3,990057	4,394534	4,4307347	4,244068	-0,18666667	0,878633452	---	
17549568	5,477135	5,491213	5,654227	5,476502	5,254547	5,331556	5,5408583	5,354201667	-0,18665667	0,878639542	---	
17549722	5,477135	5,491213	5,654227	5,476502	5,254547	5,331556	5,5408583	5,354201667	-0,18665667	0,878639542	---	
17330861	5,026711	4,775873	5,053432	4,351768	4,720794	5,223514	4,9520053	4,765358667	-0,18664667	0,878645633	---	
17519349	6,723852	6,790843	6,982279	6,726301	6,681516	6,529359	6,8323247	6,645725333	-0,18659933	0,878674461	Gm16551	
17375641	9,104366	8,994888	8,926053	8,79706	8,746646	8,921818	9,0084357	8,821841333	-0,18659433	0,878677506	Dut	
17402662	6,870899	6,562208	6,44822	6,264432	6,451989	6,605238	6,627109	6,440553	-0,186556	0,878700853	Lef1	
17243509	8,695634	8,638301	8,763385	8,526065	8,510259	8,501336	8,6991067	8,512553333	-0,18655333	0,878702477	Nfyb	
17207261	6,569649	6,620524	7,08176	6,695471	6,836625	6,180208	6,757311	6,570768	-0,186543	0,878708771	---	
17420443	9,181207	9,068613	8,476498	8,850776	8,785796	8,530166	8,9087727	8,722246	-0,18652667	0,878718719	---	
17316775	4,338303	4,243138	4,215628	4,090731	4,29047	3,85637	4,2656897	4,079190333	-0,18649933	0,878735368	Abra	
17385028	3,305083	2,90559	3,197071	3,109302	2,873595	2,865404	3,1359147	2,949433667	-0,186481	0,878746535	---	
17308145	5,204911	5,053551	5,389483	4,97124	4,927406	5,190136	5,2159817	5,029594	-0,18638767	0,878803386	Synb	
17531370	4,216861	4,089667	3,777981	4,054889	3,631089	3,839424	4,0281697	3,841800667	-0,186369	0,878814757	Fbxw16	
17417898	6,349295	6,104962	6,049324	6,022951	6,035795	5,885775	6,1678603	5,981507	-0,18635333	0,8788243	Cldn19	
17440717	4,828997	4,640357	5,195149	4,254521	4,755764	5,095161	4,8881677	4,701815333	-0,18635233	0,878824909	---	
17515035	7,519169	7,470193	7,391547	7,532825	7,210551	7,078625	7,460303	7,274000333	-0,18630267	0,878855164	A230050P20Rik	
17240100	6,944723	7,170753	7,173834	7,108262	6,712745	6,90946	7,0964367	6,910155667	-0,186281	0,878868363	Rnf217	
17421103	5,291892	5,512465	5,368033	5,220335	5,166145	5,227086	5,3907967	5,204522	-0,18627467	0,878872221	B330016D10Rik	
17420014	4,803183	4,835312	5,237461	4,818967	4,772594	4,725684	4,958652	4,772415	-0,186237	0,878895168	---	
17210495	5,427022	5,723642	4,602287	5,083869	5,13176	4,978617	5,2509837	5,064748667	-0,186235	0,878896386	---	
17371289	4,232311	4,11454	4,136179	4,128784	4,157327	3,638368	4,16101	3,974826333	-0,18618367	0,878927659	---	
17517588	3,7588	3,823976	4,016602	3,671794	3,879587	3,48956	3,8664593	3,680313667	-0,18614567	0,87895081	---	
17363098	5,728445	5,788668	5,799592	5,845542	5,348377	5,564358	5,772235	5,586092333	-0,18614267	0,878952638	A330040F15Rik	
17205685	6,74674	6,538963	6,448161	6,723606	6,082611	6,369234	6,5779547	6,391817	-0,18613767	0,878955684	---	
17418355	3,486519	4,315131	3,896078	3,573194	3,828635	3,73752	3,8992427	3,713116333	-0,18612633	0,878962589	---	
17220370	6,245449	6,38552	5,984105	6,221482	5,794179	6,04104	6,2050247	6,018900333	-0,18612433	0,878963807	1700047M11Rik	
17201079	7,590718	7,629926	7,889503	7,0559	7,552066	7,943841	7,7033823	7,517269	-0,18611333	0,878970509	---	
17326685	6,11131	6,392958	6,058387	6,254005	5,828252	5,922112	6,1875517	6,001456333	-0,18609533	0,878981476	2810055G20Rik	
17400386	9,029877	9,250383	9,228365	8,922404	9,003242	9,024817	9,1695417	8,983487667	-0,186054	0,879006659	Hormad1	
17206597	3,75977	3,869212	3,789712	4,174237	3,173111	3,513219	3,8062313	3,620189	-0,18604233	0,879013767	---	
17344126	5,364	4,652241	4,72526	4,632742	4,819221	4,731475	4,9138337	4,727812667	-0,186021	0,879026766	Hspa1b	
17507355	7,086191	6,966043	6,921238	6,796848	6,939133	6,679432	6,9911573	6,805137667	-0,18601967	0,879027578	Lig4	
17302974	5,997416	5,768448	5,97457	5,605507	5,722093	5,854871	5,913478	5,727490333	-0,18598767	0,879047076	---	
17237252	10,14981	10,23119	10,1496	9,971068	10,00016	10,00142	10,176867	9,990882667	-0,185984	0,87904931	Nap1l1	
17492305	5,739446	5,675081	5,65042	5,360447	5,715451	5,431108	5,6883157	5,502335333	-0,18598033	0,879051544	Hapln3	
17204911	7,328875	7,716886	7,773216	7,590566	7,22016	7,450346	7,6063257	7,420357333	-0,18596833	0,879058856	---	
17330183	11,56423	11,70783	11,61951	11,36018	11,55611	11,41745	11,630523	11,44458	-0,18594333	0,879074089	Stfa3	
17515074	7,524371	7,946927	7,223499	7,415923	7,342529	7,378538	7,5649323	7,378996667	-0,18593567	0,87907876	Icam1	
17288021	3,779139	3,9863	4,038314	3,667282	3,694432	3,884243	3,9345843	3,748652333	-0,185932	0,879080995	Gm20599	
17280343	5,837139	5,522278	5,641485	5,462199	5,408401	5,57265	5,6669673	5,481083333	-0,185884	0,879110243	Gm9866	
17384450	10,24384	10,78136	10,45403	10,12833	10,3455	10,44786	10,493077	10,30723	-0,18584667	0,879132992	---	
17200405	2,870163	3,383432	3,919529	3,07244	3,467282	3,075886	3,3910413	3,205202667	-0,18583867	0,879137867	---	
17264971	6,206717	6,431828	6,284563	6,028767	6,077297	6,25954	6,3077027	6,121868	-0,18583467	0,879140305	G630025P09Rik // G630025P09Rik	
17526663	10,5579	10,67125	10,46433	10,31705	10,33846	10,48059	10,564493	10,3787	-0,18579333	0,879165493	Fam55b	
17203387	3,249046	3,896002	4,102458	3,269817	3,692358	3,727997	3,7491687	3,563390667	-0,185778	0,879174837	---	
17282963	7,063071	7,175144	7,066661	6,771078	6,868293	7,108177	7,1016253	6,915849333	-0,185776	0,879176056	---	
17219477	9,289301	9,560374	9,270736	8,909459	9,159085	9,494566	9,3734703	9,187703333	-0,185767	0,87918154	---	
17448589	3,960965	3,475156	3,736916	3,411593	3,574301	3,629876	3,7243457	3,53859	-0,18575567	0,879188447	Cox7b2	
17221252	9,263321	9,530774	10,2201	9,81248	8,932279	9,712277	9,6713983	9,485678667	-0,18571967	0,879210386	---	
17513699	5,526491	5,510213	5,563126	5,225243	5,489105	5,328408	5,5332767	5,347585333	-0,18569133	0,879227653	Snai3	
17292491	6,609215	7,154305	6,977725	6,905148	6,49792	6,781293	6,9137483	6,728120333	-0,185628	0,879266251	Gm8672	
17254300	8,994997	9,130734	9,183062	8,960607	8,975971	8,815421	9,102931	8,917333	-0,185598	0,879284535	1100001G20Rik	
17342403	5,835306	5,992082	6,151018	5,758151	5,481008	6,182487	5,992802	5,807215333	-0,18558667	0,879291443	Rhbdl1	
17263200	7,402974	7,421385	7,509385	7,251476	7,121077	7,404505	7,4445813	7,259019333	-0,185562	0,879306476	Zfp39	
17524590	4,962345	4,771774	4,805538	4,738694	4,804233	4,440285	4,8465523	4,661070667	-0,18548167	0,87935544	Zglp1	
17380119	5,929258	5,977653	5,997234	5,961343	5,407588	5,978903	5,9680483	5,782611333	-0,185437	0,879382666	Cass4	
17334262	8,895815	8,761609	8,920965	8,662514	8,703114	8,656465	8,859463	8,674031	-0,185432	0,879385714	Pgp	
17207563	7,559078	7,480089	7,623523	7,572529	7,202139	7,331743	7,55423	7,368803667	-0,18542633	0,879389168	---	
17207625	5,006941	5,367955	5,173034	5,61378	5,045065	4,332814	5,1826433	4,997219667	-0,18542367	0,879390793	---	
17204369	6,438897	6,812324	6,376597	6,086935	6,691938	6,292723	6,542606	6,357198667	-0,18540733	0,879400749	---	
17413942	3,862434	3,500651	3,450346	3,405271	3,541309	3,310656	3,604477	3,419078667	-0,18539833	0,879406235	---	
17292685	5,157464	4,850726	5,151892	4,978133	4,75093	4,874949	5,0533607	4,868004	-0,18535667	0,879431634	---	
17294682	6,327188	5,844929	5,995835	5,665116	6,074022	5,872768	6,055984	5,870635333	-0,18534867	0,87943651	Mef2c // Mef2c	
17207203	4,024494	3,845322	3,380715	3,360431	4,038455	3,295686	3,750177	3,564857333	-0,18531967	0,879454188	---	
17206581	4,747314	5,473983	4,96617	4,585924	5,187355	4,858242	5,062489	4,877173667	-0,18531533	0,87945683	---	
17521469	6,061277	6,208511	5,938025	5,972674	5,950816	5,72839	6,069271	5,88396	-0,185311	0,879459471	LOC100862215	

17222951	7,603648	7,51169	7,092965	7,372855	7,10797	7,17164	7,4027677	7,217488333	-0,18527933	0,879478776	1700019D03Rik	
17209951	5,794395	5,835875	4,687484	5,595392	5,067567	5,098979	5,4392513	5,253979333	-0,185272	0,879483246	---	
17301849	5,678377	5,505245	5,325011	5,357379	5,412114	5,18337	5,5028777	5,317621	-0,18525667	0,879492593	Fndc3a // Fndc3a	
17201763	7,3105	7,504274	7,53669	6,923828	7,246957	7,625049	7,450488	7,265278	-0,18521	0,879521043	---	
17201939	7,3105	7,504274	7,53669	6,923828	7,246957	7,625049	7,450488	7,265278	-0,18521	0,879521043	---	
17357897	4,747497	4,344632	4,122342	4,203091	4,300472	4,155312	4,4048237	4,219625	-0,18519867	0,879527952	Olfr1449	
17249513	6,927435	7,576024	7,02368	7,045784	6,571815	7,354053	7,175713	6,990550667	-0,18516233	0,879550103	---	
17288434	5,979523	5,613443	5,96589	5,88207	5,533219	5,588162	5,852952	5,667817	-0,185135	0,879566767	8030423J24Rik	
17548715	7,990222	8,263701	7,944603	7,742303	8,042754	7,858068	8,0661753	7,881041667	-0,18513367	0,87956758	LOC100861831	
17231686	3,033747	3,004262	3,02573	2,780854	2,969753	2,757752	3,0212463	2,836119667	-0,18512667	0,879571847	---	
17206415	5,099449	4,958935	5,222222	5,109173	4,841387	4,7747	5,0935353	4,90842	-0,18511533	0,879578757	---	
17398734	8,524023	8,491179	7,978255	7,566987	8,452173	8,419147	8,3311523	8,146102333	-0,18505	0,87961859	Cd5l	
17274813	4,601227	4,456019	4,342547	4,404498	4,140565	4,299582	4,4665977	4,281548333	-0,18504933	0,879618997	Slc26a3	
17289695	9,181668	9,228365	9,056674	8,876966	8,991843	9,042807	9,155569	8,970538667	-0,18503033	0,879630581	2810008M24Rik	
17395718	5,745922	5,559844	5,90651	5,624309	5,537618	5,495356	5,7374253	5,552427667	-0,18499767	0,879650499	Chrna4	
17239420	7,076387	7,08222	7,044004	6,945314	6,815991	6,886365	7,067537	6,882556667	-0,18498033	0,879661067	Aig1	
17299097	3,538234	3,5031	3,325688	3,308008	3,254687	3,249397	3,455674	3,270697333	-0,18497667	0,879663303	---	
17299099	3,538234	3,5031	3,325688	3,308008	3,254687	3,249397	3,455674	3,270697333	-0,18497667	0,879663303	---	
17420811	5,575719	5,800135	5,687668	5,377118	5,418672	5,712938	5,6878407	5,502909333	-0,18493133	0,879690945	---	
17351196	5,78077	5,382034	5,704208	5,586445	5,656953	5,068869	5,6223373	5,437422333	-0,184915	0,879700904	Apcdd1	
17219756	6,383896	5,890034	6,725115	5,896146	6,499271	6,048939	6,333015	6,148118667	-0,18489633	0,879712286	Olfr417	
17283832	5,701613	5,539523	5,905543	5,329954	5,666003	5,596162	5,7155597	5,530706333	-0,18485333	0,879738507	1700121N20Rik	
17500662	7,256826	7,548917	7,43517	7,279357	7,371743	7,035311	7,4136377	7,228803667	-0,184834	0,879750296	Zdhhc2	
17398632	3,190742	3,277282	3,492517	3,092419	3,225924	3,087735	3,3201803	3,135359333	-0,184821	0,879758224	---	
17248191	6,441852	6,310003	6,422214	6,436165	6,073292	6,110165	6,3913563	6,206540667	-0,18481567	0,879761476	Gpr75	
17325335	7,834391	7,819356	7,309548	6,906262	8,101652	7,401066	7,6544317	7,46966	-0,18477167	0,879788308	Gm5416	
17398323	3,862184	4,085948	4,106791	3,949205	3,85691	3,694515	4,0183077	3,833543333	-0,18476433	0,87979278	Serpini1	
17526574	5,159413	5,48195	5,002894	5,190876	5,016719	4,882404	5,2147523	5,029999667	-0,18475267	0,879799894	---	
17222072	7,345935	7,770462	7,402405	7,464228	7,254447	7,24589	7,5062673	7,321521667	-0,18474567	0,879804163	Ccdc115	
17207055	6,909632	6,578185	6,719388	6,612141	6,644627	6,396276	6,735735	6,551014667	-0,18472033	0,879819613	---	
17467926	4,360936	4,026143	3,59987	3,487081	4,033206	3,912767	3,9956497	3,811018	-0,18463167	0,879873687	Gm4374	
17284536	3,845593	3,58489	3,504011	3,408929	3,474276	3,497514	3,6448313	3,460239667	-0,18459167	0,879898083	---	
17210145	3,135694	3,092297	3,350636	3,15416	2,875906	2,994869	3,1928757	3,008311667	-0,184564	0,879914957	---	
17407188	8,222465	8,464619	8,536983	8,081346	8,430877	8,158218	8,4080223	8,223480333	-0,184542	0,879928375	---	
17546251	5,619334	5,633485	5,559535	5,647722	4,959412	5,651666	5,604118	5,4196	-0,184518	0,879943013	LOC100862032 // LOC100862032	
17537373	4,052606	3,943667	3,843385	3,744872	3,897973	3,643267	3,9465527	3,762037333	-0,18451533	0,87994464	---	
17230249	4,882557	4,706358	5,175272	4,656791	4,651947	4,901905	4,9213957	4,736881	-0,18451467	0,879945046	---	
17479923	3,171923	3,26579	3,456511	3,190188	3,117435	3,033171	3,2980747	3,113598	-0,18447667	0,879968224	Olfr291	
17548096	4,551428	4,483039	4,217208	3,996247	4,294161	4,407966	4,417225	4,232791333	-0,18443367	0,879994452	Sf3b2 // Sf3b2	
17205785	5,243813	5,33287	4,606791	5,015363	5,025448	4,589396	5,061158	4,876735667	-0,18442233	0,880001365	---	
17362121	4,77813	4,524427	4,748719	4,584187	4,374609	4,539242	4,6837587	4,499346	-0,18441267	0,880007261	1700019N12Rik	
17230819	5,936328	5,886724	5,828016	5,735267	5,771144	5,591471	5,8836893	5,699294	-0,18439533	0,880017834	Gm2061	
17415345	6,773348	6,520621	6,952378	6,801764	6,435061	6,456623	6,7487823	6,564482667	-0,18429967	0,880076191	Gm13286 // Gm13287 // Gm13285 // Gı	
17263193	4,479003	4,337562	4,53257	4,421985	3,954385	4,419871	4,4497117	4,265413667	-0,184298	0,880077208	Fam183b	
17482634	4,254299	4,312579	4,40155	4,134749	4,071536	4,209406	4,3228093	4,138563667	-0,18424567	0,880109133	Otoa	
17316607	4,72441	4,71157	4,672671	4,65691	4,487915	4,411266	4,7028837	4,518697	-0,18418667	0,880145126	---	
17240342	8,93192	9,12242	8,854024	8,7156	8,573027	9,06725	8,9694547	8,785292333	-0,18416233	0,880159972	Rpf2	
17363995	3,342579	3,562302	3,420051	3,389984	3,341271	3,041191	3,441644	3,257482	-0,184162	0,880160175	---	
17419840	5,930578	5,946635	6,198023	5,567069	6,003372	5,952348	6,0250787	5,840929667	-0,184149	0,880168106	Runx3	
17490995	5,314002	5,412855	5,630621	5,08301	5,373868	5,348743	5,4524927	5,268540333	-0,18395233	0,880288098	Grin2d	
17463617	6,612463	7,00071	6,75104	6,376538	6,738977	6,696875	6,788071	6,60413	-0,183941	0,880295013	---	
17205015	9,251873	9,535851	9,081092	9,055256	8,915429	9,346477	9,2896053	9,105720667	-0,18388467	0,880329387	---	
17392253	3,544697	3,452543	3,51089	3,374024	3,1773	3,4052	3,50271	3,318841333	-0,18386867	0,88033915	---	
17401727	4,340385	4,043786	4,553643	3,954798	4,264129	4,167339	4,3126047	4,128755333	-0,18384933	0,880350947	---	
17507901	5,138672	5,119001	5,125038	4,996405	4,981853	4,852969	5,1275703	4,943742333	-0,183828	0,880363965	Gm14851	
17483793	5,648304	5,799011	5,960972	5,690176	5,567374	5,599257	5,8027623	5,618935667	-0,18382667	0,880364779	Ppapdc1a	
17481982	9,484545	9,630264	9,536643	9,278109	9,433845	9,388176	9,550484	9,36671	-0,183774	0,880396918	Far1	
17203745	5,64586	6,21055	5,684487	5,967997	5,459421	5,562284	5,8469657	5,663234	-0,18373167	0,880422752	---	
17487291	7,072275	6,933673	6,885017	6,910881	6,631798	6,797323	6,963655	6,780000667	-0,18365433	0,880469947	Gemin7	
17549882	3,24334	3,411038	3,1323	3,024098	3,070956	3,140661	3,262226	3,078571667	-0,18365433	0,880469947	---	
17236727	3,965107	4,103194	4,057171	3,717392	3,710875	4,146257	4,041824	3,858174667	-0,18364933	0,880472999	---	
17528319	7,473272	7,620378	7,541251	7,355043	7,303962	7,425004	7,544967	7,361336333	-0,18363067	0,880484391	Snx22	
17474872	3,414338	3,819129	3,646723	3,340138	3,61645	3,372718	3,62673	3,443102	-0,183628	0,880486018	Vmn1r181	
17220794	4,552541	4,355914	4,640751	4,398747	4,084088	4,515533	4,516402	4,332789333	-0,18361267	0,880495376	D730003I15Rik	
17411751	9,309452	9,569954	9,8447	9,60572	9,364285	9,20342	9,574702	9,391141667	-0,18356033	0,880527317	Trp53inp1	
17484140	8,981833	8,780802	8,895894	8,68646	8,582083	8,839396	8,8861763	8,702646333	-0,18353	0,88054583	Bccip	
17370551	7,769757	7,786692	7,844313	7,681647	7,626614	7,541924	7,800254	7,616728333	-0,18352567	0,880548475	Arhgap15	
17494187	4,298689	4,346886	4,356977	4,18622	4,162272	4,103555	4,334184	4,150682333	-0,18350167	0,880563124	Olfr620	
17415233	4,189389	4,493787	4,413215	4,363992	4,107377	4,074603	4,3654637	4,181990667	-0,183473	0,880580621	---	
17448806	11,58313	11,45568	11,65662	11,4932	11,52306	11,12889	11,565143	11,38171667	-0,18342667	0,880608902	---	
17262141	8,384748	8,130953	8,098166	7,941547	7,973145	8,149076	8,2046223	8,021256	-0,18336633	0,88064573	Timd2	
17321422	5,053557	5,019996	4,918307	4,804521	4,724995	4,912543	4,9972867	4,814019667	-0,183267	0,880706366	Rhebl1	
17549516	6,269958	6,406088	6,47041	6,124165	6,164783	6,307734	6,382152	6,198894	-0,183258	0,880711861	---	
17272817	6,245665	6,454951	6,470676	6,29045	6,177139	6,153938	6,3904307	6,207175667	-0,183255	0,880713692	Rbfox3	
17216469	8,589185	8,49907	8,505022	8,315796	8,582485	8,145308	8,5310923	8,347863	-0,18322933	0,880729361	Serpinb10	
17220485	4,19524	5,011704	4,886978	4,55703	4,537863	4,449352	4,697974	4,514748333	-0,18322567	0,880731599	4930488B22Rik	
17333320	4,300768	4,282706	4,699442	4,36544	4,378332	3,989866	4,4276387	4,244546	-0,18309267	0,880812796	Mrgprh	
17540977	6,871879	7,245943	7,263963	6,848178	6,8938	7,09054	7,1272617	6,944172667	-0,183089	0,880815035	Nkrf	
17403138	9,749716	9,830267	9,709632	9,63398	9,477465	9,628941	9,763205	9,580128667	-0,18307633	0,880822768	Eif4e	
17457715	4,130734	3,875067	3,613369	3,879584	3,624988	3,565378	3,8730567	3,689983333	-0,18307333	0,8808246	---	
17534376	4,101133	3,878466	3,907279	4,005177	3,528013	3,804628	3,9622927	3,779272667	-0,18302	0,880857163	---	
17379680	4,470793	4,442123	4,25142	4,251413	4,268969	4,094924	4,388112	4,205102	-0,18301	0,880863268	---	
17268907	6,931683	6,624039	6,999486	6,509235	6,770131	6,726848	6,851736	6,668738	-0,182998	0,880870595	Gjd3	
17219185	8,317356	8,265647	8,186822	8,081719	8,37413	7,765007	8,2566083	8,073618667	-0,18298967	0,880875683	Olfml2b	
17395389	4,81613	4,446952	4,39715	4,305115	4,429571	4,376619	4,5534107	4,370435	-0,18297567	0,880884232	Gm14406	
17450848	3,452084	3,340902	3,456355	3,166866	3,43562	3,097964	3,416447	3,233483333	-0,18296367	0,880891559	Tmed11	
17391467	9,502543	9,455029	9,112496	9,153607	8,87914	9,488553	9,3566893	9,173766667	-0,18292267	0,880916593	---	
17384190	7,055554	6,820189	7,032377	6,881713	6,648397	6,829262	6,9693733	6,786457333	-0,182916	0,880920664	Lmx1b	
17530686	6,350128	6,172018	6,32344	6,038065	6,313572	5,945334	6,281862	6,098990333	-0,18287167	0,880947734	Abhd14a	
17363316	6,462093	6,259397	6,462793	6,123445	6,573717	5,938879	6,394761	6,212013667	-0,18274733	0,881023659	Foxb2	
17491797	6,217154	6,451896	6,249956	6,160506	6,311381	5,898968	6,3063353	6,123618333	-0,182717	0,881042183	---	
17412013	5,424683	5,435662	5,352815	5,203392	5,191913	5,269726	5,4043867	5,221677	-0,18270967	0,881046661	Mmp16	
17369864	7,691541	7,161105	7,964176	7,895914	6,899011	7,473779	7,6056073	7,422901333	-0,182706	0,881048901	---	
17304872	3,825372	3,424849	3,240518	3,391243	3,341413	3,210047	3,496913	3,314234333	-0,18267867	0,881065593	---	
17543928	4,023714	3,920159	4,134019	3,658925	3,739302	4,131674	4,025964	3,843300333	-0,18266367	0,881074754	Mir325 // Mir325	
17379759	5,97986	5,694135	6,11821	5,706421	5,703324	5,834515	5,930735	5,748086667	-0,18264833	0,881084118	Trp53rk	
17352412	4,041813	4,034707	4,064055	3,882622	3,940985	3,769088	4,0468583	3,864231667	-0,18262667	0,881097351	Mtpap	
17200713	5,228683	5,392754	5,933018	5,043322	5,595843	5,367451	5,5181517	5,335538667	-0,182613	0,881105697	---	
17446580	5,526773	5,61474	6,086792	5,956456	5,192604	5,531415	5,7427683	5,560158333	-0,18261	0,881107529	Shh	
17428861	9,636966	9,88573	9,639078	9,242035	9,403769	9,968218	9,7205913	9,538007333	-0,182584	0,881123409	---	
17330168	5,430855	5,223479	4,857213	4,749273	5,478153	4,736573	5,1705157	4,987999667	-0,182516	0,881164941	BC100530	
17359852	5,63877	5,60121	5,599481	5,387021	5,532361	5,372618	5,6131537	5,430666667	-0,182487	0,881182653	---	
17287792	4,310392	3,862939	3,682334	3,733763	3,778559	3,795896	3,9518883	3,769406	-0,18248233	0,881185504	---	
17335926	5,145251	5,518032	5,234211	5,086414	5,086334	5,177327	5,2991647	5,116691667	-0,182473	0,881191204	---	
17516164	6,045244	5,405492	5,78829	5,645669	5,66992	5,376113	5,746342	5,563900667	-0,18244133	0,881210546	Olfr901	
17415349	6,673943	6,328598	6,734582	6,443551	6,281997	6,464252	6,579041	6,3966	-0,182441	0,88121075	Gm13287	
17206359	3,270892	4,141255	3,609703	3,609703	3,651848	3,213015	3,67395	3,491522	-0,182428	0,881218691	---	
17519775	3,797048	3,518997	3,508284	3,371816	3,396453	3,508783	3,6081097	3,425684	-0,18242567	0,881220116	---	
17204571	6,469435	7,591023	7,425852	7,079229	6,975686	6,842111	7,1621033	6,979708667	-0,18239467	0,881239051	---	
17495308	7,199739	6,891591	7,143489	7,369342	6,568025	6,750291	7,078273	6,895886	-0,182387	0,88124734	---	
17354979	3,023222	3,297465	2,723068	2,789926	2,99036	2,716342	3,014585	2,832209333	-0,18237567	0,881250657	---	
17538134	5,693876	5,351837	4,964937	4,914066	5,239389	5,310099	5,3368833	5,154518	-0,18236533	0,881256969	Cldn2	
17207073	6,40341	6,617005	6,490863	7,04472	5,676599	6,242976	6,5037593	6,321431667	-0,18232767	0,881279978	---	
17203211	4,663058	4,778204	4,005323	4,952355	3,89476	4,052866	4,482195	4,299993667	-0,18220133	0,881357153	---	
17472985	3,936663	3,601887	4,269604	3,650839	3,703025	3,907745	3,9360513	3,753869667	-0,18218167	0,881369167	4930528G23Rik	
17240858	4,95236	4,772489	4,97749	4,840591	4,776682	4,538637	4,9007797	4,718636667	-0,182143	0,88139279	Fam184a	
17229391	9,965873	9,815415	9,924387	9,516944	9,868251	9,774052	9,9018917	9,719749	-0,18214267	0,881392994	Uck2	
17341993	7,484809	7,413232	7,384524	7,271348	7,272487	7,192318	7,4275217	7,245384333	-0,18213733	0,881396252	Tbl3	
17498032	8,165451	8,261988	8,327121	8,020255	8,065009	8,122964	8,25152	8,069409333	-0,18211067	0,881412544	Mob2	
17302251	8,653528	8,924776	8,626904	8,397885	8,469944	8,791058	8,7350693	8,552962333	-0,182107	0,881414784	Sugt1	
17503389	4,429446	4,690912	4,656266	4,397043	4,368032	4,465267	4,592208	4,410114	-0,182094	0,881422726	BC056474	
17300050	3,318796	3,119471	3,602091	3,246389	3,198334	3,049361	3,346786	3,164694667	-0,18209133	0,881424355	A430107P09Rik	
17232330	2,98022	2,992494	2,894845	2,771372	2,866475	2,683496	2,955853	2,773781	-0,182072	0,881436167	---	
17548475	5,077105	5,196412	5,046845	4,761239	4,986075	5,026902	5,1067873	4,924738667	-0,18204867	0,881450423	Gm19566	
17476175	8,40406	8,507788	8,386953	8,220657	8,194154	8,338005	8,4329337	8,250938667	-0,181995	0,881483213	Zfp84	
17548846	10,24266	10,12449	10,19986	10,01544	10,00799	9,997631	10,189003	10,00702033	-0,181983	0,881490545	Atf1 // Atf1	
17419658	5,189794	5,16491	5,610775	5,09026	5,342391	4,986965	5,3218263	5,139872	-0,18195433	0,88150806	---	
17515027	5,237802	4,978883	5,137722	4,759375	5,087337	4,961832	5,1181357	4,936181333	-0,18195433	0,88150806	Rdh8	
17501317	4,471526	4,409637	4,641769	4,478904	4,320177	4,178031	4,507644	4,325704	-0,18194	0,881516818	BC030500	
17454114	5,912704	5,717213	5,837785	5,630336	5,611376	5,680195	5,8225673	5,640635667	-0,18193167	0,88152191	Irs3	
17449542	10,20297	9,86757	9,674231	9,742626	9,724266	9,732204	9,9149237	9,733032	-0,18189167	0,881546352	---	
17518312	11,66586	11,96836	11,95795	11,75084	11,78034	11,51537	11,864057	11,68218333	-0,18187333	0,881557554	Snord16a	
17285883	5,130091	5,492774	5,373017	5,23282	5,096581	5,120866	5,3319607	5,150089	-0,18187167	0,881558572	Trim38	
17427958	4,60316	4,347297	5,048877	4,476495	4,39105	4,586446	4,6664447	4,484663667	-0,181781	0,881613976	---	

17208279	4,214661	4,570093	4,294382	4,258578	4,03732	4,238109	4,359712	4,178002333	-0,18170967	0,881657568	---	
17476930	3,53495	3,453959	2,979869	3,099857	3,349174	2,974685	3,322926	3,141238667	-0,18168733	0,881671217	Gm4884	
17293534	5,132664	5,309068	5,545174	5,828408	4,544036	5,069487	5,3289687	5,147310333	-0,18165833	0,881688939	Gm5665	
17469698	3,692619	3,400979	3,654729	3,306059	3,538209	3,359096	3,5827757	3,401121333	-0,18165433	0,881691384	---	
17281506	8,49849	8,524781	8,322278	8,190282	8,322928	8,287376	8,4485163	8,266862	-0,18165433	0,881691384	Pole2	
17330175	9,070157	8,924907	8,533732	8,504904	8,93205	8,546885	8,842932	8,661279667	-0,18165233	0,881692606	Stfa2	
17299502	3,417308	3,289187	3,408698	3,1852	3,28208	3,102994	3,371731	3,190091333	-0,18163967	0,881700347	Olfr744	
17532737	6,069214	5,701908	5,601139	5,601992	5,641393	5,584166	5,7907537	5,609183667	-0,18157	0,881742925	---	
17210413	3,689193	3,927075	4,02417	3,625285	3,884596	3,585879	3,880146	3,698586667	-0,18155933	0,881749444	---	
17453917	6,512827	6,534994	6,635648	6,418639	6,403935	6,316396	6,5611563	6,379656667	-0,18149967	0,881785912	Slc12a9	
17204953	5,297414	5,714043	5,908645	5,413857	5,449023	5,512751	5,640034	5,458543667	-0,18149033	0,881791617	---	
17402144	7,228858	7,545889	7,356753	7,082481	7,189532	7,31515	7,3771667	7,195721	-0,18144567	0,881818918	Usp12 // Usp12	
17549662	6,562759	6,256386	6,797719	6,351005	6,443563	6,278081	6,5389547	6,357549667	-0,181405	0,881843775	---	
17210827	3,767017	3,076977	2,86764	2,956279	3,266911	2,94427	3,2372113	3,05582	-0,18139133	0,881852129	---	
17332219	3,944602	4,409678	4,872232	4,215888	4,247104	4,219377	4,4088373	4,227456333	-0,181381	0,881858445	4930563D23Rik	
17287576	7,476364	7,358225	7,621861	7,260278	7,264242	7,387832	7,4854833	7,304117333	-0,181366	0,881867614	Uimc1 // Uimc1	
17316804	9,992164	10,14238	9,952054	9,759806	9,839235	9,943547	10,028866	9,847529333	-0,18133667	0,881885545	Eif3e	
17476465	7,368964	7,224676	7,215139	7,179673	6,941776	7,143388	7,269593	7,088279	-0,181314	0,8818994	U2af1l4	
17322825	3,727893	3,483106	3,747004	3,50407	3,550469	3,359522	3,6526677	3,471353667	-0,181314	0,8818994	---	
17206051	4,327058	3,816728	4,48943	4,024216	4,193473	3,871781	4,211072	4,029823333	-0,18124867	0,881939339	---	
17541695	3,664335	3,713455	3,865275	3,536249	3,571276	3,592005	3,7476883	3,56651	-0,18117833	0,881982336	Mir363	
17442165	8,650512	8,496133	8,485811	8,249671	8,441247	8,398008	8,544152	8,362975333	-0,18117667	0,881983354	Rnf34	
17449047	4,616086	4,267994	4,364242	4,213587	4,383879	4,107383	4,4161073	4,234949667	-0,18115767	0,88199497	Arl9	
17206821	3,411502	3,966412	3,5717	3,536578	3,612688	3,25706	3,6498713	3,468775333	-0,181096	0,882032671	---	
17409526	10,45174	10,40799	10,69475	10,91772	10,17872	9,914841	10,51816	10,33709367	-0,18106633	0,882050809	Amy2a5	
17400562	8,965315	9,164205	9,137907	8,800737	8,996092	8,927427	9,0891423	8,908085333	-0,181057	0,882056515	Hist2h2bb	
17341231	6,196852	6,247723	6,187255	6,272719	5,860024	5,956118	6,21061	6,029620333	-0,18098967	0,882097683	Rgmb	
17537936	6,292763	5,996439	6,251933	6,008516	5,949013	6,040783	6,1803783	5,999437333	-0,180941	0,88212744	Tceal1	
17540587	2,922425	2,987004	3,039829	2,820961	2,919747	2,66641	2,983086	2,802372667	-0,18071333	0,882266656	---	
17545955	5,451901	5,817108	5,762579	5,549622	5,536235	5,403666	5,677196	5,496507667	-0,18068833	0,882281945	Bmx	
17205795	4,739644	4,587295	4,494812	4,682773	4,773694	3,823376	4,6072503	4,426614333	-0,180636	0,88231395	---	
17354506	4,158063	4,102331	3,942675	3,900534	3,925464	3,835178	4,0676897	3,887058667	-0,180631	0,882317008	---	
17550420	4,717371	4,921372	5,09681	4,664478	4,85221	4,677061	4,911851	4,731249667	-0,18060133	0,882335151	---	
17347981	3,27206	3,189692	3,463705	3,01548	3,141397	3,226791	3,3084857	3,127889333	-0,18059633	0,882338209	---	
17496308	2,998609	2,916036	2,941171	2,803839	2,795198	2,714999	2,9519387	2,771345333	-0,18059333	0,882340044	---	
17427213	4,308971	4,582093	4,346232	4,205373	4,444862	4,045287	4,412432	4,231840667	-0,18059133	0,882341267	---	
17338103	4,984715	4,905595	5,029846	4,832303	4,741931	4,80427	4,9733853	4,792834667	-0,18055067	0,882366139	Crip3	
17203781	4,521664	3,792909	3,9795	4,174346	3,568568	4,00956	4,0980243	3,917491333	-0,180533	0,882376944	---	
17250141	6,203107	6,452645	6,376115	6,128542	6,120328	6,241472	6,3439557	6,163447333	-0,18050833	0,882392031	Zfp39 // Zfp39	
17470681	4,457675	3,906185	4,601877	3,99904	4,20433	4,220844	4,3219123	4,141404667	-0,18050767	0,882392439	---	
17344909	5,092237	5,035599	5,267193	5,000978	4,90905	4,943509	5,1316763	4,951179	-0,18049733	0,882398759	Olfr761	
17207809	4,138247	4,037153	3,348516	3,746622	3,623117	3,612819	3,8413053	3,660852667	-0,18045267	0,882426079	---	
17367740	7,506157	7,561441	7,776254	7,449882	7,442563	7,410083	7,6146173	7,434176	-0,18044133	0,882433011	Zmynd19	
17203023	5,914495	5,653335	6,38634	6,411427	5,148631	5,852827	5,9847233	5,804295	-0,18042833	0,882440962	---	
17204379	3,364458	3,916144	3,920976	3,400585	3,571472	3,688297	3,7338593	3,553451333	-0,180408	0,8824534	---	
17212371	3,723789	3,065336	3,443061	3,24161	3,171166	3,278199	3,4107287	3,230325	-0,18040367	0,88245605	---	
17202901	5,264709	4,539416	4,047549	4,167554	5,033069	4,109871	4,6172247	4,436831333	-0,18039333	0,882462371	---	
17489886	8,690095	8,916742	8,732172	8,600825	8,561788	8,635216	8,7796697	8,599276333	-0,18039333	0,882462371	Ccne1	
17421300	3,792199	3,597524	3,884514	3,349543	3,528553	3,855129	3,758079	3,577741667	-0,18033733	0,882496625	9430007A20Rik	
17203519	4,607708	3,817704	4,299746	4,267105	4,11611	3,801123	4,2417193	4,061446	-0,18027333	0,882535775	---	
17543728	4,683175	4,668434	4,703371	4,581635	4,760314	4,172557	4,6849933	4,504835333	-0,180158	0,88260633	Gm9112	
17369194	3,375666	3,050641	3,311579	3,072559	3,130311	2,994875	3,245962	3,065915	-0,180047	0,88267424	---	
17526978	3,720001	3,357111	3,621075	3,401031	3,357041	3,400035	3,5660623	3,386035667	-0,18002667	0,882686681	Mir34c	
17551161	6,846785	6,568846	7,168373	6,538093	6,874325	6,631625	6,8613347	6,681347667	-0,179987	0,88271095	---	
17204593	4,292295	4,733852	4,586151	4,395582	4,186589	4,49039	4,5374327	4,357520333	-0,17991233	0,882756636	---	
17209037	6,358291	6,561509	6,174221	6,03465	6,27443	6,245231	6,3646737	6,184770333	-0,17990333	0,882762143	---	
17310259	8,987888	8,762694	8,785981	8,854511	8,430388	8,711993	8,845521	8,665630667	-0,17989033	0,882770098	Prlr	
17262050	4,055538	4,136733	3,902458	4,092596	3,722352	3,740166	4,0315763	3,851704667	-0,17987167	0,88278152	Adam19 // Adam19	
17549406	4,589016	4,970016	4,618241	4,335989	4,692257	4,609505	4,7257577	4,545917	-0,17984067	0,882800489	---	
17549804	4,589016	4,970016	4,618241	4,335989	4,692257	4,609505	4,7257577	4,545917	-0,17984067	0,882800489	---	
17389851	6,06941	5,814468	6,136842	5,904584	5,886301	5,690531	6,0069067	5,827138667	-0,179768	0,882844955	Vps18 // Vps18	
17494706	4,659372	3,932856	4,219853	3,98436	3,915582	4,37291	4,2706937	4,090950667	-0,179743	0,882860254	Olfr705	
17318728	6,729056	6,471865	6,687771	6,550828	6,54424	6,254701	6,629564	6,449923	-0,179641	0,882922675	Zfp251	
17502039	5,634112	5,738238	5,946661	5,473081	5,839927	5,467115	5,7730037	5,593374333	-0,17962933	0,882929815	Rab3a	
17239682	4,390259	4,482722	4,532089	4,385084	4,259084	4,222068	4,4683567	4,288745333	-0,17961133	0,882940831	4930455C13Rik	
17211256	3,800148	3,692403	3,627137	3,488439	3,627137	3,465361	3,7065627	3,526979	-0,17958367	0,882957764	---	
17535529	5,538586	5,381112	5,326084	5,170749	5,231961	5,304405	5,4152607	5,235705	-0,17955567	0,8829749	F8a	
17549600	6,136764	5,789691	5,554572	5,703651	5,674096	5,564653	5,827009	5,647466667	-0,17954233	0,882983061	---	
17399474	8,718422	8,916748	8,976398	8,89252	8,441792	8,738647	8,8705227	8,690986333	-0,17953633	0,882986733	Pmvk	
17254629	5,231046	4,701381	5,088206	4,881872	4,787806	4,812682	5,0068777	4,827453333	-0,17942433	0,883055284	---	
17313788	6,819658	6,863037	6,91136	6,690506	6,690178	6,675106	6,864685	6,685263333	-0,17942167	0,883056916	Fam118a	
17418952	8,944805	9,246486	9,157663	9,037582	8,922725	8,850456	9,116318	8,936921	-0,179397	0,883072015	Yars	
17548975	4,599358	4,791871	4,58112	4,517138	4,479215	4,43782	4,6574497	4,478057667	-0,179392	0,883075075	Capza1 // Capza1	
17204961	3,1604	3,437281	3,6661	3,686994	3,019761	3,018903	3,4212603	3,241886	-0,17937433	0,883085889	---	
17220877	4,83296	5,03101	5,11685	4,689569	4,794436	4,958763	4,9936067	4,814256	-0,17935067	0,883100376	Gm10516	
17450005	5,292865	5,350209	5,443563	5,13467	5,138521	5,275431	5,3622123	5,182874	-0,17933833	0,883107925	A930011G23Rik	
17387829	4,35731	3,627569	4,17309	3,721554	3,735834	4,162595	4,0526563	3,873327667	-0,17932867	0,883113843	Olfr1179	
17209741	5,477832	5,687572	6,337205	5,141471	6,201437	5,621763	5,834203	5,654890333	-0,17931267	0,883123637	---	
17428659	9,16334	9,274832	9,167215	8,923675	9,059008	9,084805	9,2017957	9,022496	-0,17929967	0,883131594	Nasp	
17530094	5,020601	4,964518	5,032275	4,88027	4,736226	4,863047	5,005798	4,826514333	-0,17928367	0,883141389	Cldn18	
17542501	6,506033	6,742766	6,613367	6,602729	6,587902	6,13374	6,620722	6,441457	-0,179265	0,883152816	Renbp	
17202567	3,868943	4,260561	4,011998	3,90545	3,668465	4,029792	4,0471673	3,867902333	-0,179265	0,883152816	---	
17209165	6,221086	5,973955	6,186775	6,998998	5,7324	5,112664	6,127272	5,948020667	-0,17925133	0,883161182	---	
17442942	10,50765	10,71153	10,60553	10,35491	10,45617	10,476	10,608237	10,42902667	-0,17921	0,883186485	Snora15	
17306835	7,163526	7,410354	7,385721	7,272221	7,005121	7,144658	7,319867	7,140666667	-0,17920033	0,883192402	Rabggta	
17477884	5,169494	4,971331	5,511235	4,937706	5,062239	5,114563	5,2173533	5,038169333	-0,179184	0,883202401	Hsd17b14	
17311649	6,921435	7,437539	6,982872	6,816943	6,924632	7,062791	7,1139487	6,934788667	-0,17916	0,883217094	---	
17508174	6,184075	6,089875	5,64236	5,541409	5,915408	5,922093	5,9721033	5,79297	-0,17913333	0,88323342	Ido2	
17461112	4,368701	4,162675	4,08149	4,552554	3,667484	3,855462	4,2042887	4,025166667	-0,179122	0,883240358	---	
17438227	4,078335	4,01396	3,999099	4,055707	3,654632	3,843847	4,0304647	3,851395333	-0,17906933	0,883272602	Gm6116	
17417336	5,749784	5,541616	5,630589	5,479546	5,255794	5,649445	5,640663	5,461595	-0,179068	0,883273418	Kncn	
17530540	4,652984	5,183599	4,925824	4,600318	4,975999	4,648918	4,9208023	4,741745	-0,17905733	0,883279949	Col6a5	
17234856	4,631187	4,259729	3,794924	4,124805	4,10928	3,914985	4,2286133	4,04969	-0,17892333	0,883361993	Olfr1352	
17491697	3,780365	3,514811	3,79059	3,680006	3,416019	3,45304	3,6952553	3,516355	-0,17890033	0,883376076	Mir344d-1	
17498271	7,815217	8,037402	8,164577	7,859213	7,89066	7,730701	8,005732	7,826858	-0,178874	0,883392201	Cars	
17432708	3,645595	3,436739	3,293873	3,261618	3,356927	3,221303	3,4587357	3,279949333	-0,17878633	0,883445882	---	
17363129	3,728412	3,650378	3,582829	3,404829	3,499097	3,521478	3,653873	3,475134667	-0,17873833	0,883475276	Olfr1447	
17519347	3,261344	3,621113	3,613277	3,418348	3,276352	3,264895	3,498578	3,319865	-0,178713	0,88349079	---	
17357899	2,827314	3,18537	3,178833	2,84847	2,851235	2,955959	3,063839	2,885221333	-0,17861767	0,883549173	Olfr1450	
17447698	5,098706	4,815403	4,586544	4,845648	4,45303	4,666161	4,833551	4,654946333	-0,17860467	0,883557134	Clnk	
17487670	4,666263	4,329275	4,263624	4,289832	4,295376	4,138431	4,4197207	4,241213	-0,17850767	0,883616543	Vmn1r177	
17431693	4,540896	3,957282	4,730366	4,065889	4,618293	4,009287	4,4095147	4,231156333	-0,17835833	0,88370801	Cela3b	
17268088	3,442405	3,790514	4,197428	3,910659	3,40722	3,577412	3,8101157	3,631763667	-0,178352	0,88371189	---	
17507790	4,358531	4,32695	4,802737	4,238327	4,356624	4,358212	4,4960727	4,317721	-0,17835167	0,883712094	---	
17351839	9,236066	9,134074	9,28564	8,966854	9,027162	9,126731	9,2185933	9,040249	-0,17834433	0,883716586	---	
17314626	6,15306	5,986728	6,187521	5,822119	6,05987	5,910307	6,109103	5,930765333	-0,17833767	0,88372067	9330020H09Rik	
17481232	10,49498	10,65228	10,74163	10,38562	10,50225	10,46604	10,62963	10,45130333	-0,17832667	0,883727408	Hbb-b1	
17216351	3,576495	3,436766	3,710977	3,433946	3,408163	3,347278	3,574746	3,396462333	-0,17828367	0,883753748	---	
17300362	6,105704	6,580274	7,007739	6,893061	6,026959	6,238874	6,5645723	6,386298	-0,17827433	0,883759465	---	
17326914	4,36637	4,394166	4,971738	4,537619	4,296099	4,363769	4,5774247	4,399162333	-0,17826233	0,883766816	Krtap13-1	
17503254	9,6981	10,0522	9,90462	9,675438	9,581308	9,863399	9,8849733	9,706715	-0,17825833	0,883769266	Klf1	
17541919	6,906681	6,310201	6,719406	6,445269	6,420145	6,536122	6,6454293	6,467178667	-0,17825067	0,883773963	Gpr101	
17432554	5,200202	4,646104	4,923366	4,603581	4,589379	5,042017	4,923224	4,744992333	-0,17823167	0,883785602	1700012P22Rik	
17334059	5,842876	5,233129	5,756916	5,425226	5,550179	5,32285	5,6109737	5,432751667	-0,178222	0,883791524	6330415G19Rik	
17202995	6,90266	6,685359	6,536946	6,771399	6,319258	6,499679	6,7083217	6,530112	-0,17820967	0,883799079	---	
17205149	5,625706	5,591362	5,556663	5,620656	5,817466	4,800998	5,5912437	5,41304	-0,17820367	0,883802755	---	
17209339	5,625706	5,591362	5,556663	5,620656	5,817466	4,800998	5,5912437	5,41304	-0,17820367	0,883802755	---	
17323548	8,513686	8,357272	8,204874	8,163683	8,093009	8,284732	8,3586107	8,180474667	-0,178136	0,883844209	Smpd4	
17374283	8,041901	8,158717	8,01326	7,770472	7,878474	8,030535	8,0712927	7,893160333	-0,17813233	0,883846455	2410042D21Rik	
17481342	4,604782	4,471068	4,14194	4,078742	4,266541	4,338115	4,40593	4,227799333	-0,17813067	0,883847476	Olfr669	
17326062	4,868458	4,69086	4,587689	4,672152	4,559196	4,38131	4,715669	4,537552667	-0,17811633	0,883856257	Retnlb	
17240027	7,523446	7,665862	7,483656	7,387686	7,293879	7,457062	7,5576547	7,379542333	-0,17811233	0,883858708	Trmt11	
17549050	3,810043	3,999223	4,117427	3,868335	3,871459	3,652626	3,9755643	3,797473333	-0,178091	0,883871778	---	
17549056	3,810043	3,999223	4,117427	3,868335	3,871459	3,652626	3,9755643	3,797473333	-0,178091	0,883871778	---	
17475431	4,762717	4,841825	4,844714	4,632284	4,769842	4,512879	4,8164187	4,638335	-0,17808367	0,883876271	Nlrp9a	
17370897	7,572131	7,26043	7,320971	7,239713	7,272858	7,106712	7,3845107	7,206427667	-0,178083	0,883876679	Gpd2	
17462889	5,849245	6,127069	5,886458	5,612046	5,814618	5,902028	5,9542573	5,776230667	-0,17802667	0,883911193	C1s // C1s	
17388010	4,737496	4,40819	4,246313	4,383202	4,293276	4,181446	4,4639997	4,285974667	-0,178025	0,883912214	Olfr1264	
17550737	3,73133	3,335147	3,322506	3,335147	3,302498	3,217331	3,4629943	3,284992	-0,17800233	0,883926101	---	
17371993	5,653716	5,311161	5,736159	5,60195	5,323779	5,241523	5,567012	5,389084	-0,177928	0,883971646	Gpr155	
17372354	7,463636	7,401459	7,358298	7,324635	7,174704	7,190442	7,4077977	7,229927	-0,17787067	0,884006776	Ssfa2	
17266335	8,154255	8,321173	8,195642	8,171887	7,937008	8,028579	8,22369	8,045824667	-0,17786533	0,884010044	Traf4	
17330046	7,337005	7,179594	7,146671	6,990161	7,107797	7,031756	7,22109	7,043238	-0,177852	0,884018214	Sec22a	
17211517	4,135228	4,002962	3,795509	3,759966	3,655677	3,984574	3,9778997	3,800072333	-0,17782733	0,884033329	---	

17279553	6,143639	6,47718	6,418249	6,04059	6,15736	6,307692	6,346356	6,168547333	-0,17780867	0,884044767	Zfp386 // Zfp386
17240098	4,357758	4,571842	4,028376	4,272973	4,133554	4,018087	4,3193253	4,141538	-0,17778733	0,88405784	Gm3258
17210061	5,030793	5,008187	4,860856	4,733076	5,462831	4,170576	4,966612	4,788827667	-0,17778433	0,884059678	---
17465733	4,494851	4,312421	4,529715	4,224736	4,392015	4,187076	4,4456623	4,267942333	-0,17772	0,884099101	Npn2
17389117	3,708953	3,493595	3,667752	3,391705	3,433491	3,51196	3,6234333	3,445718667	-0,17771467	0,88410237	---
17450979	7,60159	7,711641	7,462678	7,41026	7,505105	7,327421	7,5919697	7,414262	-0,17770767	0,884106659	Pgam5
17423207	5,750117	5,359838	5,135121	6,045808	4,990574	4,67558	5,4150253	5,237320667	-0,17770467	0,884108498	Mir3471-1 // Mir3471-1
17201115	6,85242	7,191585	6,9408	6,798733	6,646734	7,00645	6,994935	6,817305667	-0,17762933	0,884154665	---
17414649	4,840115	4,596787	4,810887	4,801942	4,405222	4,507859	4,749263	4,571674333	-0,17758867	0,884179588	---
17487078	3,467009	3,08166	3,485206	3,002371	3,14904	3,349746	3,344625	3,167052333	-0,17757267	0,884189394	Psg23
17549090	3,599174	3,263715	3,231808	3,281502	3,200428	3,080063	3,364899	3,187331	-0,177568	0,884192254	---
17383588	8,15663	8,316304	8,503572	8,47757	8,03554	7,930724	8,325502	8,147944667	-0,17755733	0,884198791	Ccbl1
17249256	3,84539	3,317113	3,485844	3,395722	3,083596	3,636362	3,549449	3,371893333	-0,17755567	0,884199812	Olfr51
17421394	8,88271	9,435926	8,9277	8,736118	8,892862	9,084887	9,082112	8,904622333	-0,17748967	0,884240263	Gm13034
17204035	4,559132	5,175706	3,796094	4,586312	4,628913	3,783264	4,5103107	4,332829667	-0,177481	0,884245575	---
17446539	8,393688	8,505697	8,454851	8,321917	8,176465	8,323481	8,451412	8,273954333	-0,17745767	0,884259877	Paxip1
17210755	3,785306	4,828513	4,290172	3,987154	4,122902	4,261586	4,3013303	4,123880667	-0,17744967	0,88426478	---
17431282	5,11162	5,018207	5,288455	5,237725	4,908519	4,739828	5,1394273	4,962024	-0,17740333	0,884293179	Extl1
17225189	5,723059	5,392612	5,320955	5,384523	5,321029	5,198881	5,4788753	5,301477667	-0,17739767	0,884296653	---
17379126	4,523226	4,385716	3,983934	3,910301	4,168506	4,281879	4,2976253	4,120228667	-0,17739667	0,884297266	---
17514343	12,26462	12,27012	11,83623	12,04024	11,89149	11,90708	12,123657	11,94627	-0,17738667	0,884303395	---
17272810	5,616483	5,629804	5,628778	5,529424	5,419861	5,393624	5,6250217	5,447636333	-0,17738533	0,884304213	C1qtnf1
17409502	5,014939	4,291369	4,121709	4,264283	3,972746	4,658965	4,4760057	4,298664667	-0,177341	0,884331387	Amy2b
17221265	9,315577	9,098089	9,448505	9,227267	8,799892	9,303069	9,2873903	9,110076	-0,17731433	0,884347733	---
17206883	6,662459	6,899187	6,193102	6,770205	6,543443	5,909294	6,584916	6,407647333	-0,17726867	0,884375727	---
17546905	3,585644	3,453224	4,305694	3,614443	3,716854	3,48152	3,7815207	3,604272333	-0,17724833	0,884388191	Zfy2
17405838	5,753437	5,790896	5,555936	5,581165	5,462496	5,524891	5,7000897	5,522850667	-0,177239	0,884393913	Gm6634
17435114	9,489729	10,2797	9,899643	9,709744	9,554456	9,87324	9,8896907	9,71248	-0,17721067	0,884411282	---
17250028	6,092997	6,39701	6,047903	5,762773	6,107048	6,136504	6,1793033	6,002108333	-0,177195	0,884420886	Sh3bp5l
17454428	6,964754	6,828419	7,149736	6,621175	6,821681	6,968533	6,9809697	6,803796333	-0,17717333	0,884434168	Micall2
17289455	6,445514	6,268492	5,840594	5,81871	5,981881	6,222779	6,1848667	6,00779	-0,17707667	0,884493431	Serf1
17535206	3,251248	3,182099	3,264307	3,052545	3,104778	3,009116	3,2325513	3,055479667	-0,17707167	0,884496496	---
17480214	4,091672	3,77229	3,93647	3,361973	3,765092	4,142239	3,9334773	3,756434667	-0,17704267	0,884514276	---
17235399	5,897525	5,802545	5,965123	5,633922	5,702591	5,797562	5,8883977	5,711358333	-0,17703933	0,88451632	Izumo4
17370951	4,782103	4,283991	4,391096	4,228786	4,54597	4,151374	4,48573	4,30871	-0,17702	0,884528173	---
17269333	5,63082	5,024252	5,611462	5,200372	4,948236	5,587029	5,422178	5,245212333	-0,17696567	0,884561486	Krt36
17317428	3,841821	3,895814	4,173196	3,749552	3,685792	3,944605	3,970277	3,793316333	-0,17696067	0,884564552	Gsdmc
17449546	9,423162	9,394867	9,451257	8,776505	9,622397	9,339527	9,4230953	9,246143	-0,17695233	0,884569661	---
17214593	5,950639	6,116887	6,144707	5,964138	5,697486	6,019779	6,0707443	5,893801	-0,17694333	0,884575179	Stk11ip
17201049	7,423147	7,825084	7,575734	6,892962	7,496015	7,90427	7,6079883	7,431082333	-0,176906	0,88459807	---
17504452	3,128474	3,047415	3,130972	2,994547	2,883324	2,898337	3,102287	2,925402667	-0,17688433	0,884611355	---
17518134	5,168781	5,09831	5,267727	5,025366	5,01173	4,967106	5,1782727	5,001400667	-0,176872	0,884618918	Gm5122
17445440	4,060609	4,216368	4,061248	3,991263	3,870704	3,945813	4,1127417	3,935926667	-0,176815	0,884653869	Steap1
17238525	4,99402	5,109987	5,378835	4,991636	5,043752	4,917022	5,1609473	4,984136667	-0,17681067	0,884656526	---
17513401	5,646611	5,500098	5,951419	5,579756	5,333867	5,654107	5,699376	5,522576667	-0,17679933	0,884663476	Slc38a8
17434163	3,657161	3,376289	3,879199	4,000346	3,099987	3,281954	3,6375497	3,460762333	-0,17678733	0,884670834	---
17545514	4,986216	3,650762	3,923706	4,070681	3,690002	4,269691	4,1868947	4,010124667	-0,17677	0,884681463	---
17532799	4,896333	4,554817	4,849745	4,609523	4,641033	4,520111	4,766965	4,590222333	-0,17674267	0,884698225	Gm14379
17391285	4,332275	4,29332	4,173518	3,913196	4,288649	4,067469	4,266371	4,089771333	-0,17659967	0,88478592	---
17266372	10,24765	10,40298	10,42465	10,15483	10,35228	10,03843	10,358427	10,18184667	-0,17658	0,884797982	Snord42b
17230918	8,827437	8,977194	8,983122	8,533682	8,819525	8,904811	8,929251	8,752672667	-0,17657833	0,884799004	Cenpf
17201609	6,833166	7,301723	7,518497	6,828942	7,151995	7,142737	7,2177953	7,041224667	-0,17657067	0,884803706	---
17366448	5,424756	5,31911	5,180805	5,30949	5,041214	5,044273	5,3082237	5,131659	-0,17656467	0,884807386	Gm13180 // Gm13180
17318695	6,941513	7,175143	7,056624	6,742159	6,874235	7,027269	7,05776	6,881221	-0,176539	0,884823127	Lrrc24
17548000	9,337912	9,34256	9,372522	9,066919	9,240345	9,216242	9,350998	9,174502	-0,176496	0,8848495	Tubb5 // Tubb5
17240834	6,353376	6,212544	6,180399	6,3038	5,682182	6,230877	6,248773	6,072286333	-0,17648667	0,884855225	---
17547279	3,642535	4,107462	3,566132	3,536207	3,894553	3,356113	3,772043	3,595624333	-0,17641867	0,884896932	---
17547398	3,642535	4,107462	3,566132	3,536207	3,894553	3,356113	3,772043	3,595624333	-0,17641867	0,884896932	---
17547439	3,642535	4,107462	3,566132	3,536207	3,894553	3,356113	3,772043	3,595624333	-0,17641867	0,884896932	---
17547452	3,642535	4,107462	3,566132	3,536207	3,894553	3,356113	3,772043	3,595624333	-0,17641867	0,884896932	---
17547460	3,642535	4,107462	3,566132	3,536207	3,894553	3,356113	3,772043	3,595624333	-0,17641867	0,884896932	---
17200525	3,893417	3,208255	3,435014	3,571307	3,174906	3,261251	3,5122287	3,335821333	-0,17640733	0,884903884	---
17336894	4,959665	4,878897	4,744984	4,597453	4,662973	4,793962	4,861182	4,684796	-0,176386	0,884916969	---
17288252	3,211997	3,279294	3,374575	3,244362	3,213019	2,879363	3,288622	3,112248	-0,176374	0,88492433	---
17547519	4,641517	4,927535	4,696977	4,481832	4,589214	4,665867	4,755343	4,578971	-0,176372	0,884925556	Tbc1d15 // Tbc1d15
17542749	3,292909	3,431227	3,393883	3,122888	3,441432	3,024604	3,372673	3,196308	-0,176365	0,88492985	---
17299867	5,170581	5,266846	5,298055	5,063916	4,925414	5,217095	5,2451607	5,068808333	-0,17635233	0,88493762	---
17299944	5,170581	5,266846	5,298055	5,063916	4,925414	5,217095	5,2451607	5,068808333	-0,17635233	0,88493762	---
17205159	3,653863	3,870665	3,818146	3,712658	3,546508	3,554459	3,7808913	3,604541667	-0,17634967	0,884939255	---
17209349	3,653863	3,870665	3,818146	3,712658	3,546508	3,554459	3,7808913	3,604541667	-0,17634967	0,884939255	---
17471151	5,045836	4,937795	4,848103	4,677123	4,662756	4,962809	4,9439113	4,767562667	-0,17634867	0,884939869	Kcna5
17351833	12,35736	12,67105	12,47452	12,2255	12,35872	12,38968	12,500977	12,32463333	-0,17634333	0,88494314	---
17380366	8,108528	7,762789	7,964787	7,87538	7,79055	7,641152	7,945368	7,769027333	-0,17634067	0,884944776	Atp5e // Atp5e
17221012	3,747051	3,634945	3,468966	3,5062	3,461658	3,354113	3,6169873	3,440657	-0,17633033	0,884951114	---
17517282	3,964119	3,825051	4,422942	3,95387	3,888412	3,840919	4,070704	3,894400333	-0,17630367	0,884967472	---
17393876	5,418561	5,790306	5,547404	5,382909	5,256672	5,587928	5,5854237	5,409169667	-0,176254	0,884997939	LOC100861957
17230005	4,124928	4,741741	4,275998	3,985941	4,534462	4,093511	4,380889	4,204638	-0,176251	0,884999779	---
17365331	5,531032	5,434088	5,707367	5,281135	5,45143	5,411285	5,5574957	5,381283333	-0,17621233	0,885023499	Pitx3
17308827	4,746566	3,98011	4,271741	4,253533	3,965218	4,25111	4,3328057	4,156620333	-0,17618533	0,885040062	---
17444682	4,434234	4,946376	4,885776	4,815426	4,465626	4,456782	4,755462	4,579278	-0,176184	0,88504088	Cyp3a57
17353054	4,292213	3,937808	4,058608	3,952039	3,931762	3,876434	4,0962097	3,920078333	-0,17613133	0,88507319	4921528I01Rik
17226748	5,41297	4,930179	5,222386	5,185524	4,810135	5,041516	5,1885117	5,012391667	-0,17612	0,885080143	---
17549576	5,535881	5,392004	5,665767	5,499421	5,470362	5,095649	5,5312173	5,355144	-0,17607333	0,885108773	---
17409617	7,235425	7,38869	7,203094	6,806126	7,243382	7,249507	7,2757363	7,099671667	-0,17606467	0,88511409	Gm19420
17466932	4,891634	5,281657	4,937104	4,782192	4,670667	5,129358	5,0367983	4,860739	-0,17605933	0,885117362	Tril
17206303	6,978487	7,203485	6,791721	6,970056	6,587645	6,887821	6,991231	6,815174	-0,176057	0,885118793	---
17206041	5,231722	5,451163	5,379026	5,20079	5,123108	5,209871	5,3539703	5,177923	-0,17604733	0,885124724	---
17206787	4,210738	3,153102	4,794018	3,494044	4,000248	4,13544	4,0526193	3,876577333	-0,176042	0,885127996	---
17330158	4,815865	5,287253	5,231823	4,816784	4,982092	5,008061	5,111647	4,935645667	-0,17600133	0,885152947	---
17311492	6,864905	6,903442	6,650452	6,446014	6,714283	6,730542	6,8062663	6,630279667	-0,17598667	0,885161945	Med30
17328104	5,930585	6,172267	6,05336	5,869195	5,890628	5,868517	6,0520707	5,876113333	-0,17595733	0,885179943	Socs1
17408856	8,487388	8,562686	8,264799	8,207397	8,157344	8,422268	8,438291	8,262336333	-0,17595467	0,885181579	I830077J02Rik
17200415	6,355897	6,958729	6,502729	6,859502	6,316919	6,113251	6,605785	6,429890667	-0,17589433	0,885218598	---
17201861	6,387781	6,709656	6,930348	6,309043	6,803337	6,387781	6,6759283	6,500053667	-0,17587467	0,885230665	---
17491896	4,94686	4,699356	4,246411	4,472649	4,496044	4,396337	4,6308757	4,45501	-0,17586567	0,885236188	---
17535434	11,13737	11,08006	11,03513	11,0647	10,68566	10,97487	11,084187	10,90841	-0,17577667	0,8852908	Nsdhl
17532619	12,14973	12,47605	12,26405	12,13455	12,0148	12,21315	12,29661	12,12083333	-0,17577667	0,8852908	---
17550564	12,14973	12,47605	12,26405	12,13455	12,0148	12,21315	12,29661	12,12083333	-0,17577667	0,8852908	---
17406752	8,077615	8,101212	8,0419	7,96936	7,856843	7,867201	8,0735757	7,897801333	-0,17577433	0,885292231	Slc25a44
17380082	3,988723	3,467055	3,606557	3,452002	3,787969	3,295093	3,687445	3,511688	-0,175757	0,885302868	1700007M16Rik // 1700007M16Rik
17331876	3,529584	3,788968	3,50721	3,391418	3,501116	3,405965	3,6085873	3,432833	-0,17575433	0,885304504	Krtap8-2
17516408	3,516971	3,159378	3,280236	3,06057	3,211371	3,157429	3,3188617	3,143123333	-0,17573833	0,885314323	Mir100
17383832	5,823528	6,027375	5,940627	5,586545	5,565091	6,112745	5,93051	5,754793667	-0,17571633	0,885327823	Prrc2b // Prrc2b
17438920	10,99888	10,94392	10,83289	10,74198	10,6699	10,83691	10,92523	10,74959667	-0,17563333	0,885378759	Afm
17429581	4,14892	4,217029	4,312816	4,383748	3,870173	3,897973	4,226255	4,050631333	-0,17562367	0,885384691	Gm12888
17357715	5,241523	5,203991	5,033045	5,047139	4,835312	5,069285	5,1595197	4,983912	-0,17560767	0,88539451	---
17438599	3,722773	3,213799	3,632053	3,270565	3,342182	3,429321	3,522875	3,347356	-0,175519	0,885448927	---
17200055	4,789452	5,489507	6,156971	5,663316	5,145658	5,10048	5,4786433	5,303151333	-0,175492	0,885465499	---
17440350	4,054818	5,06564	4,754067	5,060863	4,264306	4,033913	4,6285083	4,453027333	-0,175481	0,88547225	Zfp932
17480489	6,400346	6,225543	6,497097	6,227038	6,259494	6,11012	6,3743287	6,198884	-0,17544467	0,88549455	---
17468879	7,200871	6,983435	7,039664	6,831267	6,932633	6,933776	7,0746567	6,899225333	-0,17543133	0,885502734	Vmn1r43
17403514	8,65747	8,72687	8,711512	8,385826	8,645002	8,538829	8,6986173	8,523219	-0,17539833	0,885522989	Ssx2ip
17211367	4,917627	4,920765	5,102425	4,838139	4,902092	4,674488	4,9802723	4,804906333	-0,175366	0,885542836	Mir133b
17547515	3,671961	3,789248	3,863363	3,441525	3,509029	3,847943	3,7748573	3,599499	-0,17535833	0,885547541	Gm19894
17337063	7,807416	8,240562	7,965617	7,827136	7,76504	7,895346	8,0045317	7,829174	-0,17535767	0,885547951	---
17283685	6,763031	6,706513	6,857826	6,65881	6,549175	6,593369	6,77579	6,600451333	-0,17533867	0,885559613	Gsc
17405746	8,50588	8,488262	8,309988	8,066347	8,260586	8,451288	8,43471	8,259407	-0,175303	0,885581507	Rarres1
17479301	4,730899	4,168875	4,237264	4,392206	3,802063	4,416893	4,3790127	4,203720667	-0,175292	0,885588259	Mir7-2
17487752	5,232764	4,776188	4,929799	4,823058	4,731617	4,858307	4,9795837	4,804327333	-0,17525633	0,885610153	Gm4763
17496857	6,58328	6,254894	6,516346	6,07995	6,43419	6,31476	6,4515067	6,2763	-0,17520667	0,885640642	Cox6a2
17208903	4,13967	3,186575	3,382055	3,512772	3,080678	3,589434	3,5694333	3,394294667	-0,17513867	0,885682386	---
17306865	10,06516	9,901811	10,12537	10,07652	9,51263	9,977787	10,03078	9,855645667	-0,17513467	0,885684842	---
17547468	3,175944	3,855273	3,300228	2,904571	3,977901	2,923788	3,443815	3,268753333	-0,17506167	0,885729659	1700040F15Rik
17460360	4,541442	4,458432	4,827455	4,288993	4,613148	4,400052	4,6091097	4,434064333	-0,17504533	0,885739686	Figla
17472345	3,48862	3,375644	4,022563	3,421115	3,497154	3,443514	3,6289423	3,453927667	-0,17501467	0,885758514	Gm5724
17471480	5,381207	5,448782	5,414264	5,028855	5,488585	5,201846	5,414751	5,239762	-0,174989	0,885774273	Gm15987
17515019	6,268147	6,336852	6,364798	6,730544	5,787012	5,927279	6,3232657	6,148278333	-0,17498733	0,885775296	Pin1
17358962	9,2284	9,44782	9,2869	9,189356	9,124368	9,124441	9,32104	9,146055	-0,174985	0,885776729	Btaf1
17424937	8,583795	8,300071	8,285293	8,018566	8,193117	8,432944	8,3897197	8,214875667	-0,174844	0,885863303	Exosc3
17292960	5,098827	4,915617	4,988389	4,686458	4,88191	4,909997	5,0009443	4,826121667	-0,17482267	0,885876403	---
17314115	6,035811	6,289405	6,952785	6,388231	6,137686	6,227781	6,4260003	6,251232667	-0,17476767	0,885910176	Adm2
17321966	6,183142	6,061227	6,493142	6,151911	6,01424	6,047256	6,245837	6,071135667	-0,17470133	0,88595091	Krt5
17248971	5,431743	4,987889	5,040439	4,785855	5,267506	4,882616	5,153357	4,978659	-0,174698	0,885952957	Olfr1388
17421145	4,658448	4,496103	5,106596	4,462166	4,909551	4,365451	4,7537157	4,579056	-0,17465967	0,885976497	LOC545691

17309661	3,983932	4,169708	4,148743	3,749012	4,00086	4,028571	4,1007943	3,926147667	-0,17464667	0,885984481	1700108J01Rik	
17499736	4,695477	4,428317	4,745539	4,381191	4,478665	4,485538	4,623111	4,448464667	-0,17464633	0,885984685	Defa25	
17267466	4,98429	5,07939	4,842601	4,751093	4,836855	4,794441	4,9687603	4,794129667	-0,17463067	0,885994307	Fam33a	
17344833	4,690381	4,559931	4,91339	4,546323	4,464108	4,629379	4,721234	4,546603333	-0,17463067	0,885994307	Olfr91	
17330850	7,455908	6,796813	7,394002	7,087481	7,068928	6,966442	7,2155743	7,040950333	-0,174624	0,885998401	---	
17454049	8,141134	8,509303	8,44535	8,234313	8,152131	8,185493	8,3652623	8,190645667	-0,17461667	0,886002904	Gnb2	
17549494	7,224999	7,296288	7,238346	7,013502	6,759871	7,462433	7,253211	7,078602	-0,174609	0,886007613	---	
17544164	6,47661	6,24822	5,845549	6,154352	5,847148	6,045073	6,1901263	6,015524333	-0,174602	0,886011912	Rps6ka6	
17245895	8,127379	8,173444	8,050527	7,815945	7,890099	8,121542	8,1171167	7,942528667	-0,174588	0,88602051	Inhbc	
17460756	4,147254	3,952017	3,724356	3,651848	3,779847	3,868312	3,941209	3,766669	-0,17454	0,886049989	Vmn1r46	
17491564	6,853848	6,670741	6,993413	6,682031	6,611066	6,701427	6,839334	6,664841333	-0,17449267	0,88607906	---	
17286278	4,334822	4,016747	4,119738	4,083702	3,856668	4,00756	4,1571023	3,982643333	-0,174459	0,886099738	4930519D14Rik	
17350801	4,521317	3,991451	4,46174	4,253257	4,023402	4,174516	4,324836	4,150391667	-0,17444433	0,886108746	Gm19500	
17203773	5,393953	5,203255	4,718209	5,043461	4,496231	5,252637	5,105139	4,930776333	-0,17436267	0,886158907	---	
17483192	5,521259	4,855196	5,021746	4,747772	4,925206	5,202365	5,1327337	4,958447667	-0,174286	0,886206	Sez6l2	
17549538	6,681762	6,813325	6,877746	6,539443	6,550955	6,759631	6,7909443	6,616676333	-0,174268	0,886217057	---	
17549690	6,681762	6,813325	6,877746	6,539443	6,550955	6,759631	6,7909443	6,616676333	-0,174268	0,886217057	---	
17537507	5,336461	6,259987	5,708618	5,674818	5,417254	5,690221	5,7683553	5,594097667	-0,17425767	0,886223405	---	
17296080	5,280529	5,157809	4,854395	4,74478	4,97692	5,048358	5,0975777	4,923352667	-0,174225	0,886243472	---	
17315946	8,673283	8,835344	8,632152	8,490085	8,524465	8,603554	8,713593	8,539368	-0,174225	0,886243472	Dnajc21	
17341987	7,678583	7,891631	7,739144	7,621827	7,592855	7,572118	7,769786	7,5956	-0,174186	0,886267429	Gfer	
17206347	4,629065	5,470372	4,355717	5,264641	4,126224	4,541845	4,8183847	4,644236667	-0,174148	0,886290774	---	
17204787	3,818609	4,114026	3,92459	4,056997	3,611327	3,66646	3,9524083	3,778261333	-0,174147	0,886291388	---	
17291078	3,858147	3,408237	3,175794	3,145702	3,546317	3,227767	3,480726	3,306595333	-0,17413067	0,886301422	---	
17306866	8,130165	7,243382	7,829861	6,957011	7,785364	7,93874	7,7344693	7,560371667	-0,17409767	0,886321696	---	
17431476	2,899583	3,018115	2,991851	2,821094	2,755379	2,810837	2,9698497	2,79577	-0,17407967	0,886332754	---	
17370273	7,827816	7,806613	7,807328	7,554193	7,645596	7,719758	7,8139119	7,639849	-0,17407	0,886338693	Ndufa8 // Ndufa8	
17318140	6,456769	6,208491	6,147738	5,899375	6,231419	6,160159	6,2709993	6,096984333	-0,174015	0,886372483	---	
17370376	5,372604	5,088458	4,959506	5,29983	4,785748	4,813028	5,1401893	4,966202	-0,17398733	0,886389482	Olfr368	
17209921	4,896333	4,483787	5,360408	4,690091	4,488058	5,040438	4,9135093	4,739529	-0,17398033	0,886393782	---	
17402013	4,570077	4,417921	4,493655	4,514464	4,220572	4,224689	4,4938843	4,319908333	-0,173976	0,886396445	---	
17335330	10,85315	10,84292	10,86721	10,68417	10,70965	10,64764	10,854427	10,68048667	-0,17394	0,886418564	Rpl10a	
17402477	3,2868	3,104118	3,297086	2,913646	3,196705	3,1559	3,262668	3,088750333	-0,17391767	0,886432286	Mir302c	
17514826	6,10608	6,245605	6,404125	6,122519	6,158935	5,95262	6,2519367	6,078024667	-0,173912	0,886435767	Taf1d	
17333731	7,859511	8,071594	7,84924	7,758098	7,881473	7,619071	7,9267817	7,752880667	-0,173901	0,886442526	Fpr2	
17403811	5,460131	5,408662	5,196669	5,236531	5,124563	5,1827	5,355154	5,181264667	-0,17388933	0,886449695	Lrriq3	
17415424	4,076686	3,814821	3,897717	3,82786	3,749605	3,690213	3,9297413	3,755892667	-0,17384867	0,886474682	---	
17387626	3,826098	3,330803	3,890741	3,441332	3,581354	3,503466	3,6825473	3,508717333	-0,17383	0,886486152	---	
17417569	5,60751	5,247183	5,496861	5,458862	5,09602	5,275209	5,450518	5,276697	-0,173821	0,886491682	---	
17402979	4,936219	5,004853	4,877025	4,586586	4,732338	4,977785	4,9393657	4,765569667	-0,173796	0,886507044	---	
17504374	7,851731	7,836227	8,036501	7,790193	7,707672	7,705206	7,908153	7,734357	-0,173796	0,886507044	---	
17532649	11,10381	11,58822	11,40783	11,30192	11,18703	11,08972	11,36662	11,19289	-0,17373	0,886547601	---	
17206929	6,164065	5,796471	6,505086	5,724298	5,857356	6,362843	6,1552073	5,981499	-0,17370833	0,886560915	---	
17549362	6,00864	5,641753	5,505424	5,414562	5,639675	5,58046	5,7186057	5,544899	-0,17370667	0,886561939	---	
17549754	6,00864	5,641753	5,505424	5,414562	5,639675	5,58046	5,7186057	5,544899	-0,17370667	0,886561939	---	
17429918	4,199048	4,096483	4,386205	4,028535	4,134376	3,99777	4,2272453	4,053560333	-0,173685	0,886575254	---	
17401883	2,712228	3,023008	2,948605	2,720371	2,732012	2,710436	2,8946137	2,720939667	-0,173674	0,886582014	---	
17294135	7,42153	7,03129	6,904232	6,971468	6,838615	7,025962	7,1190173	6,945348333	-0,173669	0,886585087	Srd5a1	
17338612	4,646601	4,869072	4,959244	4,663422	4,834659	4,45592	4,8249723	4,651333667	-0,17363867	0,886603728	4930571B16Rik // 4930571B16Rik	
17314693	8,108424	8,172525	8,147136	7,933273	8,005542	7,968363	8,142695	7,969059333	-0,17363567	0,886605571	Tuba1c	
17405082	4,259322	4,179165	4,36597	3,932727	4,380196	3,970832	4,2681523	4,094585	-0,17356733	0,886647566	Slc7a11	
17461153	6,939476	7,319808	7,843928	7,145266	7,184805	7,25246	7,3677373	7,194177	-0,17356033	0,886651868	---	
17377324	6,90314	6,659048	6,994998	6,796535	6,629674	6,610355	6,8523953	6,678854667	-0,17354067	0,886663955	---	
17415428	4,608452	4,707559	4,484348	4,367893	4,490787	4,421266	4,6001197	4,426648667	-0,173471	0,886706773	---	
17538186	4,354065	4,340115	4,487884	3,994626	4,340647	4,326405	4,3940213	4,220559333	-0,173462	0,886712304	---	
17549262	4,651635	4,43138	5,032897	4,595876	4,5014	4,49834	4,705304	4,531872	-0,173432	0,886730743	---	
17549302	4,651635	4,43138	5,032897	4,595876	4,5014	4,49834	4,705304	4,531872	-0,173432	0,886730743	---	
17319226	5,244071	5,19593	5,270024	5,006214	5,019884	5,163761	5,236675	5,063286333	-0,17338867	0,886757378	Kcnj4	
17487149	8,587277	8,696862	8,83314	8,498394	8,559403	8,539323	8,7057597	8,532373333	-0,17338633	0,886758812	Foxa3	
17450328	5,278974	4,953372	5,210009	4,869408	4,948623	5,104248	5,1474517	4,974093	-0,17335867	0,886775817	1700016H13Rik	
17535048	4,042289	4,095173	4,022955	3,684284	3,904351	4,051762	4,0534723	3,880132333	-0,17334	0,886787291	Cd40lg	
17414318	4,884538	4,763885	4,91426	4,587752	4,628714	4,82625	4,8542277	4,680905333	-0,17332233	0,886798151	Gm12511	
17295027	5,251141	4,942093	5,019656	4,899484	4,841876	4,951584	5,0709633	4,897648	-0,17331533	0,886802453	AW495222	
17206249	5,066683	4,94703	5,758187	5,60957	4,898898	4,743652	5,2573	5,08404	-0,17326	0,886836467	---	
17456485	8,932693	9,258755	9,218317	8,857075	8,936319	9,096658	9,1365883	8,963350667	-0,17323767	0,886850195	Arf5	
17463611	7,794777	7,579607	7,476261	7,276146	7,231954	7,822857	7,6168817	7,443652333	-0,17322933	0,886855318	Prh1	
17447098	9,294074	9,511181	9,395665	9,226116	9,398713	9,056458	9,4003067	9,227095667	-0,173211	0,886866588	---	
17286695	5,156888	5,081596	4,917167	5,182909	4,753992	4,699308	5,0518837	4,878736333	-0,17314733	0,886905726	5033403F01Rik	
17359956	7,793474	7,892928	8,146467	7,985966	7,828804	7,498691	7,9442897	7,771153667	-0,173136	0,886912694	---	
17332251	4,732521	4,749208	4,378777	4,348607	4,604757	4,387751	4,6201687	4,447038333	-0,17313033	0,886916177	1810053B23Rik	
17331585	3,896925	4,293172	4,244824	3,953304	4,060244	3,901982	4,1449737	3,971843333	-0,17313033	0,886916177	E330011O21Rik	
17430960	5,659574	5,895952	6,106208	5,723988	5,635484	5,782894	5,8872447	5,714122	-0,17312267	0,886920891	---	
17277801	5,57336	5,811692	5,420127	5,377618	5,47399	5,434269	5,6017263	5,428625667	-0,17310067	0,886934416	Spata7	
17208149	4,575756	5,328951	4,053812	3,892632	4,653107	4,893557	4,6528397	4,479765333	-0,17307433	0,886950605	---	
17227464	5,730855	5,767102	5,903564	5,625948	5,62629	5,6301	5,800507	5,627446	-0,173061	0,886958802	5730559C18Rik	
17357928	4,208111	3,672313	3,681837	3,645676	3,650935	3,746496	3,854087	3,681035667	-0,17305133	0,886964745	Olfr1484	
17549194	3,46856	3,409804	3,478467	3,301931	3,231009	3,304806	3,452277	3,279248667	-0,17302833	0,886978885	---	
17205295	3,294092	3,243041	4,182651	3,463586	3,214686	3,52258	3,5732613	3,400284	-0,17297733	0,887010241	---	
17209485	3,294092	3,243041	4,182651	3,463586	3,214686	3,52258	3,5732613	3,400284	-0,17297733	0,887010241	---	
17363407	11,92253	11,94529	11,93069	11,75715	11,80918	11,71331	11,932837	11,75988	-0,17295667	0,887022948	Anxa1	
17331173	8,14867	8,166647	8,156138	8,090618	7,902203	7,960043	8,1571517	7,984288	-0,17286367	0,887080129	St3gal6	
17466303	3,531312	3,929382	3,761862	3,570504	3,673548	3,459918	3,740852	3,56799	-0,172862	0,887081154	Prss3	
17258555	4,876676	4,626969	4,960115	4,384048	4,927119	4,634222	4,8212533	4,648463	-0,17279033	0,887125222	Cdk3-ps	
17211857	5,463519	4,855729	5,502817	5,273487	5,186327	4,84394	5,2740217	5,101251333	-0,17277033	0,88713752	4933424G06Rik	
17536165	5,548048	5,691279	5,47075	5,381523	5,420897	5,389396	5,5700257	5,397272	-0,17275367	0,887147768	1600014K23Rik	
17305556	3,545016	3,338943	3,180454	3,222989	3,131724	3,191447	3,3548043	3,182053333	-0,172751	0,887149408	---	
17414747	4,75647	4,576856	4,803207	4,320838	4,50359	4,794018	4,7121777	4,539482	-0,17269567	0,887183435	Orm2	
17204561	3,96525	3,994832	3,720061	3,583635	3,651848	3,926619	3,893381	3,720700667	-0,17268033	0,887192864	---	
17487982	9,20585	9,165661	9,364203	9,136271	9,128421	8,952995	9,245238	9,072562333	-0,17267567	0,887195734	Bckdha	
17275686	3,555307	3,29844	3,311032	3,21854	3,202862	3,22548	3,3882597	3,215627333	-0,17263233	0,887222382	---	
17479142	4,654447	4,667248	4,732617	4,500086	4,507906	4,528467	4,6847707	4,512153	-0,17261767	0,887231402	Gm5334	
17236049	4,939436	4,798913	4,990026	4,628157	4,772622	4,809748	4,9094583	4,736842333	-0,172616	0,887232427	Rfx4	
17299983	6,633845	5,994515	6,026031	5,95597	5,97799	6,202598	6,2181303	6,045519333	-0,172611	0,887235502	---	
17431907	6,167366	5,647555	6,08698	5,887858	5,599207	5,897229	5,9673003	5,794764667	-0,17253567	0,887281832	---	
17210481	5,367812	4,541869	5,46536	5,069232	4,627578	5,160755	5,1250137	4,952521667	-0,172492	0,887308688	---	
17495368	6,9893	7,239315	6,573627	6,549759	6,954957	6,780083	6,9340807	6,761599667	-0,172481	0,887315454	Nup35 // Nup35	
17544290	3,347197	3,61103	3,923209	3,171738	3,838924	3,353367	3,6271453	3,454676333	-0,172469	0,887322834	---	
17332656	7,073098	7,414119	6,996484	7,068117	6,662851	7,235381	7,1612337	6,988783	-0,17245067	0,88733411	A630089N07Rik // A630089N07Rik	
17523676	6,515557	6,79961	6,98759	6,377287	6,458349	6,949972	6,7675857	6,595202667	-0,172383	0,88737573	---	
17423939	4,214012	4,352835	4,093843	3,939409	4,144628	4,059531	4,22023	4,047856	-0,172374	0,887381265	Lingo2	
17345007	4,811391	4,86139	4,781276	4,977238	4,309659	4,650121	4,818019	4,645672667	-0,17234633	0,887398283	Opn5	
17311094	3,492445	3,84645	3,499101	3,500491	3,353998	3,466714	3,6126653	3,440401	-0,17226433	0,887448722	---	
17344336	8,61407	8,705056	8,729751	8,574056	8,434677	8,523477	8,682959	8,510736667	-0,17222233	0,887474558	Tcf19	
17279582	2,890514	3,087593	3,203526	2,709239	3,111972	2,84385	3,0605443	2,888353667	-0,17219067	0,887494038	---	
17378348	7,658419	7,539878	7,663597	7,469845	7,442427	7,433061	7,6206313	7,448444333	-0,172187	0,887496294	Trp53inp2	
17274247	10,13237	10,23701	9,913334	9,674345	9,997278	10,09457	10,094238	9,922064333	-0,17217367	0,887504496	Top2a // Top2a	
17299082	3,651848	3,152213	3,411633	3,235129	3,386483	3,077606	3,4052313	3,233072667	-0,17215867	0,887513724	---	
17366589	5,276218	4,69749	5,195277	4,785854	5,035163	4,831503	5,0563283	4,884173333	-0,172155	0,887515979	A230108P19Rik	
17294289	6,015861	5,874837	6,143205	5,753648	5,722436	6,041378	6,011301	5,839154	-0,172147	0,887520901	Nkd2	
17380102	9,41688	9,45737	9,767461	9,280495	9,429357	9,415503	9,547237	9,375118333	-0,17211867	0,887538331	2010011I20Rik	
17432587	4,291668	4,038478	4,724141	4,012085	4,545986	3,979927	4,351429	4,179332667	-0,17209633	0,887552071	---	
17275524	7,044435	7,400171	7,282868	7,024784	6,97635	7,21006	7,2424913	7,070398	-0,17209333	0,887553916	Srp54c	
17303989	6,4683	6,347603	6,366714	6,091637	6,214775	6,360016	6,3942057	6,222142667	-0,172063	0,887572578	Zfp503	
17207581	6,752687	5,665614	6,62192	6,060537	6,522912	5,940762	6,3467403	6,174737	-0,17200333	0,887609286	---	
17424771	4,686691	4,649715	5,248703	4,72682	4,681545	4,660786	4,861703	4,689717	-0,171986	0,887619951	Spag8	
17204399	6,247608	5,510417	5,001631	5,525443	5,237683	5,480622	5,586552	5,414582667	-0,17196933	0,887630205	---	
17419032	11,17472	11,1465	11,08991	11,07809	10,85173	10,96551	11,137043	10,96511	-0,17193333	0,887652355	---	
17325135	4,500389	4,353628	4,605448	4,303663	4,348113	4,291914	4,4864883	4,314563333	-0,171925	0,887657482	Ropn1 // Ropn1	
17364090	7,236696	7,227102	7,021259	6,951352	6,983059	7,034897	7,1616857	6,989769333	-0,17191633	0,887662814	Ankrd22	
17341076	5,181674	5,007879	4,886657	4,718437	5,042195	4,799831	5,0254033	4,853487667	-0,17191567	0,887663224	4930474M22Rik	
17503217	7,069908	6,728736	6,852845	6,604026	6,700737	6,831047	6,8838297	6,711936667	-0,171893	0,887677171	Gadd45gip1	
17297621	5,132071	4,864612	5,152655	4,800762	4,637001	5,195964	5,0497793	4,877909	-0,17187033	0,887691118	---	
17318483	7,838313	7,855934	7,975049	7,681228	7,835973	7,636489	7,8897653	7,717896667	-0,17186867	0,887692143	Bop1	
17374517	3,331741	3,232538	3,373602	3,286652	2,860408	3,275264	3,312627	3,140774667	-0,17185233	0,887702193	---	
17236305	4,872698	3,994832	4,601532	4,292402	4,23601	4,425144	4,4896873	4,317852	-0,17183533	0,887712653	Tyms-ps // Tyms-ps // Tyms-ps // Tyms-	
17458003	4,991756	4,698821	5,03903	4,476276	4,816735	4,921115	4,909869	4,738042	-0,171827	0,887717781	Olfr437	
17280923	8,271315	8,440837	8,18749	7,871123	8,183711	8,32934	8,2998807	8,128058	-0,17182267	0,887720447	Tfb2m	
17211087	5,459508	5,446515	5,273058	5,144559	5,322725	5,196341	5,393027	5,221208333	-0,17181867	0,887722909	---	
17547598	3,289379	3,539396	3,491432	3,39238	3,226369	3,186018	3,440069	3,268255667	-0,17181333	0,88772619	---	
17370843	8,42527	8,390704	8,308545	8,136347	8,171805	8,301015	8,3748397	8,203055667	-0,171784	0,88774424	Arl6ip6	
17409026	4,694369	4,630709	4,896239	4,436428	4,693756	4,575828	4,740439	4,568670667	-0,17176833	0,887753881	Ubl4b	
17406843	4,653653	3,775229	4,190492	3,946408	4,091525	4,066202	4,206458	4,034711667	-0,17174633	0,887767418	5830417I10Rik	
17311633	4,559497	4,462907	4,239284	4,267696	4,263198	4,215609	4,4205627	4,248834333	-0,17172833	0,887778495	Has2	
17368887	5,243724	4,892941	5,30457	4,853366	5,035443	5,037395	5,1470783	4,975401333	-0,171677	0,887810084	Gm13547	

17251756	7,126966	7,158955	6,827832	6,994651	6,643165	6,96111	7,0379177	6,866308667	-0,171609	0,887851931	Plscr3	
17539084	4,079883	3,884342	4,395276	4,010867	3,988646	3,845234	4,1198337	3,948249	-0,17158467	0,887866906	---	
17363980	7,168806	7,234827	7,393178	7,189883	7,101736	6,990655	7,2656037	7,094091333	-0,17151233	0,887911423	Minpp1 // Minpp1	
17547610	7,15254	6,987039	7,195409	6,883818	6,921108	7,015531	7,1116627	6,940152333	-0,17151033	0,887912654	LOC100861787	
17330497	7,958646	8,574742	8,452049	8,195044	8,200621	8,075285	8,328479	8,156983333	-0,17149567	0,88792168	---	
17249423	4,255931	4,517433	4,228661	4,01902	4,396434	4,072183	4,3340083	4,162545667	-0,17146267	0,887941991	Ppp2ca	
17227636	9,887129	9,871532	9,431365	9,680352	9,308235	9,687099	9,7300087	9,558562	-0,17144667	0,887951838	Cfhr1	
17223760	5,408874	5,264706	5,395131	5,414336	5,165181	4,97496	5,356237	5,184825667	-0,17141133	0,887973586	4933402D24Rik	
17362383	4,347592	4,030346	3,829406	4,112381	3,770194	3,810612	4,0691147	3,897729	-0,17138567	0,887989383	Slc22a27	
17204949	8,50589	7,941362	8,472819	8,022321	8,280558	8,103083	8,3066903	8,135320667	-0,17136967	0,887999232	---	
17512677	5,554386	5,431266	5,183553	5,09445	5,176693	5,384089	5,389735	5,218410667	-0,17132433	0,888027135	Cdh1 // Cdh1	
17302928	3,542432	3,720282	3,381453	3,292272	3,475478	3,362448	3,5480557	3,376732667	-0,171323	0,888027956	AA536875	
17457295	3,685727	3,104048	3,243621	3,373053	3,019999	3,126403	3,3444653	3,173151667	-0,17131367	0,888033701	---	
17326917	3,602222	3,411627	3,788339	3,273354	3,737312	3,277609	3,6007293	3,429425	-0,17130433	0,888039446	2310034C09Rik	
17232041	4,259197	3,88717	4,274372	4,127548	3,829433	3,949899	4,1402463	3,96896	-0,17128633	0,888050526	---	
17267454	8,246967	8,141163	8,156929	8,209048	7,82249	7,99971	8,1816863	8,010416	-0,17127033	0,888060375	Prr11	
17288898	9,304594	9,436063	9,160872	8,99164	9,180453	9,215659	9,3005097	9,129250667	-0,171259	0,888067351	Lysmd3	
17464783	4,828051	4,648144	4,422049	4,537699	4,315643	4,531217	4,632748	4,461519667	-0,17122833	0,888086229	Gm16055	
17446351	3,688551	3,419396	3,65377	3,257185	3,323851	3,667058	3,587239	3,416031333	-0,17120767	0,888098951	E130116L18Rik	
17484569	3,886672	3,95367	3,699753	3,791309	3,643146	3,592204	3,8466983	3,675553	-0,17114533	0,888137323	Olfr61	
17202705	2,807494	3,106761	3,046314	2,953028	2,819882	2,674278	2,9868563	2,815729333	-0,171127	0,888148609	---	
17273749	5,270595	5,233217	5,762109	5,146984	5,293766	5,31179	5,4219737	5,250846667	-0,171127	0,888148609	---	
17514971	3,512065	3,336742	3,270892	3,220717	3,046023	3,339691	3,373233	3,202143667	-0,17108933	0,888171798	Olfr872	
17248102	3,870246	3,830848	3,555252	3,646734	3,454213	3,642188	3,7521153	3,581045	-0,17107033	0,888183495	---	
17207425	8,484822	8,139868	8,626397	8,304663	8,328108	8,105162	8,417029	8,245977667	-0,17105133	0,888195192	---	
17425396	3,775359	4,240232	4,136894	3,882946	3,917859	3,838539	4,0508283	3,879781333	-0,171047	0,88819786	---	
17525794	3,259308	3,153102	3,307059	2,968004	2,974768	3,263558	3,239823	3,068776667	-0,17104633	0,888198827	Olfr983	
17457792	4,143659	4,31812	4,154417	3,867976	4,238859	3,996483	4,2053987	4,034439333	-0,17095933	0,888251834	---	
17457691	5,959516	5,731359	5,969363	5,782626	5,867537	5,497231	5,886746	5,715798	-0,170948	0,888258811	---	
17482381	4,308877	4,258037	4,463909	4,306269	3,951448	4,260303	4,3436077	4,172673333	-0,17093433	0,888267226	Abca14	
17284455	4,667012	4,703485	4,877084	4,775945	4,933887	4,02498	4,7491937	4,578270667	-0,170923	0,888274204	---	
17396199	3,680845	3,784451	3,669056	3,575498	3,448481	3,597671	3,7114507	3,54055	-0,17090067	0,888287955	---	
17496643	5,986474	5,871792	6,268877	5,949092	5,859252	5,806121	6,042381	5,871488333	-0,17089267	0,88829288	Gm4532	
17467711	9,252191	9,337734	9,129159	9,097785	9,020848	9,087781	9,2396947	9,068804667	-0,17089	0,888294522	Usp39	
17548989	4,14512	4,365479	4,272665	4,101782	4,217301	3,951518	4,261088	4,090200333	-0,17088767	0,888295959	Tmco1 // Tmco1	
17518254	3,242009	3,30995	3,278516	3,10735	3,196058	3,014425	3,276825	3,105944333	-0,17088067	0,888300269	---	
17219516	4,699681	5,024551	4,851634	4,766877	4,540097	4,756306	4,858622	4,68776	-0,170862	0,888311763	---	
17494770	5,936796	5,651926	5,79908	5,681752	5,628072	5,565486	5,795934	5,625103333	-0,17083067	0,888331056	Olfr469	
17421179	5,348243	4,842597	5,051893	4,898562	5,089021	4,742733	5,080911	4,910105333	-0,17080567	0,888346449	Pramel1	
17467265	2,839624	2,914952	3,173267	2,761095	2,759503	2,894878	2,9759477	2,805158667	-0,170789	0,888356712	---	
17539411	5,312098	5,141301	5,190025	4,978067	4,936306	5,216691	5,2144747	5,043688	-0,17078667	0,888358149	---	
17376300	3,882072	3,829487	4,044602	3,6205	3,889874	3,733536	3,9187203	3,74797	-0,17075033	0,888380522	1700020A23Rik	
17549504	4,491903	5,050561	4,138891	4,249112	4,418248	4,501914	4,5604517	4,389758	-0,17069367	0,888415417	---	
17549660	4,491903	5,050561	4,138891	4,249112	4,418248	4,501914	4,5604517	4,389758	-0,17069367	0,888415417	---	
17549610	5,08105	5,37261	5,201554	5,090024	4,903676	5,149439	5,2184047	5,047713	-0,17069167	0,888416648	---	
17208391	4,332112	4,899378	4,849959	4,600179	4,457171	4,512094	4,6938163	4,523148	-0,17066833	0,888431017	---	
17345670	4,940179	4,584421	5,200158	4,652432	4,67669	4,883651	4,9082527	4,737591	-0,17066167	0,888435123	Guca1a	
17210245	5,039169	5,277861	4,972607	4,817956	4,993151	4,966549	5,0965457	4,925885333	-0,17066033	0,888435944	---	
17303197	4,732128	5,239237	4,523178	4,497813	4,501124	4,983709	4,8315143	4,660882	-0,17063233	0,888453187	---	
17203195	5,596314	5,362829	5,572031	5,411291	5,693507	4,914573	5,5103913	5,339790333	-0,170601	0,888472483	---	
17412853	9,944744	10,08925	9,860085	9,597006	9,944988	9,840389	9,964693	9,794127667	-0,17056533	0,888494448	---	
17316831	8,554638	8,635966	8,587549	8,45686	8,416384	8,393298	8,5927177	8,422180667	-0,170537	0,888511898	Nudcd1	
17214018	10,26737	10,28019	10,41632	10,32645	10,1106	10,01526	10,321293	10,15077	-0,17052333	0,888520315	Gm8883	
17516131	6,339153	6,737182	6,578162	6,41342	6,461926	6,267863	6,551499	6,381069667	-0,17042933	0,888578209	Olfr884	
17233534	7,120585	7,001416	6,864739	6,756802	6,785688	6,932964	6,99558	6,825151333	-0,17042867	0,888578619	Sowahc	
17534621	5,793613	5,899358	5,843167	5,622976	5,643924	5,757994	5,8453793	5,674964667	-0,17041467	0,888587242	Slc25a14	
17346713	3,916082	3,69775	3,739471	3,225981	4,029106	3,586991	3,7844343	3,614026	-0,17040833	0,888591143	---	
17516192	6,214283	6,600841	6,589041	6,197001	6,54208	6,153922	6,468055	6,297667667	-0,17038733	0,888604078	Olfr914	
17349910	4,967144	4,525182	4,73196	4,523136	4,532295	4,657734	4,7414287	4,571055	-0,17037367	0,888612495	Pcdhb13	
17270322	8,306551	8,582125	8,49681	8,143118	8,355268	8,376045	8,4618287	8,291477	-0,17035167	0,888626046	Eftud2	
17247656	10,25622	10,45891	10,3592	10,24537	10,19035	10,12757	10,35811	10,18776333	-0,17034667	0,888629126	Cct4	
17443710	11,12266	12,24925	12,23567	12,32152	11,36278	11,41228	11,869193	11,69886	-0,17033333	0,888637339	Azgp1	
17467477	6,360529	5,913856	6,201797	5,885084	6,021073	6,059086	6,1587273	5,988414333	-0,170313	0,888649863	---	
17216274	3,48123	3,132727	3,586355	3,203212	3,297049	3,189208	3,400104	3,229823	-0,170281	0,888669574	Gm20268	
17412119	4,23671	4,110568	4,328371	4,05179	3,986756	4,126354	4,2252163	4,054966667	-0,17024967	0,888688875	---	
17449064	4,835719	4,768752	5,296244	4,666985	4,90801	4,815117	4,966905	4,796704	-0,170201	0,888718854	Spink2	
17486058	3,213759	3,127186	2,950865	3,098477	2,852553	2,830217	3,09727	2,927082333	-0,17018767	0,888727067	Vmn1r61	
17411981	8,218925	8,194929	8,201005	8,007169	8,061727	8,035414	8,204953	8,03477	-0,170183	0,888729942	Nbn	
17205481	6,110571	5,297764	5,510209	5,679555	4,870591	5,857988	5,6395147	5,469378	-0,17013667	0,888758485	---	
17364917	5,303811	5,607119	5,601779	5,257345	5,578634	5,166345	5,5042363	5,334108	-0,17012833	0,888763619	Hpse2	
17462180	5,559551	5,774498	5,656648	5,12922	5,743136	5,607967	5,6635657	5,493441	-0,17012467	0,888765878	Zfp239	
17481634	4,022909	3,692853	3,458169	3,572943	3,586901	3,503717	3,7246437	3,554520333	-0,17012333	0,888766699	Olfr512	
17432760	5,201419	5,16385	5,044425	5,05859	4,78937	5,051431	5,1365647	4,966463667	-0,170101	0,888780457	Zfp534	
17234213	4,477508	4,387867	4,624454	4,294695	4,249623	4,435221	4,4966097	4,326513	-0,17009667	0,888783127	Pcdh15	
17205211	5,709966	6,260301	6,129618	6,022291	5,855793	5,711535	6,033295	5,863206333	-0,17008867	0,888788055	---	
17209401	5,709966	6,260301	6,129618	6,022291	5,855793	5,711535	6,033295	5,863206333	-0,17008867	0,888788055	---	
17258282	6,258989	5,894213	5,985682	5,872786	5,901406	5,854513	6,0462947	5,876235	-0,17005967	0,888805921	---	
17370721	3,821341	3,687464	4,022563	3,707863	3,617887	3,695441	3,8437893	3,673730333	-0,170059	0,888806332	---	
17467144	4,609098	4,545653	4,29264	4,411755	4,270267	4,255201	4,4824637	4,312407667	-0,170056	0,88880818	Vmn1r7	
17491378	9,124582	9,14317	9,237329	9,081187	8,802794	9,111135	9,1683603	8,998372	-0,16998833	0,888849869	E2f8	
17462657	5,559027	5,258223	5,371119	5,285555	5,101127	5,291722	5,396123	5,226134667	-0,16998833	0,888849869	1700063H04Rik	
17324110	8,752348	8,980386	9,115464	8,701217	9,040806	8,596217	8,9493993	8,779413333	-0,169986	0,888851307	Snord66	
17500270	5,542893	5,064284	5,564338	5,258739	5,183091	5,219789	5,390505	5,220539667	-0,16996533	0,88886404	Zfp703	
17454254	5,615568	5,548572	5,822304	5,636099	5,279858	5,560715	5,662148	5,492224	-0,169924	0,888889506	Mir106b	
17266903	5,791588	5,578546	6,083973	5,857487	5,445719	5,641162	5,8180357	5,648122667	-0,169913	0,888896283	Gas2l2	
17364945	6,040844	5,629424	5,971122	5,643188	5,745846	5,742622	5,8804633	5,710552	-0,16991133	0,88889731	---	
17516263	3,502248	3,617543	3,786721	3,404455	3,580166	3,412316	3,635504	3,465645667	-0,16985833	0,888929966	Olfr951	
17468865	6,686899	6,47332	6,573865	6,456157	6,314786	6,453679	6,578028	6,408207333	-0,16982067	0,888953175	Chchd6	
17244961	3,508893	3,444724	3,269961	3,083777	3,456348	3,174034	3,4078593	3,238053	-0,16980633	0,888962007	Glipr1l3	
17334381	5,91533	5,879612	6,229963	5,91533	5,864055	5,736159	6,0083017	5,838514667	-0,169787	0,88897392	Tbl3 // Tbl3	
17248957	3,257215	3,246469	3,006951	3,001055	3,11312	2,887147	3,1702117	3,000440667	-0,169771	0,888983779	Olfr1392	
17274412	4,601068	4,576578	4,086996	3,89843	4,238836	4,618111	4,4215473	4,251792333	-0,169755	0,888993638	Gm19960	
17376510	8,264754	8,258157	8,377518	8,150964	8,054413	8,185814	8,300143	8,130397	-0,169746	0,888999184	Smox	
17313577	7,131305	7,134907	7,227387	6,935304	7,071981	6,977103	7,164533	6,994796	-0,169737	0,88900473	---	
17321626	6,74523	6,679197	6,773869	6,507613	6,453766	6,727737	6,7327653	6,563038667	-0,16972667	0,889011097	Gpd1 // Gpd1	
17304271	5,024917	4,529052	4,433219	4,279916	4,310041	4,888056	4,662396	4,492671	-0,169725	0,889012124	---	
17300396	8,30347	8,516191	8,340276	8,298842	8,134233	8,217703	8,3866457	8,216926	-0,16971967	0,889015411	Ngdn	
17288261	6,683112	5,914503	5,687095	6,223825	5,871913	5,679973	6,0949033	5,925237	-0,16966633	0,889048277	Vmn2r85	
17455053	4,245987	3,859573	4,622272	4,141481	3,758839	4,318532	4,2426107	4,072950667	-0,16966	0,889052179	Gm4871	
17389795	7,830917	7,934685	7,759473	7,564056	7,774386	7,677675	7,8416917	7,672039	-0,16965267	0,889056699	Ccdc32	
17308954	4,4506	4,570331	4,724754	4,316762	4,465973	4,454069	4,581895	4,412268	-0,169627	0,889072516	---	
17474663	4,925057	5,11691	5,3167	5,004674	4,849326	4,995789	5,1195557	4,949929667	-0,169626	0,889073132	Zfp296	
17412269	5,371974	5,257185	5,474869	5,110771	5,302732	5,181654	5,3680093	5,198385667	-0,16962367	0,88907457	Klhl32	
17550486	6,490317	6,066998	6,230334	6,044154	6,155853	6,078792	6,2625497	6,092933	-0,16961667	0,889078884	---	
17210887	7,81336	7,903797	7,759796	7,704227	7,677084	7,586821	7,825651	7,656044	-0,169607	0,889084841	Atp6v1h	
17467768	5,056813	4,95858	5,287692	4,923375	4,881961	4,988959	5,1010283	4,931431667	-0,16959667	0,889091209	Sh2d6	
17371839	5,078976	4,879347	4,917329	4,923331	4,897454	4,546341	4,9585507	4,789042	-0,16950867	0,889145443	Gm13662	
17549492	4,380958	4,301417	4,480052	4,183048	4,21016	4,26077	4,3874757	4,217992667	-0,169483	0,889161261	---	
17372035	4,997156	4,956352	5,240658	4,844355	4,807087	5,034298	5,064722	4,895246667	-0,16947533	0,889165986	Hoxd13	
17229094	3,246214	3,150794	3,289369	3,081364	3,107631	2,989073	3,2287923	3,059356	-0,16943633	0,889190023	---	
17279881	8,935443	9,125244	8,936357	8,836936	8,584101	9,06777	8,9990147	8,829602333	-0,16941233	0,889204816	Ubxn2a	
17442096	9,171924	9,338014	9,246967	9,007965	9,186493	9,054242	9,2523017	9,0829	-0,16940167	0,88921139	Arpc3	
17204811	3,029101	3,349007	3,274974	3,063129	3,161947	2,91986	3,217694	3,048312	-0,169382	0,889223512	---	
17394984	4,833322	4,977017	4,896784	4,722116	4,812027	4,664947	4,9023743	4,73303	-0,16934433	0,889246728	4930470P17Rik	
17291258	2,913913	2,952442	3,270892	2,948089	2,767282	2,913913	3,045749	2,876428	-0,169321	0,889261111	Hist1h2ba	
17271244	8,192089	8,368538	8,312347	8,097432	8,042995	8,22465	8,2909913	8,121692333	-0,169299	0,889274671	Slc16a6	
17520922	5,154107	5,381043	5,179934	4,929288	4,992952	5,28512	5,2383613	5,06912	-0,16924133	0,889310218	Rab6b	
17454310	6,02382	5,801235	6,41208	5,874109	5,801447	6,053864	6,079045	5,909806667	-0,16923833	0,889312067	Gpc2	
17275294	3,467217	3,483162	3,081503	3,367665	3,259971	2,896577	3,3439607	3,174737667	-0,169223	0,889321519	---	
17358876	8,310056	8,246287	8,123017	7,938738	8,091757	8,141353	8,2264533	8,057282667	-0,16917067	0,889353779	Rpp30	
17409690	7,995757	8,038462	7,815891	7,704538	7,794897	7,843169	7,9500367	7,780868	-0,16916867	0,889355012	Rtcd1	
17223982	5,030471	5,105241	5,637486	5,045529	5,271887	4,948278	5,2577327	5,088564667	-0,169168	0,889355423	---	
17445689	6,770495	5,869563	6,451772	6,363033	6,261627	5,95968	6,3639433	6,19478	-0,16916333	0,8893583	LOC100861621 // Speer4c	
17383520	5,807028	5,872606	6,120801	5,67777	5,844331	5,770849	5,9334783	5,764316667	-0,16916167	0,889359327	Mir219-2	
17226080	3,224691	3,187628	3,206854	3,05719	3,102618	2,951985	3,206391	3,037264333	-0,16912667	0,889380904	Serpinb3a	
17421174	4,84715	4,786954	4,780636	4,655792	4,614755	4,636828	4,8049133	4,635791667	-0,16912167	0,889383986	Lrrc38	
17400612	6,695979	6,578922	6,791478	6,551844	6,583444	6,42379	6,688793	6,519692667	-0,16910033	0,889397138	---	
17202739	3,947293	4,732821	3,363223	3,994022	3,759611	3,782778	4,0144457	3,845470333	-0,16897533	0,889474201	---	
17284105	5,951986	5,808501	6,0417	5,616543	5,58606	6,092738	5,9340623	5,765113667	-0,16894867	0,889490642	1200009I06Rik // 1200009I06Rik	
17206163	5,989877	6,940526	6,694599	6,443337	6,390404	6,284418	6,5416673	6,372719667	-0,16894767	0,889491259	---	
17276153	8,940478	8,956787	8,617987	8,811471	8,460563	8,73638	8,8384173	8,669471333	-0,168946	0,889492287	Daam1	
17201515	3,015055	3,606339	3,387592	3,56963	2,830556	3,102065	3,3363287	3,167417	-0,16891167	0,889513455	---	
17252333	4,829677	4,740908	5,303604	4,786681	4,737807	4,843014	4,958063	4,789167333	-0,16889567	0,88952332	1700051A21Rik	
17398993	5,977068	5,885091	6,133192	5,893592	5,779645	5,815437	5,9984503	5,829558	-0,16889233	0,889525375	Gm3764	

17201607	4,555193	4,086643	4,50779	4,233368	4,261398	4,148256	4,3832087	4,214340667	-0,168868	0,889540379	---
17506356	8,777122	9,033756	9,132468	8,821499	8,790472	8,824802	8,9811153	8,812257667	-0,16885767	0,88954675	Zfpm1
17429421	6,164664	5,896215	6,227662	5,987566	5,903501	5,891087	6,0961803	5,927384667	-0,16879567	0,889584979	Rimkla
17485698	5,37512	5,499066	5,380843	5,275031	5,396103	5,077516	5,418343	5,24955	-0,168793	0,889586624	D030047H15Rik
17367666	4,646278	4,641033	4,556841	4,459268	4,537863	4,340652	4,6147173	4,445927667	-0,16878967	0,889588679	Il1f5
17201189	8,220576	8,397655	8,419256	7,954986	8,114561	8,46165	8,345829	8,177065667	-0,16876333	0,889604917	---
17476648	6,917135	7,219425	7,12044	6,876759	6,86708	7,006873	7,0856667	6,916904	-0,16876267	0,889605328	Gm6003
17243644	7,453043	7,474786	7,444396	7,282385	7,348053	7,23551	7,4574083	7,288649333	-0,168759	0,889607589	Cry1
17505903	5,522142	5,794767	5,621946	5,609944	5,265059	5,557679	5,646285	5,477560667	-0,16872433	0,889628965	Maf // Maf
17404429	5,023707	5,086496	5,068709	4,755229	4,915066	5,002451	5,0596373	4,890915333	-0,168722	0,889630404	Nceh1 // Nceh1
17288014	5,095387	5,608665	5,655631	5,046553	5,502045	5,304997	5,4532277	5,284531667	-0,168696	0,889646437	---
17498171	5,522062	5,438672	5,407931	5,316077	5,257608	5,288909	5,4562217	5,287531333	-0,16869033	0,889649932	Th
17546743	5,36541	5,966433	6,285836	5,332026	5,915583	5,864012	5,8725597	5,703873667	-0,168686	0,889652604	---
17286020	5,279094	4,975031	5,414436	5,168716	5,074247	4,919596	5,2228537	5,054186333	-0,16866733	0,889664115	D130043K22Rik
17507194	5,059212	4,741068	4,919681	4,519507	4,838232	4,856223	4,9066537	4,737987333	-0,16866633	0,889664732	Cd209b
17375935	5,791879	5,695272	5,909929	5,762293	5,701187	5,427762	5,7990267	5,630414	-0,16861267	0,889697827	Acoxl
17399549	5,802035	6,012897	6,439652	6,023922	5,947865	5,776962	6,0848613	5,916249667	-0,16861167	0,889698443	4933434E20Rik
17486581	8,784639	8,965717	9,225517	8,841739	8,914542	8,713822	8,9919577	8,823367667	-0,16859	0,889711805	Rps5 // Rps5
17372823	3,816518	3,801378	3,763068	3,658714	3,623091	3,593545	3,7936547	3,625116667	-0,168538	0,889743874	Olfr1112
17433582	5,631733	5,435691	5,636631	5,359506	5,40636	5,432639	5,5680183	5,399501667	-0,16851667	0,889757031	Trp73
17284638	3,367236	3,381007	3,291513	3,102356	3,270892	3,160971	3,3465853	3,178073	-0,16851233	0,889759704	---
17223473	3,943206	3,896927	3,683854	3,546486	3,493746	3,978253	3,841329	3,672828333	-0,16850067	0,889766899	Als2cr11
17525576	3,650386	3,585993	3,857269	3,581026	3,487935	3,519275	3,6978827	3,529412	-0,16847067	0,889785401	---
17447257	3,236988	3,026954	3,413591	3,060564	3,087031	3,024527	3,2258443	3,057374	-0,16847033	0,889785607	---
17366930	3,452223	3,347032	3,609703	3,493719	3,176762	3,233192	3,4696527	3,301224333	-0,16842833	0,889811511	Mir466g // Mir466g
17278470	9,388848	9,393959	9,332879	9,135787	9,259807	9,214923	9,3718953	9,203505667	-0,16838967	0,88983536	Vrk1
17353693	7,82954	7,936873	7,751617	7,772341	7,696741	7,543805	7,8393433	7,67096233	-0,168381	0,889840705	Pfdn1
17549260	3,604124	4,205561	3,952897	3,811003	3,580271	3,866194	3,9208607	3,752489333	-0,16837133	0,889846667	---
17223646	4,283913	4,347108	4,23021	4,166841	4,086474	4,102969	4,287077	4,118761333	-0,16831567	0,889881003	4930587A21Rik
17396971	5,572006	5,813062	5,700316	5,407522	5,639599	5,533381	5,695128	5,526834	-0,168294	0,889894367	LOC100862007
17483264	7,375831	7,431026	7,265285	7,088411	7,182263	7,296703	7,3573807	7,189125667	-0,168255	0,889918424	Itgal
17419646	4,735266	4,601842	4,51002	4,285939	4,568131	4,488392	4,6157093	4,447487333	-0,168222	0,88993878	---
17407448	3,061702	3,473424	3,377826	3,134613	3,154414	3,119266	3,3043173	3,136097667	-0,16821967	0,889940219	Lce1e
17214823	3,901426	3,895497	4,534925	3,981327	4,123436	3,72243	4,110616	3,942397667	-0,16821833	0,889941042	---
17207495	5,252947	5,354647	6,119004	5,731855	5,440863	5,049248	5,5755327	5,407322	-0,16821067	0,889945771	---
17201697	4,039024	3,795285	3,455726	3,608578	3,646956	3,529997	3,763345	3,595177	-0,168168	0,889972091	---
17202447	3,449333	3,72213	3,612336	4,000248	2,939525	3,339539	3,5945997	3,426437333	-0,16816233	0,889975587	---
17427077	4,31505	4,261306	4,431208	4,104763	4,131892	4,26656	4,3358547	4,167738333	-0,16811633	0,890003964	Ifna12
17393592	8,837723	8,846436	8,745782	8,68493	8,531452	8,709486	8,8099803	8,641956	-0,16802433	0,890060721	Ndrg3
17250750	4,995333	4,969592	4,759014	4,891193	4,411037	4,917654	4,9079797	4,739961333	-0,16801833	0,890064423	---
17206521	3,750235	3,893717	3,970209	3,572946	4,173638	3,363618	3,871387	3,703400667	-0,16798633	0,890084165	---
17437385	7,318289	7,676322	7,432632	7,381002	7,224277	7,318031	7,4757477	7,30777	-0,16797767	0,890089512	Sod3
17366121	5,973934	6,054945	5,889858	5,628851	6,056245	5,729715	5,9729123	5,804937	-0,16797533	0,890090952	---
17351822	5,704501	5,390508	5,417184	5,172741	5,519138	5,316584	5,5040643	5,336154333	-0,16791	0,890131261	Rpl17
17286641	8,377926	8,815967	8,461575	8,430506	8,418614	8,302691	8,5518227	8,383937	-0,16788567	0,890146274	Dsp
17500510	5,900468	5,77569	6,041596	5,721722	5,917887	5,574515	5,905918	5,738041333	-0,16787667	0,890151827	---
17201083	6,169126	6,886992	6,779664	6,772986	5,912248	6,646925	6,6119273	6,444053	-0,16787433	0,890153267	---
17549392	7,646596	7,494337	7,718705	7,43981	7,585124	7,331112	7,6198793	7,452015333	-0,167864	0,890159643	---
17358032	8,926394	8,935184	8,878428	8,591526	8,788527	8,856402	8,9133353	8,745485	-0,16785033	0,890168075	2410127L17Rik
17248589	6,647255	6,137197	6,534365	6,380299	6,278728	6,156251	6,4396057	6,271759333	-0,16784633	0,890170543	---
17415850	5,220581	4,296747	5,146235	5,351002	4,386857	4,422285	4,8878543	4,720048	-0,16780633	0,890195225	Ube2u
17208887	5,847945	5,429122	5,911244	5,649446	4,696655	6,338872	5,729437	5,561657667	-0,16777933	0,890211885	---
17404400	3,154405	3,169892	3,132193	3,074064	2,993266	2,886075	3,1521633	2,984468333	-0,167695	0,890263924	---
17551169	5,457571	6,084767	5,689449	5,705468	5,428994	5,594303	5,743929	5,576255	-0,167674	0,890276883	---
17398315	4,002794	3,767136	3,949912	3,878631	3,92614	3,412067	3,906614	3,738946	-0,167668	0,890280585	LOC626082
17290384	5,140126	5,281548	5,304733	4,768937	5,445153	5,009349	5,2421357	5,074479667	-0,167656	0,890287991	---
17211305	4,483614	4,994767	3,97097	4,64568	4,11559	4,185298	4,483117	4,315522667	-0,16759433	0,890326046	Pi15
17539004	5,002193	4,60883	4,663938	4,71782	4,569965	4,484406	4,7583203	4,590730333	-0,16759	0,89032872	Klf8
17530227	7,124991	6,945403	7,85043	7,363298	7,188313	6,866518	7,3069413	7,139376333	-0,167565	0,890344148	---
17546953	3,816446	4,658532	4,287383	3,872397	4,651996	3,735295	4,2541203	4,086562667	-0,16755767	0,890348674	Rbmy1a1
17480596	3,644882	3,691152	3,480971	3,572278	3,308266	3,433886	3,6056683	3,438143333	-0,167525	0,890368834	Olfr520
17538803	5,276218	7,292522	5,083676	5,908494	5,805723	5,435662	5,8841387	5,716626333	-0,16751233	0,890376652	---
17508593	8,397411	8,492205	8,275537	8,087442	8,25186	8,32336	8,3883843	8,220887333	-0,167497	0,890386115	Mak16
17262662	5,23357	5,421393	5,355899	4,98945	5,171227	5,347757	5,336954	5,169478	-0,167476	0,890399076	Shroom1 // Shroom1
17413300	6,449519	6,287965	6,736205	6,412729	6,193367	6,365209	6,4912297	6,323768333	-0,16746133	0,890408128	Rusc2
17292603	6,270237	6,319383	6,719792	6,529773	5,936147	6,341147	6,4364707	6,269022333	-0,16744833	0,890416151	Gm2848
17526195	7,149826	7,268968	7,073737	6,995104	6,929964	7,065226	7,164177	6,996764667	-0,16741233	0,89043837	Hinfp
17542895	3,492552	3,754598	3,292883	3,256865	3,411306	3,369678	3,5133443	3,345949667	-0,16739467	0,890449274	---
17533492	3,627397	3,885813	4,098636	4,256958	3,485549	3,367236	3,8706153	3,703247667	-0,16736767	0,890465939	---
17512772	4,829975	4,578071	5,165992	4,69588	4,769359	4,606897	4,8580127	4,690712	-0,16730067	0,890507294	---
17447092	8,440959	8,571203	8,36126	8,008906	8,424703	8,438132	8,4578073	8,290580333	-0,167227	0,890552766	---
17348052	3,003624	2,95437	2,882319	2,811047	2,831918	2,695693	2,946771	2,779552667	-0,16721833	0,890558116	---
17495306	11,15836	10,96742	11,13754	11,03218	10,95875	10,77082	11,087773	10,92058333	-0,16719	0,890575606	---
17260482	3,84539	3,686665	3,712645	3,618739	3,469353	3,655065	3,7482333	3,581052333	-0,167181	0,890581162	---
17283675	5,340369	5,566625	5,3595	5,319549	5,199988	5,245422	5,4221647	5,254986333	-0,16717833	0,890582808	Serpina3c
17322486	6,093199	6,118316	5,810691	5,631694	5,63188	6,257173	6,007402	5,840249	-0,167153	0,890598446	---
17322487	6,093199	6,118316	5,810691	5,631694	5,63188	6,257173	6,007402	5,840249	-0,167153	0,890598446	---
17357904	4,066061	3,906066	3,648229	4,176429	3,485626	3,45694	3,873452	3,706331667	-0,16712033	0,890618612	Olfr1454
17311805	4,413031	4,288883	4,391098	4,071677	4,091228	4,428819	4,3643373	4,197241333	-0,167096	0,890633634	Zfp572
17506400	7,12972	7,25207	7,339951	7,019747	7,088524	7,112232	7,2405803	7,073501	-0,16707933	0,890643923	Ctu2
17367868	5,699014	5,580132	6,090604	5,618719	5,812887	5,436996	5,7899167	5,622867333	-0,16704933	0,890662444	Rnf208
17221932	3,700679	3,375503	2,990211	3,158743	3,163965	3,242547	3,3554643	3,188418333	-0,167046	0,890664502	---
17250317	4,547688	4,523431	4,652603	4,286374	4,533936	4,402357	4,574574	4,407555667	-0,16701833	0,890681582	---
17331418	7,800356	7,771203	7,80268	7,779528	7,457109	7,636585	7,791413	7,624407333	-0,16700567	0,890689402	Zfp654
17533961	6,958229	6,745804	6,619749	6,846728	6,314666	6,661502	6,774594	6,607632	-0,166962	0,890716361	---
17494480	5,110174	5,021299	4,990163	4,992095	4,874999	4,753689	5,0405453	4,873594333	-0,166951	0,890723153	Olfr691
17203027	6,405195	5,789602	5,803406	6,131601	5,362729	6,003082	5,999401	5,832470667	-0,16693033	0,890735913	---
17292855	11,14668	10,70567	10,72516	10,76298	10,69675	10,61703	10,85917	10,69225333	-0,16691667	0,890744351	F12
17493182	9,64023	9,961149	9,711561	9,514793	9,616458	9,680972	9,77098	9,604074333	-0,16690567	0,890751142	Rps13 // Rps13
17500830	3,150028	3,00409	3,34693	2,989989	3,046788	2,96357	3,167016	3,000115667	-0,16690033	0,890754435	---
17285799	3,453524	3,158758	3,270892	3,124018	3,067315	3,191144	3,2943913	3,127492333	-0,166899	0,890755258	Vmn1r219
17311263	5,516362	5,29751	5,4871	5,341213	5,029472	5,429608	5,4336573	5,266764333	-0,166893	0,890758963	AU022793
17543495	4,0064	3,91992	3,975152	3,619041	4,019728	3,762073	3,9671573	3,800280667	-0,16687667	0,890769048	Tex11
17203165	6,35042	5,864787	6,496054	6,396399	5,641889	6,172409	6,237087	6,070232333	-0,16685467	0,890782631	---
17517752	6,419823	5,973753	6,401566	6,178381	6,163677	5,952688	6,2650473	6,098248667	-0,16679867	0,890817209	Ulk3
17387565	4,803146	4,896007	4,850524	4,823586	4,73754	4,488194	4,8498923	4,683106667	-0,16678567	0,890825236	Lrrc55
17386633	3,961792	3,997776	3,787775	3,927443	3,630001	3,689617	3,915781	3,749020333	-0,16676067	0,890840673	4930441J16Rik
17395613	5,233724	5,011477	4,916959	4,865064	4,79545	5,001413	5,0540533	4,887309	-0,16674433	0,890850758	BC066135
17419409	7,936624	7,627247	7,887578	7,522545	7,759003	7,669836	7,8171497	7,650461333	-0,16668833	0,890885339	Snora61
17309338	3,796203	3,435739	3,767539	3,474529	3,24353	3,781383	3,6664937	3,499814	-0,16667967	0,89089069	---
17474300	3,295508	3,651848	3,462017	3,225573	3,369586	3,314258	3,469791	3,303139	-0,166652	0,890907775	Gm5155
17454414	8,261115	7,483398	7,952723	8,127853	7,517177	7,552288	7,8990787	7,732439333	-0,16663933	0,890915597	Mir339
17382755	4,379409	4,113233	4,429788	4,34185	4,0969	3,983822	4,3074767	4,140857333	-0,16661933	0,890927948	Glt6d1
17549792	6,178746	6,036561	6,151133	6,03714	5,97004	5,859452	6,1221467	5,955544	-0,16660267	0,890938241	---
17419371	6,045559	6,282603	6,43459	5,983192	6,198271	6,081516	6,2542507	6,087659667	-0,166591	0,890945445	Epb4.1
17534287	3,757465	3,121353	3,20838	3,337791	3,145486	3,104172	3,3623993	3,159816333	-0,166583	0,890950386	Rhox3f
17210533	6,423838	6,313632	6,129892	5,19296	6,570567	6,604097	6,2891207	6,122541333	-0,16657933	0,89095265	---
17361310	6,726855	7,115778	7,074211	6,723847	6,770497	6,922844	6,9722813	6,805729333	-0,166552	0,89096953	Rce1
17340473	4,130049	3,852247	4,213189	3,976358	3,863743	3,855941	4,0651617	3,898680667	-0,166481	0,891013379	4930470H14Rik // 4930470H14Rik
17403035	5,024884	5,006419	5,152747	4,946966	5,029274	4,7084	5,06135	4,89488	-0,16647	0,891020173	Gm19708
17408360	10,20715	10,1414	10,04288	10,04136	9,832149	10,01855	10,130477	9,964019667	-0,166457	0,891028202	Hao2
17324441	6,144472	5,653598	5,897168	5,739531	5,645991	5,810351	5,8984127	5,731957667	-0,166455	0,891029437	Rtp1
17444236	8,096994	8,247175	8,336228	7,920222	8,280047	7,980838	8,226799	8,060369	-0,16643	0,891044877	Wipi2
17476219	5,253696	4,912603	5,139576	4,785594	5,092974	4,92804	5,1019583	4,935536	-0,16642233	0,891049613	Zfp420
17468067	6,500195	6,305758	6,411619	6,227453	6,354574	6,136353	6,4058573	6,23946	-0,16639733	0,891065053	Dok1
17203681	5,418565	6,196992	6,167015	6,000848	5,384079	5,898456	5,927524	5,761127667	-0,16639633	0,891065671	---
17530291	8,440274	8,642307	8,455029	8,304074	8,367372	8,367069	8,5125367	8,346171667	-0,166365	0,891085024	Cdv3
17532526	8,228924	8,474949	8,262419	8,108582	8,16927	8,189428	8,3220973	8,15576	-0,16633733	0,891102113	Lztfl1
17291935	6,078347	6,022605	6,033874	5,811322	5,938868	5,885745	6,044942	5,878645	-0,166297	0,891127025	---
17374058	9,043733	8,935976	8,798613	8,606129	8,817965	8,855382	8,9261073	8,759825333	-0,166282	0,891136291	Kif18a
17482047	6,951805	6,678387	6,846375	6,672719	6,680239	6,624794	6,8255223	6,659250667	-0,16627167	0,891142673	Insc
17247924	4,112325	3,805636	3,925426	3,815174	3,903068	3,626348	3,9477957	3,78153	-0,16626567	0,89114638	Gm12070
17496726	5,056211	5,122023	5,090426	4,569669	5,198185	5,002049	5,0895533	4,923301	-0,16625233	0,891154616	1700120K04Rik
17340229	5,723412	5,361851	5,891952	5,794624	5,234828	5,449056	5,6590717	5,492836	-0,16623567	0,891164911	Gm19773
17421588	5,618118	5,735567	5,746536	5,459524	5,590483	5,551534	5,7000737	5,533847	-0,16622667	0,89117047	Fbxo2
17533776	4,563735	4,210738	4,039277	4,236014	4,07246	4,006656	4,27125	4,105043333	-0,16620667	0,891182824	Ppp1r2-ps7
17367738	3,462641	3,261193	3,256429	3,314151	3,066485	3,101079	3,3267543	3,160571667	-0,16618267	0,89119765	---
17499576	3,494846	3,884708	3,609703	3,432468	3,694433	3,36382	3,6630857	3,496907	-0,16617867	0,891200121	Defb34
17494168	5,425376	4,842005	5,123962	4,92224	5,015391	4,955188	5,1304477	4,964273	-0,16617467	0,891202592	Olfr601
17348965	9,048309	9,122669	9,021744	8,827705	8,912456	8,954042	9,0642407	8,898067667	-0,166173	0,891203621	Galnt1
17216373	7,625247	7,53342	7,596539	7,47616	7,35208	7,428478	7,5850687	7,418906	-0,16616267	0,891210005	Phlpp1
17503245	8,526708	8,685543	8,646459	8,357272	8,472843	8,53014	8,61957	8,453418333	-0,16615167	0,8912168	Syce2
17445697	3,652343	3,91222	3,688137	3,571268	3,729049	3,453971	3,7509	3,584762667	-0,16613733	0,891225654	---
17387357	4,186708	4,109513	4,267016	4,117232	4,067882	3,879827	4,1877457	4,021647	-0,16609867	0,891249541	---

17419031	7,299407	7,087694	6,109175	5,997268	7,351868	6,64897	6,832092	6,666035333	-0,16605667	0,891275487	---	
17536329	5,604547	5,855457	5,881763	5,417729	6,036756	5,389323	5,780589	5,614602667	-0,16598633	0,891318939	Gspt2	
17295373	6,280559	5,865419	6,450446	5,956065	6,114995	6,027463	6,198808	6,032841	-0,165967	0,891330884	2310005E17Rik	
17404906	4,720843	4,702904	4,540915	4,638701	4,463461	4,364629	4,6548873	4,488930333	-0,165957	0,891337062	Gm12541	
17410422	3,689533	3,405175	3,398686	3,324363	3,264229	3,407182	3,497798	3,331924667	-0,16587333	0,891388755	---	
17547955	3,591074	3,609339	3,768558	3,533957	3,51866	3,418746	3,6563237	3,490454333	-0,16586933	0,891391227	4930553J12Rik	
17261913	3,791557	3,453524	3,609703	3,518249	3,494597	3,344379	3,6182613	3,452408333	-0,165853	0,891401318	Gabra6	
17497017	4,959974	4,681962	4,798385	4,66223	4,588958	4,691595	4,8134403	4,647594333	-0,165846	0,891405644	Cuzd1	
17362885	3,435661	3,409307	3,508897	3,349315	3,223063	3,283969	3,4512883	3,285449	-0,16583933	0,891409763	1700017D01Rik	
17208415	3,525566	3,723414	3,932544	3,746003	3,573978	3,364045	3,7271747	3,561342	-0,16583267	0,891413882	---	
17388886	7,158372	7,526485	7,004432	7,062159	7,123553	7,006171	7,229763	7,063961	-0,165802	0,891432831	---	
17261055	4,138478	4,314549	4,554796	4,159822	4,24044	4,110155	4,335941	4,170139	-0,165802	0,891432831	1700093K21Rik	
17357537	10,89799	11,06476	11,35775	10,97252	10,9479	10,90289	11,106833	10,94110333	-0,16573	0,89147732	---	
17545287	3,57304	3,187414	3,03118	3,247102	3,016391	3,030991	3,263878	3,098161333	-0,16571667	0,891485559	---	
17278341	4,118917	3,972755	4,130559	4,090926	3,928591	3,705619	4,074077	3,908378667	-0,16569833	0,891496888	---	
17548324	12,15268	12,15368	12,22207	12,02899	11,96269	12,03979	12,176143	12,01049	-0,16565333	0,891524696	Anp32b // Anp32b	
17201611	5,300384	5,040332	4,977439	4,988101	5,031016	4,802144	5,1060517	4,940420333	-0,16563133	0,891538291	---	
17351137	3,164307	3,130888	3,150528	3,003547	2,983386	2,961997	3,1485743	2,982976667	-0,16559767	0,891559096	Il17b	
17348220	4,657	4,656544	4,675032	4,149529	4,519111	4,823167	4,6628587	4,497269	-0,16558967	0,89156404	Kif5b	
17285907	8,843098	8,861301	8,914347	8,943647	8,564749	8,613646	8,8729153	8,707347333	-0,165568	0,89157743	Slc17a3	
17200659	5,531994	5,30606	5,355921	5,07395	5,519917	5,103431	5,3979917	5,232432667	-0,165559	0,891582991	---	
17302692	3,550648	3,344571	3,489333	3,330035	3,430412	3,127527	3,4615173	3,295991333	-0,165526	0,891603386	Gm9376	
17496438	6,557224	6,772182	6,622477	6,567128	6,305106	6,583107	6,6506277	6,485113667	-0,165514	0,891610802	Ino80e	
17547614	7,845129	7,92489	7,533975	7,753098	7,36487	7,689528	7,767998	7,602498667	-0,16549933	0,891619866	Spin1 // Spin1	
17435497	3,435576	3,482425	3,112717	3,20256	3,115707	3,21598	3,3435727	3,178082333	-0,16549033	0,891625428	---	
17439197	3,080677	2,862805	3,233458	2,810437	2,867598	3,002481	3,05898	2,893505333	-0,16547467	0,891635111	Gm7792	
17444593	9,005177	9,101975	9,270207	8,813383	9,078362	8,989199	9,1257863	8,960314667	-0,16547167	0,891636965	Arpc1a	
17222593	4,213601	4,29332	4,132438	4,005687	4,199846	3,937454	4,2131197	4,047662333	-0,16545733	0,891645824	Gm3646	
17223787	4,752999	4,717631	4,64652	4,652202	4,555655	4,413085	4,7057167	4,540314	-0,16540267	0,89167961	Ccnyl1	
17375603	4,458147	4,2056	4,034108	4,20075	3,986942	4,013995	4,2326183	4,067229	-0,16538933	0,891687851	Ctxn2	
17206633	3,548956	4,137048	5,373533	4,197251	3,323671	5,04255	4,353179	4,187824	-0,165355	0,891709072	---	
17225986	6,959627	6,867457	7,045396	6,79374	6,711841	6,871048	6,9574933	6,792209667	-0,16528367	0,891753163	---	
17350250	3,881134	3,836004	4,111364	3,789157	3,714304	3,829207	3,942834	3,777556	-0,165278	0,891756666	Spink12	
17428731	4,444987	4,738791	4,805866	4,49623	4,573168	4,424601	4,6632147	4,497999667	-0,165215	0,891795608	Hpdl	
17548898	6,255615	6,769694	6,46679	6,08334	6,377581	6,535534	6,4973663	6,332151667	-0,16521467	0,891795814	Gm7634	
17444924	5,750359	5,634065	5,650174	5,255479	5,669151	5,614331	5,6781993	5,512987	-0,16521233	0,891797257	8430423G03Rik	
17326954	4,102113	4,265238	4,505315	4,026218	4,073337	4,277542	4,2908887	4,125699	-0,16518967	0,891811268	Gm10789	
17210555	5,37495	5,141316	6,147968	4,74478	5,735616	5,688292	5,5547447	5,389562667	-0,165182	0,891816007	---	
17454069	7,217146	7,131783	7,151062	7,05142	6,904105	7,048984	7,1666637	7,001503	-0,16516067	0,891829195	Mospd3	
17349799	5,486571	5,509083	5,726648	5,192779	5,834208	5,199869	5,5741007	5,408952	-0,16514867	0,891836613	Vaultrc5	
17513978	11,72771	12,11891	12,09564	11,59626	11,99604	11,85466	11,980753	11,81565333	-0,1651	0,891866698	---	
17513980	11,72771	12,11891	12,09564	11,59626	11,99604	11,85466	11,980753	11,81565333	-0,1651	0,891866698	---	
17298956	12,79575	12,80897	12,77037	12,73278	12,54498	12,60204	12,791697	12,6266	-0,16509667	0,891868758	Mat1a	
17207943	3,791225	3,182407	2,963566	3,152195	3,07995	3,209767	3,3123993	3,147304	-0,16509533	0,891869583	---	
17333790	4,010606	3,382102	3,630811	3,750436	3,423578	3,354323	3,6745063	3,509445667	-0,16506067	0,891891014	Vmn2r98	
17403969	5,3668	5,195642	5,410607	5,087366	5,176807	5,213828	5,3243497	5,159333667	-0,165016	0,891918628	2700069I18Rik // 2700069I18Rik	
17478956	9,952346	10,66728	10,04952	9,791142	9,860347	10,52277	10,223049	10,05808633	-0,16496233	0,891951807	---	
17274202	8,256655	8,233121	8,108511	7,97788	8,092801	8,032872	8,199429	8,034517667	-0,16491133	0,891983338	E2f6	
17334065	5,348002	5,227564	5,386685	5,176171	5,260058	5,031302	5,3207503	5,155843667	-0,16490667	0,891986223	Zscan10	
17367637	5,95176	5,856674	5,965252	5,845179	5,673649	5,760293	5,924562	5,759707	-0,164855	0,892018168	Nxph2	
17246440	3,364227	3,3266	3,320032	3,236401	3,089881	3,190046	3,336953	3,172109333	-0,16484367	0,892025176	Olfr812	
17379995	6,315766	5,591197	5,975993	5,706014	5,780442	5,901989	5,9609853	5,796148333	-0,164837	0,892029298	1700017J07Rik	
17396045	4,862324	4,588071	5,040304	4,750276	4,641569	4,604359	4,830233	4,665401333	-0,16483167	0,892032596	---	
17372744	3,129156	3,182384	3,215104	3,055644	3,092319	2,884214	3,175548	3,010725667	-0,16482233	0,892038366	Olfr996	
17372261	6,096346	5,885951	6,115512	5,880944	5,822754	5,899804	6,032603	5,867834	-0,164769	0,892071344	---	
17480491	8,863872	8,983714	8,872455	8,693	8,681003	8,851777	8,9066803	8,741926667	-0,16475367	0,892080825	Prkrir	
17371123	8,159436	8,32185	8,094643	8,067944	7,917307	8,096457	8,1919763	8,027236	-0,16474033	0,89208907	Psmd14	
17486586	3,661101	4,371666	4,215406	3,92276	3,92276	3,908443	4,0827243	3,917987667	-0,16473667	0,892091337	1810019N24Rik	
17242653	7,121288	7,070983	7,100325	6,874103	7,030012	6,894303	7,097532	6,932806	-0,164726	0,892097933	Polrmt	
17256215	6,963841	6,722752	6,738994	6,635571	6,430006	6,86585	6,808529	6,643809	-0,16472	0,892101643	Wipf2	
17290275	5,978009	6,081437	5,8412	6,058706	5,661406	5,686449	5,966882	5,802187	-0,164695	0,892117102	Akr1c12	
17443689	6,438286	6,457376	6,135728	6,073125	6,308657	6,155539	6,3437967	6,179107	-0,16468967	0,8921204	Zcwpw1	
17486704	4,373929	4,288954	4,691652	4,404141	4,198805	4,257544	4,4515117	4,28683	-0,16468167	0,892125347	Gm5585	
17225150	5,541296	5,437933	6,244875	5,635315	5,395494	5,699287	5,741368	5,576698667	-0,16466933	0,892132973	B3gnt7	
17214841	10,76985	10,89068	10,84375	10,66277	10,60955	10,73807	10,83476	10,67013	-0,16463	0,892157297	Agfg1	
17210607	5,809721	5,528557	4,986658	5,277321	5,304787	5,249	5,4416453	5,277036	-0,16460933	0,892170077	---	
17340983	7,509991	7,507225	7,235514	7,309077	7,203278	7,246584	7,4175767	7,252979667	-0,164597	0,892177704	Wtap	
17544069	4,060252	4,378469	4,092572	4,165519	3,92313	3,948983	4,1770977	4,012544	-0,16455367	0,892204502	---	
17219460	10,44521	11,06425	10,84184	10,54047	10,56639	10,7508	10,783767	10,61922	-0,16454667	0,892208831	---	
17547380	4,423306	5,983669	5,350613	4,518588	5,734431	5,010944	5,2525293	5,087987667	-0,16454167	0,892211923	---	
17209799	5,335057	5,904634	5,828759	5,636028	5,53523	5,403611	5,6894833	5,524956333	-0,164527	0,892220994	---	
17541736	4,258711	4,57353	4,369635	4,250763	4,251313	4,206226	4,4006253	4,236100667	-0,16452467	0,892222437	Plac1	
17240137	3,423076	3,403072	3,339591	3,272805	3,258434	3,141157	3,3885797	3,224132	-0,16444767	0,892270058	Gm4794	
17271091	8,345602	8,352342	8,102402	7,929166	8,194427	8,183536	8,266782	8,102376333	-0,16440567	0,892296034	Nol11	
17379389	3,556545	3,626908	3,465378	3,401173	3,354544	3,399903	3,5496103	3,385206667	-0,16440367	0,892297271	Svs6	
17331903	3,936024	3,909487	3,877363	3,813336	3,71171	3,704629	3,9076247	3,743225	-0,16439967	0,892299745	Krtap6-2	
17532732	4,791343	4,434425	4,585716	4,357034	4,52683	4,434425	4,603828	4,439429667	-0,16439833	0,89230057	Nudt10 // Nudt11	
17311878	7,188745	6,649305	7,396303	7,072816	6,721649	6,946751	7,0781177	6,913738667	-0,164379	0,892312528	Gsdmcl1	
17470674	3,756718	3,337892	3,832722	3,614915	3,425475	3,393892	3,642444	3,478094	-0,16435	0,892330464	Vmn2r27	
17320928	10,42883	10,50321	10,40073	10,33971	10,24143	10,25867	10,444257	10,27993667	-0,16432	0,89234902	Slc38a2	
17463308	4,339484	4,244646	4,558719	4,219219	4,290134	4,140642	4,3809497	4,216665	-0,16428467	0,892370875	Akap3	
17325347	12,06228	12,15969	12,07376	11,85225	12,00384	11,94686	12,098577	11,93431667	-0,16426	0,892386133	Stfa1	
17469402	4,590301	4,658889	4,825351	4,443786	4,694276	4,443786	4,6915137	4,527282667	-0,164231	0,892404071	---	
17326790	3,688183	3,790623	3,807684	3,586096	3,706706	3,501012	3,7621633	3,597938	-0,16422533	0,892407576	4930529L06Rik // 4930529L06Rik	
17525868	7,013916	7,078171	6,700936	6,805073	6,854747	6,640604	6,9310077	6,766808	-0,16419967	0,892423453	Ubash3b	
17299946	3,902251	4,225225	4,563348	4,224678	4,285168	3,688389	4,2302747	4,066078333	-0,16419633	0,892425515	---	
17457722	3,760903	3,718841	3,521112	3,519163	3,542652	3,446454	3,666952	3,502756333	-0,16419567	0,892425927	---	
17399544	4,0655	3,952443	3,78809	3,78067	3,795428	3,737397	3,9353443	3,771165	-0,16417933	0,892436031	Gm19710	
17512479	7,190474	7,121138	7,359726	7,098035	6,999872	7,080928	7,2237793	7,059611667	-0,16416767	0,892443248	Acd	
17415542	4,195572	3,922394	4,139163	3,971115	4,015567	3,777999	4,0857097	3,921560333	-0,16414933	0,892454589	---	
17449585	5,728737	5,92306	5,796945	5,725324	5,755675	5,475353	5,8162473	5,652117333	-0,16413	0,892466548	Btc	
17498115	5,134049	4,875775	5,211128	4,762198	5,068508	4,897884	5,0736507	4,90953	-0,16412067	0,892472322	Gm14492	
17406273	3,97109	3,894999	3,799069	3,830198	3,604624	3,738241	3,888386	3,724354333	-0,16403167	0,892527381	---	
17329395	5,405607	4,736258	5,333863	4,935994	5,035362	5,01229	5,158576	4,994548667	-0,16402733	0,892530061	St6gal1	
17207045	7,746254	7,998696	7,703581	7,507897	7,796037	7,652541	7,816177	7,652158333	-0,16401867	0,892535423	---	
17252406	7,305475	7,951871	7,018569	7,325451	7,017252	7,441159	7,425305	7,261287333	-0,16401767	0,892536042	---	
17533462	3,390211	3,262313	3,455252	3,076739	3,327878	3,211388	3,3692587	3,205335	-0,16392367	0,892594198	Gm5382	
17383667	5,188805	4,965196	5,181482	4,937837	5,151963	4,753944	5,1118277	4,947914667	-0,163913	0,892600797	Gm14486	
17363495	4,090556	3,686452	4,549393	3,91374	4,035772	3,885197	4,1088003	3,944903	-0,16389733	0,89261049	---	
17211375	5,413957	5,469978	4,741548	4,892848	5,184868	5,056094	5,2084943	5,044603333	-0,163891	0,892614409	Paqr8	
17439573	4,046403	3,931247	4,079668	3,942803	3,676413	3,946654	4,019106	3,85529	-0,163816	0,892660813	5830403M04Rik	
17517573	3,855663	3,806727	4,137016	3,774601	3,59183	3,941576	3,9331353	3,769335667	-0,16379967	0,89267092	---	
17238150	6,370788	6,454839	6,417462	6,222112	6,155248	6,374354	6,414363	6,250571333	-0,16379167	0,89267587	Zbtb39	
17527767	7,643881	8,211046	8,096753	7,903433	7,535444	8,0215	7,9838933	7,820125667	-0,16376767	0,89269072	Gm7589	
17474692	3,618897	3,808247	3,474091	3,585533	3,342848	3,481673	3,633745	3,470018	-0,163727	0,892715883	---	
17209141	10,49263	10,09521	10,69321	10,24802	10,36867	10,17318	10,427017	10,26329	-0,16372667	0,89271609	---	
17475222	6,744006	6,465245	7,412401	7,401066	6,102208	6,627244	6,873884	6,710172667	-0,16371133	0,892725578	---	
17306999	3,886142	3,732396	3,807034	3,744524	3,773898	3,416042	3,808524	3,644821333	-0,16370267	0,892730941	Gzmg	
17262452	4,464131	4,037306	4,307376	4,176516	4,137594	4,003622	4,2696043	4,105910667	-0,16369367	0,89273651	---	
17233357	8,877386	8,931921	8,742685	8,782627	8,638333	8,640023	8,850664	8,686994333	-0,16366967	0,892751361	Hsf2	
17203361	5,332937	5,656233	5,473038	5,783244	5,388259	4,799877	5,4874027	5,323793333	-0,16360933	0,892788697	---	
17494868	4,319568	4,454382	4,677877	4,317174	4,296153	4,347699	4,4839423	4,320342	-0,16360033	0,892794266	Trim66	
17202931	4,494368	5,414148	3,979416	4,712419	4,655262	4,029517	4,6293107	4,465732667	-0,163578	0,892808087	---	
17363068	3,751964	3,429838	3,395525	3,546236	3,429838	3,110534	3,5257757	3,362202667	-0,163573	0,892811181	Olfr1427	
17205879	3,978404	3,675387	3,184127	3,402312	3,835501	3,109428	3,6126393	3,449080333	-0,163559	0,892819845	---	
17512709	4,083143	4,091663	4,211046	4,026171	4,030216	3,838971	4,1286173	3,965119333	-0,163498	0,892857596	Tmed6	
17476260	3,746016	3,741367	3,924035	3,965184	3,173198	3,782582	3,803806	3,640321333	-0,16348467	0,892865848	---	
17365796	5,171701	4,991076	5,313777	5,033923	5,033186	4,919038	5,1588513	4,995382333	-0,163469	0,892875544	4930552P12Rik	
17357416	4,800761	4,399415	4,936965	4,759646	4,58007	4,307033	4,7123803	4,548916333	-0,163464	0,892878638	---	
17448784	7,429241	7,026304	7,19825	7,153351	6,026959	7,983118	7,2179317	7,054476	-0,16345567	0,892883796	---	
17247506	6,168758	5,458008	5,857914	5,463601	5,716613	5,814138	5,8282267	5,664784	-0,16344267	0,892891841	---	
17250769	3,811419	3,865715	4,018517	3,629098	3,828918	3,747308	3,8985503	3,735108	-0,16344233	0,892892048	---	
17304431	4,446096	4,505942	4,646232	4,453398	4,408125	4,246542	4,5327567	4,369355	-0,16340167	0,892917217	---	
17550811	3,815434	3,745314	3,77568	3,452704	3,634923	3,758666	3,7788093	3,615431	-0,16337833	0,892931659	---	
17364337	4,114417	3,656577	4,034791	3,893359	3,680089	3,742325	3,9352617	3,771924333	-0,16333733	0,892957035	---	
17547935	4,928476	4,650996	4,926267	4,729486	4,62722	4,659026	4,8352463	4,671910667	-0,16333567	0,892958067	AA066038	
17538835	8,449239	8,578769	7,44864	8,19978	8,154928	7,631942	8,1588827	7,99555	-0,16333267	0,892959924	---	
17504454	6,113614	6,394743	6,349998	6,069911	6,15	6,148489	6,2861183	6,1228	-0,16331833	0,892968795	Car7	
17208663	4,617223	5,488977	5,085645	4,721252	4,952378	5,028265	5,0639483	4,900631667	-0,16331667	0,892969827	---	
17347925	5,852101	5,523273	5,882792	5,351259	5,686674	5,730368	5,752722	5,589433667	-0,16328833	0,892987364	---	
17291340	5,622303	5,596258	5,391648	5,316403	5,318042	5,485911	5,5367363	5,373452	-0,16328433	0,89298984	C530050E15Rik	
17212947	7,184983	7,321435	7,158614	6,987287	6,968503	7,219444	7,2216773	7,058411333	-0,163266	0,893001188	Spats2l	
17204609	4,696613	4,890475	4,492764	4,916487	4,546635	4,126956	4,693284	4,530026	-0,163258	0,89300614	---	
17207441	7,831464	7,66957	8,041222	7,583117	7,752543	7,716845	7,8474187	7,684168333	-0,16325033	0,893010886	---	

17391434	7,992589	3,788518	8,040866	7,849802	8,289351	8,193222	8,273991	8,110791667	-0,16319933	0,893042455	---	
17494095	3,951913	3,666436	3,978066	3,470142	3,84971	3,787019	3,8654717	3,702290333	-0,16318133	0,893053597	Olfr545	
17496015	4,497192	4,358295	4,667606	4,331354	4,358295	4,344167	4,5076977	4,344605333	-0,16309233	0,893108691	Zkscan2	
17287126	6,664954	7,050512	6,536569	6,654594	6,677229	6,431262	6,7506783	6,587695	-0,16298333	0,893176171	Ippk	
17402296	8,42745	8,66764	8,422938	8,33405	8,254559	8,440523	8,5060093	8,343044	-0,16296533	0,893187315	Dnttip2	
17470050	4,444337	4,421938	4,617895	4,338209	4,553434	4,103771	4,4947233	4,331804667	-0,16291867	0,893216207	Olfr215	
17257562	7,960637	8,238896	8,410907	7,888256	8,220849	8,012584	8,20348	8,040563	-0,162917	0,893217239	---	
17462839	5,69182	5,594861	5,366116	5,408628	5,306294	5,449179	5,5509323	5,388033667	-0,16289867	0,89322859	---	
17203459	5,477466	4,469141	4,628602	4,696663	4,634316	4,755596	4,858403	4,695525	-0,162878	0,893241385	---	
17501117	5,108564	5,207191	5,276072	5,042922	4,994895	5,065385	5,1972757	5,034400667	-0,162875	0,893243243	Gm19744	
17486554	4,752906	4,418569	4,605477	4,536551	4,204281	4,54754	4,5923173	4,429457333	-0,16286	0,89325253	Vmn2r56	
17292023	5,575277	5,822123	5,932145	5,548171	5,381852	5,911122	5,776515	5,613715	-0,1628	0,89328968	Gcnt2	
17234175	9,08743	8,894627	8,883942	8,845081	8,740148	8,792412	8,955333	8,792547	-0,162786	0,893298349	Ipmk	
17372870	3,265234	3,086922	3,201767	3,187979	2,917205	2,960418	3,184641	3,021867333	-0,16277367	0,893305985	Olfr1130	
17326594	3,605147	3,632627	3,853067	3,477114	3,500681	3,624733	3,696947	3,534176	-0,162771	0,893307636	4931420L22Rik	
17299613	4,300737	3,9046	4,243629	4,170074	3,953183	3,837409	4,1496553	3,986888667	-0,16276667	0,89331032	Vmn2r88	
17457603	3,969368	3,845775	3,796681	3,683904	3,64961	3,790096	3,870608	3,70787	-0,162738	0,89332807	Tas2r108	
17406233	4,38762	4,469061	4,197485	4,201972	4,326605	4,03739	4,3513887	4,188655667	-0,162733	0,893331166	Npy2r	
17291353	10,83908	10,83985	10,65037	10,43609	10,67863	10,72645	10,776433	10,61372333	-0,16271	0,893345408	Top2a // Top2a	
17317173	3,648974	4,00458	3,935274	3,731076	3,552859	3,816838	3,8629427	3,700257667	-0,162685	0,893360889	---	
17361494	7,5229	7,216583	7,380836	7,303733	7,081105	7,247428	7,3734397	7,210755333	-0,16268433	0,893361302	Pacs1	
17549330	4,791134	4,764974	4,933084	4,644352	4,775061	4,581814	4,8297307	4,667075667	-0,162655	0,893379466	---	
17441072	5,296038	4,921711	5,083675	5,057304	5,027541	4,728632	5,1004747	4,937825667	-0,162649	0,893383181	---	
17458043	5,2417	5,324067	5,2098	5,00728	5,159786	5,120578	5,2585223	5,095881333	-0,162641	0,893388135	Cntnap2	
17473417	4,963188	4,575496	4,743266	4,606532	4,676682	4,51104	4,76065	4,598084667	-0,16256533	0,893434993	Nat14	
17237400	4,608031	4,386577	4,755253	4,470446	4,417161	4,374698	4,583287	4,420768333	-0,16251867	0,893463893	Lgr5 // Lgr5	
17449528	8,762732	9,168309	9,030727	8,995829	8,892861	8,58567	8,9872256	8,824786667	-0,16246933	0,893494446	---	
17457773	5,579792	5,419446	6,191226	5,471654	5,297099	5,934451	5,7301547	5,567734667	-0,16242	0,893525	---	
17349357	5,883346	5,45986	6,288345	5,776379	5,717108	5,650924	5,8771837	5,714803667	-0,16238	0,893549774	Gm10549	
17283770	8,327356	8,308889	8,39372	7,916577	8,275184	8,351135	8,3433217	8,180965333	-0,16235633	0,893564432	Glrx5 // Glrx5	
17253304	4,671329	4,844225	4,976677	4,571565	4,52135	4,912314	4,8307437	4,668409667	-0,162334	0,893578265	Taok1 // Taok1	
17528271	5,909671	5,707238	5,848026	5,968206	5,332021	5,677809	5,821645	5,659345333	-0,16229967	0,893599531	Gm17749	
17240584	6,083013	5,555339	5,859179	5,427813	5,432971	6,14986	5,8325103	5,670214667	-0,16229567	0,893602008	---	
17527016	7,044902	7,212095	6,74538	6,751865	6,629447	7,134192	7,0007923	6,838501333	-0,162291	0,893604899	Zc3h12c	
17217768	4,783954	4,346334	4,696615	4,58389	4,336305	4,419949	4,6089677	4,446714667	-0,162253	0,893628436	---	
17488336	6,712253	6,715153	6,199419	6,111159	6,639416	6,389917	6,542275	6,380164	-0,162111	0,893716398	Zfp780b	
17407476	5,64356	5,370027	5,15101	5,260695	5,157051	5,260525	5,388199	5,226090333	-0,16210867	0,893717843	Kprp	
17469605	5,626493	5,942537	5,418133	5,378336	5,525855	5,596678	5,6623877	5,500289667	-0,162098	0,893724451	---	
17460591	9,200135	9,034401	9,130627	8,991584	9,082651	8,804739	9,121721	8,959658	-0,162063	0,893746133	---	
17300116	5,864144	5,941325	5,950426	5,537124	5,970281	5,762317	5,9186317	5,756574	-0,16205767	0,893749437	---	
17279427	7,333574	7,483583	7,329857	7,170455	7,363335	7,127153	7,382338	7,220314333	-0,16202367	0,8937705	Btbd6	
17299910	7,054503	6,574009	6,73966	6,644746	6,527665	6,70973	6,7893907	6,627380333	-0,16201033	0,893778761	---	
17428801	11,37109	11,50769	11,57037	11,36006	11,39701	11,20617	11,48305	11,32108	-0,16197	0,893803748	Snord55	
17509694	4,542845	3,984038	4,44736	4,385916	4,024702	4,077786	4,3247477	4,162801333	-0,16194633	0,893818411	---	
17340307	7,873529	8,10844	7,914082	7,679872	7,782275	7,948082	7,9653503	7,803409667	-0,16194067	0,893821922	Msh6	
17494806	3,900269	3,76627	3,687003	3,832807	3,45233	3,582633	3,784514	3,62259	-0,161924	0,893832247	Olfr504	
17206577	3,602498	3,667886	4,677482	3,189692	3,712992	4,559496	3,982622	3,820726667	-0,16189533	0,893850008	---	
17507794	4,369169	4,481166	4,616014	4,401369	4,289372	4,290112	4,488783	4,326951	-0,161832	0,893889249	---	
17242879	6,553368	6,400414	6,53863	6,322094	6,239408	6,445537	6,4974707	6,335679667	-0,161791	0,893914652	Adamtsl5	
17434105	6,594375	6,75948	6,785424	6,734256	6,306102	6,613563	6,713093	6,551307	-0,161786	0,89391775	Ccl21c	
17341065	4,621374	4,373712	4,675063	4,642437	4,090119	4,452243	4,5567163	4,394933	-0,16178333	0,893919403	4930488N24Rik	
17202089	3,231958	3,605671	3,571414	3,163656	3,29884	3,461229	3,469681	3,307908333	-0,16177267	0,893926012	---	
17226602	3,935048	4,018861	4,299466	3,961169	3,853723	3,953221	4,0844583	3,922704333	-0,161754	0,893937578	---	
17334833	5,669919	6,102568	5,817734	5,759575	5,431436	5,913955	5,863407	5,701655333	-0,16175167	0,893939024	Pigq // Pigq	
17206691	4,431901	4,57517	5,096511	4,720919	4,261114	4,636297	4,701194	4,539443333	-0,16175067	0,893939644	---	
17353453	4,812915	4,574115	4,534903	4,549758	4,449574	4,437464	4,6406443	4,478932	-0,16171233	0,893963397	4933408B17Rik	
17208511	4,126155	5,362024	6,15641	4,69326	5,017701	5,448508	5,214863	5,053156333	-0,16170667	0,893966908	---	
17548360	4,67948	4,528645	4,65175	4,484629	4,583668	4,306566	4,6199583	4,458287667	-0,16167067	0,893989216	Mul1 // Mul1	
17350301	7,878235	8,117912	7,676668	7,720739	7,639016	7,828079	7,8909383	7,729278	-0,16166033	0,893995619	Ythdc2	
17315463	4,432039	4,644306	4,646992	4,284326	4,44412	4,509911	4,5744457	4,412785667	-0,16166	0,893995826	---	
17205673	3,981869	3,926543	3,914759	3,226549	4,237303	3,874341	3,941057	3,779397667	-0,16165933	0,893996239	---	
17467031	6,291433	6,443602	6,337952	6,305483	6,023999	6,258536	6,3576623	6,196006	-0,16165633	0,893998098	Ggct	
17453703	6,690381	7,010619	6,891411	6,834953	6,703243	6,569287	6,864137	6,702494333	-0,16164267	0,894006567	Prkrip1	
17431298	5,751576	5,626602	5,556623	5,476298	5,510684	5,462931	5,6449337	5,483304333	-0,16162933	0,894014829	1700021N21Rik	
17248986	6,482963	6,307733	6,378424	6,135951	6,381187	6,167107	6,3897067	6,228081667	-0,161625	0,894017514	Olfr1382	
17274893	8,676292	8,619692	8,604301	8,399186	8,563729	8,452515	8,6334283	8,47181	-0,16161833	0,894021646	Sypl	
17357036	3,679643	3,843304	3,714024	3,612742	3,484574	3,655111	3,745657	3,584142333	-0,16151467	0,894085889	---	
17491403	4,659667	5,108617	4,790632	4,736563	4,731059	4,606835	4,852972	4,691485667	-0,16148633	0,894103448	---	
17389936	6,264108	5,84498	6,224696	6,109175	6,075407	5,664855	6,1112613	5,949812333	-0,161449	0,894126586	---	
17285067	5,435636	5,106281	4,860807	4,795826	5,155521	4,96707	5,1342413	4,972805667	-0,16143567	0,894134849	Idi2	
17328432	9,683022	9,84788	9,674873	9,517622	9,602897	9,601006	9,7352583	9,573841667	-0,16141667	0,894146625	Mcm4	
17431841	6,69761	6,492204	6,592333	6,482435	6,590196	6,225398	6,594049	6,432676333	-0,16137267	0,894173895	Otud3	
17374455	8,017416	8,32765	8,068139	8,086696	7,918571	7,923826	8,137735	7,976364333	-0,16137067	0,894175135	Spred1	
17430824	8,208384	8,169156	8,248479	7,966034	8,159056	8,016883	8,208673	8,047324333	-0,16134867	0,894188771	Snhg3	
17279153	10,67077	11,11665	10,8842	10,6763	10,52403	10,98725	10,89054	10,72919333	-0,16134667	0,89419001	---	
17517605	9,296108	9,385265	9,506283	9,322236	9,247691	9,133741	9,3958853	9,234556	-0,16132933	0,894200753	Imp3	
17543034	4,100086	3,541795	3,414708	3,335531	3,62805	3,609093	3,6855297	3,524224667	-0,161305	0,894215836	---	
17356482	7,426873	7,549967	7,5764	7,557044	7,187699	7,324618	7,5177467	7,356453667	-0,161293	0,894223274	Rnaseh2c	
17529679	4,469557	4,332417	4,76819	4,242231	4,462627	4,381465	4,523388	4,362107667	-0,16128033	0,894231125	Zic1	
17203879	6,390146	6,701202	6,378474	6,103608	6,413303	6,469126	6,4899407	6,328679	-0,16126167	0,894242695	---	
17540950	5,804994	5,856317	5,45888	5,461231	5,569685	5,605507	5,7067303	5,545474333	-0,161256	0,894246208	Akap17b	
17441723	4,918075	4,703238	4,906187	4,666471	4,5872	4,790149	4,8425	4,681273333	-0,16122667	0,89426439	---	
17528355	8,660872	8,684209	8,552692	8,458638	8,496532	8,458946	8,632591	8,471372	-0,161219	0,894269142	Usp3	
17326237	2,991924	2,826638	3,104917	2,821798	2,735292	2,882751	2,974493	2,813280333	-0,16121267	0,894273068	---	
17473155	6,017019	6,061763	6,194998	5,781775	6,062612	5,94578	6,09126	5,930055667	-0,16120433	0,894278233	Cacng7	
17407386	4,478667	4,13525	4,256362	4,167939	4,25358	3,965194	4,290093	4,128904333	-0,16118867	0,894287945	Lelp1	
17464571	4,067551	3,792015	3,686706	3,816723	3,527782	3,718207	3,8487573	3,687570667	-0,16118667	0,894289184	Mir489	
17203207	3,936648	3,231255	3,908281	3,539426	2,831468	4,221761	3,6920613	3,530885	-0,16117633	0,89429559	---	
17533065	3,502536	3,973676	4,179826	3,717554	3,517159	3,937799	3,885346	3,724170667	-0,16117533	0,89429621	---	
17449443	2,892952	3,361422	3,334029	3,175474	2,991822	2,93766	3,1961343	3,034985333	-0,161149	0,894312533	---	
17371078	4,14015	4,280137	4,087814	4,021237	4,243503	3,759938	4,169367	4,008226	-0,161141	0,894317493	---	
17246459	4,942322	4,952943	4,833617	4,89722	4,549192	4,799084	4,9096273	4,748498667	-0,16112867	0,894325138	Olfr824	
17244189	7,371085	7,790782	7,724672	7,585184	7,49914	7,318886	7,6288463	7,467736667	-0,16110967	0,894336916	---	
17245367	3,658184	3,569824	3,671673	3,322873	3,784935	3,308623	3,633227	3,472143667	-0,16108333	0,89435324	---	
17328621	4,364412	4,340598	4,41922	4,026335	4,29306	4,321602	4,3747433	4,213665667	-0,16107767	0,894356753	Mir130b	
17516784	5,273257	5,276219	4,863919	5,010637	4,960847	4,958723	5,1377983	4,976735667	-0,16106267	0,894366052	Fxyd2	
17306424	9,998523	10,2827	10,11219	10,05177	9,884974	9,973485	10,131138	9,970076333	-0,16106133	0,894366879	---	
17524698	9,255301	9,007925	9,025578	8,820899	8,982553	9,002208	9,096268	8,93522	-0,161048	0,894375144	Cdkn2d	
17237130	3,24711	3,409209	3,204413	3,113722	3,237534	3,02638	3,2869107	3,125878667	-0,161032	0,894385063	---	
17550779	3,252679	3,021021	3,080153	2,977757	3,046984	2,84604	3,117951	2,956927	-0,161024	0,894390023	---	
17437850	5,378396	5,553225	5,452376	5,306271	5,325387	5,269396	5,4613323	5,300351333	-0,160981	0,894416681	---	
17300944	7,325624	7,495487	7,365192	7,16411	7,317075	7,222197	7,3954343	7,234460667	-0,16097367	0,894421227	Mrp63	
17510212	6,200442	6,175659	6,132624	5,881336	6,154265	5,990252	6,169575	6,008617667	-0,16095733	0,894431354	Kcnn1	
17200971	6,561518	6,998091	6,54557	6,746325	6,472519	6,403502	6,7017263	6,540782	-0,16094433	0,894439413	---	
17486701	3,605672	3,869382	3,500234	3,579973	3,337711	3,574824	3,6584293	3,497502667	-0,16092667	0,894450366	Gm19482	
17334495	8,445934	8,538634	8,696463	8,336054	8,368685	8,493542	8,5603437	8,399427	-0,16091667	0,894456566	Nme3	
17226531	5,229821	5,22074	5,267412	5,120633	4,993963	5,120633	5,2393243	5,078409667	-0,16091467	0,894457806	Lct	
17287296	4,285643	4,242439	4,167661	3,918615	4,024483	4,269937	4,2319143	4,071011667	-0,16090267	0,894465246	Gm8777	
17475187	7,40558	7,332246	7,416733	7,285577	7,092555	7,293751	7,384853	7,223961	-0,160892	0,894471859	9130221H12Rik	
17494429	3,893989	4,047257	4,058851	4,217448	3,893989	3,406008	4,0000323	3,839148333	-0,160884	0,894476819	---	
17206437	4,721881	4,733321	4,729782	4,904246	4,483037	4,315183	4,728328	4,567488667	-0,16083933	0,894504513	---	
17354730	6,829121	7,036922	6,987485	6,724969	6,810756	6,835312	6,951176	6,790345667	-0,16083033	0,894510094	Slc26a2	
17413528	7,84725	7,979286	8,009459	7,794832	7,636312	7,922369	7,9453317	7,784504333	-0,16082733	0,894511954	Melk	
17321217	6,303873	6,093709	6,413723	5,947289	6,146825	6,234777	6,270435	6,109630333	-0,16080467	0,894526008	Olfr283	
17206377	3,782776	3,104306	3,286886	3,04607	3,22985	3,415691	3,3913227	3,230537	-0,16078567	0,894537789	---	
17322227	5,839297	6,045217	5,794977	5,781806	5,726003	5,689411	5,8931637	5,732406667	-0,160757	0,894555563	---	
17219848	7,816553	8,130696	7,801368	7,719784	7,689853	7,856711	7,9162057	7,755449333	-0,16075633	0,894555977	Exo1	
17481161	4,877733	4,387209	4,049793	4,640335	4,027747	4,164464	4,438245	4,277515333	-0,16072967	0,894572512	Olfr572	
17445898	4,493845	4,147978	4,458202	4,170806	4,322243	4,124817	4,366675	4,205955333	-0,16071967	0,894578713	Slc26a5	
17286150	4,085049	4,097799	4,062322	3,785398	4,253666	3,723969	4,0817233	3,921011	-0,16071233	0,89458326	Prl3b1	
17536381	3,667503	3,497956	4,346511	3,726757	3,482378	3,820782	3,8373233	3,676639	-0,16068433	0,894600622	---	
17493972	4,460833	4,249869	4,216827	4,182317	3,964265	4,298896	4,3091763	4,148492667	-0,16068367	0,894601035	3200002M19Rik // 3200002M19Rik	
17467104	3,221926	3,184374	3,445772	2,982854	3,144221	3,243138	3,284024	3,123404333	-0,16061967	0,894640722	---	
17210045	6,043237	6,111249	5,662259	5,894253	5,744318	5,696352	5,938915	5,778307667	-0,16060733	0,89464837	---	
17547612	5,195914	5,127019	5,621787	5,191847	5,240497	5,030645	5,3149067	5,154329667	-0,160577	0,894667181	Gm10278	
17369838	4,521993	4,189236	4,169387	3,997849	4,156183	4,244901	4,2935387	4,132977667	-0,160561	0,894677103	---	
17349361	7,725787	8,142601	7,93565	7,79675	7,921231	7,604377	7,9346793	7,774119333	-0,16056	0,894677723	2410004N09Rik	
17294016	8,205056	8,450614	8,609933	8,329903	8,333012	8,121143	8,4218677	8,261352667	-0,160515	0,89470563	A530054K11Rik	
17321823	5,467306	5,573766	6,063401	5,347078	5,582115	5,693803	5,701491	5,540998667	-0,16049233	0,894719687	Krt80	
17233532	3,092203	3,081098	3,118135	2,978894	3,055734	2,775387	3,0971453	2,936671667	-0,16047367	0,894731264	---	
17203449	6,468116	6,374133	5,970798	5,923526	6,740281	5,668074	6,2710157	6,110627	-0,16038867	0,894783981	---	
17316780	6,826921	7,075036	6,500442	6,547033	6,594882	6,779323	6,8007997	6,640412667	-0,160387	0,894785014	Angpt1	
17359394	7,166866	7,093678	7,070308	6,985112	6,920615	6,943997	7,110284	6,949908	-0,160376	0,894791837	Ccnj	
17367443	4,559497	4,329397	4,327743	4,208442	4,297175	4,22999	4,4055457	4,245202333	-0,16034333	0,894812098	---	

17206697	3,641625	3,776661	4,094137	3,638289	3,794809	3,59831	3,8374743	3,677136	-0,16033833	0,894815199	---	
17392209	8,52892	8,899356	8,566159	8,455985	8,466038	8,591636	8,6648117	8,504553	-0,16025867	0,894864613	Esf1	
17305856	9,103263	9,29952	9,116831	9,017776	8,999496	9,021581	9,1732047	9,012951	-0,16025367	0,894867714	Exoc5	
17337566	3,174084	3,524737	3,268494	2,984306	3,258284	3,243993	3,3224383	3,162194333	-0,160244	0,89487371	Olfr107	
17307403	9,955105	10,16086	10,06738	9,833094	9,985869	9,883664	10,061115	9,900875667	-0,16023933	0,894876605	Nupl1	
17509676	4,833166	4,616037	4,616649	4,59784	4,552489	4,434832	4,6886173	4,528387	-0,16023033	0,894882187	Gm10664	
17313654	7,831923	7,95599	8,201906	7,863878	7,795524	7,849739	7,9966063	7,836380333	-0,160226	0,894884875	Tspo	
17540237	5,968116	5,889179	6,108312	5,874025	5,83529	5,775656	5,9885357	5,828323667	-0,160212	0,894893559	Gm10489	
17264538	4,736817	4,828137	4,89902	4,691711	4,55107	4,740706	4,8213247	4,661162333	-0,16016233	0,894924368	Gucy2e	
17201843	3,605428	3,162144	4,393432	3,444534	3,674273	3,56172	3,7203347	3,560175667	-0,160159	0,894926435	---	
17335431	5,068117	4,680926	4,949248	4,682485	4,792123	4,743209	4,8994303	4,739272333	-0,160158	0,894927056	1700030A11Rik	
17220464	4,752008	4,698491	4,952711	4,441126	4,739705	4,742048	4,80107	4,640959667	-0,16011033	0,894956624	Hhipl2	
17422978	3,526206	3,256954	3,359094	3,381065	3,021179	3,259685	3,3807513	3,220643	-0,16010833	0,894957865	---	
17389994	4,114688	4,265385	4,438285	4,128696	4,108957	4,100445	4,272786	4,112699333	-0,16008667	0,894971306	Mapkbp1 // Mapkbp1	
17327331	8,396025	8,455918	8,481421	8,260075	8,331079	8,261953	8,4444547	8,284369	-0,16008567	0,894971926	Chaf1b	
17359965	9,609065	9,385909	9,459818	9,205847	9,601657	9,167054	9,4849307	9,324852667	-0,160078	0,894976682	---	
17204977	3,425875	3,413514	3,56083	3,151805	3,053003	3,715233	3,4667397	3,306680333	-0,16005933	0,894988262	---	
17252400	9,7843	9,406406	9,561144	9,394867	9,430513	9,44644	9,58395	9,42394	-0,16001	0,895018867	---	
17525379	7,378239	7,429241	7,558563	7,256237	7,405015	7,22479	7,4553477	7,295347333	-0,16000033	0,895024864	Fam118b	
17455159	9,954081	9,766905	10,03695	9,786158	9,645879	9,846028	9,919312	9,759355	-0,159957	0,895051748	Cyp3a44	
17261166	3,878463	3,600988	3,693565	3,321009	3,729025	3,643126	3,7243387	3,564386667	-0,159952	0,89505485	---	
17262679	6,382248	6,304667	6,434736	6,261871	6,055155	6,324898	6,3738837	6,213974667	-0,159909	0,895081528	A430108G06Rik	
17268071	5,467116	4,774066	5,69661	5,021389	5,592553	4,844124	5,3125973	5,152688667	-0,15990867	0,895081734	Tmem92	
17493405	7,743833	7,242106	7,577904	7,343941	7,325775	7,414435	7,521281	7,361383667	-0,15989733	0,895088766	---	
17489682	5,732049	5,447575	5,912954	5,517014	5,918797	5,177079	5,697526	5,53763	-0,159896	0,895089593	Kctd15	
17497303	5,056146	4,977923	5,372512	4,857476	5,1834	4,886264	5,135527	4,975713333	-0,15981367	0,895140677	Fam196a	
17531357	3,661706	4,059053	3,44928	3,468678	3,491985	3,729982	3,7233463	3,563548333	-0,159798	0,895150397	Fbxw22	
17548640	3,724676	3,497201	3,432041	3,473355	3,438614	3,26271	3,551306	3,391559667	-0,15974633	0,895182456	---	
17321221	4,149824	3,993668	4,212714	3,990443	4,034039	3,852541	4,1187353	3,959007667	-0,15972767	0,895194038	Lalba	
17202501	6,913948	7,823025	7,097004	7,456307	6,587914	7,310652	7,2779923	7,118291	-0,15970133	0,895210378	---	
17277267	6,837512	7,0343	6,692657	6,691026	6,492663	6,901857	6,854823	6,695182	-0,159641	0,895247817	Aldh6a1 // Aldh6a1	
17364707	8,352553	8,330036	8,458998	8,157343	8,34065	8,164758	8,380529	8,220917	-0,159612	0,895265812	Arhgap19	
17440194	8,78221	8,629625	8,726333	8,492392	8,60673	8,560368	8,7127227	8,553163333	-0,15955933	0,895298495	Dr1	
17201375	3,756519	3,82134	3,612178	3,429802	3,996842	3,284769	3,7300123	3,570471	-0,15954133	0,895309666	---	
17409540	10,64744	10,61342	10,89129	11,11064	10,4401	10,12281	10,717383	10,55785	-0,15953333	0,89531463	Amy2a5	
17281895	8,055402	8,221657	7,900911	7,802119	7,850868	8,046427	8,0593233	7,899804667	-0,15951867	0,895323732	Trmt5	
17289239	8,664282	8,540462	8,398294	8,22255	8,520238	8,38171	8,534346	8,374832667	-0,15951333	0,895327042	Tbca	
17386639	7,749594	7,724546	7,461806	7,481986	7,336988	7,638528	7,6453153	7,485834	-0,15948133	0,895346901	Lnp	
17517379	4,838103	4,604384	5,118298	4,633793	4,801063	4,647698	4,853595	4,694184667	-0,15941033	0,895390966	Sh2d7	
17233702	4,819159	4,848953	4,917533	4,912769	4,536959	4,657719	4,8618817	4,702482333	-0,15939933	0,895397793	Nodal	
17286916	3,889142	3,980263	4,190884	4,047985	3,801384	3,73289	4,0200963	3,860753	-0,15934333	0,895432549	Gm5083	
17496352	7,279759	6,905648	6,733375	6,859684	6,713838	6,867256	6,9729273	6,813592667	-0,15933467	0,895437928	Ccdc101 // Ccdc101	
17203465	6,040153	5,868506	6,042804	5,856272	5,727028	5,890193	5,983821	5,824497667	-0,15932333	0,895444963	---	
17245463	4,501802	4,803865	4,582711	4,658644	4,413335	4,338491	4,6294593	4,470156667	-0,15930267	0,89545779	---	
17364986	8,929778	8,61799	8,688326	8,776505	8,470406	8,51132	8,7453647	8,586077	-0,15928767	0,8954671	---	
17224617	6,048964	5,724909	5,985196	5,574247	5,815892	5,89111	5,9196897	5,760416333	-0,15927333	0,895475997	LOC100862164	
17437278	9,523389	9,66259	9,621742	9,412897	9,337669	9,579397	9,6025737	9,443321	-0,15925267	0,895488825	Ncapg	
17200949	3,752891	4,173892	4,090927	3,625546	4,073814	3,840697	4,0059033	3,846685667	-0,15921767	0,89551055	---	
17503866	4,923491	4,822942	4,722647	4,567081	4,66817	4,756191	4,8230267	4,663814	-0,15921267	0,895513653	Slc6a2	
17472756	4,558686	4,652302	4,576455	4,170611	4,652238	4,486973	4,5958143	4,436607333	-0,159207	0,895517171	---	
17207917	5,164009	4,58199	6,083699	5,127447	5,145728	5,07897	5,276566	5,117381667	-0,15918433	0,895531241	---	
17441949	7,310053	7,580588	7,429241	7,304484	7,403806	7,134043	7,4399607	7,280777667	-0,159183	0,895532068	Aldh2 // Aldh2	
17548336	3,555048	3,781075	3,354862	3,493508	3,427852	3,292084	3,5636617	3,404481333	-0,15918033	0,895533724	LOC636187	
17238695	3,010978	2,991066	2,87545	2,840482	2,800934	2,758567	2,9591647	2,799994333	-0,15917033	0,895539931	Olfr813	
17548906	7,138634	6,977185	7,005609	6,843596	6,932033	6,868355	7,040476	6,881328	-0,159148	0,895553794	D1Ertd448e	
17542897	4,027103	3,937458	3,941779	3,763699	4,008042	3,65721	3,96878	3,809650333	-0,15912967	0,895565175	Gm6927	
17206009	6,423838	6,580274	3,788274	5,784219	4,691483	5,839297	5,597462	5,438333	-0,159129	0,895565589	---	
17547076	3,833211	5,456873	4,834887	4,100209	5,39702	4,150367	4,7083237	4,549198667	-0,159125	0,895568072	LOC100039675	
17479069	6,079883	6,118201	6,600237	6,035626	6,235928	6,049548	6,266107	6,107034	-0,159073	0,895600352	Lysmd4	
17457971	6,710461	6,215526	6,344429	6,213764	6,321262	6,258193	6,423472	6,264406333	-0,15906567	0,895604904	Olfr452	
17303433	5,822807	5,960298	5,937054	5,87663	5,624848	5,741579	5,9067197	5,747685667	-0,159034	0,895624563	Fam107a	
17285687	5,669599	6,00936	6,082056	5,864369	5,601641	5,818102	5,9203383	5,761370667	-0,15896767	0,895665743	Hist1h4m	
17528583	4,724851	4,674437	4,832145	4,755837	4,53094	4,467763	4,743811	4,584846667	-0,15896433	0,895667813	---	
17366484	6,945322	7,196106	7,06166	6,894553	6,961877	6,869879	7,067696	6,908769667	-0,15892633	0,895691405	Bend7	
17500957	4,950301	5,167684	5,24245	5,070158	4,979178	4,834352	5,120145	4,961229333	-0,15891567	0,895698027	Lrp2bp	
17551119	5,173528	5,284367	5,065893	4,831939	5,108038	5,107179	5,174596	5,015718667	-0,15887733	0,895721827	---	
17439960	3,314497	3,501966	3,440123	3,260337	3,223949	3,295763	3,418862	3,260016333	-0,15884567	0,895741488	LOC100503112 // LOC100503112	
17299773	7,894021	7,343112	7,89392	7,536629	7,504581	7,613362	7,710351	7,551524	-0,158827	0,895753077	---	
17317801	4,984618	5,266396	5,35101	4,931783	5,131918	5,061904	5,2006747	5,041868333	-0,15880633	0,895765909	Kcnk9	
17547883	4,511153	4,615139	4,903115	4,489961	4,644277	4,41886	4,676469	4,517699333	-0,15876967	0,895788676	Ptk2 // Ptk2	
17425028	10,91648	11,01731	11,08683	10,73143	10,87166	10,94123	11,006873	10,84810667	-0,15876667	0,895790538	Hemgn	
17370804	5,115634	5,513033	5,579493	5,491622	5,006437	5,233827	5,40272	5,243962	-0,158758	0,89579592	Gm13540 // Bloc1s2	
17472233	4,287914	3,9124	4,340818	3,928379	4,085632	4,050886	4,1803773	4,021632333	-0,158745	0,895803992	---	
17354101	6,803682	6,631678	6,907321	6,686986	6,780446	6,399082	6,7808937	6,622171333	-0,15872233	0,895818066	Dpysl3	
17317044	3,435254	3,472517	3,37998	3,295018	3,148105	3,368675	3,4292503	3,270599333	-0,158651	0,89586236	Mir28c // Mir28c	
17477679	7,349788	7,169633	7,135079	6,794016	7,446363	6,938169	7,2181667	7,059516	-0,15865067	0,895862567	Nosip	
17398509	10,82046	11,11317	11,12065	10,81823	10,86508	10,89511	11,018093	10,85947333	-0,15862	0,895881611	LOC100862155	
17333184	5,926055	6,088211	5,984185	5,692732	5,949106	5,880882	5,9994837	5,840906667	-0,158577	0,895908313	---	
17455494	9,22812	9,30329	9,568223	9,261271	9,227304	9,135378	9,3665443	9,207984333	-0,15856	0,89591887	---	
17308361	9,040244	8,984975	9,164829	8,937106	8,848063	8,929237	9,0633493	8,904802	-0,15854733	0,895926736	Bmp1	
17524904	6,521297	6,484028	6,555074	6,528387	6,276523	6,280115	6,520133	6,361675	-0,158458	0,895982215	Zfp653	
17436927	4,956158	4,92782	5,307907	4,822054	5,288487	4,605977	5,0639617	4,905506	-0,15845567	0,895983664	Psapl1	
17204675	5,441532	6,225595	5,945347	6,016351	5,108429	6,012352	5,8708247	5,712377333	-0,15844733	0,895988839	---	
17206211	3,044846	3,137095	3,065585	3,034678	2,950986	2,786772	3,0825087	2,924145333	-0,15836333	0,896041009	---	
17232786	5,379281	4,94338	5,061743	5,162843	4,820032	4,926574	5,1281347	4,969816333	-0,15831833	0,896068958	Wasf1	
17379960	6,920504	7,117899	6,875709	6,880778	6,714133	6,844269	6,9713707	6,81306	-0,15831067	0,89607372	Ptpn1	
17286412	4,479184	4,293821	4,38798	4,078614	4,415594	4,191949	4,386995	4,228719	-0,158276	0,896095252	Serpinb9f	
17357018	5,712855	5,252332	5,261516	5,28276	5,154336	5,314794	5,408901	5,25063	-0,158271	0,896098358	---	
17250909	5,631856	5,962401	5,81728	5,692743	5,695872	5,548159	5,8038457	5,645591333	-0,15825433	0,89610871	Zkscan6	
17345696	7,252718	7,659281	7,376466	7,134767	7,24854	7,430396	7,4294883	7,271234333	-0,158254	0,896108917	Bysl	
17251220	6,28884	5,898368	6,072824	6,002542	5,703988	6,07876	6,0866773	5,92843	-0,15824733	0,896113058	---	
17547554	7,016603	6,791161	6,813429	6,478668	6,725376	6,94248	6,873731	6,715508	-0,158223	0,896128173	Ndufa12 // Ndufa12	
17385838	7,232514	7,469675	6,99295	6,712179	7,076856	7,431566	7,231713	7,073533667	-0,15817933	0,896155297	---	
17231387	8,08551	8,239689	8,181983	7,988225	8,034364	8,010137	8,1690607	8,010908667	-0,158152	0,896172275	Mtnfd1l	
17378438	3,873398	3,609703	4,010139	3,709562	3,542242	3,767044	3,83108	3,672949333	-0,15813067	0,896185527	Mir499	
17308999	9,127224	9,675239	9,41197	9,2472	9,117679	9,375186	9,404811	9,246688333	-0,15812267	0,896190497	---	
17508684	3,929938	3,945172	3,90519	3,695627	3,710394	3,899929	3,9267667	3,76865	-0,15811667	0,896194224	---	
17536961	5,371561	5,949644	5,147738	5,315274	5,366244	5,313097	5,4896477	5,331538333	-0,15810933	0,896198779	Chic1	
17537241	4,873206	4,868878	4,838596	4,612679	4,836471	4,657237	4,8602267	4,702129	-0,15809767	0,896206027	4933403O08Rik	
17550837	4,174264	4,136544	4,290826	3,928227	4,358126	3,841037	4,2005447	4,042463333	-0,15808133	0,896216173	---	
17277193	3,304644	3,136693	2,978837	2,858703	3,024117	3,06322	3,140058	2,982013333	-0,15804467	0,896238951	---	
17250205	9,139627	9,151675	9,163631	9,043728	8,98964	8,947523	9,1516443	8,993630333	-0,158014	0,896258002	2310033P09Rik	
17322426	4,465799	4,356989	4,100959	4,359903	4,030746	4,059121	4,3079157	4,149923333	-0,15799233	0,896271462	---	
17285612	3,199505	3,601882	3,537759	2,941316	3,291214	3,63267	3,446382	3,2884	-0,157982	0,896277882	---	
17332345	4,034836	4,983486	4,998517	4,615885	4,324059	4,602997	4,6722797	4,514313667	-0,157966	0,896287822	---	
17470088	4,65804	4,753409	4,712092	4,186762	5,050227	4,412673	4,707847	4,549887333	-0,15795967	0,896291757	1700030F04Rik	
17356401	8,033913	8,344187	7,986501	7,935511	7,933609	8,021704	8,1215337	7,963608	-0,15792567	0,89631288	Eif1ad	
17547871	5,438895	5,315446	5,258464	5,13295	5,154736	5,251408	5,3376017	5,179698	-0,15790367	0,896326548	Zfp706 // Zfp706	
17299998	6,820558	6,777404	6,996775	6,947344	6,547498	6,626187	6,8649123	6,707009667	-0,15790267	0,896327169	---	
17506279	6,796556	6,970391	6,676076	6,708638	6,589133	6,671661	6,8143743	6,656477333	-0,157897	0,89633069	Irf8	
17326445	3,291558	3,397682	3,145593	2,943443	3,147515	3,27023	3,2782777	3,120396	-0,15788167	0,896340217	Olfr183	
17281453	4,053931	4,027286	4,277157	4,020249	3,979072	3,885476	4,119458	3,961599	-0,157859	0,896354299	---	
17262702	7,960618	8,325465	8,180959	8,020392	7,934912	8,038228	8,1556807	7,997844	-0,15783667	0,896368175	Rad50	
17493683	9,338938	9,536305	9,624055	9,4154	9,451645	9,158745	9,499766	9,34193	-0,157836	0,896368589	Snord15a	
17427939	5,453847	5,327361	5,404275	5,230855	5,072167	5,409136	5,395161	5,237386	-0,157775	0,896406491	Dmrtb1	
17551165	5,427999	6,509699	5,653541	5,84769	5,948707	5,321553	5,8637463	5,705983333	-0,157763	0,89641397	---	
17475322	4,789625	4,288763	4,703792	4,392453	4,571071	4,345368	4,59406	4,436297333	-0,15776267	0,896414154	B3gnt8	
17319524	5,681783	5,51128	5,91726	5,183613	5,645721	5,807946	5,703441	5,54576	-0,157681	0,896464899	Tef // Tef	
17235939	9,266015	9,572428	9,452537	9,13056	9,450655	9,236818	9,4303267	9,272677667	-0,157649	0,896484783	---	
17341608	6,44997	6,220953	6,791819	6,211058	6,397032	6,381931	6,4875807	6,330007	-0,15757367	0,896531596	Flywch1	
17335467	8,851458	8,980539	9,022912	8,769957	8,828778	8,783494	8,9516363	8,794076333	-0,15756	0,896540089	Cdkn1a	
17205479	5,461948	5,266078	5,717957	5,662218	5,576964	4,734133	5,4819943	5,324438333	-0,157556	0,896542575	---	
17201337	3,3778	3,157548	3,708888	3,124372	3,256957	3,390286	3,4147453	3,257205	-0,15754033	0,896552311	---	
17278894	9,077425	8,936111	9,014509	8,77587	8,866571	8,913027	9,0093483	8,851822667	-0,15752567	0,896561425	Ppp2r5c	
17363025	6,348052	6,189959	6,267832	6,075619	6,066481	6,191189	6,2686143	6,111096333	-0,157518	0,89656619	Stx3	
17310893	9,663819	9,6943	9,623259	9,507999	9,444137	9,556718	9,6604593	9,502951333	-0,157508	0,896572404	Mtdh	
17208585	4,880862	4,875131	4,697188	4,65323	4,569513	4,758005	4,817727	4,660249333	-0,15747767	0,896591255	---	
17204837	7,035756	7,633376	7,48302	7,370936	7,201405	7,107403	7,3840507	7,226581333	-0,15746933	0,896596434	---	
17209723	4,6642	4,47722	4,430196	4,123644	4,888331	4,087239	4,523872	4,366404667	-0,15746733	0,896597677	---	
17204605	6,474744	6,276592	7,111765	6,446069	6,778557	6,166078	6,6210337	6,463568	-0,15746567	0,896598713	---	
17526729	4,883865	4,638371	4,767807	4,58132	4,585334	4,651143	4,7633477	4,605932333	-0,15741533	0,896629994	Htr3b	
17457022	5,704445	5,430646	5,600427	5,47076	5,451698	5,340837	5,578506	5,421098333	-0,15740767	0,896634759	---	
17342002	8,295486	7,866383	7,772733	7,455506	7,843534	8,163341	7,9782007	7,820793667	-0,157407	0,896635173	---	
17479188	5,054031	4,950049	4,7347	5,24714	4,526951	4,492568	4,9129267	4,755553	-0,15737367	0,89665589	LOC100861851	

17370511	7,7166	7,739029	7,560976	7,385269	7,663608	7,495659	7,6722017	7,514845333	-0,15735633	0,896666663	Arpc5l
17380441	7,279374	7,280278	7,045174	7,033416	6,753181	7,34635	7,2016087	7,044315667	-0,157293	0,896706027	---
17512938	8,766901	9,151662	9,242905	8,939916	8,931866	8,817823	9,0538227	8,896535	-0,15728767	0,896709342	Snord111
17463806	6,412601	6,220758	6,506654	6,333864	6,163651	6,170684	6,3800043	6,222733	-0,15727133	0,896719494	Gm8994
17355009	10,17318	10,30831	10,3468	10,04282	10,2279	10,08577	10,276097	10,11883	-0,15726667	0,896722395	Nars
17299916	6,479305	5,772868	5,966714	5,932918	5,91182	5,902364	6,0729623	5,915700667	-0,15726167	0,896725503	---
17316802	3,880409	3,86738	3,771286	3,690685	3,648056	3,708608	3,8396917	3,682449667	-0,157242	0,896737727	---
17321663	3,987906	3,649476	4,159608	3,860679	3,753487	3,711147	3,93233	3,775104333	-0,15722567	0,896747879	Gm9763
17546790	7,891466	8,098319	8,443531	8,28124	7,852745	7,827778	8,1444387	7,987254333	-0,15718433	0,896773571	---
17300650	7,594583	7,95448	7,913063	7,630091	7,721029	7,639475	7,8207087	7,663531667	-0,157177	0,89677813	2610027L16Rik
17238689	4,015686	4,02524	3,561666	4,113739	3,774991	3,242365	3,8675307	3,710365	-0,15716567	0,896785175	Olfr808
17240727	3,060319	3,488163	2,939525	2,973156	2,931065	3,112321	3,162669	3,005514	-0,157155	0,896791805	---
17345057	3,877194	4,127178	3,838586	3,780097	3,733764	3,857706	3,9476527	3,790522333	-0,15713033	0,896807138	E130008D07Rik
17476728	9,412036	9,527976	9,648807	9,271072	9,474098	9,372307	9,5296063	9,372492333	-0,157114	0,896817291	Cebpa
17444585	3,865834	3,892241	3,703569	3,801812	3,584777	3,603716	3,820548	3,663435	-0,157113	0,896817913	1700018F24Rik
17279102	6,977623	7,068594	7,041927	6,795503	6,925695	6,89567	7,0293813	6,872289333	-0,157092	0,896830967	Cdc42bpb
17547947	10,10904	10,33196	10,15303	10,05929	10,05454	10,00893	10,19801	10,04092	-0,15709	0,896832211	1500003O03Rik // 1500003O03Rik
17363488	8,187866	8,317357	8,263906	8,064783	8,179584	8,053635	8,2563763	8,099334	-0,15704233	0,896861842	1110059E24Rik
17524348	3,460149	3,058971	3,024402	3,112085	3,079613	2,880739	3,181174	3,024145667	-0,15702833	0,896870546	Olfr862
17445543	11,33279	11,05518	10,95505	10,83802	11,06492	10,96908	11,11434	10,95734	-0,157	0,89688816	Crot
17463434	6,73963	6,830752	6,953378	6,740077	6,753346	6,559702	6,8412533	6,684375	-0,15687833	0,8969638	Gm10069
17341704	9,027996	9,089499	8,382212	8,893024	7,978943	9,157167	8,8332357	8,676378	-0,15685767	0,896976649	---
17272780	5,410877	5,696829	5,867746	5,486588	5,452712	5,565654	5,658484	5,501651333	-0,15683267	0,896992193	BC100451
17205227	4,486202	4,385407	4,56906	4,048557	4,090555	4,831068	4,480223	4,323393333	-0,15682967	0,896994058	---
17209417	4,486202	4,385407	4,56906	4,048557	4,090555	4,831068	4,480223	4,323393333	-0,15682967	0,896994058	---
17323465	8,818541	8,94552	8,415326	8,332961	8,600167	8,775813	8,7264623	8,569647	-0,15681533	0,89700297	Snap29
17407706	5,852075	6,168194	6,662994	6,178658	6,465281	5,56899	6,2277543	6,070976333	-0,156778	0,897026182	---
17234711	6,596922	6,5392	6,476034	6,390312	6,4168	6,334812	6,5373853	6,380641333	-0,156744	0,897047323	Gm10142
17361996	7,235544	7,189918	6,905629	7,005465	7,205572	6,649967	7,1103637	6,953668	-0,15669567	0,897077376	Ppp2r5b
17237564	6,274617	6,405741	6,434996	6,336854	6,268034	6,040411	6,3717847	6,215099667	-0,156685	0,897084009	Mdm1
17316977	4,605639	4,551086	4,692618	4,691941	4,210598	4,476751	4,6164477	4,459763333	-0,15668433	0,897084423	Mir1907
17544196	4,982557	4,770263	4,842607	4,765393	4,641033	4,719071	4,8651423	4,708499	-0,15664333	0,897109918	Hdx
17362399	4,514174	4,580198	4,584455	4,393752	4,383013	4,432297	4,559609	4,403020667	-0,15658833	0,897144119	Slc22a28
17387736	2,991702	2,862619	3,097378	2,894671	2,864098	2,723228	2,9838997	2,827332333	-0,15656733	0,897157178	Olfr1107
17232722	4,099769	4,195184	4,521742	4,087124	3,665691	4,594253	4,2722317	4,115689333	-0,15654233	0,897172725	---
17433231	4,999775	5,395557	5,769327	5,756422	5,36473	4,573882	5,3882197	5,231678	-0,15654167	0,89717314	---
17271905	5,984561	5,61697	6,188512	5,682387	5,878487	5,759706	5,9300143	5,773526667	-0,15648767	0,897206721	4933422H20Rik // 4933422H20Rik
17302331	7,592531	7,641606	7,804094	7,413105	7,448996	7,706692	7,6794103	7,522931	-0,15647933	0,897211904	Gm5088
17448050	6,636503	6,403821	6,507348	6,465658	6,324118	6,288473	6,5158907	6,359416333	-0,15647433	0,897215013	Ccdc149
17204731	4,965052	4,71735	5,175298	5,391599	4,196072	4,800708	4,9525667	4,796126333	-0,15644033	0,897236158	---
17255258	6,446068	6,435954	6,473236	6,363872	6,375134	6,146943	6,4517527	6,295316333	-0,15643633	0,897238646	---
17450942	3,962718	3,971126	3,837287	3,794608	3,761317	3,745921	3,9237103	3,767282	-0,15642833	0,897243621	Gm10416
17431032	3,901471	3,989371	4,191411	3,95304	3,920585	3,739357	4,0274177	3,870994	-0,15642367	0,897246524	1810019J16Rik
17525706	3,380501	3,129589	3,190819	3,016211	3,071932	3,143505	3,2336363	3,077216	-0,15642033	0,897248597	Olfr146
17463387	6,327255	5,981498	6,371326	6,231153	5,907571	6,072156	6,226693	6,070293333	-0,15639967	0,89726145	Tspan11
17229865	4,709242	4,476901	5,024583	4,529053	4,593472	4,619147	4,7369087	4,580557333	-0,15635133	0,897291511	Atp1a4
17509118	4,068871	3,99159	3,734881	3,949244	3,750333	3,626775	3,9317807	3,775450667	-0,15633	0,897304779	D330022K07Rik
17394980	4,856183	4,660779	4,715635	4,527512	4,659091	4,577126	4,744199	4,587909667	-0,15628933	0,897330073	Gm16796
17209823	5,978632	6,403636	7,132668	6,647799	6,069395	6,328882	6,5049787	6,348692	-0,15628667	0,897331731	---
17266466	7,063743	7,165652	6,89373	6,817984	6,935842	6,900486	7,0410417	6,884770667	-0,156271	0,897341476	Tmem199
17330437	4,670978	4,731528	4,835856	4,832341	4,502401	4,434871	4,7461207	4,589871	-0,15624967	0,897354745	4930435E12Rik
17355953	7,521399	7,328242	7,849148	7,637137	7,281714	7,3112	7,566263	7,410017	-0,156246	0,897357026	---
17479415	4,137809	4,171049	4,611982	4,228603	4,089511	4,134009	4,3069467	4,150707667	-0,156239	0,89736138	AI854517
17407382	3,439405	3,417786	3,417409	3,209402	3,169758	3,426807	3,4248667	3,268655667	-0,156211	0,897378796	Prr9
17239589	5,364727	4,794019	5,015192	4,922221	4,839506	4,94362	5,0579793	4,901782333	-0,156197	0,897387504	4930444F02Rik
17401586	6,034202	6,07746	6,347501	5,811078	6,126889	6,052639	6,1530543	5,996868667	-0,15618567	0,897394554	---
17366623	5,892324	5,437087	5,991141	5,722284	5,465205	5,664524	5,7735173	5,617337667	-0,15617967	0,897398286	---
17333465	6,168483	6,290397	6,357028	5,753208	6,369867	6,224295	6,2719693	6,11579	-0,15617933	0,897398493	Smoc2
17447032	5,422275	5,205897	5,383235	5,229313	5,096681	5,216959	5,3371357	5,180984333	-0,15615133	0,89741591	---
17371146	6,592893	6,663139	6,585489	6,292695	6,627365	6,45308	6,6138403	6,457713333	-0,156127	0,897431047	---
17284334	4,169835	3,935018	4,107833	3,664582	4,162948	3,916781	4,0708953	3,914770333	-0,156125	0,897432291	Ighg
17256862	3,874884	3,823733	3,75322	3,567678	3,694432	3,721355	3,817279	3,661155	-0,156124	0,897432913	1700006E09Rik
17550733	4,425193	4,315589	4,431483	3,933789	4,516874	4,253233	4,390755	4,234632	-0,156123	0,897433535	---
17496589	8,765095	8,729889	8,788424	8,499621	8,643581	8,671865	8,761136	8,605022333	-0,15611367	0,897439341	Qprt
17538801	9,552071	9,591407	9,639078	9,29773	9,772076	9,244415	9,5941853	9,438073667	-0,15611167	0,897440585	---
17391447	8,420753	8,881181	8,653521	8,239305	8,655907	8,591915	8,6518183	8,495709	-0,15610933	0,897442036	---
17517222	4,801714	4,686448	4,652964	4,523148	4,66811	4,481637	4,7137087	4,557631667	-0,156077	0,89746215	Arhgap20
17234264	6,973187	6,874678	6,686843	6,528832	6,756901	6,780813	6,8449027	6,688848667	-0,156054	0,897476458	Gnaz
17201149	9,094146	9,410866	9,237707	8,910544	9,204887	9,159201	9,247573	9,091544	-0,156029	0,89749201	---
17208071	4,865878	5,278041	4,351156	4,808017	4,415371	4,803636	4,8316917	4,675674667	-0,156017	0,897499475	---
17391458	6,663275	8,688326	7,561136	7,505323	6,696112	8,243278	7,637579	7,481571	-0,156008	0,897505074	---
17253505	7,693849	7,678128	7,842163	7,622205	7,638413	7,485608	7,7380467	7,582075333	-0,15597133	0,897527885	Sdf2
17497366	6,030787	5,866846	6,228396	5,98627	5,922906	5,748939	6,0420097	5,886038333	-0,15597133	0,897527885	Ebf3
17344114	9,281072	9,597783	9,473173	9,382479	9,243394	9,258368	9,450676	9,294747	-0,155929	0,897554221	1110038B12Rik
17506065	3,405914	3,218485	2,866516	2,787801	3,043588	3,19178	3,1636383	3,007723	-0,15591533	0,897562724	---
17482918	4,827479	4,167233	4,47678	4,610036	4,128039	4,265673	4,4904973	4,334582667	-0,15591467	0,897563139	---
17544282	3,447255	3,697215	3,655117	3,358142	3,528242	3,445581	3,5998623	3,443988333	-0,155874	0,89758844	---
17474941	8,486695	8,729176	8,755188	8,54971	8,327726	8,626144	8,6570197	8,501193333	-0,15582633	0,897618096	Kcnn4
17419036	11,20983	11,36216	11,40673	11,13975	11,10027	11,27123	11,32624	11,17041667	-0,15582333	0,897619963	---
17281280	7,232292	7,156511	7,354065	7,155979	7,343603	6,775972	7,2476227	7,091851333	-0,15577133	0,897652317	Mbip
17260666	4,766919	4,49148	4,33407	4,371299	4,323443	4,430415	4,530823	4,375052333	-0,15577067	0,897652732	---
17548398	6,404853	6,467738	6,10461	5,967154	6,241148	6,301882	6,3257337	6,170061333	-0,15567233	0,897713917	LOC100861912
17294066	7,317086	7,706576	7,311837	7,404642	7,27497	7,188923	7,4451663	7,289511667	-0,15565467	0,897724911	Mtrr
17541846	8,511485	8,425182	8,204911	8,234696	8,1668	8,273198	8,380526	8,224898	-0,155628	0,897741504	Mmgt1
17220833	9,540633	9,70917	9,558768	9,407881	9,500201	9,433649	9,602857	9,447243667	-0,15561333	0,897750631	Lpgat1
17302138	9,278704	9,510287	9,107632	9,018904	9,189304	9,221583	9,2988743	9,143263667	-0,15561067	0,89775229	D5Ertd579e // D5Ertd579e
17409480	4,458751	4,277859	4,680961	4,304214	4,3322	4,314334	4,4725237	4,316916	-0,15560767	0,897754157	Ntng1
17291617	6,110884	5,65439	5,797018	5,602902	5,742352	5,750242	5,8540973	5,698498667	-0,15559867	0,897759757	---
17207523	7,022227	7,038009	6,865094	6,77547	6,883672	6,79944	6,97511	6,819527333	-0,15558267	0,897769714	---
17280184	7,784962	8,244056	7,537354	7,66122	7,520312	7,918124	7,8554573	7,699885333	-0,155572	0,897776352	Zfp125
17356425	8,576632	8,54604	8,584938	8,540798	8,214319	8,485909	8,5692033	8,413675333	-0,155528	0,897803733	---
17378905	5,389142	5,460664	5,440545	5,13853	5,098846	5,586435	5,430117	5,274603667	-0,15551333	0,89781286	Arhgap40
17319588	7,841115	7,976869	7,675647	7,826451	7,425565	7,775146	7,8312103	7,675720667	-0,15548967	0,897827589	Tnfrsf13c
17349876	3,720073	3,945585	3,957505	3,779778	3,713014	3,663929	3,8743877	3,718907	-0,15548067	0,897833189	Pcdhb4
17323424	6,534252	6,885244	6,51172	6,359626	6,514408	6,590785	6,6437387	6,488273	-0,15546567	0,897842525	Ube2l3 // Ube2l3
17511643	5,390695	5,560789	5,772053	5,283057	5,36268	5,611495	5,5745123	5,419077333	-0,155435	0,89786161	Ces1a
17206251	5,98867	6,072568	5,921711	6,277216	5,276218	5,963245	5,9943163	5,838893	-0,15542333	0,89786887	---
17268637	7,641821	6,47437	6,688883	6,787889	6,657323	6,893594	6,9350247	6,779602	-0,15542267	0,897869285	---
17208301	5,105666	4,210737	5,083675	3,874636	4,623611	5,435661	4,800026	4,644636	-0,15539	0,897889616	---
17379401	6,223695	6,073136	6,592975	6,034326	6,334783	6,054554	6,296602	6,141221	-0,155381	0,897895217	Rbpjl
17208905	3,449194	4,75738	3,727535	3,73188	4,109045	3,627105	3,9780363	3,822676667	-0,15535967	0,897908495	---
17300067	4,4578	4,459211	5,010191	4,048959	4,440627	4,971541	4,6424007	4,487042333	-0,15535833	0,897909324	---
17205633	5,039548	4,693068	4,230781	3,829101	5,174026	4,494233	4,6544657	4,49912	-0,15534567	0,897917208	---
17535054	3,411793	3,358178	3,541567	3,301334	3,276396	3,267787	3,4371793	3,281839	-0,15534033	0,897920527	Gm364
17203595	5,214797	5,315041	4,692224	4,5463	4,831613	5,378149	5,0740207	4,918687333	-0,15533333	0,897924884	---
17515478	5,203431	5,484457	5,230463	5,253129	5,086278	5,11304	5,306117	5,150815667	-0,15530133	0,897944801	Bmper
17218965	4,164443	4,113379	4,042342	4,050445	3,883535	3,920339	4,1067213	3,951439667	-0,15528167	0,897957042	Adcy10
17390490	6,520445	6,183919	6,538152	6,259485	6,241072	6,276154	6,414172	6,258903667	-0,15526833	0,897965341	Ppip5k1
17364585	3,450258	3,21861	3,417038	3,198017	3,077984	3,34138	3,3619687	3,206713	-0,15525567	0,897973225	C330026H20Rik
17468522	8,809034	8,872998	8,499269	8,324518	8,707434	8,683653	8,7271003	8,571868333	-0,155232	0,897987956	---
17489565	3,531605	3,689588	3,695402	3,54108	3,513845	3,396028	3,6388865	3,483651	-0,155214	0,89799916	Abpg
17245850	8,837713	8,951031	9,060458	8,886673	8,867892	8,629196	8,949734	8,794587	-0,155147	0,898040864	Mars
17210421	3,429722	3,521623	3,759326	3,553006	3,222519	3,469725	3,5702237	3,415083333	-0,15514033	0,898045014	---
17399828	4,050624	4,116728	3,943253	3,886462	3,910339	3,848396	4,0368683	3,881732333	-0,155136	0,898047712	Pglyrp4
17457981	4,215565	4,17824	3,997671	4,177551	3,718753	4,029822	4,130492	3,975375333	-0,15511667	0,898059746	Olfr448
17505069	6,771589	6,782133	6,577209	6,501662	6,585103	6,579083	6,7103103	6,555282667	-0,15502767	0,898115149	Slc7a6
17236366	4,654285	4,577715	4,423061	4,390123	4,581232	4,218663	4,551687	4,396672667	-0,15501433	0,89812345	Sycp3
17548816	4,897073	4,861392	4,820851	4,692071	4,620965	4,801305	4,859772	4,704780333	-0,15499167	0,898137561	---
17348705	3,37432	3,444191	3,286793	3,434767	3,097735	3,107872	3,3684347	3,213458	-0,15497667	0,898146899	---
17204321	5,876247	5,628163	5,564324	5,535692	5,617166	5,450979	5,689578	5,534612333	-0,15496567	0,898153747	---
17330870	5,087047	4,883277	5,040439	4,734665	5,020513	4,790705	5,0035877	4,848627667	-0,15496	0,898157275	Gm4827 // Gm4827
17202711	5,978419	5,888474	6,339282	6,161143	5,955919	5,624326	6,068725	5,913796	-0,154929	0,898176574	---
17266368	12,56343	12,73494	12,62663	12,4516	12,53298	12,47567	12,641667	12,48675	-0,15491667	0,898184253	Tlcd1 // Tlcd1
17539966	9,211554	9,335679	9,344544	9,100953	9,113267	9,212881	9,297259	9,142367	-0,154892	0,898199609	Gata1
17528894	3,706075	3,910912	3,514242	3,542083	3,621239	3,503311	3,7104097	3,555544333	-0,15486533	0,898216212	Hmgcll1
17202353	6,15133	4,421061	4,783948	5,097838	5,006662	4,787294	5,1187797	4,963931333	-0,15484833	0,898226796	---
17306937	5,314421	5,576016	5,576383	5,304955	5,179032	5,518368	5,48894	5,334118333	-0,15482167	0,898243399	Cma1
17260177	8,62324	8,681466	8,704936	8,475755	8,464787	8,604641	8,6698807	8,515061	-0,15481967	0,898244644	Mrps24
17499874	6,991858	6,873432	6,913527	6,762983	6,709706	6,841691	6,9262723	6,77146	-0,15481233	0,89824921	Thsd1
17239876	8,96015	8,884928	8,865286	8,621178	8,79709	8,827677	8,9034547	8,748648333	-0,15480633	0,898252946	2010003K15Rik
17371340	4,452994	4,563871	4,351037	4,328315	4,376654	4,198556	4,4559673	4,301175	-0,15479233	0,898261663	4932414N04Rik
17312939	8,511743	8,541183	8,667202	8,467417	8,419445	8,368958	8,573376	8,418606667	-0,15476933	0,898275983	Polr2f // Polr2f
17548723	5,026809	5,206793	5,202256	4,915446	5,018672	5,037454	5,145286	4,990524	-0,154762	0,898280549	Glce // Glce
17547672	3,63672	4,09601	3,662291	3,660239	3,729237	3,541311	3,7983403	3,643595667	-0,15474467	0,898291342	---

17496845	3,794461	3,525895	4,062057	3,822876	3,591912	3,503417	3,7941377	3,639401667	-0,154736	0,898296738	---	
17251354	6,161066	6,224669	6,271074	6,184551	5,950565	6,057496	6,2189363	6,064204	-0,15473233	0,898299021	Mfsd6l	
17444743	5,668018	5,04928	5,414511	5,203997	5,241201	5,222504	5,3772697	5,222567333	-0,15470233	0,898317701	Gm6408	
17414045	9,552134	9,518641	9,417895	9,450627	9,210725	9,363249	9,4962233	9,341533667	-0,15468967	0,898325588	E130309F12Rik	
17376649	9,4838	9,543118	9,584399	9,349536	9,51816	9,279577	9,5371057	9,382424333	-0,15468133	0,898330777	Crls1	
17311191	6,508264	6,291285	6,249447	6,145143	6,329451	6,110545	6,3496653	6,195046333	-0,154619	0,898369591	Cthrc1	
17443825	6,215466	6,178109	6,262004	6,051864	6,171788	5,968112	6,2185263	6,063921333	-0,154605	0,898378309	Gal3st4 // Gal3st4	
17415434	4,054087	4,113343	4,017498	3,843132	3,815096	4,062996	4,0616427	3,907074667	-0,154568	0,89840135	5830433M19Rik	
17282272	4,51256	4,175037	3,949419	4,198973	4,042962	3,931395	4,2123387	4,057776667	-0,154562	0,898405086	---	
17471062	7,452234	7,654078	7,244364	7,450049	7,138876	7,298065	7,4502253	7,295663333	-0,154562	0,898405086	Tapbpl	
17273253	5,747128	5,430837	5,792066	5,460699	5,658981	5,386775	5,656677	5,502151667	-0,15452533	0,89842792	Myadml2	
17433164	5,225122	5,137127	5,248913	5,238449	4,907535	5,001629	5,2037207	5,049204333	-0,15451633	0,898433524	---	
17506456	3,415058	3,986763	3,412607	3,40579	3,665408	3,279713	3,6048093	3,450303667	-0,15450567	0,898440167	---	
17484100	9,603048	9,438145	9,636966	9,513935	9,352827	9,348039	9,5593863	9,404933667	-0,15445267	0,898473173	---	
17459185	6,634001	6,298573	6,611346	6,504422	6,253732	6,322472	6,51464	6,360208667	-0,15443133	0,898486459	C130060K24Rik	
17326844	8,249792	8,401264	8,185316	8,404281	7,898273	8,070581	8,2787907	8,124378333	-0,15441233	0,898498292	---	
17275785	7,942792	8,149546	7,88138	7,796606	7,828467	7,885449	7,9912393	7,836840667	-0,15439867	0,898506804	Fam179b	
17311173	4,956215	4,783535	4,969457	4,614621	4,816398	4,815247	4,903069	4,748755333	-0,15431367	0,898559743	Baalc	
17368799	3,565584	3,17532	3,213554	3,323572	3,133449	3,034535	3,3181527	3,163852	-0,15430067	0,89856784	---	
17514316	3,14207	3,029683	3,367088	2,997798	3,133075	2,945186	3,1796137	3,025353	-0,15426067	0,898592754	---	
17516112	4,90367	4,7765	4,72775	4,878816	4,73328	4,333076	4,80264	4,648390667	-0,15424933	0,898599813	Olfr875	
17210153	3,204632	3,069369	3,34235	3,119867	3,160106	2,873634	3,2054503	3,051202333	-0,154248	0,898600643	---	
17474858	3,263949	3,338785	2,782639	3,059227	2,934267	2,929145	3,1284577	2,974213	-0,15424467	0,89860272	Vmn1r173	
17382423	4,371896	4,594306	4,92314	4,425392	4,439211	4,562034	4,6297807	4,475545667	-0,154235	0,898608741	Tubb4b	
17200993	6,807144	7,232158	7,209096	6,960181	6,919617	6,905976	7,0827993	6,928591333	-0,154208	0,898625558	---	
17466237	4,891651	4,627275	4,69646	4,704568	4,533528	4,514772	4,738462	4,584289333	-0,15417267	0,898647567	Tas2r138	
17201805	5,706178	5,821115	5,858527	5,748187	5,691535	5,48362	5,7952733	5,641114	-0,15415933	0,898655872	---	
17201981	5,706178	5,821115	5,858527	5,748187	5,691535	5,48362	5,7952733	5,641114	-0,15415933	0,898655872	---	
17414351	5,279136	5,198069	5,29712	5,03764	5,068625	5,205667	5,2581083	5,103977333	-0,154131	0,898673521	Palm2	
17484484	8,351129	8,266231	8,072115	7,800563	8,118799	8,307812	8,229825	8,075724667	-0,15410033	0,898692624	Paox	
17281526	3,679622	3,771144	4,275822	4,016505	3,453525	3,794382	3,9088627	3,754804	-0,15405867	0,89871858	---	
17548938	6,282724	5,747815	5,877792	5,593652	5,781207	6,07131	5,9694437	5,815389667	-0,154054	0,898721487	3110040M04Rik	
17550825	3,196408	3,299162	3,220748	3,102867	3,075121	3,076242	3,2387727	3,084743333	-0,15402933	0,898736853	---	
17320879	5,019691	4,287948	4,495707	4,598423	4,262454	4,480425	4,6011153	4,447100667	-0,15401467	0,89874599	4833422M21Rik	
17362765	5,903133	5,741941	5,892049	5,604864	5,683187	5,787036	5,8457077	5,691695667	-0,154012	0,898747651	Cd6	
17359160	6,54733	6,688135	6,335358	6,223482	6,403444	6,481884	6,5236077	6,369603333	-0,15400433	0,898752427	Plce1	
17421797	5,499116	5,09105	5,337348	5,144058	5,023475	5,298022	5,3091713	5,155185	-0,15398633	0,898763641	LOC100861760	
17308388	4,964115	4,720504	5,068202	4,822088	4,709134	4,759781	4,917607	4,763667667	-0,15393933	0,898792921	Sftpc	
17542670	6,193378	6,4755	6,310248	6,09298	6,311605	6,112765	6,3263753	6,17245	-0,15392533	0,898801643	Slc10a3	
17202205	5,176761	4,301509	4,424457	4,718443	4,179709	4,542808	4,6342423	4,48032	-0,15392233	0,898803512	---	
17316725	8,245695	8,318512	8,233906	8,199496	8,214537	7,922349	8,2660377	8,112127333	-0,15391033	0,898810988	Slc25a32	
17484892	4,782641	4,694329	4,740786	4,868657	4,268399	4,619	4,739252	4,585352	-0,1539	0,898817426	---	
17350009	4,386457	4,644154	4,78596	4,469692	3,86587	5,01942	4,6055237	4,451660667	-0,153863	0,898840477	---	
17427761	3,941816	3,536367	3,66058	3,652099	3,468993	3,556089	3,712921	3,559060333	-0,15386067	0,898841931	---	
17399604	5,042345	4,869315	5,237097	4,854813	4,873	4,959386	5,0495857	4,895733	-0,15385267	0,898846915	Nup210l	
17387780	3,326825	3,562198	3,311607	3,131464	3,411242	3,196368	3,40021	3,246358	-0,153852	0,898847331	Olfr1154	
17545712	4,871695	4,701525	4,560802	4,618728	4,556765	4,497052	4,7113407	4,557515	-0,15382567	0,898863738	Cnksr2	
17520425	8,447906	8,52759	8,763868	8,472835	8,405925	8,399134	8,579788	8,425964667	-0,15382333	0,898865191	Pcolce2	
17526008	5,578393	5,612789	5,758224	5,387781	5,679782	5,420382	5,649802	5,495981667	-0,15382033	0,89886706	Grik4	
17256502	7,979375	8,398729	8,290347	8,065411	8,21961	7,92197	8,222817	8,068997	-0,15382	0,898867268	Naglu	
17477426	5,922206	6,248388	6,487864	6,247162	6,206326	5,743575	6,219486	6,065687667	-0,15379833	0,898880768	Snord88a	
17244524	7,77927	7,937409	7,766047	7,600687	7,572373	7,84828	7,8275753	7,67378	-0,15379533	0,898882637	---	
17548961	4,150038	3,918852	4,007277	4,029541	3,838388	3,746945	4,025389	3,871624667	-0,15376433	0,898901952	Gm19335	
17200041	5,657225	5,286619	5,633823	5,33992	5,968335	4,808138	5,525889	5,372131	-0,153758	0,898905898	---	
17442498	4,490731	4,551867	4,706637	4,19494	4,455821	4,637304	4,5830783	4,429355	-0,15372333	0,898927498	---	
17529897	4,214552	4,384614	4,789356	4,14672	4,372449	4,408189	4,4628407	4,309119333	-0,15372133	0,898928744	Gm19325	
17211235	4,978883	4,966969	5,085214	5,014767	4,704602	4,850654	5,0103553	4,856674333	-0,153681	0,898953876	Kcnb2	
17209719	6,396675	6,686733	6,421391	5,552206	6,601082	6,890472	6,5015997	6,34792	-0,15367967	0,898954707	---	
17509687	3,753741	3,813905	4,799316	3,882174	4,15939	3,864359	4,1223207	3,968641	-0,15367967	0,898954707	---	
17200337	3,677797	3,2932	3,666074	2,864171	3,733525	3,578387	3,5456903	3,392027667	-0,15366267	0,8989653	---	
17368741	5,989484	5,782564	5,882346	5,844146	5,625835	5,723449	5,884798	5,731143333	-0,15365467	0,898970285	Ak8	
17441768	4,192233	3,853302	4,086546	3,823894	4,042415	3,804981	4,044027	3,89043	-0,153597	0,899006218	Oas1f	
17485713	7,928782	7,86565	7,817385	7,753367	7,633031	7,764732	7,8706057	7,717043333	-0,15356233	0,899027821	Gp6	
17273107	5,237205	4,884475	5,122803	4,870667	4,88017	5,033066	5,0814943	4,927967667	-0,15352667	0,899050047	Pde6g	
17204771	6,621558	6,549349	6,78217	6,487493	6,359501	6,645532	6,6510257	6,497508667	-0,153517	0,899056071	---	
17213645	7,487638	7,608777	7,405285	7,297182	7,416589	7,327502	7,5005667	7,347091	-0,15347567	0,89908183	Fastkd2	
17285739	5,040145	4,979871	5,068965	5,043721	4,881433	4,70346	5,0296603	4,876204667	-0,15345567	0,899094294	Gm11292	
17484832	5,589311	5,567691	5,735993	5,584293	5,455812	5,392593	5,6309983	5,477566	-0,15343233	0,899108835	Drd4	
17249769	3,699233	3,659838	4,070746	3,676839	3,46915	3,823534	3,809939	3,656507667	-0,15343133	0,899109458	---	
17209913	5,940868	5,911306	5,809731	6,017378	5,787802	5,396489	5,8873017	5,733889667	-0,153412	0,899121507	---	
17463797	3,619716	3,493089	3,246843	3,261196	3,360537	3,277867	3,453216	3,299866667	-0,15334933	0,899160564	---	
17500826	2,922965	2,921034	2,936082	2,712023	2,799995	2,808016	2,9266937	2,773344667	-0,153349	0,899160771	---	
17545073	3,024036	3,268354	2,740571	2,828286	2,891199	2,853438	3,010987	2,857641	-0,153346	0,899162641	---	
17379986	6,015656	5,894837	5,959128	5,697732	5,890996	5,820867	5,9565403	5,803198333	-0,153342	0,899165134	Mocs3	
17548215	6,458731	6,642087	6,084891	6,164554	6,164554	6,396594	6,3952363	6,241900667	-0,15333567	0,899169081	LOC552890	
17387748	3,744872	3,390394	3,59271	3,412521	3,307409	3,54835	3,575992	3,42276	-0,153232	0,899233695	Olfr1111	
17206369	3,625127	3,217202	3,442009	3,390441	3,304867	3,129382	3,4281127	3,274896667	-0,153216	0,899243667	---	
17221110	4,816753	4,992904	4,665835	4,679608	4,632241	4,704105	4,825164	4,671984667	-0,15317933	0,899266522	Npbwr1	
17225683	4,759213	4,900388	4,586565	4,427648	4,756307	4,60269	4,748722	4,595548333	-0,15317367	0,899270055	2310007B03Rik	
17454209	6,386391	6,36104	6,419271	6,440077	6,114707	6,152437	6,3889007	6,235740333	-0,15316033	0,899278366	Gjc3	
17269404	4,123802	4,362621	4,260856	4,101979	4,027298	4,158537	4,249093	4,095938	-0,153155	0,89928169	Krt16	
17203629	3,527873	3,782469	3,204429	2,752846	3,306908	3,995615	3,5049237	3,351789667	-0,153134	0,89929478	---	
17523650	6,867834	6,622867	6,567583	6,351487	6,768909	6,478697	6,6860947	6,533031	-0,15306367	0,899338623	Ccr2	
17241612	3,356699	3,781765	3,979359	3,438976	3,644837	3,574864	3,705941	3,552892333	-0,15304867	0,899347974	---	
17329043	3,013167	2,922541	3,14261	2,869853	2,851015	2,898369	3,026106	2,873079	-0,153027	0,89936148	Olfr171	
17457712	4,359438	4,533554	4,597206	4,33631	4,275122	4,419727	4,4967327	4,343719667	-0,153013	0,899370208	---	
17356604	7,492899	7,310689	7,544911	7,387554	7,451631	7,050444	7,4494997	7,296543	-0,15295667	0,899405327	Fau	
17516170	4,09212	3,688786	3,504129	3,9303	3,529036	3,366975	3,7616783	3,608770333	-0,152908	0,899435667	Olfr904	
17410251	8,90736	8,951037	8,844513	8,645681	8,768924	8,82977	8,90097	8,748125	-0,152845	0,899474945	Enpep	
17202207	6,530444	6,453108	6,389441	7,035321	5,83643	6,042709	6,4576643	6,30482	-0,15284433	0,89947536	---	
17283540	8,622143	9,112243	8,54665	8,527485	8,357641	8,93738	8,7603453	8,607502	-0,15284333	0,899475984	---	
17549278	3,561395	3,560831	3,465402	3,356498	3,407322	3,365303	3,5292093	3,376374333	-0,152835	0,899481179	---	
17210375	5,467903	4,855319	4,911058	5,031109	5,078043	4,666633	5,0780933	4,925261667	-0,15283167	0,899483258	---	
17299135	5,424617	5,462878	5,295518	5,383111	5,297496	5,043944	5,3943377	5,241517	-0,15282067	0,899490116	---	
17214729	6,396536	5,972607	5,715541	5,994172	6,000898	5,631292	6,028228	5,875454	-0,152774	0,899519212	LOC100862198	
17318772	8,290039	7,938042	7,291262	7,212394	7,54531	8,303456	7,839781	7,687053333	-0,15272767	0,899548101	Apol7a	
17416566	9,380318	9,192064	9,001268	8,787857	9,101642	9,226094	9,1912167	9,038531	-0,15268567	0,899574289	Magoh	
17210079	2,82288	3,090494	3,466262	3,03596	2,980541	2,905094	3,1265453	2,973865	-0,15268033	0,899577615	---	
17246466	4,175888	3,697427	3,67837	3,837152	3,523969	3,732647	3,8505617	3,697922667	-0,152639	0,899603388	Olfr827	
17498722	5,302215	4,921162	5,398714	5,201667	5,010704	4,951847	5,2073637	5,054739333	-0,15262433	0,899612534	Retn // Retn	
17266221	3,149643	3,42008	3,205111	3,119498	3,118599	3,078886	3,258278	3,105661	-0,152617	0,899617107	---	
17548042	9,590223	9,587545	9,526144	9,400965	9,518499	9,326608	9,5679707	9,415357333	-0,15261333	0,899619393	Galnt1	
17530780	3,101051	2,773582	2,934838	2,773582	2,813214	2,764845	2,9364903	2,783880333	-0,15261	0,899621472	---	
17419792	6,441083	6,325127	6,587265	6,206059	6,28944	6,400161	6,4511583	6,298553333	-0,152605	0,899624589	2610002D18Rik	
17204015	3,320103	3,397911	3,434346	3,21283	3,016762	3,464957	3,38412	3,231516333	-0,15260367	0,899625421	---	
17400875	6,63152	6,417602	6,746256	6,385075	6,657601	6,294993	6,5984593	6,445889667	-0,15256967	0,899646623	Zfp697	
17457318	3,484285	3,492991	3,310359	3,189692	3,322432	3,317843	3,4292117	3,276655667	-0,152556	0,899655145	Mir490	
17486065	3,306469	3,249501	3,065792	3,155986	3,101723	2,906405	3,207254	3,054704667	-0,15254933	0,899659302	Vmn1r64	
17205641	5,019575	5,053583	4,686536	4,610855	4,587624	5,103667	4,919898	4,767382	-0,152516	0,899680089	---	
17259522	8,850776	9,015012	8,829791	8,733654	8,807961	8,696464	8,8985263	8,746026333	-0,1525	0,899690067	---	
17448172	2,963681	3,219425	3,27501	2,997979	3,18538	2,817531	3,1527053	3,000296667	-0,15240867	0,899747026	---	
17326534	3,927455	3,822694	3,841727	3,684819	3,770834	3,679004	3,8639587	3,711552333	-0,15240633	0,899748481	Pou1f1	
17546935	3,86897	4,495499	4,122232	3,88398	4,595615	3,559949	4,165567	4,013181333	-0,15238567	0,89976137	Rbmy1a1	
17546944	3,86897	4,495499	4,122232	3,88398	4,595615	3,559949	4,165567	4,013181333	-0,15238567	0,89976137	Rbmy1a1	
17529095	4,220579	4,403118	4,406483	4,572425	4,119208	3,881394	4,3433933	4,191009	-0,15238433	0,899762202	Gm10635	
17334126	5,290918	4,790364	4,828433	4,896334	4,617029	4,939292	4,969905	4,817551667	-0,15235333	0,899781536	D930048G16Rik	
17321326	7,836805	7,886987	7,724904	7,710257	7,688593	7,592824	7,816232	7,663891333	-0,15234067	0,899789436	Arf3	
17531001	7,235559	7,182952	7,181517	7,07348	7,032128	7,037435	7,2000093	7,047681	-0,15232833	0,899797128	Sema3f	
17281075	3,332639	3,336818	3,27559	3,172118	3,157032	3,158984	3,3150157	3,162711333	-0,15230433	0,899812096	1700031P21Rik // 1700031P21Rik	
17203319	6,352521	5,996326	6,919543	6,462026	6,021452	6,328172	6,4227967	6,27055	-0,15224667	0,899848064	---	
17200935	5,536693	4,809713	5,985396	5,996557	5,244965	4,63358	5,443934	5,291700667	-0,15223333	0,89985638	---	
17333198	4,708867	4,394999	4,519155	4,597324	4,455951	4,113126	4,541007	4,388800333	-0,15220667	0,899873013	---	
17358613	4,698618	4,830711	4,547273	4,401013	4,492944	4,726334	4,6922007	4,540097	-0,15210367	0,899937261	Trpd52l3	
17201659	6,561133	6,299448	6,834617	6,518651	6,884545	5,835692	6,565066	6,412962667	-0,15210333	0,899937469	---	
17257085	8,554415	8,646509	8,28709	8,135114	8,353938	8,542654	8,4960047	8,343902	-0,15210267	0,899937885	Hexim1	
17484102	10,11133	9,970226	9,987846	10,14684	9,366283	10,10024	10,023134	9,871121	-0,152013	0,89999382	---	
17356209	5,915102	6,012615	6,001057	6,118194	5,602344	5,752261	5,976258	5,824266333	-0,15199167	0,900007128	A930001C03Rik	
17204081	4,353987	5,104341	5,04216	4,265544	5,142614	4,63641	4,833496	4,681522667	-0,15197333	0,900018566	---	
17532151	5,795399	5,592841	6,061586	5,666421	5,620266	5,707224	5,8166087	5,664637	-0,15197167	0,900019605	Scn5a	
17213315	7,224463	7,660964	7,44798	7,365134	7,146687	7,365771	7,444469	7,292530667	-0,15193833	0,9000404	---	
17387730	4,562901	4,031389	3,675521	3,823015	4,137876	3,85312	4,089937	3,938003667	-0,15193333	0,90004352	Olfr1104	
17503222	4,492072	4,451768	4,504144	4,378036	4,254859	4,359322	4,4826613	4,330739	-0,15192233	0,900050382	---	
17375767	7,793474	7,854058	7,891104	7,786749	7,698838	7,597301	7,846212	7,694296	-0,151916	0,900054333	Blvra // Blvra	
17246091	4,624805	4,592535	5,061452	4,847501	4,492428	4,483207	4,7595973	4,607712	-0,15188533	0,900073466	Il23a	

17360299	3,113183	3,031733	2,927277	2,638022	2,928858	3,049714	3,0240643	2,872198	-0,15186633	0,900085319	---	
17455664	5,442781	4,806972	4,893807	5,082889	4,48949	5,115592	5,0478533	4,895990333	-0,151863	0,900087399	LOC100862180 // LOC100862166 // Gm7	
17237356	5,704705	5,638243	5,699032	5,64246	5,395719	5,548362	5,68066	5,528847	-0,151813	0,900118594	---	
17277666	5,926863	5,807486	6,476472	5,840005	5,988374	5,92702	6,0702737	5,918466333	-0,15180733	0,90012213	Gm1995	
17259172	4,266586	4,151861	4,567648	4,034728	4,134096	4,361959	4,3286983	4,176927667	-0,15177067	0,900145007	Gm11762	
17359929	9,792826	9,590316	9,513112	9,487214	9,492564	9,461184	9,6320847	9,480320667	-0,151764	0,900149167	---	
17217364	3,460708	3,172808	3,13326	3,014158	3,395037	2,902315	3,255592	3,103836667	-0,15175533	0,900154574	---	
17208869	4,764757	4,513019	4,667135	4,719266	4,367205	4,403378	4,6483037	4,496616333	-0,15168733	0,900197003	---	
17265625	7,681431	7,61419	7,513413	7,290636	7,583985	7,479358	7,6030113	7,451326333	-0,151685	0,900198459	Med31	
17430393	5,646854	5,933778	5,947699	5,568806	5,778449	5,726091	5,842777	5,691115333	-0,15166167	0,900213018	---	
17468281	3,601091	3,742467	3,970945	3,459163	3,585085	3,81528	3,771501	3,619842667	-0,15165833	0,900215098	Gm10445	
17383464	5,070417	5,035453	4,734085	4,956008	4,62297	4,806246	4,9466517	4,795074667	-0,151577	0,90026585	---	
17464184	4,437604	4,212954	4,303971	4,105899	4,157339	4,236597	4,3181763	4,166611667	-0,15156467	0,900273546	---	
17427784	5,242727	5,405687	5,41427	5,043005	5,263332	5,301658	5,354228	5,202665	-0,151563	0,900274586	Bsnd	
17503903	6,077319	6,058013	6,064756	5,798213	5,97611	5,971084	6,066696	5,915135667	-0,15156033	0,900276251	Amfr // Amfr	
17204971	4,255931	4,163518	5,23265	4,615547	4,05874	4,523135	4,5506997	4,399140667	-0,151559	0,900277083	---	
17495297	10,01008	9,971815	9,82526	9,800911	9,810923	9,740663	9,9357183	9,784165667	-0,15155267	0,900281035	Psma1	
17406525	2,96346	3,053003	3,078013	2,846406	2,887075	2,906405	3,031492	2,879962	-0,15153	0,900295179	---	
17449521	8,605477	8,854083	8,31673	8,780129	7,841107	8,700538	8,5920967	8,440591333	-0,15150533	0,900310572	---	
17405407	5,090969	4,749307	4,682677	4,752841	4,738466	4,577158	4,8409843	4,689488333	-0,151496	0,900316397	1700007F19Rik	
17475916	6,336802	5,825107	5,994966	5,971614	5,972651	5,758152	6,0522917	5,900805667	-0,151486	0,900322637	Gm6537	
17261335	4,82762	4,657671	4,68744	4,755018	4,222285	4,741056	4,7242437	4,572786333	-0,15145733	0,900340527	4931440F15Rik	
17246426	3,48301	3,621983	3,524137	3,221299	3,357233	3,596371	3,5430433	3,391634333	-0,151409	0,900370691	Olfr803	
17492062	9,780778	10,54943	10,20109	9,986315	9,810874	10,27996	10,177099	10,02571633	-0,151383	0,900386918	---	
17531705	7,384515	7,516271	7,724349	7,143909	7,509827	7,517318	7,5417117	7,390351333	-0,15136033	0,900401064	Ccrl2	
17310912	8,492229	8,305448	8,377498	8,560107	8,147332	8,013676	8,391725	8,240371667	-0,15135333	0,900405433	Laptm4b	
17237247	6,415986	6,063082	6,541358	6,261584	6,350218	5,954672	6,340142	6,188824667	-0,15131733	0,900427901	Bbs10	
17541648	5,104257	4,850975	4,919451	4,998838	4,71805	4,703856	4,9582277	4,806914667	-0,151313	0,900430606	Usp26	
17335788	4,105861	4,701745	4,301738	4,011192	4,150574	4,493738	4,3697813	4,218501333	-0,15128	0,900451202	---	
17208889	6,754519	6,58255	5,977434	6,182839	6,503448	6,174406	6,4381677	6,286897667	-0,15127	0,900457444	---	
17430831	8,549245	8,697111	8,687724	8,368137	8,649333	8,46284	8,6446933	8,493436667	-0,15125667	0,900465766	Snora73b // Snora73b	
17493133	3,273128	3,144916	3,449221	3,047238	3,27501	3,091279	3,2890883	3,137842333	-0,151246	0,900472423	Olfr305	
17396143	7,040275	7,203933	6,975395	7,108752	6,904884	6,752346	7,073201	6,921994	-0,151207	0,900496766	Car13	
17297258	4,191566	4,073791	3,915491	3,968009	3,896751	3,862478	4,0602827	3,909079333	-0,15120333	0,900499055	Nek10	
17269256	6,191437	6,234546	6,296308	5,95795	5,977731	6,333191	6,2407637	6,089624	-0,15113967	0,900538795	Krtap4-16	
17549466	5,488531	5,414534	5,36135	5,451838	5,068768	5,290396	5,4214717	5,270334	-0,15113767	0,900540043	---	
17549618	5,488531	5,414534	5,36135	5,451838	5,068768	5,290396	5,4214717	5,270334	-0,15113767	0,900540043	---	
17490624	9,255115	9,398348	9,461689	9,11619	9,301077	9,244623	9,3717173	9,22063	-0,15108733	0,900571462	Snord34	
17277605	4,44561	4,0419	4,215133	3,987187	4,060402	4,201829	4,2342143	4,083139333	-0,151075	0,900579161	Samd15	
17509642	7,572491	7,670091	7,697273	7,722855	7,496488	7,267323	7,6466183	7,495555333	-0,151063	0,900586652	Klhl2	
17300169	5,846914	5,771928	5,709186	5,65378	5,633599	5,587462	5,7760093	5,624947	-0,15106233	0,900587068	---	
17321817	5,648882	5,073504	5,234513	5,071976	5,193006	5,238744	5,3189663	5,167908667	-0,15105767	0,900589981	A330009N23Rik	
17472847	9,679859	9,687685	9,584547	9,360193	9,603173	9,53558	9,650697	9,499648667	-0,15104833	0,900595807	4933424B01Rik	
17531327	3,582479	3,758152	3,849873	3,535062	3,611233	3,591161	3,730168	3,579152	-0,151016	0,900615992	Fbxw14	
17423709	2,939525	3,085708	3,47021	3,08037	2,917415	3,044734	3,1651477	3,014173	-0,15097467	0,900641795	---	
17477897	7,025136	7,020748	7,09833	6,895545	6,913838	6,881927	7,0480713	6,897103333	-0,150968	0,900645957	Bcat2	
17290193	4,659668	4,598248	4,410549	4,567081	4,319268	4,32941	4,556155	4,405253	-0,150902	0,90068716	---	
17367446	3,145183	3,301362	3,17089	3,226818	3,141637	2,7963	3,2058117	3,054918333	-0,15089333	0,900692571	---	
17209177	5,168714	5,387849	4,806439	5,227545	4,756073	4,926809	5,1210007	4,970142333	-0,15085833	0,900714422	---	
17545756	3,7855	3,499993	3,15668	3,280591	3,263543	3,445548	3,4807243	3,329894	-0,15083033	0,900731903	---	
17548530	4,48279	4,760092	4,647556	4,401115	4,426187	4,610694	4,630146	4,479332	-0,150814	0,900742101	LOC100862384	
17317386	3,643261	3,365627	3,735196	3,325194	3,73968	3,226817	3,5813613	3,430563667	-0,15079767	0,900752299	---	
17422975	6,004928	5,820798	5,879467	5,818933	5,784824	5,649065	5,901731	5,750940667	-0,15079033	0,900756877	---	
17544061	5,626476	5,457386	5,282974	5,175151	5,292389	5,446958	5,455612	5,304832667	-0,15077933	0,900763745	Cysltr1	
17522377	4,468119	4,445717	4,605688	4,391385	4,367866	4,307953	4,506508	4,355734667	-0,15077333	0,900767491	Kif9	
17508123	4,861126	4,533844	4,73571	4,488971	4,476922	4,71254	4,7102267	4,559477667	-0,150749	0,900782684	---	
17526265	7,119728	7,602262	7,535557	7,241989	7,38514	7,178235	7,4191823	7,268454667	-0,15072767	0,900796004	Trappc4	
17495610	5,847526	6,023555	6,122519	5,84412	5,950998	5,746304	5,9978667	5,847140667	-0,150726	0,900797045	Gprc5b	
17281880	5,80276	5,829973	6,202604	5,730002	5,757539	5,895666	5,9451123	5,794402333	-0,15071	0,900807035	Six1	
17302356	6,651297	6,356666	6,524559	6,8275	5,964419	6,28848	6,5108407	6,360133	-0,15070767	0,900808492	---	
17367905	7,478406	7,259067	6,918005	7,274992	6,619618	7,308792	7,2184927	7,067800667	-0,150692	0,900818274	---	
17238822	4,943341	4,438934	4,867077	4,346232	4,540064	4,911019	4,749784	4,599105	-0,150679	0,900826392	---	
17529784	4,547378	4,587968	4,75967	4,402069	4,53013	4,510788	4,631672	4,480995667	-0,15067633	0,900828057	1700065D16Rik	
17523597	8,248432	8,128197	7,921165	7,814936	7,895633	8,135204	8,0992647	7,948591	-0,15067367	0,900829722	Limd1	
17209839	4,413626	4,846832	4,90502	5,021809	4,364452	4,327245	4,721826	4,571168667	-0,15065733	0,900839921	---	
17401556	6,362741	6,465276	6,677691	6,311396	6,199891	6,542524	6,5019027	6,351270333	-0,15063233	0,900855531	Hbxip	
17412636	4,305135	4,535607	5,013854	4,458003	4,636744	4,308155	4,6181987	4,467634	-0,15056467	0,900897785	---	
17245727	3,191174	3,306783	3,154585	3,207814	3,032367	2,960743	3,217514	3,066974667	-0,15053933	0,900913604	---	
17239463	8,318293	8,408777	8,070292	8,08404	8,06531	8,196459	8,2657873	8,115269667	-0,15051767	0,900927135	---	
17319545	7,404904	7,508765	7,464231	7,24475	7,347095	7,334536	7,4593	7,308793667	-0,15050633	0,900934212	Polr3h	
17200683	4,208705	3,334544	3,842214	3,727419	3,614112	3,592572	3,7951543	3,644701	-0,15045333	0,90096731	---	
17454187	4,651821	4,807595	4,682897	4,369746	4,74478	4,57656	4,7141043	4,563695333	-0,150409	0,900994997	Pilrb2	
17221186	9,485559	9,735312	9,67212	9,556263	9,575377	9,310132	9,630997	9,480590667	-0,15040633	0,900996662	Snhg6	
17514745	9,321961	9,369056	9,069849	9,011813	9,149154	9,148818	9,253622	9,103261667	-0,15036033	0,901025391	Cwc15	
17227198	6,10352	6,017766	6,179291	5,926406	5,951183	5,971984	6,1001923	5,949857667	-0,15033467	0,901041421	Lgr6	
17481102	10,96379	11,05341	11,15722	10,90671	10,92904	10,88779	11,05814	10,90784667	-0,15029333	0,901067236	Rrm1	
17250740	11,58015	11,67504	11,77107	11,55386	11,6484	11,37313	11,67542	11,52513	-0,15029	0,901069318	Snord49b	
17210831	5,753559	6,054643	6,329	6,104546	5,990842	5,591005	6,045734	5,895464333	-0,15026967	0,901082018	---	
17390668	4,218661	4,322946	4,253191	4,239293	4,079924	4,024773	4,2649327	4,114663333	-0,15026933	0,901082226	---	
17391544	7,863714	7,817757	7,782141	7,504601	7,669806	7,838411	7,821204	7,670939333	-0,15026467	0,901085141	Ckap2l	
17504160	9,665877	9,522986	9,542049	9,450425	9,33753	9,492169	9,5769707	9,426708	-0,15026267	0,90108639	Polr2c	
17336949	8,416538	8,45336	8,696464	8,662449	7,922961	8,530166	8,5221207	8,371858667	-0,150262	0,901086806	---	
17380001	4,091062	4,041563	4,041542	4,003924	3,654915	4,0647	4,0580557	3,907846333	-0,15020933	0,901119702	---	
17315407	3,056974	2,999703	3,291394	3,001312	2,900901	2,995242	3,1160237	2,965818333	-0,15020533	0,9011222	---	
17390296	7,365511	7,600727	7,535147	7,339948	7,355624	7,35524	7,5004617	7,350270667	-0,150191	0,901131153	Ttbk2	
17410124	4,353987	4,045603	4,017908	3,888175	4,061759	4,017009	4,139166	3,988981	-0,150185	0,901134901	Arsj // Arsj	
17439764	5,622592	5,970422	6,37466	5,542437	5,910542	6,064163	5,9892247	5,839047333	-0,15017733	0,901139689	---	
17414853	3,573177	4,070883	3,703945	4,11847	3,281692	3,497316	3,7826683	3,632492667	-0,15017567	0,90114073	---	
17204507	3,363163	3,969231	4,350034	4,371528	3,435894	3,42448	3,8941427	3,743967333	-0,15017533	0,901140939	---	
17321202	6,334103	6,076053	6,324629	6,258972	6,029442	5,995969	6,2449283	6,094794333	-0,150134	0,901166757	Zfp641	
17205379	3,3778	3,079215	3,622548	3,437772	3,249243	2,942152	3,3598543	3,209722333	-0,150132	0,901168006	---	
17455269	6,082259	5,537353	6,007107	5,762464	5,837323	5,576621	5,875573	5,725469333	-0,15010367	0,901185704	---	
17290901	5,189868	5,651332	5,183457	5,080132	5,030895	5,463568	5,3415523	5,191531667	-0,15002067	0,901237552	Srsf10	
17245539	5,685545	5,929652	5,706128	5,748442	5,725578	5,397305	5,773775	5,623775	-0,15	0,901250463	Srgap1	
17295796	9,597031	9,659371	9,457632	9,372337	9,39855	9,493156	9,5713447	9,421347667	-0,149997	0,901252337	Pik3r1	
17363070	4,387177	3,610352	4,227921	3,81778	3,761674	4,196026	4,07515	3,92516	-0,14999	0,90125671	Olfr1428	
17536324	4,648505	4,874249	4,625285	4,394039	4,543122	4,760927	4,716013	4,566029333	-0,14998367	0,901260666	Gm14827	
17311529	5,446103	5,285311	5,689552	5,478245	5,32739	5,165398	5,4736553	5,323677667	-0,14997767	0,901264414	---	
17206789	4,4962	4,582147	4,565021	3,856414	5,080474	4,256674	4,5477893	4,397854	-0,14993533	0,901290861	---	
17294408	5,464762	5,518304	5,314674	5,167842	5,361219	5,318914	5,43258	5,282658333	-0,14992167	0,901299399	---	
17210515	7,736406	7,148609	7,214949	7,241225	7,043611	7,365489	7,3666547	7,216775	-0,14987967	0,901325638	---	
17233355	3,086303	3,153102	2,876304	2,949213	3,004861	2,712062	3,0385697	2,888712	-0,14985767	0,901339383	---	
17419377	8,757343	8,877355	8,672065	8,57972	8,63423	8,643248	8,768921	8,619066	-0,149855	0,901341049	Taf12	
17281123	10,45313	10,88313	10,50469	10,30672	10,42882	10,656	10,61365	10,46384667	-0,14980333	0,901373328	---	
17286998	5,976508	5,710328	5,728469	5,724553	5,865586	5,375766	5,8051017	5,655301667	-0,1498	0,901375411	Rbm24	
17305933	3,131652	3,177248	3,365011	2,891867	3,348423	2,984362	3,224637	3,074884	-0,149753	0,901404777	Olfr725	
17268079	3,245431	3,550694	3,397624	3,318488	3,03823	3,387803	3,3979163	3,248173667	-0,14974267	0,901411233	---	
17210703	6,920453	6,638381	6,960225	6,774219	6,792192	6,503459	6,8396863	6,689556667	-0,14972967	0,901419355	---	
17440998	9,960592	9,827618	9,919746	9,595302	9,818521	9,845019	9,902652	9,752947333	-0,14970467	0,901434976	Ankrd13a	
17388212	5,773265	5,447279	6,028772	5,574043	5,542408	5,683782	5,749772	5,600077667	-0,14969433	0,901441433	---	
17541986	8,957241	8,903113	8,60158	8,748293	8,60398	8,66064	8,8206447	8,670971	-0,14967367	0,901454346	Atp11c	
17392894	6,679787	6,582517	6,676438	6,433524	6,565252	6,490987	6,6462473	6,496587667	-0,14965967	0,901463094	Fam110a	
17209099	6,254476	5,896475	5,519051	6,16226	5,386892	5,671905	5,8900007	5,740352333	-0,14964833	0,901470175	---	
17451970	4,259726	4,292374	4,093604	3,794399	4,116471	4,285967	4,2152347	4,065612333	-0,14962233	0,901486422	Sds // Sds	
17225391	5,093211	5,007294	5,315414	5,128942	5,021049	4,817077	5,1386397	4,989022667	-0,149617	0,901489754	Iqca	
17537397	3,228839	3,291462	3,015375	2,993394	3,073308	3,020193	3,1785587	3,028965	-0,14959367	0,901504334	Gm5945 // Gm5167	
17224702	8,781565	8,972763	8,823961	8,661135	8,739923	8,728535	8,8594297	8,709864333	-0,14956533	0,901522039	Farsb	
17250624	6,162925	6,129312	6,191667	5,898804	6,007462	6,128952	6,1613013	6,011739333	-0,149562	0,901524122	Fam83g	
17207503	4,065001	3,615739	4,458358	3,70515	4,412117	3,573176	4,046366	3,896814333	-0,14955167	0,90153058	---	
17549500	3,437378	3,580716	3,425686	3,290531	3,285082	3,419552	3,48126	3,331721667	-0,14953833	0,901538912	---	
17549648	3,437378	3,580716	3,425686	3,290531	3,285082	3,419552	3,48126	3,331721667	-0,14953833	0,901538912	---	
17219623	12,63426	12,72044	12,66734	12,41038	12,61896	12,54411	12,674013	12,52448333	-0,14953	0,901544119	Crp	
17543744	5,592481	5,542491	5,807199	5,352588	5,396936	5,744079	5,6473903	5,497867667	-0,14952267	0,901548702	1700031F05Rik	
17409277	5,980645	6,200734	6,102585	6,029977	6,029977	5,775468	6,0946547	5,945140667	-0,149514	0,901554118	Sort1	
17448449	3,405827	3,371232	3,510595	3,257289	3,179509	3,402319	3,429218	3,279705667	-0,14951233	0,901555159	---	
17250710	6,261076	6,31661	6,403594	6,205191	6,048787	6,278766	6,3270933	6,177581333	-0,149512	0,901555367	Trpv2	
17485528	7,14082	7,310948	7,185495	6,909877	7,161536	7,117384	7,212421	7,062932333	-0,14948867	0,901569949	Tfpt	
17452201	4,008995	3,716764	3,985236	3,848481	3,805036	3,609064	3,903665	3,754193667	-0,14947133	0,901580781	Adam1b	
17260579	8,165494	8,184379	8,166612	7,854459	8,021029	8,192635	8,1721617	8,022707667	-0,149454	0,901591613	Hus1	
17239787	7,452645	7,38025	7,366306	7,215647	7,367929	7,167264	7,3997337	7,25028	-0,14945367	0,901591821	Enpp1	
17238226	11,96447	11,93654	11,93808	11,80015	11,82985	11,76073	11,946363	11,79691	-0,14945333	0,90159203	Naca	
17204957	4,066699	4,644188	4,474928	4,3128	4,114557	4,310108	4,3952717	4,245821667	-0,14945	0,901594113	---	
17468461	7,496325	7,378428	7,447727	7,232963	7,298318	7,342895	7,4408267	7,291392	-0,14943467	0,901603695	Cml1	
17321248	8,270404	8,635738	8,345072	8,163038	8,276261	8,363659	8,4170713	8,267652667	-0,14941867	0,901613694	Ccnt1	

17427641	4,7236	4,821999	4,994815	4,750965	4,64193	4,699273	4,8468047	4,697389333	-0,14941533	0,901615777	---	
17526917	7,877365	8,005186	7,726985	7,583612	7,867073	7,710614	7,8698453	7,720433	-0,14941233	0,901617652	2310030G06Rik	
17511410	4,794944	4,881277	5,181009	4,752216	4,819036	4,83778	4,95241	4,803010667	-0,14939933	0,901625777	Abcc12	
17200529	5,239481	5,030354	5,344495	4,791349	4,981476	5,393417	5,2047767	5,055414	-0,14936267	0,901648692	---	
17240376	4,766877	4,58209	4,851216	4,47395	4,700937	4,577241	4,7333943	4,584042667	-0,14935167	0,901655567	---	
17404139	7,232732	7,434431	7,218273	6,974046	7,198874	7,264469	7,2951453	7,145796333	-0,149349	0,901657234	Snx16	
17371912	7,374079	7,612202	7,48176	7,080911	7,33589	7,603198	7,489347	7,339999667	-0,14934733	0,901658275	B230120H23Rik	
17548525	9,413558	9,611575	9,438592	9,269277	9,341719	9,40478	9,4879083	9,338592	-0,14931633	0,90167765	Hnrnpf	
17248539	4,64787	4,883481	4,51992	4,653522	4,387845	4,561969	4,683757	4,534445333	-0,14931167	0,901680567	Gabrb2	
17203191	3,527822	3,233259	3,627631	3,081424	3,19974	3,659647	3,462904	3,313603667	-0,14930033	0,90168765	---	
17282100	3,967968	3,721234	3,787611	3,5137	3,987918	3,527335	3,8256043	3,676317667	-0,14928667	0,901696192	---	
17290388	5,29293	5,272464	5,082961	4,863756	5,058586	5,278246	5,2161183	5,066862667	-0,14925567	0,901715567	Idi2 // Idi2	
17354426	3,675091	3,824464	3,661669	3,576596	3,582454	3,554434	3,720408	3,571161333	-0,14924667	0,901721192	---	
17344150	6,027201	5,893148	6,108557	5,97448	5,959588	5,647145	6,0096353	5,860404333	-0,149231	0,901730984	Ng23	
17271769	5,633751	5,556111	5,289612	5,388611	5,239879	5,403292	5,493158	5,343927333	-0,14923067	0,901731193	Cd300e	
17284222	6,438227	6,256655	6,505476	6,329607	6,177736	6,245327	6,4001193	6,25089	-0,14922933	0,901732026	Ahnak2	
17281402	6,072637	6,323476	5,672116	5,915208	5,825131	5,880363	6,022743	5,873567333	-0,14917567	0,90176557	---	
17464037	3,437929	3,570188	3,237823	3,378922	3,253702	3,165805	3,4153133	3,266143	-0,14917033	0,901768904	---	
17482969	7,1629	7,040457	7,009039	6,935838	6,909276	6,919796	7,0707987	6,921636667	-0,149162	0,901774113	D430042O09Rik	
17222596	4,025085	3,870111	3,755309	3,708996	3,675921	3,81811	3,8835017	3,734342333	-0,14915933	0,901775779	1700066B17Rik	
17463509	9,612037	9,566822	9,495973	9,376867	9,527057	9,323484	9,5582773	9,409136	-0,14914133	0,901787031	Clec12a	
17527810	3,87393	3,839624	4,073163	3,744514	3,819036	3,7758	3,9289057	3,779783333	-0,14912233	0,901798907	Tmem202	
17475358	3,297618	3,003951	3,081278	2,833303	3,270892	2,831301	3,1276157	2,978498667	-0,149117	0,901802241	---	
17271030	3,764615	3,477873	3,604834	3,368398	3,404874	3,626721	3,615774	3,466664333	-0,14910967	0,901806825	---	
17502011	5,860507	5,844542	5,639315	5,635965	5,767871	5,493238	5,7814547	5,632358	-0,14909667	0,901814951	Gm3336	
17475170	6,126833	5,909303	6,027754	6,049007	5,738862	5,828746	6,0212967	5,872205	-0,14909167	0,901818076	Zfp574	
17267501	8,313363	8,642129	8,706515	8,26667	8,591221	8,256989	8,5540023	8,40496	-0,14904233	0,901848915	---	
17456832	4,183077	4,376629	4,494036	4,219658	4,342105	4,044868	4,3512473	4,202210333	-0,149037	0,901852249	1700095J07Rik	
17353541	10,95724	11,03602	10,90833	10,80353	10,79736	10,85359	10,967197	10,81816	-0,14903667	0,901852457	Etf1	
17248242	8,004547	8,053944	8,097649	7,881875	7,906236	7,921023	8,0520467	7,903044667	-0,149002	0,901874128	Snrnp25	
17422317	3,544809	3,249225	3,444971	3,237256	3,518858	3,035913	3,4130017	3,264009	-0,14899267	0,901879963	---	
17278378	5,428244	5,195244	5,172272	5,096877	5,331652	4,920394	5,2652533	5,116307667	-0,14894567	0,901909345	Tcl1b4	
17200895	5,17968	4,394858	5,133159	4,763088	4,534448	4,9634	4,9025657	4,753645333	-0,14892033	0,901925182	---	
17320705	8,79796	8,621311	8,637733	8,408236	8,436584	8,765497	8,685668	8,536772333	-0,14889567	0,901940603	Yaf2	
17412681	5,869288	5,75516	5,825507	5,464855	5,753079	5,785375	5,8166517	5,667769667	-0,148882	0,901949147	Cga	
17550797	3,465408	3,253064	3,270892	3,285891	3,120687	3,136168	3,329788	3,180915333	-0,14887267	0,901954982	---	
17253667	4,97204	4,909142	5,237321	4,904918	4,810318	4,956726	5,039501	4,890654	-0,148847	0,901971029	Sebox	
17289851	5,731776	5,928321	6,155764	5,826526	5,671128	5,871714	5,9386203	5,789789333	-0,148831	0,901981032	---	
17427064	3,487969	3,631433	3,446797	3,23274	3,262663	3,624342	3,5220663	3,373248333	-0,148818	0,90198916	Ifnb1	
17426356	4,467956	4,370212	4,249779	4,182959	4,375193	4,083355	4,362649	4,213835667	-0,14881333	0,901992077	Tnfsf8	
17468895	7,510743	7,348014	7,413014	7,379405	7,196042	7,249924	7,4239237	7,275123667	-0,1488	0,902000414	Chst13	
17538796	8,356915	8,916442	8,668962	8,517098	8,451301	8,527562	8,6474397	8,498653667	-0,148786	0,902009167	---	
17548383	6,891829	6,575415	6,756472	6,534806	6,607142	6,635427	6,7412387	6,592458333	-0,14878033	0,90201271	Rrs1 // Rrs1	
17256537	8,368818	8,336015	8,145229	7,978133	8,245627	8,179972	8,283354	8,134577333	-0,14877667	0,902015002	Mlx	
17395684	5,046917	4,795543	4,929154	4,72989	4,847679	4,747747	4,9238713	4,775105333	-0,148766	0,902021671	Bhlhe23	
17225253	4,905517	5,080589	4,944759	4,852817	4,863544	4,768253	4,976955	4,828204667	-0,14875033	0,902031467	Kcnj13	
17409491	6,92912	6,581108	6,691115	6,701753	6,456483	6,596925	6,733781	6,585053667	-0,14872733	0,902045847	---	
17462812	3,99906	3,865841	4,124868	3,909916	3,6724	3,961298	3,9965897	3,847871333	-0,14871833	0,902051475	---	
17462814	3,99906	3,865841	4,124868	3,909916	3,6724	3,961298	3,9965897	3,847871333	-0,14871833	0,902051475	---	
17377568	5,02098	4,931071	5,041421	4,706747	4,955284	4,885289	4,997824	4,849106667	-0,14871733	0,9020521	4930442J19Rik	
17422940	3,9663	4,383188	3,789635	4,035718	3,821282	3,835981	4,0463743	3,897660333	-0,148714	0,902054184	LOC670059	
17278612	4,726935	4,772434	4,746193	4,337099	5,013986	4,448454	4,7485207	4,599846333	-0,14867433	0,902078986	Mir342 // Mir342	
17306136	3,0682	2,919163	2,957965	2,869823	2,887421	2,742102	2,981776	2,833115333	-0,14866067	0,902087532	Gm5800	
17276235	6,124051	6,201041	6,083959	5,974602	5,975164	6,01335	6,1363503	5,987705333	-0,148645	0,902097328	1810048J11Rik	
17224540	10,23051	10,46228	10,26221	10,12409	10,25406	10,13094	10,318333	10,16969667	-0,14863667	0,902102538	Tuba4a	
17459248	3,432367	3,492044	3,510074	3,244428	3,321259	3,422947	3,4781617	3,329544667	-0,148617	0,902114836	Vmn1r37	
17309280	5,501539	5,035935	4,990035	4,985293	5,038278	5,058233	5,1758363	5,027268	-0,14856833	0,902145268	4930432J09Rik	
17273240	5,611742	5,596447	5,971419	5,271126	5,774922	5,687922	5,726536	5,57799	-0,148546	0,902159233	Pycr1	
17232444	6,938872	7,087694	6,916286	6,881118	6,759288	6,856818	6,9809507	6,832408	-0,14854267	0,902161318	Hddc2	
17237273	8,618526	8,613157	8,619375	8,496134	8,354914	8,554413	8,6170193	8,468487	-0,14853233	0,902167779	---	
17420539	4,91595	4,944474	4,977877	4,791512	4,753499	4,847775	4,9461003	4,797595333	-0,148505	0,902184872	Pla2g2a	
17325339	3,881525	4,576402	3,888317	3,507546	4,35604	4,037218	4,1154147	3,966934667	-0,14848	0,902200506	2010005H15Rik // 2010005H15Rik	
17209977	3,941876	3,314061	4,042764	3,778212	3,698653	3,376416	3,7662337	3,617760333	-0,14847333	0,902204675	---	
17503043	7,014898	7,083446	7,067435	6,79416	7,141813	6,784414	7,0552597	6,906795667	-0,148464	0,902210512	Samd1	
17247927	4,900362	5,160772	4,940899	4,715451	4,868895	4,972367	5,0006777	4,852237667	-0,14844	0,90222552	---	
17242578	8,966573	8,873171	8,763146	8,722592	8,805898	8,629149	8,86763	8,719213	-0,148417	0,902239904	Ppap2c	
17550500	4,255931	3,8749	4,013209	3,98918	3,840159	3,869511	4,0480133	3,899616667	-0,14839667	0,90225262	---	
17231759	9,71079	10,09228	9,721378	9,427663	9,729277	9,922439	9,8414827	9,693126333	-0,14835633	0,902277845	Gm10335	
17355842	6,270545	6,291876	6,608868	5,948368	6,410842	6,367061	6,3904297	6,242090333	-0,14833933	0,902288477	---	
17441580	5,531483	5,262232	5,264139	5,337952	5,133386	5,141618	5,352618	5,204318667	-0,14829933	0,902313494	1700081H04Rik	
17435451	5,958786	6,247558	6,228076	5,753049	6,166919	6,069609	6,1448067	5,996525667	-0,148281	0,902324961	1500035N22Rik	
17284002	8,55352	8,741953	8,614261	8,487936	8,421869	8,555206	8,636578	8,488337	-0,148241	0,902349979	Hsp90aa1	
17362966	4,1071	3,867799	3,895796	3,850615	3,567133	4,00823	3,9568983	3,808659333	-0,148239	0,90235123	BE692007	
17538828	7,046453	6,565117	6,803337	6,925071	6,744006	6,30116	6,804969	6,656745667	-0,14822333	0,902361029	---	
17270615	4,526615	5,147709	4,792654	5,029474	4,135147	4,857709	4,822326	4,67411	-0,148216	0,902365615	---	
17428752	5,615011	5,477688	5,642724	5,390039	5,349575	5,551174	5,5784743	5,430262667	-0,14821167	0,902368326	Btbd19	
17234742	6,558609	6,193597	6,384021	6,196957	6,367369	6,127346	6,3787423	6,230557333	-0,148185	0,902385005	Gm3285	
17455962	10,19716	10,21627	10,03418	9,917114	9,954172	10,13194	10,149203	10,00107533	-0,148128	0,902420659	C1galt1	
17549564	7,321378	7,108351	7,246538	7,08946	7,075253	7,067172	7,2254223	7,077295	-0,14812733	0,902421076	---	
17549720	7,321378	7,108351	7,246538	7,08946	7,075253	7,067172	7,2254223	7,077295	-0,14812733	0,902421076	---	
17252032	7,910514	7,721487	7,715259	7,488395	7,611334	7,803189	7,78242	7,634306	-0,148114	0,902429416	Med11	
17535515	3,768694	3,00321	3,258669	3,264983	2,97769	3,343664	3,3435243	3,195445667	-0,14807867	0,902451518	Xlr4b	
17537029	4,91721	4,885617	5,099198	4,775697	4,754496	4,927904	4,9673417	4,819365667	-0,147976	0,902515741	Magee1	
17291091	4,162724	3,999894	4,112876	4,098057	3,799912	3,933626	4,0918313	3,943865	-0,14796633	0,902521788	Vmn1r208	
17253858	8,080315	8,449714	8,202271	8,084661	8,134478	8,069266	8,2441	8,096135	-0,147965	0,902522623	Atad5	
17499792	5,225907	5,139582	5,285447	4,983593	5,168425	5,055024	5,2169787	5,069014	-0,14796467	0,902522831	Defa17	
17392676	8,753712	8,874881	8,658224	8,592687	8,71304	8,537401	8,7622723	8,614376	-0,14789633	0,90256558	2310001A20Rik	
17334192	6,641614	6,5943	6,787662	6,344359	6,726943	6,508601	6,6745253	6,526634333	-0,147891	0,902568917	Prss27	
17245167	3,687524	3,320481	3,176198	3,439696	3,134743	3,16625	3,3947343	3,246896333	-0,147838	0,902602075	---	
17360785	5,088402	5,103835	5,292639	5,078569	4,795842	5,166991	5,1616253	5,013800667	-0,14782467	0,902610417	Pnliprp2	
17547777	4,210139	4,499987	4,54752	4,165319	4,332108	4,316792	4,4192153	4,271406333	-0,147809	0,902620218	Gm19281	
17285157	8,419486	8,611572	8,319186	8,252644	8,409198	8,244978	8,4500813	8,302273333	-0,147808	0,902620844	Heatr1	
17472129	7,732396	7,600467	7,335913	7,097128	7,580414	7,54785	7,5562587	7,408464	-0,14779467	0,902629186	Gucy2c	
17470513	3,08988	3,084477	3,353972	3,275343	2,93498	2,874694	3,1761097	3,028339	-0,14777067	0,902644202	---	
17244679	6,216571	6,720171	6,439568	5,844957	6,661873	6,426207	6,45877	6,311012333	-0,14775767	0,902652336	BC067068	
17200643	4,019428	4,037098	4,245294	4,093133	3,719344	4,046081	4,1006067	3,952852667	-0,147754	0,90265463	---	
17368422	6,14714	5,969656	5,757121	5,860086	5,667277	5,903349	5,9579723	5,810237333	-0,147735	0,902666518	Adamts13	
17291964	10,06189	10,41324	10,01309	10,05307	9,968623	10,02334	10,16274	10,015011	-0,147729	0,902670272	Eef1e1	
17419028	9,174322	9,143133	9,155664	9,350639	9,029793	8,649666	9,1577063	9,010032667	-0,14767367	0,902704894	---	
17306858	10,68925	10,77792	10,85717	10,6479	10,69742	10,53606	10,77478	10,62712667	-0,14765333	0,902717616	---	
17209007	6,143991	6,849457	6,244975	5,842207	6,639026	6,314256	6,4128077	6,265163	-0,14764467	0,902723039	---	
17356061	6,682973	6,710108	6,824371	6,422563	6,797931	6,554038	6,7391507	6,591510667	-0,14764	0,902725959	Nudt8	
17288967	4,800874	4,54106	4,597809	4,479805	4,497095	4,519947	4,646581	4,498949	-0,147632	0,902730965	---	
17499979	4,308261	4,436587	4,543743	4,493251	3,977539	4,375011	4,4295303	4,281933667	-0,14759667	0,902753074	---	
17205715	4,672843	4,353945	4,635231	4,48294	4,383716	4,352617	4,5540063	4,406424333	-0,147582	0,902762252	---	
17285036	4,438915	4,80443	4,731214	4,355201	4,807852	4,368779	4,6581863	4,510610667	-0,14757567	0,902766215	Adarb2	
17330684	5,190534	5,040508	5,261064	4,98958	5,132716	4,927106	5,1640353	5,016467333	-0,147568	0,902771012	Tagln3	
17266074	7,784488	7,792962	7,915497	7,693056	7,663902	7,693399	7,8309823	7,683452333	-0,14753	0,902794791	Gemin4	
17340099	8,773138	8,61162	8,576088	8,578552	8,27288	8,667032	8,6536153	8,506154667	-0,14746067	0,902838179	Abcg8	
17301117	5,677207	5,373344	5,516126	5,302616	5,378371	5,443519	5,5222577	5,374835333	-0,14742233	0,902862168	Trim13	
17255565	4,661228	3,980633	4,210515	3,975035	4,205725	4,229431	4,2841253	4,136730333	-0,147395	0,902879274	Hoxb8	
17354992	10,5283	10,61524	10,52662	10,28747	10,42828	10,51238	10,55672	10,40937667	-0,14734333	0,902911609	Amd1 // Amd1	
17457872	4,779413	3,984303	3,752422	3,935113	4,155593	3,983504	4,172046	4,024736667	-0,14730933	0,902932888	Tas2r139	
17387886	4,072516	3,974303	4,131899	3,987267	3,84552	3,904052	4,0595727	3,912279667	-0,147293	0,902943111	Olfr1218	
17417860	7,983223	7,98921	7,985966	7,797315	7,868899	7,850364	7,986133	7,838859333	-0,14727367	0,902955211	Ccdc23	
17372019	2,901383	2,966922	3,041606	2,922505	2,805165	2,740431	2,9699703	2,822700333	-0,14727	0,902957506	---	
17278626	6,594757	6,429289	6,738713	6,823004	6,242739	6,25522	6,5875863	6,440321	-0,14726533	0,902960427	Mir345	
17207431	6,848831	6,869913	7,107177	7,1386	6,650656	6,594881	6,9419737	6,794712333	-0,14726133	0,90296293	---	
17386479	8,522602	8,663336	8,835642	8,302443	8,577328	8,70014	8,67386	8,526637	-0,147223	0,902986923	Mir5115 // Mir5115	
17339390	9,191987	9,630419	9,340843	9,20392	9,129882	9,387819	9,3877497	9,240540333	-0,14720933	0,902995477	Gm16519	
17359098	7,263568	7,160316	6,99225	6,844958	7,099056	7,030576	7,1387113	6,99153	-0,14718133	0,903013003	Cep55	
17378125	3,888606	3,841221	3,96432	3,682447	3,876081	3,694103	3,898049	3,750877	-0,147172	0,903018845	Bpifa1	
17414836	6,989322	7,382258	6,998785	6,708759	7,185012	7,0351	7,123455	6,976290333	-0,14716467	0,903023435	Tlr4	
17475336	6,285836	6,414018	6,284245	6,103946	6,216431	6,222249	6,328033	6,180875333	-0,14715767	0,903027816	B9d2	
17536074	6,01356	5,955279	5,876938	5,814082	5,938454	5,65179	5,9485923	5,801442	-0,14715033	0,903032406	---	
17469461	5,178598	5,242692	5,313178	5,08525	5,33219	4,875604	5,2448227	5,097681333	-0,14714133	0,90303804	---	
17479959	4,283632	3,693444	3,651417	3,629388	3,871209	3,686524	3,8761643	3,729040333	-0,147124	0,90304889	Vmn2r78	
17334040	3,320334	3,255229	3,570995	3,304282	3,180471	3,220481	3,382186	3,235078	-0,147108	0,903058905	Vmn2r-ps129	
17224395	6,980291	6,740429	7,193584	6,916695	6,806212	6,750093	6,9714347	6,824333333	-0,14710133	0,903063078	Mir375	
17548080	7,390248	7,605245	7,529717	7,46262	7,372262	7,249038	7,5084033	7,361306667	-0,14709667	0,903065999	Polr2k // Polr2k	
17441357	4,636511	4,491551	4,598008	4,50027	4,45958	4,324971	4,5753567	4,428273667	-0,147083	0,903074554	---	
17548168	3,869256	3,882852	3,639191	3,712818	3,717664	3,51964	3,7970997	3,650040667	-0,147059	0,903089577	Gm10765	
17547535	5,178391	5,312496	5,100873	5,130084	4,957006	5,063498	5,1972533	5,050196	-0,14705733	0,90309062	Gm20276	
17404098	6,286922	6,10375	6,371182	6,244703	5,742929	6,333057	6,2539513	6,106896333	-0,147055	0,903092081	Fabp12	

17501692	7,655457	7,640551	7,661465	7,484703	7,39851	7,633193	7,652491	7,505468667	-0,14702233	0,90311253	Atp13a1
17352227	5,08783	5,140502	5,164906	5,244258	4,64539	5,062529	5,1310793	4,984059	-0,14702033	0,903113782	---
17418024	4,448185	4,704855	4,517512	4,382427	4,33557	4,511567	4,5568507	4,409854667	-0,146996	0,903129014	Gm8439
17549240	4,00373	3,951795	3,599271	3,967137	3,60376	3,543054	3,8515987	3,704650333	-0,14694833	0,903158554	---
17246497	4,318026	4,363897	4,038108	4,02407	4,168417	4,086705	4,2400103	4,093064	-0,14694633	0,903160106	Vmn2r87
17270673	4,012946	4,070778	4,223012	3,957618	4,011725	3,896581	4,1022453	3,955308	-0,14693733	0,90316574	---
17492619	9,547961	9,759263	9,656301	9,495657	9,521598	9,505493	9,6545083	9,507582667	-0,14692567	0,903173044	Blm
17491788	6,765242	6,776299	7,017388	6,652868	6,714088	6,751244	6,8529763	6,706066667	-0,14690967	0,903183061	Klf13
17337118	5,468562	5,022645	4,851606	5,335852	4,654987	4,911261	5,114271	4,967366667	-0,14690433	0,903186399	---
17206443	4,823205	4,148752	4,198946	4,290033	4,633389	3,806827	4,390301	4,243416333	-0,14688467	0,903198712	---
17422662	8,463848	8,506623	8,45064	8,214005	8,39851	8,367955	8,4737037	8,326823333	-0,14688033	0,903201425	Ssu72
17542084	3,745331	3,463717	3,339661	3,232751	3,348977	3,526397	3,5162363	3,369375	-0,14686133	0,90321332	Mir871
17206213	4,761418	4,388702	4,701714	4,458685	4,836999	4,115727	4,617278	4,470470333	-0,14680767	0,903246919	---
17292170	4,655169	4,552031	4,254398	4,198741	4,278492	4,543965	4,4871993	4,340399333	-0,1468	0,903251719	---
17271143	5,197878	5,56551	5,658875	5,374235	5,337481	5,270171	5,4740877	5,327295667	-0,146792	0,903256727	Cacng1
17459706	4,938721	4,759484	4,881102	4,68136	4,64651	4,811199	4,859769	4,713023	-0,146746	0,903285528	---
17284450	4,134907	3,493741	3,51964	3,053003	3,644699	4,010443	3,716096	3,569381667	-0,14671433	0,903305355	---
17463967	4,004884	4,016096	4,196021	4,157194	3,852213	3,767533	4,0723337	3,925646667	-0,146687	0,903322469	Capza3
17322125	7,468772	7,825138	7,799351	7,451657	7,512471	7,689161	7,6977537	7,551096333	-0,14665733	0,903341045	Krt18 // Krt18
17368526	8,41839	8,47998	8,618738	8,199587	8,455563	8,422014	8,5057027	8,359054667	-0,146648	0,903346889	Wdr5
17211000	7,765433	7,530323	7,680037	7,598201	7,886988	7,050952	7,6585977	7,512047	-0,14655067	0,903407836	Rrs1
17550749	3,400263	3,217866	3,232461	3,105398	3,207674	3,097889	3,28353	3,136987	-0,146543	0,903412637	---
17503446	8,175781	8,202647	7,952037	7,817421	8,071815	8,001619	8,110155	7,963618333	-0,14653667	0,903416603	Gpt2
17282958	3,461124	4,032043	3,13333	3,409941	3,545478	3,231514	3,5421657	3,395644333	-0,14652133	0,903426205	Gm5039
17351835	10,0891	10,17429	10,21273	10,02815	9,954454	10,054	10,158707	10,01220133	-0,14650533	0,903436224	---
17205615	4,282362	4,188608	4,478082	3,904363	4,304848	4,30033	4,3163507	4,169847	-0,14650367	0,903437268	---
17250126	3,387135	3,707709	3,669789	3,459569	3,473044	3,392545	3,5882211	3,441719333	-0,14649167	0,903444783	---
17200153	5,642903	6,050076	5,985402	5,29815	6,001968	5,938931	5,8927937	5,746349667	-0,146444	0,903474633	---
17548238	11,63336	11,82028	11,63723	11,6416	11,40398	11,60605	11,696957	11,55054333	-0,14641333	0,903493838	Fabp5
17326527	9,315416	9,411242	9,274426	9,133504	9,172596	9,255829	9,3336947	9,187309667	-0,146385	0,903511582	Cggbp1
17438134	6,99779	7,27615	7,095009	7,021809	7,033002	6,874991	7,122983	6,976600667	-0,14638233	0,903513252	Dcun1d4
17479839	2,944595	2,983467	3,066217	2,937224	2,813412	2,804559	2,998093	2,851731667	-0,14636133	0,903526404	---
17403994	4,333706	4,296975	3,991838	4,08372	4,053175	4,046546	4,2075063	4,061147	-0,14635933	0,903527656	Il7
17278236	4,5513	4,650673	4,822856	4,566185	4,522603	4,497002	4,674943	4,528596667	-0,14634633	0,903535798	---
17461919	7,813565	7,187709	7,681074	7,6708	7,186557	7,385969	7,5607827	7,414442	-0,14634067	0,903539347	---
17491739	3,055596	3,118503	3,398254	3,081399	3,067342	2,984606	3,1907843	3,044449	-0,14633533	0,903542687	Mir344-2
17430669	4,739786	4,67509	5,209339	4,80228	4,747183	4,63581	4,8747383	4,728424333	-0,146314	0,903556048	---
17289422	4,556035	4,875203	4,710784	4,553645	4,628619	4,520817	4,7140073	4,567693667	-0,14631367	0,903556257	Foxd1
17393878	5,037756	5,162925	5,069131	5,038209	4,834685	4,957986	5,0899373	4,943626667	-0,14631067	0,903558136	Plcg1 // Plcg1
17211867	5,31582	5,208839	5,456657	5,033054	5,153062	5,356285	5,3271053	5,180800333	-0,146305	0,903561685	Zap70
17265229	7,554926	7,607952	7,92852	7,327644	7,744438	7,580431	7,6971327	7,550837667	-0,146295	0,903567948	Alox15
17289660	8,45336	8,488734	8,415975	8,161626	8,365381	8,392259	8,4526897	8,306422	-0,14626767	0,903585067	Dimt1
17495250	4,846558	4,778259	4,990141	4,585348	4,636125	4,95476	4,8716527	4,725411	-0,14624167	0,903601351	---
17550807	3,362192	3,505057	3,52936	3,26357	3,355992	3,338332	3,4655363	3,319298	-0,14623833	0,903603439	---
17294485	5,257464	4,872938	5,205377	4,987888	5,063758	4,845434	5,1119263	4,965693333	-0,146233	0,903606779	Gpr150
17252574	5,037438	4,599469	4,8676	4,562333	4,940428	4,563062	4,8348357	4,688607667	-0,146228	0,903609911	Itgae
17549526	4,561614	4,760574	4,896836	4,570932	4,719258	4,490152	4,7396747	4,593447333	-0,14622733	0,903610329	---
17549678	4,561614	4,760574	4,896836	4,570932	4,719258	4,490152	4,7396747	4,593447333	-0,14622733	0,903610329	---
17498958	5,494745	5,252707	5,619696	5,312211	5,414929	5,201341	5,455716	5,309493667	-0,14622233	0,90361346	---
17207709	3,239712	3,053078	3,128822	2,808741	2,886596	3,28774	3,1405373	2,994359	-0,14617833	0,90364102	---
17208679	6,577453	7,465613	6,915496	6,883945	6,953845	6,682277	6,9861873	6,840022333	-0,146165	0,903649371	---
17508833	4,149372	4,595806	4,124036	4,391096	3,972162	4,06747	4,289738	4,143576	-0,146162	0,90365125	---
17431053	6,63244	6,625703	6,731062	6,418412	6,591137	6,541173	6,6630683	6,516907333	-0,146161	0,903651877	Zdhhc18
17379224	4,899426	4,604129	5,310534	4,887784	4,624008	4,863937	4,9380297	4,791909667	-0,14612	0,903677558	---
17472364	4,826156	4,728162	4,662867	4,624336	4,474974	4,679613	4,7390617	4,592974333	-0,14608733	0,90369802	Slco1a4
17297999	4,80622	4,673441	4,800279	4,813035	4,354918	4,673761	4,75998	4,613904667	-0,14607533	0,903705537	Asb14
17399972	3,743164	3,843843	3,743164	3,452238	3,686696	3,7531	3,7767237	3,630678	-0,14604567	0,90372412	Hrnr
17389093	7,486168	7,454803	7,471446	7,356394	7,37858	7,239338	7,4708057	7,324770667	-0,146035	0,903730802	2700007P21Rik
17414991	5,067602	4,763469	4,991835	4,896799	4,811416	4,676677	4,9409687	4,794964	-0,14600467	0,903749803	Gm11412
17269717	9,372488	9,800393	9,519543	9,391749	9,441918	9,420745	9,5641413	9,418137333	-0,146004	0,903750221	Stat3
17204825	4,945794	4,19408	3,892204	3,958092	4,00437	4,631647	4,344026	4,198036333	-0,14598967	0,9037592	---
17341285	3,389726	3,109655	3,445814	3,074228	3,231245	3,201989	3,315065	3,169154	-0,145911	0,903808481	Vmn2r94
17348648	6,315418	6,371771	6,235703	6,090758	6,139383	6,255028	6,3076307	6,161723	-0,14590767	0,903810569	Taf4b
17201129	8,380094	8,118495	8,076116	8,073371	7,620439	8,443268	8,1915683	8,045692667	-0,14587567	0,903830617	---
17329624	4,099146	3,937855	4,035663	3,7965	4,053714	3,784839	4,0242213	3,878351	-0,14587033	0,903833958	---
17534673	9,147976	8,97371	9,015673	8,57623	9,121655	9,0019	9,0457863	8,899928333	-0,145858	0,903841685	2610018G03Rik
17384177	5,45723	5,550379	5,285175	4,945774	5,346453	5,563008	5,430928	5,285078333	-0,14584967	0,903846906	Zbtb34
17427096	3,136156	3,317734	3,052189	2,990808	3,137377	2,940358	3,168693	3,022847667	-0,14584533	0,90384962	Gm13280
17544740	3,604301	3,521976	3,699079	3,570403	3,498534	3,318925	3,608452	3,462620667	-0,14583133	0,903858391	Kir3dl2
17529196	4,14232	3,900714	4,201399	4,137272	3,736978	3,932733	4,0814777	3,935661	-0,14581667	0,90386758	---
17296545	4,36071	4,498844	4,44427	4,377289	4,358178	4,130921	4,434608	4,288796	-0,145812	0,903870504	AF067063 // AF067063
17523188	8,120258	8,384	8,450172	8,186146	8,219125	8,11175	8,3181433	8,172340333	-0,145803	0,903876143	---
17472735	4,423229	3,875768	3,534948	3,857568	3,838931	3,700101	3,9446483	3,798866667	-0,14578167	0,903889508	---
17293142	9,38916	9,199555	9,16295	8,912955	9,374681	9,026685	9,250555	9,104773667	-0,14578133	0,903889717	Hnrnpk
17307690	5,295115	5,296336	5,350694	5,166208	5,085938	5,252664	5,3140483	5,16827	-0,14577833	0,903891597	---
17457802	5,316153	5,2355	5,814138	5,364736	5,259308	5,304472	5,4552637	5,309505333	-0,14575833	0,903904128	---
17273694	5,637228	5,274502	5,518739	5,505383	5,198956	5,288889	5,476823	5,331076	-0,145747	0,903911228	Pomc
17244726	5,704621	5,830331	6,002538	5,983732	5,730579	5,385952	5,84583	5,700087667	-0,14574233	0,903914152	Myf5
17329023	6,191625	5,545977	6,122545	6,010261	5,565777	5,846928	5,9533823	5,807655333	-0,145727	0,903923759	Iglv1 // Iglv1
17548717	11,61756	11,8143	11,61672	11,63507	11,38302	11,59332	11,68286	11,53713667	-0,14572333	0,903926057	Fabp5 // Fabp5
17486771	4,490239	4,656211	4,164145	4,562216	4,046777	4,264472	4,436865	4,291155	-0,14571	0,903934411	Crx
17545150	5,16579	4,942242	4,943164	4,975596	4,81575	4,822901	5,0170653	4,871415667	-0,14564967	0,903972214	Lhfpl1
17284493	3,058721	3,192453	2,930465	2,837905	2,922368	2,984456	3,0605463	2,914909667	-0,14563667	0,90398036	Igh-VJ558 // Igh-VJ558
17236745	3,583774	4,120158	3,749476	3,799347	3,317288	3,899867	3,8178027	3,672167333	-0,14563533	0,903981195	---
17203987	7,138014	6,258246	6,03508	6,386433	5,881242	6,726862	6,4771133	6,331512333	-0,145601	0,904002708	---
17200059	6,389581	6,970099	6,771	6,187062	6,715337	6,791503	6,7102267	6,564634	-0,14559267	0,90400793	---
17401725	3,727779	3,601895	4,103111	3,731202	3,857494	3,40732	3,8109283	3,665338667	-0,14558967	0,90400981	---
17549220	3,258793	3,56672	3,51964	3,316553	3,365092	3,226817	3,4483843	3,302820667	-0,14556367	0,904026102	---
17470515	5,058808	5,064071	5,342026	5,011801	5,047282	4,969273	5,1549683	5,009452	-0,14551633	0,904055763	Iqsec3
17427655	4,380489	4,506704	4,19879	4,215429	4,215678	4,218341	4,3619943	4,216482667	-0,14551167	0,904058687	Insl5
17381521	3,254937	3,449736	3,482803	3,275587	3,286846	3,188527	3,3958253	3,25032	-0,14550533	0,904062656	---
17201167	6,935733	6,930648	6,383141	6,325341	6,60988	6,877819	6,7498407	6,604346667	-0,145494	0,904069758	---
17316272	3,246828	2,850835	2,977462	2,900401	2,869996	2,868386	3,0250417	2,879594333	-0,14544733	0,904099002	---
17217048	5,208719	5,383393	5,265242	4,809233	5,218841	5,392991	5,2857847	5,140355	-0,14542967	0,904110073	5430435G22Rik
17324297	4,673495	4,636905	4,634207	4,542217	4,554139	4,412001	4,6482023	4,502785667	-0,14541667	0,90411822	9230117E06Rik
17446466	3,374291	4,116879	3,876946	3,768938	3,577032	3,586024	3,789372	3,643998	-0,145374	0,904144959	Gm5862
17275950	6,110993	6,117738	6,224425	6,256976	5,862598	5,89755	6,151052	6,005708	-0,145344	0,904163761	4931403G20Rik
17291325	5,493804	5,510471	5,382986	5,28961	5,508417	5,153319	5,4624203	5,317115333	-0,145305	0,904188203	---
17357207	8,756729	8,802468	9,01712	8,83608	8,69426	8,610071	8,8587723	8,713470333	-0,145302	0,904190083	Tmem223
17400881	4,854008	4,670962	4,819635	4,714317	4,583063	4,611378	4,781535	4,636252667	-0,14528233	0,904202409	---
17502781	8,018766	8,320878	7,73338	7,830251	7,7215	8,085447	8,0243413	7,879066	-0,14527533	0,904206796	Anapc10 // Anapc10
17278090	6,126884	6,044444	6,081286	5,673822	6,112535	6,030469	6,0842047	5,938942	-0,14526267	0,904214735	Chga
17373508	5,738537	5,509828	6,075105	5,613623	5,705625	5,568454	5,77449	5,629234	-0,145256	0,904218914	D930015M05Rik
17328249	3,212335	3,561735	3,721054	3,246081	3,388542	3,424742	3,4983747	3,353121667	-0,145253	0,904220794	---
17429826	5,491053	5,403666	5,779993	5,491394	5,589171	5,158575	5,5582373	5,413046667	-0,14519067	0,904259863	---
17403457	6,305736	6,36878	6,222838	5,994829	6,274883	6,192133	6,299118	6,153948333	-0,14516967	0,904273025	2410004B18Rik
17481594	4,177799	3,718621	3,54316	3,933041	3,357552	3,713546	3,8131933	3,668046333	-0,145147	0,904287233	Olfr473
17473365	3,238625	3,359573	3,339694	2,994053	3,359795	3,148612	3,3126307	3,167486667	-0,145144	0,904289113	---
17391563	7,434717	7,06901	7,946974	7,314046	7,513874	7,187425	7,483567	7,338448333	-0,14511867	0,90430499	---
17298131	7,645696	7,677643	7,795373	7,606976	7,527134	7,549338	7,7062373	7,561149333	-0,145088	0,904324215	Selk
17489518	2,7776	2,745832	3,4629	2,911593	2,754151	2,885363	2,995444	2,850369	-0,145075	0,904332364	---
17392543	4,520699	4,243533	4,35427	4,109491	4,352906	4,220881	4,372834	4,227759333	-0,14507467	0,904332573	---
17203199	2,845176	2,730611	3,17311	2,88413	2,822814	2,606781	2,916299	2,771241667	-0,14505733	0,904343438	---
17404731	6,536972	6,337034	6,449736	6,423927	6,124347	6,340322	6,4412473	6,296198667	-0,14504867	0,90434887	Dcun1d1
17285510	3,502847	3,796206	3,671005	3,587121	3,441822	3,505985	3,656686	3,511642667	-0,14504333	0,904352214	---
17358266	4,675466	4,14524	4,624555	4,307069	4,466443	4,236641	4,4817537	4,336717667	-0,145036	0,904356811	Pgm5
17344238	5,87302	5,883923	6,132798	5,690537	5,85048	5,913664	5,963247	5,818227	-0,14502	0,90436684	Gpank1
17289699	6,724553	6,974711	6,648034	6,614733	6,616122	6,681383	6,7824327	6,637412667	-0,14502	0,90436684	Ercc8
17491511	3,471663	3,053003	3,033189	2,944422	3,102156	3,076242	3,1859517	3,04094	-0,14501167	0,904372064	---
17246424	3,503326	3,35472	3,577027	3,358716	3,314988	3,326402	3,4783577	3,333368667	-0,144989	0,904386273	Olfr802
17449718	7,382467	8,649576	6,884626	7,366348	7,359099	7,756341	7,6388897	7,493929333	-0,14496033	0,904404244	Cxcl10
17540743	4,210649	4,7793	4,021111	4,394301	4,123462	4,05842	4,33702	4,192061	-0,144959	0,90440508	Slx
17387363	10,49915	10,94833	10,80047	10,71047	10,47892	10,62385	10,749317	10,60441333	-0,14490333	0,904439977	---
17438697	4,137838	4,55899	4,093682	4,097822	4,098953	4,159235	4,2635033	4,11867	-0,14483333	0,904483862	Csn3
17444309	5,631674	5,36898	5,509218	5,219397	5,619438	5,236607	5,5032907	5,358480667	-0,14481	0,90449849	Grid2ip
17207879	4,93365	4,941309	5,054095	4,3665	5,501358	4,62678	4,9763513	4,831546	-0,14480533	0,904501416	---
17318734	6,108389	5,652753	6,16479	6,152458	5,740364	5,598701	5,9753107	5,830507667	-0,144803	0,904502879	Zfp647
17361683	8,072586	8,257857	8,110821	8,071212	7,945023	7,990809	8,147088	8,002348	-0,14474	0,904542378	Sipa1
17489928	3,371703	3,3892	3,400299	3,224704	3,332335	3,169953	3,3870673	3,242330667	-0,14473667	0,904544468	Gm5591
17252689	8,258842	8,135967	7,966024	7,960431	7,942452	8,023804	8,1202777	7,975562333	-0,14471533	0,904557844	Spata22
17337368	6,431069	5,904969	6,521224	6,27634	6,2828	5,864055	6,285754	6,141065	-0,144689	0,904574355	A930015D03Rik
17251282	7,303146	7,167073	7,402323	7,186666	7,228912	7,022934	7,2908473	7,146170667	-0,14467667	0,904582088	Stx8
17299279	7,696835	7,691665	7,524193	7,46984	7,495314	7,513535	7,6375643	7,492896333	-0,144668	0,904587522	Cgrrf1
17407435	5,500578	4,867864	4,843294	4,739529	5,394886	4,64341	5,0705787	4,925941667	-0,144637	0,904606959	Lce1b

17491642	3,128061	3,194874	2,907881	2,891901	2,946959	2,958099	3,0769387	2,932319667	-0,144619	0,904618246	---	
17232197	3,44688	3,147887	3,4142	3,183684	3,258639	3,132792	3,3363223	3,191705	-0,14461733	0,904619291	Taar8a	
17258783	5,018491	4,426418	5,175094	4,45576	4,772622	4,957864	4,8733343	4,728748667	-0,14458567	0,904639147	---	
17280913	5,658384	5,616716	5,835464	5,501881	5,565396	5,609538	5,7035213	5,558938333	-0,144583	0,904640819	Nova1	
17263388	5,209355	5,279627	5,666087	5,200706	5,155225	5,36541	5,385023	5,240447	-0,144576	0,904645209	Wnt3a	
17485891	5,654627	5,488053	5,735084	5,388912	5,443201	5,611956	5,6259213	5,481356333	-0,144565	0,904652106	Tmem150b	
17525393	4,642896	4,738885	4,69251	4,515873	4,522992	4,60175	4,6914303	4,546871667	-0,14455867	0,904656078	---	
17316021	9,914279	10,06939	9,978236	9,80969	9,957534	9,761129	9,9873017	9,842784333	-0,14451733	0,904681996	Tars	
17231287	6,472976	6,227031	6,541308	6,489054	5,983517	6,335272	6,4137717	6,269281	-0,14449067	0,904698719	Cd46	
17340673	5,344532	5,36761	5,527698	5,211555	5,295141	5,299692	5,41328	5,268796	-0,144484	0,904702899	Fndc1	
17237603	3,674317	3,610678	3,885324	3,673266	3,677123	3,386499	3,7234397	3,578962667	-0,144477	0,904707289	1700025F24Rik	
17322788	5,652948	5,583766	5,618049	5,615834	5,30501	5,500521	5,6182543	5,473788333	-0,144466	0,904714187	---	
17503092	3,928646	4,425885	4,083035	3,899684	4,195415	3,909086	4,1458553	4,001395	-0,14446033	0,904717741	Mir709	
17206625	4,686366	6,136818	5,459672	5,180941	5,404752	5,263825	5,4276187	5,283172667	-0,144446	0,904726729	---	
17358825	4,342712	4,354075	3,861104	4,096356	3,92245	4,105779	4,1859637	4,041528333	-0,14443533	0,904733418	I830012O16Rik	
17503703	6,69365	7,022977	6,858758	6,481987	6,802843	6,857319	6,8584617	6,714049667	-0,144412	0,904748051	---	
17486513	3,409007	3,743027	3,351153	3,153102	3,460395	3,456462	3,5010623	3,356653	-0,14440933	0,904749723	Vmn1r72	
17438322	10,05441	10,01865	10,05192	9,893081	9,804045	9,994667	10,04166	9,897264333	-0,14439567	0,904758294	---	
17485963	5,254961	5,501808	5,52313	5,24495	5,529997	5,071795	5,426633	5,282247333	-0,14438567	0,904764565	Sbk2	
17353626	6,389501	6,403213	6,177499	6,174571	6,223582	6,139063	6,3234043	6,179072	-0,14433233	0,904798013	Gm1614	
17336634	8,280249	8,308327	8,211859	7,951503	8,127012	8,28893	8,2668117	8,122481667	-0,14433	0,904799477	---	
17341975	6,391637	6,229296	6,510702	6,245975	6,267053	6,185635	6,3772117	6,232887667	-0,144324	0,90480324	Npw	
17546504	3,320297	3,379181	3,327656	3,090529	3,51632	2,987443	3,342378	3,198097333	-0,14428067	0,904830417	LOC100042494	
17308815	4,261897	4,120176	4,160611	4,093719	3,962734	4,053425	4,1808947	4,036626	-0,14426867	0,904837943	Mir1971	
17336432	7,420845	8,629023	7,413172	7,802118	7,515803	7,712314	7,8210133	7,676745	-0,14426833	0,904838152	Tap1	
17435769	5,035949	5,164635	5,379327	5,195839	5,197586	4,753723	5,1933037	5,049049333	-0,14425433	0,904846933	Mir1960	
17317115	6,233002	6,753644	6,540971	6,27552	6,466418	6,352921	6,5092057	6,364953	-0,14425267	0,904847978	Dscc1	
17548468	8,748746	8,754601	8,3995	8,42662	8,475822	8,567708	8,6342823	8,49005	-0,14423233	0,904860731	Rbpms2 // Rbpms2	
17438814	9,383282	9,343961	9,216459	9,1158	9,084667	9,31059	9,3145673	9,170352333	-0,144215	0,904871603	Mob1b	
17262478	11,92179	11,89033	11,90182	11,77531	11,6988	11,80719	11,904647	11,76043333	-0,14421333	0,904872648	Hnrnpab	
17514424	7,191772	7,945899	6,941124	7,048347	7,233289	7,364635	7,3595983	7,215423667	-0,14417467	0,904896901	Casp1	
17424077	9,87634	10,00337	9,915409	9,868715	9,66483	9,829182	9,9317063	9,787575667	-0,14413067	0,904924499	B4galt1	
17348631	5,623675	5,35323	5,276218	5,273612	5,18882	5,358469	5,4177077	5,273633667	-0,144074	0,904960044	---	
17514320	7,363381	7,29253	7,319116	7,175809	7,07209	7,294923	7,325009	7,180940667	-0,14406833	0,904963598	2610044O15Rik	
17363470	7,886869	8,222937	7,705256	7,729962	7,980719	7,67218	7,938354	7,794287	-0,144067	0,904964435	Gda	
17461471	4,588137	4,755769	4,213851	4,482285	4,294461	4,348873	4,5192523	4,375206333	-0,144046	0,904977607	---	
17417824	4,290814	3,600794	3,81909	3,81051	3,923901	3,54424	3,903566	3,759550333	-0,14401567	0,904996635	Olfr1330	
17454360	6,066144	6,126871	6,45024	6,138575	5,959108	6,113604	6,2144183	6,070429	-0,14398933	0,905013154	Prkar1b	
17405489	5,769576	5,905416	5,60034	5,51183	5,416446	5,915107	5,758444	5,614461	-0,143983	0,905017127	Igsf10	
17205297	5,898325	5,602919	5,337834	5,802667	5,096962	5,50752	5,613026	5,469049667	-0,14397633	0,905021309	---	
17390844	7,467099	7,901554	7,560484	7,666569	7,274757	7,555949	7,6430457	7,499091667	-0,143954	0,905035319	Myef2	
17507922	7,156571	6,805743	6,757334	6,718946	6,719636	6,849205	6,9065493	6,762595667	-0,14395367	0,905035528	---	
17507931	7,156571	6,805743	6,757334	6,718946	6,719636	6,849205	6,9065493	6,762595667	-0,14395367	0,905035528	---	
17210729	5,99253	6,239002	6,091934	5,992999	5,845261	6,053413	6,107822	5,963891	-0,143931	0,905049748	---	
17288354	6,42766	5,495567	5,942037	5,923315	5,835958	5,674318	5,955088	5,811197	-0,143891	0,905074841	BC048507	
17298944	3,04156	3,226817	3,029924	3,106279	3,063044	2,697349	3,0994337	2,955557333	-0,14387633	0,905084043	---	
17200673	4,252688	3,646091	4,935031	3,571139	4,795557	4,035497	4,2779367	4,134064333	-0,14387233	0,905086552	---	
17248213	9,901287	10,10637	9,848666	9,734578	9,666472	10,02369	9,9521077	9,808246667	-0,143861	0,905093662	Cpeb4	
17239755	8,657601	9,001373	8,757259	8,580639	8,798857	8,605174	8,805411	8,661556667	-0,14385433	0,905097845	---	
17289031	7,19004	7,000252	6,880291	7,048354	6,807867	6,782827	7,0235277	6,879682667	-0,143845	0,9051037	Rps23	
17214719	5,081963	4,924701	5,226711	4,763352	5,007129	5,031383	5,0777917	4,933954667	-0,143837	0,905108719	LOC100862182	
17385281	4,824443	4,675376	4,890782	4,70435	4,61895	4,635877	4,796867	4,653059	-0,143808	0,905126913	Cacnb4	
17266617	2,96652	3,097228	3,01212	2,685686	2,985651	2,97319	3,0252893	2,881509	-0,14378033	0,905144271	---	
17208255	3,925049	4,505739	4,308706	4,571731	4,053	3,683601	4,246498	4,102777333	-0,14372067	0,905181706	---	
17304012	4,585968	4,293473	4,655914	4,388497	4,265297	4,450424	4,511785	4,368072667	-0,14371233	0,905186935	Kcnma1	
17519875	5,199747	5,172027	5,193144	5,098756	5,080141	4,954926	5,188306	5,044607667	-0,14369833	0,905195719	Mei4	
17296639	6,051179	5,793362	5,836411	5,786599	5,697105	5,766159	5,8936507	5,749954333	-0,14369633	0,905196974	Gm10408	
17397899	3,380198	3,117007	3,199847	3,344246	2,864126	3,057606	3,2323507	3,088659333	-0,14369133	0,905200111	C130079G13Rik	
17519734	8,560257	8,76362	8,839684	8,540263	8,656982	8,535288	8,721187	8,577511	-0,143676	0,905209732	Gm19592	
17383816	7,104159	6,909805	7,063087	6,693362	7,102409	6,850338	7,0256837	6,882036333	-0,14364733	0,905227719	---	
17205139	4,92689	5,121592	5,223315	4,779643	5,094779	4,966525	5,090599	4,946982333	-0,14361667	0,905246961	---	
17209329	4,92689	5,121592	5,223315	4,779643	5,094779	4,966525	5,090599	4,946982333	-0,14361667	0,905246961	---	
17497924	6,596736	6,558683	6,643408	6,595382	6,369625	6,402991	6,599609	6,455999333	-0,14360967	0,905251353	Lrdd	
17284963	6,048982	5,818517	6,23442	5,88906	5,714841	6,067205	6,033973	5,890368667	-0,14360433	0,9052547	Marcksl1-ps4	
17322455	6,84678	7,180221	6,967563	6,737586	6,784503	7,041804	6,998188	6,854631	-0,143557	0,905284401	Zfp263	
17207545	4,236816	4,189877	3,648661	4,006983	3,867656	3,770067	4,025118	3,881568667	-0,14354933	0,905289211	---	
17514867	11,60943	11,93482	11,76102	11,57151	11,58096	11,72222	11,768423	11,62489667	-0,14352667	0,905303435	---	
17448082	8,626628	8,563947	8,493619	8,463267	8,418563	8,371796	8,561398	8,417875333	-0,14352267	0,905305945	Sepsecs	
17422565	5,951024	6,025066	5,935193	5,729955	5,659205	6,091632	5,9704277	5,826930667	-0,143497	0,905322051	Tmem52	
17203541	4,794277	3,381076	4,466212	3,824753	4,17953	4,206878	4,213855	4,070387	-0,143468	0,905340249	---	
17423395	4,673018	4,592418	4,986723	4,668845	4,481961	4,67095	4,7507197	4,607252	-0,14346767	0,905340459	Slc26a7	
17208979	2,846239	3,270892	3,098664	3,001431	2,877619	2,906405	3,0719317	2,928485	-0,14344667	0,905353637	---	
17519667	3,85759	3,667641	4,364465	3,510494	3,683823	4,26511	3,963232	3,819809	-0,143423	0,905368489	---	
17281108	7,159734	7,568917	7,186326	7,32129	6,993158	7,170377	7,3049923	7,161608333	-0,143384	0,905392964	Eapp	
17269134	4,43479	4,583773	4,710103	4,442812	4,165556	4,690202	4,576222	4,432856667	-0,14336533	0,905404679	---	
17315051	5,92194	5,496034	5,830943	5,559289	5,741844	5,517773	5,749639	5,606302	-0,143337	0,90542246	---	
17290828	3,590129	3,609703	3,651001	3,337865	3,651848	3,43123	3,6169443	3,473647667	-0,14329667	0,905447773	4930448F12Rik	
17507584	7,389676	7,441725	7,411856	7,350032	7,172412	7,290973	7,414419	7,271139	-0,14328	0,905458234	Dcun1d2	
17331407	8,318871	8,25503	8,126402	8,058536	8,151686	8,060377	8,2334343	8,090199667	-0,14323467	0,905486686	4930453N24Rik	
17548197	5,603415	5,448745	5,424236	5,56054	5,073949	5,412271	5,492132	5,34892	-0,143212	0,905500912	Gm20093	
17205817	7,575672	6,934973	6,635011	7,175612	6,33451	7,20592	7,048552	6,905347333	-0,14320467	0,905505515	---	
17399981	4,749293	4,687222	5,064243	4,816035	4,527033	4,728099	4,833586	4,690389	-0,143197	0,905510327	Rptn	
17359113	6,449384	6,755883	6,853046	7,030855	6,481737	6,116167	6,6861043	6,542919667	-0,14318467	0,905518068	O3far1	
17377443	3,577693	3,728928	3,545558	3,473292	3,363702	3,585643	3,617393	3,474212333	-0,14318067	0,905520579	Gm14139	
17290846	6,120512	6,513141	6,409524	6,653178	6,038923	5,921608	6,3477257	6,204569667	-0,143156	0,905536061	---	
17377199	7,589397	7,964484	7,857749	7,729004	7,661871	7,591337	7,8038767	7,660737333	-0,14313933	0,905546522	Naa20	
17442823	7,818355	7,808602	7,947108	7,851005	7,470497	7,82319	7,8580217	7,714897333	-0,14312433	0,905555938	Ran	
17361053	5,562508	5,44951	5,572966	5,213894	5,431627	5,510098	5,528328	5,385206333	-0,14312167	0,905557611	Nudt8 // Nudt8	
17368760	5,954692	6,120316	6,254291	5,931335	5,986228	5,982457	6,1097663	5,966673333	-0,143093	0,905575605	Mir3088	
17264863	10,56537	10,83265	10,78671	10,58328	10,65364	10,51858	10,728243	10,58516667	-0,14307667	0,905585858	---	
17477930	6,390171	6,370247	6,533413	6,439218	6,247358	6,178069	6,431277	6,288215	-0,143062	0,905595064	Rasip1	
17203499	5,496538	5,807353	6,224164	5,765942	5,925643	5,407422	5,842685	5,699669	-0,143016	0,905623939	---	
17514247	8,603437	8,570523	8,70177	8,544336	8,563383	8,339047	8,6252433	8,482255333	-0,142988	0,905641516	Tomm20	
17457807	5,43681	5,487321	5,460732	5,345142	5,346498	5,264261	5,461621	5,318633667	-0,14298733	0,905641934	Ephb6	
17316274	3,394612	3,078247	3,321781	2,939546	3,047029	3,379126	3,26488	3,121900333	-0,14297967	0,905646747	---	
17290924	7,383832	7,589541	7,807457	7,362961	7,174088	7,814886	7,59361	7,450645	-0,142965	0,905655954	---	
17358797	9,08425	9,032851	8,749876	8,535583	8,911263	8,991241	8,955659	8,812695667	-0,14296333	0,905657	Fas	
17421550	7,274889	7,597486	7,673822	7,302973	7,621738	7,192689	7,515399	7,372466667	-0,14293233	0,905676461	Mthfr	
17350138	10,64765	10,93835	10,7739	10,62751	10,59617	10,70744	10,786633	10,64370667	-0,14292667	0,905680018	---	
17350295	4,412449	4,214517	4,283834	4,23753	4,326374	3,91814	4,3036	4,160681333	-0,14291867	0,90568504	Mcc	
17319494	6,00474	5,850868	5,575008	5,362097	6,015603	5,624161	5,8102053	5,667287	-0,14291833	0,90568525	Chadl	
17201823	6,752958	6,481083	7,105589	6,495815	6,531421	6,883754	6,7798767	6,636996667	-0,14288	0,905709315	---	
17201999	6,752958	6,481083	7,105589	6,495815	6,531421	6,883754	6,7798767	6,636996667	-0,14288	0,905709315	---	
17475214	6,582784	7,13636	6,570187	6,497536	6,150321	7,212911	6,7631103	6,620256	-0,14285433	0,905725428	---	
17278543	5,746319	5,513512	5,756352	5,487879	5,493521	5,606343	5,672061	5,529247667	-0,14281333	0,905751168	Cyp46a1	
17390410	5,247997	5,220899	5,16887	4,962264	5,310742	4,936361	5,2125887	5,069789	-0,14279967	0,905759749	Tgm7	
17239760	3,233192	3,271072	3,040043	2,935128	3,090419	3,090419	3,1814357	3,038655333	-0,14278033	0,905771887	Taar7a	
17421170	7,333456	7,85851	7,199667	7,169448	7,370573	7,423451	7,4638777	7,321157333	-0,14272033	0,905809557	Hnrnph2 // Hnrnph2	
17257047	5,357649	5,697088	5,162416	5,357037	5,373344	5,058773	5,4057177	5,263051333	-0,14266633	0,90584362	---	
17301605	5,849009	5,746732	5,757919	5,706879	5,559729	5,65907	5,7845533	5,641892667	-0,14266067	0,90584702	Nkx2-6	
17284636	4,519986	4,627885	4,753701	4,661024	4,355923	4,456659	4,6338573	4,491202	-0,14265533	0,905850369	---	
17311602	8,002349	8,128992	7,958495	7,941201	7,798857	7,921813	8,0299453	7,887290333	-0,142655	0,905850578	Mtbp	
17227646	6,530092	6,315995	6,90185	6,370961	6,423983	6,52503	6,5826457	6,439991333	-0,14265433	0,905850997	Gm4788	
17366185	4,891669	5,354466	5,244917	4,928154	4,887181	5,247801	5,163684	5,021045333	-0,14263867	0,905860834	---	
17246154	5,11872	5,199766	5,161165	4,890048	5,108683	5,053067	5,1598837	5,017266	-0,14261767	0,90587402	Myl6b	
17494811	3,83918	3,517666	3,541636	3,724808	3,422278	3,323609	3,6328273	3,490231667	-0,14259567	0,905887834	Olfr514	
17462756	3,266653	3,477982	3,627556	3,565087	3,204057	3,17529	3,457397	3,314811333	-0,14258567	0,905894113	Clec4b1	
17527993	6,935597	6,867321	7,206081	6,971395	6,679239	6,930636	7,0029997	6,860423333	-0,14257633	0,905899974	---	
17414380	3,4112	3,067245	3,208673	2,984005	3,078909	3,1965	3,2290393	3,086471333	-0,142568	0,905905206	---	
17495836	5,006427	4,892492	5,540006	4,933216	5,142425	4,935817	5,1463083	5,003819333	-0,142489	0,905954814	Mettl9	
17332457	4,518806	4,831535	4,660784	4,518835	4,387951	4,676973	4,670375	4,527919667	-0,14245533	0,905975955	Lca5l	
17300733	4,603911	4,417457	4,245916	4,27311	4,128849	4,438096	4,422428	4,280018333	-0,14240967	0,906004633	---	
17541721	5,955962	5,571368	5,799229	5,74153	5,613965	5,544012	5,7755197	5,633169	-0,14235067	0,906041686	Mir542	
17202617	5,870401	6,056215	5,5256	5,845011	5,053573	6,126807	5,8174053	5,675130333	-0,142275	0,906089207	---	
17423867	4,821535	4,490349	4,75595	4,524341	4,651312	4,465412	4,689278	4,547021667	-0,14225633	0,906100931	1700003M02Rik	
17200589	3,737925	3,668063	4,340415	3,835031	3,65244	3,832259	3,9154677	3,773243333	-0,14222433	0,906121029	---	
17404880	4,047624	3,642458	3,959814	3,735146	3,555851	3,932394	3,8832987	3,741130333	-0,14216833	0,906156202	Il2	
17368193	5,077971	4,861461	4,897127	4,884775	4,711077	4,814273	4,9455197	4,803375	-0,14214467	0,906171067	Lcn11	
17263185	5,566768	5,071432	5,013679	5,236612	4,855745	5,13311	5,217293	5,075155667	-0,14213733	0,906175673	Olfr323	
17322254	6,288908	6,161877	6,33422	6,115162	6,139846	6,103706	6,2616683	6,119571333	-0,142097	0,906201008	Npff	
17208433	6,603193	6,705028	6,167667	6,38389	6,294391	6,371316	6,4919627	6,349865667	-0,142097	0,906201008	---	
17454831	6,170053	6,229295	6,266639	6,30898	5,798667	6,132119	6,2219957	6,079922	-0,14207367	0,906215664	Zfp853	
17395079	6,573147	7,87429	5,909074	6,550438	6,510258	6,869643	6,7855037	6,643446333	-0,14205733	0,906225924	Zbp1	
17232215	4,127437	4,193434	3,797554	3,855948	4,026451	3,809915	4,039475	3,897438	-0,142037	0,906238696	Moxd1	

17548102	9,433769	9,579599	9,132905	8,918683	9,176118	9,62542	9,382091	9,240073667	-0,14201733	0,90625105	Cycs // Cycs
17548541	9,433769	9,579599	9,132905	8,918683	9,176118	9,62542	9,382091	9,240073667	-0,14201733	0,90625105	Cycs
17541322	4,706297	4,545946	4,817044	4,629005	4,385247	4,629005	4,6897623	4,547752333	-0,14201	0,906255657	Dcaf12l2
17227795	2,984045	2,795071	2,808834	2,674052	2,741736	2,746164	2,86265	2,720650667	-0,14199933	0,906262357	---
17307463	8,41819	8,301988	8,305193	8,236355	8,156956	8,206097	8,3417903	8,199802667	-0,14198767	0,906269686	Ebpl
17306816	7,065484	7,688092	7,249715	7,166101	7,086758	7,324481	7,3344303	7,192446667	-0,14198367	0,906272198	Tgm1
17365167	5,003071	4,977742	5,319993	4,954888	4,933729	4,986244	5,1002687	4,958287	-0,14198167	0,906273455	Pdzd7
17476695	5,163321	4,813631	4,963714	4,906672	4,854772	4,753315	4,980222	4,838253	-0,141969	0,906281412	---
17424161	3,058873	3,005027	3,127795	3,048976	2,965267	2,751547	3,0638983	2,92193	-0,14196833	0,906281831	---
17203467	5,360586	4,652576	3,843465	4,291693	4,356588	4,782509	4,6188757	4,47693	-0,14194567	0,90629607	---
17548854	3,490751	3,616694	3,922773	3,547695	3,705754	3,350935	3,6767393	3,534794667	-0,14194467	0,906296698	---
17406182	4,638569	4,954704	4,767019	4,628475	4,65927	4,646715	4,786764	4,64482	-0,141944	0,906297117	---
17300370	10,00235	10,07598	10,21999	9,897323	9,848469	10,1267	10,09944	9,957497333	-0,14194267	0,906297954	---
17543262	3,695792	3,699425	3,651848	3,228394	3,734729	3,658163	3,682355	3,540428667	-0,14192633	0,906308215	---
17499800	4,628652	4,188518	4,287852	4,458108	4,272225	3,948915	4,3683407	4,226416	-0,14192467	0,906309262	Defa-ps1
17347619	5,56174	5,847224	5,458873	5,55281	4,982644	5,906613	5,6226123	5,480689	-0,14192333	0,906310099	Slc8a1
17449052	5,831767	6,286383	6,700452	6,368675	5,999157	6,025053	6,2728673	6,130961667	-0,14190567	0,906321198	Hopx
17281826	4,984091	4,84232	5,031281	4,803745	4,815005	4,813313	4,952564	4,810687667	-0,14187633	0,906339626	Rtn1
17437111	5,238746	4,965843	5,334924	5,075753	4,921829	5,11642	5,1798377	5,038000667	-0,141837	0,906364336	4930487D11Rik // 4930487D11Rik
17486299	5,42992	5,522463	5,000945	5,369847	4,959737	5,198242	5,317776	5,175942	-0,141834	0,906366221	Vmn2r45
17515641	4,349605	4,522851	4,364317	4,239781	4,30161	4,269946	4,4122577	4,270445667	-0,141812	0,906380042	AI414108
17304493	9,623322	9,927868	9,682559	9,582221	9,66922	9,55689	9,744583	9,602777	-0,141806	0,906383812	Gnl3
17474863	3,99075	3,808265	3,838835	3,855107	3,710859	3,646501	3,8792833	3,737489	-0,14179433	0,906391142	Vmn1r174
17448577	5,269177	5,018591	5,056846	4,980722	4,868684	5,069883	5,1148713	4,973096333	-0,141775	0,906403288	Gabra2
17532692	6,399283	6,350913	6,158298	6,436462	5,798311	6,248425	6,3028313	6,161066	-0,14176533	0,906409361	---
17527581	6,832277	6,52009	6,258957	6,28017	6,087507	6,818401	6,537108	6,395359333	-0,14174867	0,906419833	Cyp1a2
17213945	3,721563	3,765708	3,683721	3,638012	3,535645	3,572356	3,723664	3,582004333	-0,14165967	0,906475752	---
17368292	6,724187	6,320001	6,481335	6,280302	6,359931	6,460323	6,5085077	6,366852	-0,14165567	0,906478265	Sdccag3
17549040	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549046	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549052	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549058	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549064	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549074	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549142	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549146	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17549154	4,738028	4,413483	4,661836	4,658197	4,507086	4,223296	4,604449	4,462859667	-0,14158933	0,906519945	---
17233632	10,16403	10,03307	10,413	10,19717	9,916245	10,07192	10,203367	10,06177833	-0,14158833	0,906520573	---
17499765	4,86797	4,717489	4,747144	4,528605	4,631596	4,747706	4,7775343	4,635969	-0,14156533	0,906535025	Gm14850
17341708	2,984045	3,053003	4,067469	3,859212	2,487218	3,333494	3,3681723	3,226641333	-0,141531	0,906556599	---
17440726	5,837072	6,122014	5,977795	5,907976	5,755049	5,849267	5,9789603	5,837430667	-0,14152967	0,906557437	---
17255949	6,070317	5,734661	6,045026	5,923963	5,759619	5,741914	5,9500013	5,808498667	-0,14150267	0,906574403	Ppp1r1b
17474880	7,534777	7,824987	7,75676	7,637991	7,605396	7,448641	7,705508	7,564009333	-0,14149867	0,906576917	Zfp180
17323198	3,824177	3,544459	3,625224	3,6801	3,460754	3,428516	3,66462	3,523123333	-0,14149667	0,906578174	Efcab1
17304901	4,662478	4,613382	4,975949	4,501163	4,862315	4,463851	4,750603	4,609109667	-0,14149333	0,906580268	3425401B19Rik
17451186	4,370196	4,397892	4,276577	4,262161	4,111807	4,246243	4,3482217	4,206737	-0,14148467	0,906585715	Miat
17379873	9,640278	10,02739	9,870636	9,682674	9,744949	9,686247	9,8461013	9,704623333	-0,141478	0,906589904	---
17550126	7,035571	7,031623	6,531565	6,942039	6,307243	6,925071	6,866253	6,724784333	-0,14146867	0,906595769	---
17260885	8,289321	8,28441	8,390551	8,195664	8,263569	8,080667	8,3214273	8,179966667	-0,14146067	0,906600796	Aftph
17284654	4,177482	4,255931	3,957501	4,42283	3,75331	3,790435	4,1303047	3,988858333	-0,14144633	0,906609803	---
17401696	4,107479	3,782585	4,030646	3,660436	3,972857	3,863185	3,97357	3,832159333	-0,14141067	0,906632217	---
17320711	9,573913	9,854678	9,752603	9,665916	9,42412	9,666952	9,7270647	9,585662667	-0,141402	0,906637664	Zcrb1
17343170	4,641388	5,013722	5,321764	5,101446	4,6499	4,801346	4,9922913	4,850897333	-0,141394	0,906642691	Tff2
17418757	4,219604	4,140867	4,053782	3,955553	4,036065	3,998454	4,1380843	3,996690667	-0,14139367	0,9066429	1700080G11Rik
17353786	4,305211	4,359907	4,392622	4,243683	4,038389	4,351511	4,35258	4,211194333	-0,14138567	0,906647928	Gm10544
17358721	6,709608	6,875521	7,204557	6,937872	6,721846	6,705812	6,9298953	6,78851	-0,14138533	0,906648137	---
17203265	5,761102	4,910893	5,535262	5,129775	5,039023	5,614388	5,402419	5,261062	-0,141357	0,906665943	---
17491730	4,409022	4,156069	4,446722	4,284634	4,02879	4,274322	4,337271	4,195915333	-0,14135567	0,906666781	A330076H08Rik
17299776	3,404632	3,150537	3,130673	3,028784	3,129202	3,103797	3,228614	3,087261	-0,141353	0,906668457	---
17548538	4,987889	4,82963	4,895667	4,778031	4,667124	4,844013	4,9043953	4,763056	-0,14133933	0,906677046	Cpa2 // Cpa2
17506923	6,376998	5,886106	6,36103	6,189172	6,057147	5,953846	6,2080447	6,066721667	-0,141323	0,906687311	Slc35f3
17277978	4,322382	4,150099	4,336967	3,972124	4,101348	4,312062	4,269816	4,128511333	-0,14130467	0,906698833	Catsperb
17375927	5,887534	5,051665	5,51441	5,741501	5,383556	4,904642	5,4845363	5,343233	-0,14130333	0,906699671	---
17298825	7,665059	7,954091	7,674592	7,592424	7,680883	7,596541	7,7645807	7,623282667	-0,141298	0,906703023	Mmrn2
17309899	6,722198	6,916792	6,95585	6,611731	6,690901	6,868327	6,8649467	6,723653	-0,14129367	0,906705746	Rpl37
17339340	7,315307	7,206779	7,433067	7,1272	7,185271	7,218872	7,3183843	7,177114333	-0,14127	0,906720621	Zfp161
17326506	3,803889	3,817625	3,781856	3,647728	3,706761	3,625318	3,8011233	3,659935667	-0,14118767	0,906772368	Stx19
17489499	3,352946	3,280013	3,150221	3,068467	3,060179	3,231006	3,26106	3,119884	-0,141176	0,906779701	Gm19607
17496839	6,546472	6,750714	6,932896	6,421433	6,792119	6,593049	6,7433607	6,602200333	-0,14116033	0,906789548	Pycard
17315087	4,671245	5,001405	4,687109	4,648865	4,732164	4,555258	4,7865863	4,645429	-0,14115733	0,906791433	Scn8a
17488485	7,879079	7,809194	8,099748	7,580621	8,041077	7,742921	7,9293403	7,788206333	-0,141134	0,906806099	Il28a
17320974	6,896739	7,078358	7,120718	6,681311	7,060164	6,930956	7,0319383	6,890810333	-0,141128	0,906809871	Rpap3
17524895	5,695582	5,5844	5,627821	5,515192	5,448411	5,520928	5,6359343	5,494843667	-0,14109067	0,906833337	Elavl3
17248125	3,370322	3,604861	3,636412	3,548582	3,461236	3,17858	3,5371983	3,396132667	-0,14106567	0,906849051	---
17537046	4,741516	4,237242	3,953387	4,052951	4,338699	4,117381	4,310715	4,169677	-0,141038	0,906866442	---
17462244	5,12981	5,275415	5,163306	5,0032	4,983637	5,158607	5,1895103	5,048481333	-0,141029	0,906872099	Cacna2d4
17307685	4,45583	4,582025	4,420581	4,274168	4,258821	4,502434	4,4861453	4,345141	-0,14100433	0,906887605	4930471C04Rik
17548514	5,471177	5,727586	5,260373	4,98946	5,531187	5,515606	5,4863787	5,345417667	-0,140961	0,906914845	Suclg2 // Suclg2
17322541	6,405443	6,478741	6,503407	6,276966	6,502561	6,185188	6,4625303	6,321571667	-0,14095867	0,906916312	Dnaja3
17421150	6,565486	6,750497	6,739293	6,252784	6,780672	6,598979	6,685092	6,544145	-0,140947	0,906923646	4930455G09Rik
17284596	3,010198	3,184482	3,120717	3,119358	2,915927	2,85736	3,1051323	2,964215	-0,14091733	0,906942295	---
17200467	6,839497	6,836103	6,879673	6,668831	6,819515	6,644217	6,8517577	6,710854333	-0,14090333	0,906951096	---
17343710	7,946108	8,050857	7,211722	7,51892	7,938144	7,328981	7,736229	7,595348333	-0,14088067	0,906965346	H2-K1
17285530	3,204818	3,112569	2,973151	2,95356	3,018262	2,896142	3,096846	2,955988	-0,140858	0,906979596	---
17495454	4,316888	3,570703	4,300071	3,943014	4,132113	3,68999	4,062554	3,921705667	-0,14084833	0,906985673	---
17548914	5,992687	6,101498	6,2608	5,984782	6,068612	5,879075	6,1183283	5,977489667	-0,14083867	0,90699175	Akr1cl // Akr1cl // Akr1cl // Akr1cl
17418217	4,308971	4,215517	4,394407	4,096812	4,286826	4,112982	4,3062983	4,16554	-0,14075833	0,907042255	---
17318256	6,481812	6,390711	6,54199	6,300224	6,393897	6,298137	6,4715043	6,330752667	-0,14075167	0,907046447	Scrib
17491660	3,582837	3,847589	3,624838	3,201664	3,704651	3,72679	3,685088	3,544368333	-0,14071967	0,907066566	A230006K03Rik
17297692	7,201383	7,310262	6,9295	7,205405	6,793873	7,019732	7,1470483	7,006336667	-0,14071167	0,907071596	Rps24
17287969	5,317307	5,253242	5,242336	4,921254	5,020127	5,449498	5,2709617	5,130293	-0,14066867	0,907098632	Etohd2
17282129	6,318234	6,213541	6,109176	5,864216	6,346176	6,008592	6,2136503	6,072994667	-0,14065567	0,907106806	Tmem229b
17340646	4,819108	4,379822	4,772604	4,763741	4,72997	4,055886	4,657178	4,516532333	-0,14064567	0,907113093	Tagap1
17283683	5,164009	5,098598	3,9433	4,588344	4,80392	4,391868	4,7353023	4,594710667	-0,14059167	0,907147047	---
17229984	7,046453	6,901507	6,98	6,700029	6,793081	7,013097	6,9759867	6,835402333	-0,14058433	0,907151658	Darc
17290655	4,992271	5,274977	5,114058	4,955518	4,740473	5,263577	5,127102	4,986522667	-0,14057933	0,907154802	Gpr137b-ps
17368786	6,757658	6,791691	6,637866	6,772392	6,34023	6,652871	6,7290717	6,588497667	-0,140574	0,907158156	Ttf1
17341695	10,63918	10,68908	10,66398	10,43526	10,44903	10,68641	10,66408	10,52356667	-0,14051333	0,907196303	---
17511069	5,815398	5,314971	5,397666	5,409214	5,444602	5,252867	5,509345	5,368894333	-0,14045067	0,90723571	Nanos3
17315255	10,82446	11,04355	10,99132	10,82481	10,84084	10,77246	10,95311	10,81270333	-0,14040667	0,90726338	Eif4b
17474258	5,435413	4,779003	4,977877	4,8456	4,737844	5,187644	5,0640977	4,923696	-0,14040167	0,907266524	Psg29
17462863	9,74133	9,924705	9,734891	9,756421	9,63295	9,590423	9,8003087	9,659931333	-0,14037733	0,907281827	C1rl
17426062	6,34632	5,848459	5,621916	5,865199	5,604383	5,926061	5,9388983	5,798547667	-0,14035067	0,907298597	Mup7
17548232	4,67046	4,356823	4,65525	4,384575	4,364814	4,512137	4,5608443	4,420508667	-0,14033567	0,907308031	Gm10724
17200995	6,635383	6,838416	6,220437	6,111316	6,378537	6,783428	6,5647453	6,424427	-0,14031833	0,907318932	---
17278826	6,95358	6,798839	7,16906	6,820087	6,913242	6,767223	6,9738263	6,833517333	-0,140309	0,907324801	Mir666
17205853	3,006026	4,004177	3,430348	2,846157	3,239383	3,934311	3,4801837	3,339950333	-0,14023333	0,90737239	---
17297817	4,847848	4,640532	4,748777	4,737168	4,459988	4,619313	4,745719	4,605489667	-0,14022933	0,907374906	Gm10394
17289037	8,784706	8,773734	8,590219	8,552619	8,526665	8,648708	8,7162197	8,575997333	-0,14022233	0,907379309	Ssbp2
17520043	7,342583	7,506316	7,343591	7,150347	7,238207	7,383334	7,3974967	7,257296	-0,14020067	0,907392936	Cyb5r4
17548296	3,59028	3,863003	3,648017	3,532767	3,499334	3,648628	3,7004333	3,560243	-0,14019033	0,907399435	LOC100503320
17202137	4,223654	3,981475	3,672763	4,073734	3,395165	3,988456	3,9592973	3,819118333	-0,140179	0,907406563	---
17299487	3,78775	3,446294	3,811766	3,560659	3,556852	3,507778	3,6819367	3,541763	-0,14017367	0,907409918	Olfr740
17283940	9,02108	9,276824	9,38731	9,086357	9,147541	9,030799	9,2284047	9,088232333	-0,14017233	0,907410756	---
17214009	3,955452	4,02258	4,033785	4,022252	3,924106	3,644971	4,003939	3,863776333	-0,14016267	0,907416837	Apol7d
17442995	6,65661	6,436762	6,706754	6,477993	6,384995	6,516695	6,600042	6,459894333	-0,14014767	0,907426271	Kctd7
17437611	8,561291	8,842464	8,438325	8,569446	8,458805	8,393391	8,6140267	8,473880667	-0,140146	0,907427319	Pgm1
17359002	5,081954	5,081954	5,211548	4,806314	4,979571	5,169169	5,125152	4,985018	-0,140134	0,907434867	A330032B11Rik
17483383	7,092034	7,8822	7,159353	7,282712	7,27668	7,153799	7,3778623	7,237730333	-0,140132	0,907436125	Snora30
17353765	9,796877	10,02084	9,850753	9,800001	9,758234	9,689925	9,88949	9,749386667	-0,14010333	0,907454156	Hars
17530703	6,021821	6,154747	5,92397	5,783753	5,886823	6,009665	6,0335127	5,893413667	-0,140099	0,907456882	Parp3
17534130	3,873079	3,611046	3,469367	3,449961	3,571037	3,51223	3,651164	3,511076	-0,140088	0,907463801	Gm15008
17202039	4,582129	4,127097	4,879908	4,581881	4,471931	4,115066	4,5297113	4,389626	-0,14008533	0,907465478	---
17434933	8,598609	8,799141	8,62128	8,675401	8,562475	8,360913	8,67301	8,532929667	-0,14008033	0,907468623	Hgf
17239266	4,816246	4,131818	4,893329	4,395103	4,36194	4,664194	4,6137977	4,473745667	-0,140052	0,907486446	---
17535900	3,367236	3,144522	3,329064	3,103259	3,114134	3,203358	3,280274	3,140250333	-0,14002367	0,907504268	---
17408507	6,392712	6,404782	6,356344	6,286268	6,194062	6,253483	6,3846127	6,244604333	-0,14000833	0,907513913	---
17244126	8,073801	7,85409	7,562195	7,53826	7,821637	7,71026	7,8300287	7,690052333	-0,13997633	0,907534043	Actr6
17245422	6,760181	6,8752	6,831993	6,5044	6,668174	6,874952	6,822458	6,682508667	-0,13994933	0,907551027	Hmga2
17374304	6,302144	6,453328	6,404099	6,31034	6,237057	6,192369	6,3865237	6,246588667	-0,139935	0,907560044	Aven
17343682	9,54565	10,10558	10,02863	9,803038	9,700407	9,756628	9,8932867	9,753357667	-0,139929	0,907563819	---
17536931	6,627054	6,595272	6,789247	6,610395	6,559357	6,422063	6,6705243	6,530605	-0,13991933	0,9075699	---
17536943	6,627054	6,595272	6,789247	6,610395	6,559357	6,422063	6,6705243	6,530605	-0,13991933	0,9075699	---
17369235	8,870304	8,847478	9,021409	8,849031	8,677987	8,792495	8,9130637	8,773171	-0,13989267	0,907586675	Ppp2r4

17457601	4,057971	4,027343	3,88578	3,896001	3,762634	3,892803	3,9903647	3,850479333	-0,13988533	0,907591289	Tas2r137	
17383522	5,602774	6,045928	6,136926	5,792015	5,992496	5,581525	5,9285427	5,788678667	-0,139864	0,907604709	Cercam	
17430521	7,304358	6,998428	7,220934	6,877728	7,111916	7,114527	7,1745733	7,034723667	-0,13984967	0,907613727	Tmem39b	
17548669	6,465199	6,440203	6,353886	6,377127	6,18705	6,275618	6,4197627	6,279931667	-0,139831	0,90762547	Tmem66 // Tmem66	
17535989	4,633289	4,508217	4,714489	4,350003	4,649252	4,437278	4,618665	4,478844333	-0,13982067	0,907631971	---	
17241053	4,654138	4,457069	4,597705	4,388815	4,419875	4,480774	4,5696373	4,429821333	-0,139816	0,907634907	Cdh23	
17305291	7,209249	6,711333	6,896133	6,750536	6,788173	6,858574	6,938905	6,799094333	-0,13981067	0,907638262	---	
17506720	8,589329	8,766278	8,538323	8,37326	8,631736	8,469564	8,63131	8,49152	-0,13979	0,907651264	Urb2	
17317214	6,950479	7,696352	7,233011	6,678436	7,508037	7,274027	7,2932807	7,1535	-0,13978067	0,907657136	9130401M01Rik	
17469684	7,022776	7,047113	7,053821	6,955036	6,958797	6,790559	7,0412367	6,901464	-0,13977267	0,907662169	Gt(ROSA)26Sor	
17535972	8,360742	8,50025	8,147042	8,151531	8,188014	8,249188	8,3360113	8,196244333	-0,139767	0,907665734	Vbp1	
17203509	4,089198	4,515646	4,542193	4,463582	4,391567	3,872649	4,3823457	4,242599333	-0,13974633	0,907678737	---	
17202073	3,331443	4,404907	2,850187	3,226817	3,236017	3,704504	3,5288457	3,389112667	-0,139733	0,907687126	---	
17210127	3,779106	3,190543	4,6204	3,71436	3,441147	4,015391	3,8633497	3,723632667	-0,139717	0,907697192	---	
17371739	9,709225	9,693785	9,719026	9,499147	9,638702	9,565095	9,7073453	9,567648	-0,13969733	0,907709566	Hat1	
17526114	4,072118	4,00828	3,91823	3,45961	4,354923	3,765046	3,9995427	3,859859667	-0,139683	0,907718584	Rnf26	
17359874	5,715432	5,779998	5,851361	5,635242	5,590539	5,702033	5,7822637	5,642604667	-0,139659	0,907733685	Hps6	
17202027	3,503079	3,235439	3,768309	3,435615	3,546623	3,105647	3,5022757	3,362628333	-0,13964733	0,907741025	---	
17510867	7,916388	7,638511	7,687934	7,771393	7,54669	7,505825	7,747611	7,607969333	-0,13964167	0,907744591	Zfp330	
17229417	8,201166	8,15556	8,109845	8,086434	7,914659	8,046567	8,1555237	8,015886667	-0,139637	0,907747527	Pbx1	
17417736	3,674452	3,32721	3,848569	3,224984	3,645198	3,561182	3,6167437	3,477121333	-0,13962233	0,907756755	---	
17209687	2,981277	3,459479	2,879339	3,189692	2,85296	2,858579	3,1066983	2,967077	-0,13962133	0,907757385	---	
17406960	7,703709	7,524244	7,811601	7,694832	7,356331	7,569571	7,6798513	7,540244667	-0,13960667	0,907766613	Mir92b	
17400449	8,930986	9,050362	8,942348	8,80435	8,868582	8,832006	8,9745653	8,834979333	-0,139586	0,907779617	Anp32e	
17547767	9,377557	9,592046	9,428983	9,26177	9,297968	9,420188	9,4661953	9,326642	-0,13955333	0,907800172	Hnrnpf // Hnrnpf	
17323616	5,772424	5,447266	5,327904	5,445636	5,457374	5,225949	5,5158647	5,376319667	-0,139545	0,907805416	B830017H08Rik	
17296969	6,776364	6,592323	6,265965	6,522219	6,336903	6,356912	6,544884	6,405344667	-0,13953933	0,907808981	---	
17328419	6,306034	6,101379	6,32974	6,152343	6,129169	6,037057	6,2457177	6,106189667	-0,139528	0,907816113	---	
17203807	4,610855	3,826293	3,832037	4,532403	3,726194	3,592041	4,0897283	3,950212667	-0,13951567	0,907823874	---	
17537013	3,102768	3,146421	3,091746	2,944614	2,918217	3,059619	3,113645	2,97415	-0,139495	0,907836878	---	
17347210	9,416218	9,399584	9,311838	9,130177	9,277525	9,301455	9,37588	9,236385667	-0,13949433	0,907837298	Memo1	
17368658	5,473745	5,538236	5,521145	5,287048	5,480937	5,34672	5,511042	5,371568333	-0,13947367	0,907850303	Ppp1r26	
17523695	9,792328	9,554756	9,531821	9,430531	9,514919	9,515041	9,6263017	9,486830333	-0,13947133	0,907851771	Aasdhppt	
17210137	3,401015	3,666763	3,224403	3,482794	3,063954	3,327058	3,430727	3,291268667	-0,13945833	0,907859952	---	
17546792	3,718787	3,47318	3,504054	3,373892	3,707322	3,196492	3,5653403	3,425902	-0,13943833	0,907872537	Tspy-ps	
17281924	3,989551	4,474377	4,281701	4,050651	4,010697	4,266027	4,248543	4,109125	-0,139418	0,907885333	---	
17206317	4,901153	3,947714	3,510574	3,630381	3,778832	4,531985	4,1198137	3,980399333	-0,13941433	0,90788764	---	
17216620	6,578477	6,503308	6,144723	5,994603	6,316126	6,497543	6,408836	6,269424	-0,139412	0,907889109	Tfcp2l1	
17471819	4,544175	3,84991	3,865841	3,910119	4,035946	3,895672	4,086642	3,947245667	-0,13939633	0,907898968	Gm5581 // Gm5581	
17363663	5,961136	6,041945	5,854097	5,820356	5,893977	5,724711	5,9523927	5,813014667	-0,139378	0,907910505	Snora19	
17366118	5,961136	6,041945	5,854097	5,820356	5,893977	5,724711	5,9523927	5,813014667	-0,139378	0,907910505	Snora19	
17265386	5,169752	5,335353	4,704431	4,672138	4,956134	5,163137	5,0698453	4,930469667	-0,13937567	0,907911974	A430084P05Rik	
17237284	8,94984	9,10125	8,931833	8,766485	8,913871	8,884562	8,9943077	8,854972667	-0,139335	0,907937566	Krr1	
17217497	5,572433	5,374922	4,812981	5,112493	4,791412	5,438458	5,2534453	5,114121	-0,13932433	0,907944279	LOC100503055	
17345306	5,619979	5,859642	6,161745	5,80931	5,698457	5,715634	5,8804553	5,741133667	-0,13932167	0,907945957	Rsph9	
17354432	4,440938	4,072478	4,234681	4,135042	3,980078	4,215028	4,2493657	4,110049333	-0,13931633	0,907949314	---	
17542090	3,490626	3,369373	3,516679	3,254657	3,402883	3,301203	3,4588927	3,319581	-0,13931167	0,907952251	Mir465b-1	
17542094	3,490626	3,369373	3,516679	3,254657	3,402883	3,301203	3,4588927	3,319581	-0,13931167	0,907952251	Mir465b-1	
17240899	2,880542	2,820959	2,994065	2,711121	2,894823	2,671741	2,898522	2,759228333	-0,13929367	0,907963579	---	
17234494	4,60163	4,538574	4,709071	4,488602	4,379181	4,563676	4,616425	4,477153	-0,139272	0,907977215	S100b	
17253450	5,784219	5,950218	5,533505	5,445297	6,041953	5,362906	5,7559807	5,616718667	-0,139262	0,907983509	Mir451	
17201623	3,091242	2,893808	3,052956	3,019681	2,611503	2,989087	3,0126687	2,873423667	-0,139245	0,907994208	---	
17207913	5,971392	5,443609	5,541299	5,591872	5,592606	5,354166	5,6521	5,512881333	-0,13921867	0,908010782	---	
17361320	5,430805	5,394995	5,646039	5,509489	5,201878	5,342825	5,490613	5,351397333	-0,13921567	0,90801267	Gm960	
17490628	6,206958	6,444858	6,36487	6,27039	6,214901	6,113799	6,3388953	6,199696667	-0,13919867	0,90802337	Flt3l // Flt3l	
17210817	6,680112	6,246572	6,668549	6,571742	6,14125	6,464757	6,5317443	6,392583	-0,13916133	0,908046867	---	
17280897	8,673215	8,635024	8,418445	8,331649	8,553698	8,423897	8,5755613	8,436414667	-0,13914667	0,908056099	Stxbp6	
17421853	5,782119	5,644551	5,818474	5,83163	5,529139	5,466936	5,7483813	5,609235	-0,13914633	0,908056308	---	
17474878	4,273385	4,005426	3,931798	3,88483	4,00883	3,899649	4,070203	3,931103	-0,1391	0,908085472	Vmn1r183	
17550294	3,346105	3,390606	3,27507	3,229498	3,282919	3,082103	3,3372603	3,198173333	-0,139087	0,908093655	---	
17435725	3,697601	3,944642	4,076745	3,872977	3,743644	3,685256	3,9063293	3,767292333	-0,139037	0,908125127	Il6	
17343289	5,7889	5,79756	6,215096	5,777132	5,607996	5,999344	5,933852	5,794824	-0,139028	0,908130792	Pdxk-ps	
17493880	7,029858	6,965675	6,950397	6,798198	6,97924	6,751465	6,9819767	6,842967667	-0,139009	0,908142752	Atg16l2	
17541697	3,252108	3,283481	3,007094	3,125492	3,05485	2,945386	3,1808943	3,041909333	-0,138985	0,90815786	Mir92-2	
17321434	5,469945	5,72189	5,512408	5,542557	5,23792	5,50687	5,568081	5,429115667	-0,13896533	0,90817024	Dhh	
17317223	6,030605	6,295912	6,180889	6,114356	5,982723	5,993499	6,1691353	6,030192667	-0,13894267	0,908184509	---	
17288908	8,356261	8,606764	8,489367	8,231806	8,263308	8,540535	8,4841307	8,345216333	-0,13891433	0,908202345	Cetn3	
17201557	2,993617	3,000335	3,131196	2,648301	3,128618	2,931503	3,041716	2,902807333	-0,13890867	0,908205912	---	
17290795	4,139063	3,994832	3,9025	3,861499	3,905813	3,852408	4,0121317	3,87324	-0,13889167	0,908216614	---	
17407531	5,588374	5,312596	5,56245	5,699923	5,101863	5,245049	5,4878067	5,348945	-0,13886167	0,9082355	Gm10696	
17370206	5,625202	5,819667	5,736595	5,524338	5,71049	5,530112	5,7271547	5,588313333	-0,13884133	0,908248301	---	
17338416	6,440834	6,160197	6,236022	6,108689	6,383564	5,928286	6,2790177	6,140179667	-0,138838	0,908250399	Trem2	
17536060	4,068079	4,128194	4,177437	4,172036	3,865337	3,919858	4,12457	3,985743667	-0,13882633	0,908257744	4930480E11Rik	
17214865	3,915051	4,006645	3,866539	3,703747	3,863552	3,804461	3,9294117	3,790586667	-0,138825	0,908258583	Wdr69	
17350966	5,488038	5,599483	5,407072	5,400569	5,237806	5,439799	5,4981977	5,359391333	-0,13880633	0,908270335	G630071F17	
17486048	3,386055	3,123812	3,086394	2,912305	3,021132	3,24641	3,1987537	3,059949	-0,13880467	0,908271385	Vmn2r28	
17253307	8,166697	8,474019	8,243299	8,122019	8,189855	8,155781	8,2946717	8,155885	-0,13878667	0,908282717	Nufip2	
17301428	8,659564	8,52717	8,488539	8,323457	8,382468	8,553024	8,5584243	8,419649667	-0,13877467	0,908290272	Pbk	
17200221	5,773304	6,352797	5,934042	5,70812	5,890779	6,044969	6,0200477	5,881289333	-0,13875833	0,908300555	---	
17444884	5,784742	5,933813	5,586465	5,587817	5,632525	5,668462	5,76834	5,629601333	-0,13873867	0,908312937	Mtus2	
17208881	6,267418	5,914115	6,045943	5,827103	5,826046	6,158116	6,0758253	5,937088333	-0,138737	0,908313986	---	
17387806	3,315003	3,340521	3,289939	3,119686	3,25243	3,157176	3,3151543	3,176430667	-0,13872367	0,908322381	Olfr1164	
17285516	4,409014	4,46742	4,533915	4,439203	4,292732	4,262284	4,4701163	4,331406333	-0,13871	0,908330985	Tcrg-V6	
17334474	7,089794	7,300548	7,292849	6,959017	7,15277	7,155287	7,2277303	7,089024667	-0,13870567	0,908333714	Spsb3	
17330056	2,845315	2,991009	2,894374	2,830811	2,840988	2,6429	2,9102327	2,771566333	-0,13866633	0,908358479	---	
17434655	5,39171	5,431782	5,469236	5,145816	5,355627	5,37538	5,4309093	5,292274333	-0,138635	0,908378207	---	
17514926	5,408976	5,35076	5,54056	5,508669	5,315003	5,060743	5,433432	5,294805	-0,138627	0,908383244	---	
17213892	4,006672	3,600396	4,349736	3,767348	3,894215	3,879438	3,9856013	3,847000333	-0,138601	0,908399615	---	
17495412	7,496729	7,661072	7,839722	7,558108	7,634228	7,389443	7,665841	7,527259667	-0,13858133	0,908411998	Snord14a // Snord14a	
17531932	9,078209	8,815196	8,755882	8,777349	8,708986	8,747209	8,8830957	8,744514667	-0,138581	0,908412208	Cmtm8	
17480205	7,532976	7,39509	7,208388	7,425615	7,266973	7,028219	7,378818	7,240269	-0,138549	0,908432358	Rab30	
17548863	3,930653	3,939132	4,037923	3,723637	3,949727	3,818711	3,969236	3,830691667	-0,13854433	0,908435296	Fundc2 // Fundc2	
17291190	4,949654	5,120682	5,140481	4,894207	4,913863	4,987117	5,0702723	4,931729	-0,13854333	0,908435926	Hist1h2bn // Hist1h2bl // Hist1h2bj // Hi	
17550496	4,314329	4,14054	3,986661	4,011096	3,892075	4,122752	4,1471767	4,008641	-0,13853567	0,908440754	---	
17360890	7,377367	7,620497	7,197382	7,121491	7,403172	7,255024	7,3984153	7,259895667	-0,13851967	0,908450829	Grk5	
17204925	6,257184	5,927072	6,026889	6,065866	6,083816	5,645911	6,0703817	5,931864333	-0,13851733	0,908452298	---	
17299485	4,145613	4,102432	3,734642	3,952802	3,550859	4,063514	3,994229	3,855725	-0,138504	0,908460694	Olfr739	
17468432	3,394962	3,367288	3,402353	3,233167	3,241421	3,274513	3,388201	3,249700333	-0,13850067	0,908462793	Cml5	
17350447	9,56957	9,601764	9,515036	9,444654	9,37784	9,44838	9,5621233	9,423624667	-0,13849867	0,908464052	Dmxl1	
17499387	7,112592	7,311732	7,221862	6,806959	7,205606	7,218253	7,2153953	7,076939333	-0,138456	0,90849092	Zfp828	
17534877	4,397437	4,308872	4,19985	3,659304	4,506481	4,325009	4,302053	4,163598	-0,138455	0,908491549	3830403N18Rik	
17539479	6,531119	6,493962	6,56601	6,416622	6,457253	6,302053	6,5303637	6,391976	-0,13838767	0,908533951	Tmem27	
17429600	3,719652	3,50651	3,183674	3,229932	3,47296	3,291787	3,4699453	3,331559667	-0,13838567	0,908535211	Gm12887	
17239693	6,494766	6,160142	6,385496	6,330954	6,134864	6,159491	6,3468013	6,208436333	-0,138365	0,908548226	---	
17437479	4,543672	4,614367	4,487963	4,843136	4,105719	4,282153	4,5486673	4,410336	-0,13833133	0,908569428	---	
17231431	6,573019	6,575744	6,473901	6,33868	6,220199	6,64897	6,540888	6,402616333	-0,13827167	0,908607005	1700052N19Rik	
17355189	9,006994	9,109745	9,036425	8,853042	8,863394	9,021944	9,0510547	8,912793333	-0,13826133	0,908613513	Spire1	
17350673	9,928466	9,308726	10,06549	8,966529	9,979038	9,942338	9,7675607	9,629301667	-0,138259	0,908614983	9430076G02Rik	
17424928	6,30695	6,275415	6,141077	6,030826	6,248483	6,029387	6,2411473	6,102898667	-0,13824867	0,908621491	Tomm5	
17389066	6,977774	7,15831	7,001143	6,89905	6,889349	6,934093	7,0457423	6,907497333	-0,138245	0,90862138	Dnajc24	
17453137	7,413275	7,9092	7,673854	7,651426	7,415323	7,514875	7,665443	7,527208	-0,138235	0,908630098	Cct6a // Cct6a	
17547897	4,743031	4,852099	4,588689	4,6879	4,424668	4,656565	4,7279397	4,589711	-0,13822867	0,908634087	---	
17272163	6,689933	6,31731	6,549149	6,432028	6,292582	6,41714	6,5187973	6,380583333	-0,138214	0,908643324	Trim47	
17284039	9,2643	9,412436	9,344862	9,185148	9,124296	9,297551	9,3405327	9,202331667	-0,138201	0,908651512	Cinp	
17315240	3,515295	3,586964	3,480515	3,35675	3,344374	3,467066	3,5275913	3,389396667	-0,13819467	0,908655501	Gm5477	
17217232	5,205355	5,156495	5,25058	5,24925	4,982502	4,966198	5,2041433	5,065983333	-0,13816	0,908677335	Tmem81	
17393562	7,701374	7,625289	7,986893	7,821782	7,685975	7,391459	7,7711853	7,633072	-0,13811333	0,908706729	---	
17548687	5,642221	5,732236	6,032019	5,843234	5,467222	5,681716	5,8021587	5,664057333	-0,13810133	0,908714287	Nod2 // Nod2	
17392785	3,016675	2,906579	3,139003	3,024669	2,814126	2,80925	3,0207523	2,882681667	-0,13807067	0,908733603	---	
17540075	9,014679	9,026686	9,055719	8,950975	8,790258	8,941736	9,0323613	8,894323	-0,13803833	0,90875397	Ftsj1	
17457207	5,655642	5,438056	5,603488	5,484976	5,245112	5,552988	5,5657287	5,427692	-0,13803667	0,90875502	Agbl3	
17315538	4,737416	4,657073	4,755205	4,685564	4,623935	4,426155	4,7165647	4,578551333	-0,13801333	0,908769718	Hoxc4	
17285386	10,11805	10,31033	10,04033	10,0441	9,975931	10,03467	10,156237	10,01823367	-0,138003	0,908776227	Psma2	
17510635	6,045902	5,668071	6,129825	5,788235	5,855809	5,785749	5,9479327	5,809931	-0,13800167	0,908777067	Nr3c2 // Nr3c2	
17323427	4,274972	4,40739	4,989158	4,224983	4,419525	4,613016	4,5571733	4,419174667	-0,13799867	0,908778956	Rimbp3	
17330636	4,926865	5,192194	4,894612	4,828329	4,919403	4,851955	5,004557	4,866562333	-0,13799467	0,908781476	Gm609 // Gm609	
17341132	9,86308	9,928905	10,03903	9,827641	9,697816	9,891593	9,9436717	9,805683333	-0,13798833	0,908785466	Phf10	
17523224	8,615793	8,679771	8,581994	8,478735	8,451121	8,533751	8,6258527	8,487869	-0,13798367	0,908788405	Eif1b	
17355213	8,326439	8,453537	8,233057	8,130152	8,211566	8,257426	8,3376777	8,199714667	-0,137963	0,908801424	Cep76	
17527308	4,089791	3,86404	4,044736	3,703883	3,945025	3,935908	3,9995223	3,861605333	-0,137917	0,908830401	Psma4	
17522488	5,978158	5,624961	5,961257	5,827942	5,887914	5,434798	5,854792	5,716884667	-0,13790733	0,908836491	Prss46	
17200565	5,322117	6,00547	6,10925	5,761166	5,874036	5,387926	5,812279	5,674376	-0,137903	0,90883922	---	
17484644	8,279085	8,253162	8,356018	8,173102	8,127391	8,174063	8,2960883	8,158185333	-0,137903	0,90883922	Psmd13	
17519718	7,978299	8,034095	7,961191	7,686436	7,816046	8,057467	7,991195	7,853316333	-0,13787867	0,90885455	Mto1	

17539762	5,622548	5,743602	5,544177	5,267575	5,649445	5,57971	5,6367757	5,49891	-0,13786567	0,908862739	AU022751	
17489856	3,974715	4,082484	3,730323	3,883103	3,905348	3,585501	3,929174	3,791317333	-0,13785667	0,908868409	---	
17251179	4,52543	4,110071	4,015064	3,959271	4,170256	4,107477	4,216855	4,079001333	-0,13785367	0,908870299	Myh13	
17339077	4,000233	3,989921	4,183495	3,973177	3,770908	4,01609	4,057883	3,920058333	-0,13782467	0,908888569	---	
17423490	7,546349	7,87247	7,131809	7,075234	7,419907	7,642045	7,516876	7,379062	-0,137814	0,908895289	Ripk2	
17202727	3,369377	3,720822	3,424461	3,380428	3,602439	3,118356	3,5048867	3,367074333	-0,13781233	0,908896339	---	
17259507	9,768005	9,576349	9,759682	9,539433	9,64225	9,508918	9,7013453	9,563533667	-0,13781167	0,908896759	Hmga1-rs1	
17475580	9,687038	9,756338	9,892161	9,588424	9,714526	9,619165	9,7785123	9,640705	-0,13780733	0,908899489	Blvrb	
17309118	6,015535	6,050745	5,888935	5,931151	5,627598	5,983061	5,9850717	5,84727	-0,13780167	0,908903059	Tbc1d4	
17497203	8,346231	8,501401	8,379716	8,233862	8,139367	8,440949	8,409116	8,271392667	-0,13772333	0,90895241	Uros	
17532641	11,16492	11,51877	11,30553	11,15852	11,2509	11,16667	11,32974	11,19203	-0,13771	0,908960811	---	
17379456	5,317946	5,281467	5,413941	5,391899	4,987768	5,220572	5,3377847	5,200079667	-0,137705	0,908963961	Gm14317	
17292312	5,305261	4,87533	5,342335	4,870175	5,471845	4,76799	5,1743087	5,03667	-0,13763867	0,909005755	A330048O09Rik	
17550855	5,048321	4,852857	5,337799	4,896091	4,934943	4,995079	5,079659	4,942037667	-0,13762133	0,909016676	---	
17481684	7,09566	7,292741	7,126472	6,979774	7,096267	7,026012	7,1716243	7,034017667	-0,13760667	0,909025918	D930014E17Rik	
17221923	6,20789	6,609772	6,65624	6,307279	6,429842	6,323975	6,4913007	6,353698667	-0,137602	0,909028858	---	
17488076	4,20794	4,8306	5,385139	4,612204	4,995512	4,403162	4,807893	4,670292667	-0,13760033	0,909029908	---	
17260761	10,4041	10,44733	10,27036	10,19101	10,3596	10,15838	10,37393	10,23633	-0,1376	0,909030118	Plek	
17424476	4,071252	4,301827	4,281664	4,11458	4,003375	4,124037	4,2182477	4,080664	-0,13758367	0,90904041	---	
17201499	7,204013	5,723963	5,982599	5,975982	6,160424	6,361423	6,303525	6,165943	-0,137582	0,90904146	---	
17207799	3,469896	4,220063	4,082013	4,669092	3,297027	3,393135	3,9239907	3,786418	-0,13757267	0,909047341	---	
17285742	8,395655	8,70927	8,909784	8,727537	8,234395	8,640133	8,6715697	8,534021667	-0,137548	0,909062884	Hist1h2bk	
17420514	8,04991	8,141313	8,023643	7,900652	8,029144	7,87244	8,071622	7,934078667	-0,13754333	0,909065824	Camk2n1	
17448240	6,57084	6,260594	6,445078	6,663849	6,033236	6,16686	6,425504	6,287981667	-0,13752233	0,909079057	---	
17548066	6,000818	6,029894	5,974689	5,917025	5,772204	5,903684	6,0018003	5,864304333	-0,137496	0,90909565	LOC100861752	
17481531	5,202094	5,189583	5,221978	5,080338	5,103571	5,017268	5,2045517	5,067059	-0,13749267	0,909097751	Rbmxl2	
17246113	9,346112	9,308624	9,525555	9,409344	9,084438	9,274099	9,3934303	9,255960333	-0,13747	0,909112034	Slc39a5	
17547624	3,342911	3,27669	3,116578	3,00666	3,2414	3,07572	3,245393	3,107926667	-0,13746633	0,909114344	Gm19984	
17310304	6,834262	7,000718	6,608243	6,613848	6,751545	6,665472	6,8144077	6,676955	-0,13745267	0,909122956	Rad1	
17382169	7,542232	7,488741	7,459257	7,194634	7,511513	7,371767	7,4967433	7,359304667	-0,13743867	0,909131779	Mastl	
17549390	4,897317	5,088731	4,907702	4,792528	4,753373	4,935573	4,9645833	4,827158	-0,13742533	0,909140181	---	
17549774	4,897317	5,088731	4,907702	4,792528	4,753373	4,935573	4,9645833	4,827158	-0,13742533	0,909140181	---	
17431992	4,743229	4,470198	4,706079	4,578093	4,43835	4,490822	4,6398353	4,502421667	-0,13741367	0,909147533	Padi6	
17449355	3,655981	3,395577	3,385394	3,323495	3,273214	3,428044	3,478984	3,341584333	-0,13739967	0,909156355	Ugt2b37	
17262338	11,99672	11,96614	11,82407	11,67461	11,79706	11,90308	11,928977	11,79158333	-0,13739333	0,909160346	---	
17374482	3,744872	3,824728	3,756408	3,750572	3,579669	3,583673	3,775336	3,637971333	-0,13736467	0,909178412	4930412B13Rik // 4930412B13Rik	
17372805	4,547636	3,929389	3,996239	4,047863	4,274284	3,739033	4,1577547	4,020393333	-0,13736133	0,909180512	Olfr1038-ps	
17320583	6,371639	7,019355	6,907717	6,565664	6,595439	6,725542	6,766237	6,628881667	-0,13735533	0,909184294	Cpne8	
17208151	4,162413	4,81443	4,147498	4,757881	4,085269	3,869163	4,3747803	4,237437667	-0,13734267	0,909192276	---	
17342386	6,902184	6,895175	6,951707	6,692088	6,982347	6,662675	6,9163553	6,779036667	-0,13731867	0,909207401	Metrn	
17420024	8,735714	8,863085	8,836357	8,564454	8,679315	8,779519	8,8117187	8,674429333	-0,13728933	0,909225888	E2f2	
17428904	6,234781	6,357569	6,187264	5,993873	6,172784	6,20123	6,2598713	6,122629	-0,13724233	0,909255509	Klf17	
17519692	3,566047	3,074612	3,261335	3,352975	3,175338	2,962	3,3006647	3,163437667	-0,137227	0,909265173	Omt2b	
17395969	3,922817	3,61322	2,875353	3,590564	3,057396	3,351752	3,4704633	3,333237333	-0,137226	0,909265803	---	
17550158	3,922817	3,61322	2,875353	3,590564	3,057396	3,351752	3,4704633	3,333237333	-0,137226	0,909265803	---	
17343164	10,62039	10,56982	9,619868	10,05217	10,18883	10,1575	10,270026	10,13283333	-0,13719267	0,909286812	Tff3	
17426340	5,400002	5,307625	5,47917	5,372087	5,203169	5,200003	5,395599	5,258419667	-0,13717933	0,909295215	1700018C11Rik	
17481200	3,091314	3,176039	3,188082	2,887108	3,21262	2,944214	3,1518117	3,014647333	-0,13716433	0,90930467	Usp17l5	
17397878	3,215087	3,174139	3,258419	3,025262	3,197347	3,013681	3,2158817	3,078763333	-0,13711833	0,909333663	Gm5538	
17439546	4,731925	5,041923	4,874975	4,765273	4,782258	4,689975	4,882941	4,745835333	-0,13710567	0,909341647	---	
17311519	6,111864	5,651657	5,654226	5,473325	5,753133	5,780025	5,8059157	5,668827667	-0,137088	0,909352782	Nov	
17262316	5,900469	5,814138	5,914295	5,919378	5,514135	5,784129	5,8763007	5,739214	-0,13708667	0,909353623	Ltc4s	
17247319	4,774695	4,968698	4,945065	4,72387	4,805478	4,747864	4,8961527	4,759070667	-0,137082	0,909356564	4930415F15Rik	
17427202	3,745211	3,798919	4,004593	3,857359	3,701056	3,579082	3,8495743	3,712499	-0,13707533	0,909360766	---	
17423333	3,554637	3,922135	4,163613	3,855333	3,649189	3,724661	3,8801283	3,743061	-0,13706733	0,909365809	---	
17267538	3,221031	3,30761	3,53675	3,037649	3,383552	3,233008	3,3551303	3,218069667	-0,13706067	0,909370011	Olfr463	
17449855	6,015257	5,924458	6,078567	5,965815	5,770628	5,87067	6,006094	5,869037667	-0,13705633	0,909372743	A430089I19Rik	
17449873	6,015257	5,924458	6,078567	5,965815	5,770628	5,87067	6,006094	5,869037667	-0,13705633	0,909372743	A430089I19Rik	
17296052	8,946099	8,929193	8,839293	8,582602	8,808553	8,912262	8,9048617	8,767805667	-0,137056	0,909372953	Kif2a	
17513228	3,135699	3,790272	3,822645	3,381325	3,386534	3,569942	3,582872	3,445933667	-0,13693833	0,909447124	Gm6793 // Gm6793	
17242910	8,1009	7,960788	8,122272	7,912386	7,98668	7,874101	8,06132	7,924389	-0,136931	0,909451747	Mbd3	
17548804	3,783225	3,535062	3,792897	3,623934	3,507694	3,568808	3,703728	3,566812	-0,136916	0,909461203	---	
17358014	10,08711	10,37666	9,958704	9,516867	9,98539	10,5098	10,140825	10,004019	-0,13680567	0,909530759	---	
17541563	3,762106	3,434897	3,434897	3,417895	3,306698	3,496911	3,5439667	3,407168	-0,13679867	0,909535172	Olfr1324	
17204581	5,561499	6,083297	6,060991	6,125977	5,809102	5,360316	5,901929	5,765131667	-0,13679733	0,909536012	---	
17273580	6,066708	5,999168	6,210453	5,994688	6,031657	5,8396	6,0921097	5,955315	-0,13679467	0,909537694	1700012B15Rik	
17403919	8,920516	9,037151	8,942666	8,644344	8,839825	9,005815	8,9667777	8,829994667	-0,136783	0,909545049	Depdc1a	
17205453	3,744872	3,45013	3,424988	3,052068	3,955553	3,202088	3,5399967	3,403236333	-0,13676033	0,909559339	---	
17242326	5,436649	5,223469	5,442866	5,197209	5,346845	5,148777	5,3676613	5,230943667	-0,13671767	0,909586239	Gm19668	
17397439	10,07181	10,20718	9,898694	9,87118	9,89467	10,00174	10,059228	9,92253	-0,136698	0,909598639	Naa15	
17534122	7,790027	8,000766	7,723128	7,62134	7,638454	7,84408	7,8379737	7,701291333	-0,13668233	0,909608516	Ube2a	
17498053	4,376893	4,591406	4,726627	4,331911	4,62185	4,331136	4,5649753	4,428299	-0,13667633	0,909612299	Gm9340	
17445507	8,420475	8,662492	8,59748	8,397931	8,42943	8,443136	8,560149	8,423499	-0,13665	0,909628902	Dbf4	
17314675	6,366714	6,580274	6,801682	6,243097	6,446143	6,649485	6,58289	6,446241667	-0,13664833	0,909629953	---	
17429655	4,979945	5,247734	5,193726	4,780104	4,922689	5,308685	5,1404683	5,003826	-0,13664233	0,909633736	Oxct2b	
17274875	9,577492	9,943941	9,434272	9,367518	9,614551	9,563862	9,6519017	9,515310333	-0,13659133	0,909665893	Nampt	
17471578	2,892968	2,864885	2,953663	2,686635	2,762148	2,853017	2,9038387	2,767266667	-0,136572	0,909678083	Klrc3	
17348850	7,169094	7,157272	6,828969	6,844363	6,843238	7,058047	7,0517783	6,915216	-0,13656233	0,909684178	Rnf138	
17548305	9,566036	9,772026	9,790211	9,587089	9,517939	9,613578	9,7094243	9,572868667	-0,13655567	0,909688382	Tmem234	
17397875	4,981391	5,204177	5,13613	4,983236	5,070938	4,858041	5,1072327	4,970738333	-0,13649433	0,909727057	Gpr171 // Gpr171	
17423228	8,622473	8,684815	8,635395	8,505613	8,480286	8,547312	8,647561	8,511070333	-0,13649067	0,909729369	Ints8	
17482547	4,901225	4,619884	5,21025	4,872686	4,780744	4,668519	4,910453	4,773983	-0,13647	0,909742401	Gm5737	
17381930	3,170185	3,287704	3,184264	3,156618	3,136644	2,939625	3,214051	3,077629	-0,136422	0,909772669	4930515L03Rik	
17462608	4,465801	5,131958	4,062818	5,081098	3,905742	4,264572	4,5535257	4,417137333	-0,13638833	0,9097939	Mug-ps1	
17503333	8,623629	8,923933	8,77262	8,659451	8,630285	8,621283	8,773394	8,637006333	-0,13638767	0,90979432	Tnpo2	
17432790	6,721377	6,993108	6,848515	6,749631	6,708594	6,69563	6,8543333	6,717951667	-0,13638167	0,909798104	Miip	
17516133	3,501296	3,414444	3,477392	3,414444	3,31566	3,253976	3,4643773	3,328026667	-0,13635067	0,909817654	Olfr885	
17439940	3,102818	3,069698	3,165188	2,970169	3,05992	2,898609	3,112568	2,976232667	-0,13633533	0,909827323	---	
17495932	6,872515	6,740816	6,626852	6,699167	6,564561	6,567462	6,7467277	6,610396667	-0,136331	0,909830056	Palb2	
17545627	3,152925	3,238169	3,006545	2,965216	2,887856	3,135596	3,1325463	2,996222667	-0,13632367	0,909834681	---	
17382089	4,313589	4,179044	4,55141	4,288187	4,148768	4,198124	4,3480143	4,211693	-0,13632133	0,909836153	---	
17286914	3,777279	3,734743	4,29459	3,742501	3,755298	3,899863	3,9355373	3,799220667	-0,13631667	0,909839096	---	
17492493	3,54705	3,734285	3,725938	3,592818	3,433496	3,572136	3,669091	3,532816667	-0,13627433	0,909865794	Mir1965 // Mir1965	
17326940	5,122699	4,927976	4,886585	4,814272	4,944264	4,769941	4,9790867	4,842825667	-0,136261	0,909874203	---	
17391018	10,40578	10,58665	10,54313	10,3417	10,37799	10,4071	10,511853	10,37559667	-0,13625667	0,909876935	Cops2	
17512193	4,328426	4,122181	4,219752	4,126728	4,18007	3,954837	4,223453	4,087211667	-0,13624133	0,909886606	Cmtm2a	
17209143	3,681034	4,963331	3,626319	3,383144	4,852507	3,626319	4,090228	3,95399	-0,136238	0,909888708	---	
17434995	3,875243	3,484935	3,827589	3,655854	3,411504	3,711705	3,7292557	3,593021	-0,13623467	0,909890811	Gnat3	
17207469	4,491183	4,635309	4,584003	4,698355	4,366218	4,237265	4,570165	4,433946	-0,136219	0,909900691	---	
17548352	11,32306	11,33327	11,24586	11,1867	11,1694	11,13746	11,30073	11,16452	-0,13621	0,909906368	---	
17433525	4,805995	4,728737	4,901817	4,770451	4,65615	4,601337	4,812183	4,675979333	-0,13620367	0,909910362	---	
17358658	4,530063	4,901534	4,228847	4,355528	4,303134	4,593223	4,5534813	4,417295	-0,13618633	0,909921294	---	
17477399	3,527167	4,021649	3,469955	3,591145	3,623512	3,395645	3,6729237	3,536767333	-0,13615633	0,909940216	---	
17465603	3,018262	3,023387	3,188424	2,989716	2,900901	2,931108	3,076691	2,940575	-0,136116	0,909965655	Mir29b-1	
17209075	4,899795	5,317205	5,108201	5,147715	5,050555	4,718637	5,1084003	4,972302333	-0,136098	0,909977009	---	
17289085	8,789441	8,971917	8,771061	8,798783	8,555374	8,769972	8,8441397	8,708043	-0,13609667	0,90997785	Dhfr	
17427185	4,540586	4,672834	4,930506	4,438341	4,662311	4,6353	4,714642	4,578650667	-0,13599133	0,910044291	4930577H14Rik	
17259871	3,390998	3,592311	3,645046	3,367382	3,374889	3,478266	3,542785	3,406845667	-0,13593933	0,910077093	---	
17467573	3,428421	3,426671	3,405948	3,104322	3,294137	3,45482	3,4203467	3,284426333	-0,13592033	0,910089078	---	
17452887	3,167036	3,034507	3,213483	2,963471	3,039207	3,004676	3,138342	3,002451333	-0,13589067	0,910107793	---	
17377425	3,716011	3,789598	4,026925	3,747731	3,690248	3,686885	3,844178	3,708288	-0,13589	0,910108214	Cst10	
17200387	5,016851	4,501745	4,445661	4,657721	4,49473	4,404243	4,6547523	4,518898	-0,13585433	0,910130714	---	
17282290	4,655628	4,697813	4,564936	4,429003	4,698442	4,383407	4,639459	4,503617333	-0,13584167	0,910138705	---	
17243493	4,885673	4,93144	4,656573	4,762252	4,516845	4,787122	4,824562	4,688739667	-0,13582233	0,910150901	Glt8d2	
17202037	4,702593	4,66298	4,852872	4,559525	4,417347	4,834121	4,7394817	4,603664333	-0,13581733	0,910154056	---	
17363220	7,39555	7,565247	7,521286	7,194348	7,446613	7,433736	7,4940277	7,358232333	-0,13579533	0,910167935	Cep78	
17422117	7,026312	6,695796	6,736016	6,646079	6,664707	6,740016	6,8193747	6,683600667	-0,135774	0,910181394	Acot7	
17250468	5,980836	6,598267	5,974602	6,211536	5,771633	6,163236	6,1845683	6,048801667	-0,13576667	0,910186021	---	
17425603	4,920614	4,385981	4,509027	4,423041	4,629922	4,355415	4,6052073	4,469459333	-0,135748	0,910197797	Gm12538	
17231680	6,633381	6,690899	6,574763	6,424999	6,521017	6,545788	6,6330143	6,497268	-0,13574633	0,910198849	---	
17471970	3,111845	3,302033	3,393883	3,134533	3,28966	2,976356	3,2692537	3,133516333	-0,13573733	0,910204527	Tas2r140	
17209605	6,019991	6,217813	6,6321	6,090895	6,019991	6,351823	6,289968	6,154236333	-0,13573167	0,910208102	---	
17208341	7,538787	7,237802	7,175727	7,201645	7,250751	7,092734	7,3174387	7,18171	-0,13572867	0,910209995	---	
17289415	5,220115	5,4093	5,24859	5,101972	5,278448	5,090455	5,2926683	5,156958333	-0,13571	0,910221772	---	
17268332	4,247329	3,91795	4,198945	4,136052	3,881231	3,939813	4,121408	3,985698667	-0,13570933	0,910222192	2010300F17Rik	
17486519	3,428907	3,146069	2,994622	2,895848	3,090271	3,176355	3,189866	3,054158	-0,135708	0,910223034	Vmn1r81	
17349514	7,041858	7,1958	6,834262	6,557308	7,090001	7,017608	7,0239733	6,888305667	-0,13566767	0,910248481	Egr1	
17209581	6,195055	5,537078	6,193101	5,854266	5,531928	6,132061	5,975078	5,839418333	-0,13565967	0,910253529	---	
17432197	4,318606	4,299574	4,327048	4,179282	4,167624	4,191495	4,315076	4,179467	-0,135609	0,910285497	Gm694	
17212316	4,232403	4,359739	4,063478	4,093795	4,005514	4,149489	4,21854	4,082932667	-0,13560733	0,910286548	2900092D14Rik	
17445238	4,948943	4,810295	5,16727	4,666748	4,88064	4,972367	4,9755027	4,839918333	-0,13558433	0,910301061	Kl	
17232129	4,358529	4,178762	4,400108	4,063452	4,282411	4,184793	4,3124663	4,176885333	-0,135581	0,910303164	---	
17227791	4,211873	4,032796	4,122165	3,836733	4,126203	3,997192	4,122278	3,986709333	-0,13556867	0,910310946	Rgs21	
17209859	5,611753	5,697608	6,18055	5,695029	5,234344	6,15391	5,8299703	5,694427667	-0,13554267	0,910327351	---	

17317555	6,046545	5,815399	5,861928	5,897994	5,798265	5,621019	5,9079573	5,772426	-0,13553133	0,910334503	Oc90	
17370520	3,296439	3,240051	3,348549	3,340925	3,131805	3,005742	3,295013	3,159490667	-0,13552233	0,910340182	---	
17237180	10,40883	10,38347	10,21596	10,21084	10,2269	10,16431	10,336087	10,20068333	-0,13540333	0,910415274	---	
17310652	8,251554	8,284528	8,338928	8,210833	8,168171	8,089804	8,29167	8,156269333	-0,13540067	0,910416957	Zfp622	
17389449	4,572718	4,807846	4,495262	4,433037	4,640421	4,396227	4,6252753	4,489895	-0,13538033	0,910429788	Fmn1	
17336086	6,861598	6,664788	6,75377	6,810791	6,385691	6,677557	6,760052	6,624679667	-0,13537233	0,910434837	Adamts10	
17464573	10,02905	10,00825	9,797721	9,834743	9,622766	9,971415	9,945007	9,809641333	-0,13536567	0,910439044	Tfpi2	
17206993	3,027354	3,48328	3,292803	3,18996	2,971009	3,236442	3,2678123	3,132470333	-0,135342	0,910453979	---	
17550522	3,819079	4,136392	3,982824	3,804995	3,861254	3,866047	3,9794317	3,844098667	-0,135333	0,910459659	---	
17463795	3,412851	3,27799	3,275258	3,100705	3,233451	3,225946	3,322033	3,186700667	-0,13533233	0,91046008	---	
17302352	3,164176	3,093122	3,172022	3,007519	3,155727	2,860139	3,1431067	3,007795	-0,13531167	0,910473122	---	
17370499	5,581179	5,723756	5,905952	5,628841	5,721308	5,454857	5,7369623	5,601668667	-0,13529367	0,910484482	Wdr38	
17366904	6,612864	5,953881	6,155672	6,039392	5,602075	6,675079	6,2408057	6,105515333	-0,13529033	0,910486585	---	
17229533	5,28088	5,893926	5,651595	5,54353	5,46124	5,415761	5,6088003	5,473510333	-0,13529	0,910486796	Gm7694	
17520971	5,267649	4,889922	5,406441	5,157292	5,068088	4,932778	5,188004	5,052719333	-0,13528467	0,910490162	---	
17541917	10,79261	11,04596	11,01551	10,90067	10,89727	10,65035	10,95136	10,81609667	-0,13526333	0,910503625	Snord61	
17531939	7,712784	7,431982	7,175539	7,414041	7,20311	7,297372	7,4401017	7,304841	-0,13526067	0,910505308	Gpd1l	
17383232	5,317005	5,387843	5,493616	5,248482	5,233443	5,31078	5,399488	5,264235	-0,135253	0,910510147	Tmem8c	
17500517	4,731793	4,704266	4,689128	4,612145	4,633347	4,473967	4,7083957	4,573153	-0,13524267	0,910516668	Mboat4	
17453133	4,861753	6,035233	3,585267	4,646607	4,192953	5,237144	4,8274177	4,692234667	-0,135183	0,910554326	---	
17549506	6,967931	7,293006	6,829939	6,719258	6,868831	7,097239	7,030292	6,895109333	-0,13518267	0,910554537	---	
17549658	6,967931	7,293006	6,829939	6,719258	6,868831	7,097239	7,030292	6,895109333	-0,13518267	0,910554537	---	
17524925	6,855168	7,279307	7,258416	6,833572	7,262098	6,891686	7,1309637	6,995785333	-0,13517833	0,910557272	Elof1	
17206861	5,620424	6,564061	5,978175	5,819284	6,378851	5,559083	6,05422	5,919072667	-0,13514733	0,910576837	---	
17238679	4,364254	4,619744	4,563995	4,534071	4,630395	3,978088	4,5159977	4,380851333	-0,13514633	0,910577469	Olfr794	
17499959	4,471437	4,473683	4,559122	4,352762	4,431672	4,31438	4,501414	4,366271333	-0,13514267	0,910579783	---	
17313456	5,402593	4,809987	5,053078	4,910759	4,968336	4,981182	5,0885527	4,953425667	-0,135127	0,910589671	4930407I10Rik	
17355026	9,606974	9,88942	9,399968	9,53161	9,407668	9,55176	9,6321207	9,497012667	-0,135108	0,910601663	Atp8b1	
17414428	8,021727	7,928698	7,846899	7,837912	7,757105	7,797073	7,9324413	7,797363333	-0,135078	0,910620599	Gng10	
17320071	3,219316	3,06005	3,222763	3,124205	3,003616	2,969086	3,1673763	3,032302333	-0,135074	0,910623124	---	
17315878	8,544938	8,593333	8,443123	8,299087	8,428176	8,44892	8,5271313	8,392061	-0,13507033	0,910625438	Skp2	
17464010	8,392653	8,502621	8,28525	8,299069	8,3304	8,145897	8,393508	8,258455333	-0,13505267	0,91063659	Aebp2	
17530496	5,94924	5,725886	5,748958	5,716702	5,601407	5,700978	5,808028	5,673029	-0,134999	0,910670465	Gm19687	
17315346	4,474026	4,354832	4,393492	4,344897	4,164169	4,308421	4,40745	4,272495667	-0,13495433	0,91069866	Gm9918	
17222429	7,18357	7,362032	7,013922	6,880327	7,150297	7,124041	7,186508	7,051555	-0,134953	0,910699502	Txndc9	
17410311	4,274434	3,919537	4,115407	3,978623	3,916679	4,00923	4,103126	3,968177333	-0,13494867	0,910702237	Rrh	
17545199	5,784218	6,096028	6,071013	5,961707	5,742296	5,842425	5,983753	5,848809333	-0,13494367	0,910705393	Lrch2	
17344309	6,41403	6,387299	6,125497	6,11141	6,10805	6,302622	6,308942	6,174027333	-0,13491467	0,9107237	Tnf	
17512275	8,286527	8,551475	8,184972	8,137937	8,239883	8,240451	8,3409913	8,206090333	-0,134901	0,910732327	Nae1	
17230031	3,977011	3,734457	3,740595	3,734457	3,527807	3,785117	3,8173543	3,682460333	-0,134894	0,910736746	Gm20134	
17244699	3,402709	3,185098	3,097188	3,138449	3,203673	2,9382	3,2283317	3,093440667	-0,134891	0,91073864	Rps15a-ps1	
17510365	6,551263	6,019166	6,187872	5,836051	6,308868	6,208787	6,252767	6,117902	-0,134865	0,910755053	Pgls	
17513581	5,747112	5,548099	6,048291	5,709276	5,699818	5,529843	5,7811673	5,646312333	-0,134855	0,910761366	1700018B08Rik	
17238646	4,143219	3,665332	3,63758	3,775528	3,92578	3,340266	3,815377	3,680524667	-0,13485233	0,91076305	Olfr774	
17390980	6,326846	6,181982	6,195883	6,080258	6,146275	6,073678	6,2349037	6,100070333	-0,13483333	0,910775044	Shc4	
17532063	7,590874	7,170591	7,13939	7,101556	7,137772	7,25703	7,300285	7,165452667	-0,13483233	0,910775676	Acaa1b	
17454915	5,385243	5,811211	5,465914	5,139659	5,647499	5,470763	5,5541227	5,419307	-0,13481567	0,910786197	---	
17340745	3,3974	3,449031	3,288981	3,270892	3,242208	3,217889	3,3784707	3,243663	-0,13480767	0,910791248	---	
17226829	6,186337	6,157982	6,216409	5,88342	6,094521	6,178428	6,1869093	6,052123	-0,13478633	0,910804716	Mfsd4	
17430722	5,197804	5,390521	5,424782	5,060737	5,161287	5,386772	5,3377023	5,202932	-0,13477033	0,910814817	---	
17419027	9,789037	9,758478	9,737901	9,508828	9,756314	9,615976	9,7618053	9,627039333	-0,134766	0,910817553	---	
17510368	5,471287	5,317086	5,631916	5,365469	5,268734	5,381797	5,4734297	5,338666667	-0,134763	0,910819447	Unc13a	
17541335	3,637271	3,587852	3,697895	3,494751	3,422422	3,601557	3,641006	3,506243333	-0,13476267	0,910819657	4930515L19Rik	
17439532	4,940643	5,393133	5,818736	5,15569	5,151934	5,440684	5,3841707	5,249436	-0,13473467	0,910837335	---	
17316268	2,997583	3,100456	3,270792	2,886879	3,104549	2,973211	3,1229437	2,988213	-0,13473067	0,91083986	Mir3964 // Mir3964	
17466476	4,546523	4,769675	4,537863	4,762712	4,199872	4,487305	4,6180203	4,483296333	-0,134724	0,910844069	Nobox	
17493723	6,377007	6,564159	6,39721	6,233051	6,634321	6,066839	6,4461253	6,311403667	-0,13472167	0,910845542	Spcs2	
17431362	8,409887	8,613695	8,499388	8,362646	8,336996	8,419281	8,5076567	8,372974333	-0,13468233	0,910870376	Tmem57	
17379716	4,734663	4,842634	4,663064	4,763838	4,423441	4,64904	4,746787	4,612106333	-0,13468067	0,910871428	---	
17323067	9,104711	9,052728	9,00213	8,951392	8,876738	8,927412	9,0531897	8,918514	-0,13467567	0,910874585	---	
17268955	5,502568	5,005829	5,24912	4,94107	5,01958	5,392872	5,2525057	5,117840667	-0,134665	0,91088132	Tns4	
17297810	5,213741	5,029526	5,127853	4,988422	4,936917	5,041865	5,1237067	4,989068	-0,13463867	0,910897946	Cphx	
17297842	5,213741	5,029526	5,127853	4,988422	4,936917	5,041865	5,1237067	4,989068	-0,13463867	0,910897946	Cphx	
17466228	8,33278	8,31516	8,304578	8,055375	8,292728	8,200523	8,317506	8,182875333	-0,13463067	0,910902997	Clec5a	
17509433	2,915787	3,134845	3,035839	2,987846	3,006927	2,687923	3,0288237	2,894232	-0,13459167	0,910927622	---	
17511500	5,124277	5,303351	5,124538	4,982014	5,213298	4,953084	5,1840553	5,049465333	-0,13459	0,910928674	Gm2716 // Gm2716	
17275298	3,859308	3,838263	3,490492	3,682907	3,627005	3,47439	3,7293543	3,594767333	-0,134587	0,910930568	---	
17202405	6,290696	5,692223	6,284983	6,417089	6,010635	5,436423	6,0893007	5,954715667	-0,134585	0,910931831	---	
17411566	3,135524	2,888827	3,164107	3,038798	2,900901	2,845129	3,0628193	2,928276	-0,13454333	0,91095814	---	
17347061	5,895787	5,829537	6,401526	5,741422	5,78418	6,197655	6,0422833	5,907752333	-0,134531	0,910965928	---	
17391915	4,606554	4,479419	5,022373	4,627834	4,484822	4,592156	4,702782	4,568270667	-0,13451133	0,910978346	Erv3	
17249234	4,888714	4,802552	4,914486	4,834145	4,572524	4,795553	4,868584	4,734074	-0,13451	0,910979188	Grm6	
17301247	7,991416	7,962957	7,934035	7,799812	7,786923	7,898183	7,9628027	7,828306	-0,13449667	0,910987607	Pinx1	
17495020	5,193937	5,400945	5,228458	5,309074	4,926201	5,184606	5,2744467	5,139960333	-0,13448633	0,910994132	1600010M07Rik	
17396978	9,296341	9,329144	9,170199	9,194963	9,045541	9,151726	9,265228	9,130743333	-0,13448467	0,910995185	Exosc9	
17331264	3,355404	3,089993	2,940012	2,910188	3,148104	2,923732	3,1284697	2,994008	-0,13446167	0,911009708	Olfr199	
17454787	5,531877	5,669324	5,435662	5,611955	5,274456	5,347091	5,545621	5,411167333	-0,13445367	0,91101476	---	
17514666	7,755525	7,781231	7,713139	7,716535	7,55998	7,570091	7,749965	7,615535333	-0,13442967	0,911029915	Ccdc82	
17273910	7,22789	7,057234	7,174258	6,903762	7,153471	6,998903	7,1531273	7,018712	-0,13441533	0,911038966	Hs1bp3	
17221250	7,999653	9,066596	7,474559	7,991645	6,629674	9,516399	8,1802693	8,045906	-0,13436333	0,911071804	---	
17207689	7,941936	8,04363	7,884851	7,964356	7,740456	7,762628	7,9568057	7,82248	-0,13432567	0,911095591	---	
17259924	6,178026	6,372172	6,249012	6,00832	6,352938	6,034985	6,2664033	6,132081	-0,13432233	0,911097696	4930556J24Rik	
17372927	4,146265	4,021251	3,745326	3,918495	3,781266	3,810148	3,9709473	3,836636333	-0,134311	0,911104854	Olfr1204	
17229988	6,014071	6,293896	5,982217	6,08396	5,898375	5,904922	6,096728	5,962419	-0,134309	0,911106117	Cadm3	
17376560	7,342938	7,306965	6,980857	7,024419	7,206406	6,997015	7,2102533	7,075946667	-0,13430667	0,91110759	---	
17466659	9,628821	9,685048	9,395095	9,408582	9,423346	9,474148	9,5696547	9,435358667	-0,134296	0,911114327	Tra2a	
17296881	6,708217	5,923645	5,96758	6,373824	6,088786	5,733954	6,199814	6,065521333	-0,13429267	0,911116432	Gm9602	
17307472	10,19807	10,3678	10,24527	10,11816	10,08569	10,20468	10,27038	10,13617667	-0,13420333	0,911172851	Kpna3	
17491596	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491598	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491602	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491604	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491608	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491610	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491612	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491614	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491616	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491618	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491620	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491622	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116	
17491624	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491628	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17491630	7,866602	7,500398	7,133722	7,789011	6,881822	7,42732	7,5002407	7,366051	-0,13418967	0,911181483	Snord116 // Snord116	
17333386	4,106349	4,470156	5,2014	4,439233	4,210738	4,725449	4,592635	4,458473333	-0,13416167	0,911199167	Tcp10c	
17236196	6,2706	6,44626	6,216124	6,245011	6,017425	6,268092	6,3109947	6,176842667	-0,134152	0,911205272	1810014B01Rik	
17374121	8,010326	7,955774	8,015656	7,781321	7,748124	8,04991	7,9939187	7,859785	-0,13413367	0,911216852	Ccdc34	
17233799	8,486435	8,589564	8,450026	8,427118	8,307322	8,389244	8,508675	8,374561333	-0,13411367	0,911229484	Slc25a16	
17206559	4,884824	5,529953	4,062483	5,022655	4,866499	4,185865	4,8257533	4,691673	-0,13408033	0,91125053	---	
17205655	6,227658	6,684812	5,279607	6,463889	5,620966	5,704996	6,0640257	5,92995033	-0,13407533	0,911253696	---	
17468798	9,492129	9,659431	9,54924	9,461874	9,381371	9,455347	9,5669333	9,432864	-0,13406933	0,911257486	Mcm2	
17396765	4,412724	4,27368	4,439312	4,188573	4,354849	4,180129	4,3752387	4,241183667	-0,134055	0,91126654	Usp13	
17203801	6,77335	6,481336	6,528886	7,024183	6,099414	6,257943	6,594524	6,460513333	-0,13401067	0,911294543	---	
17516174	3,204569	3,125373	3,144413	3,023269	3,149836	2,899274	3,1581183	3,024126333	-0,133992	0,911306334	Olfr906	
17293489	6,737433	6,816672	7,050626	6,770481	6,993663	6,438616	6,8682437	6,734253333	-0,13399033	0,911307387	Gm3609	
17425990	5,80535	5,477771	5,287922	5,525966	5,201503	5,441693	5,523681	5,389720667	-0,13396033	0,911326337	Mup7	
17520032	4,030534	3,523893	3,645148	3,450036	3,859496	3,488197	3,7331917	3,599243	-0,13394867	0,911333707	---	
17478521	7,142691	7,113007	7,121382	6,991971	6,988214	6,99508	7,1256933	6,991755	-0,13393833	0,911340234	Tubgcp5	
17205343	4,582829	3,932414	4,90661	3,867016	4,39548	4,75757	4,473951	4,340022	-0,133929	0,91134613	---	
17439766	7,530189	7,540611	7,41854	7,089673	7,484189	7,513755	7,4964467	7,362539	-0,13390767	0,911359606	LOC100861848	
17326702	4,16875	4,412935	4,242367	3,783221	4,445619	4,193515	4,274684	4,140785	-0,133899	0,911365081	Mirlet7c-1	
17449548	8,310712	8,23532	8,124234	8,429847	7,057325	8,781431	8,223422	8,089534333	-0,13388767	0,911372241	---	
17427799	6,989344	7,132512	6,934978	6,588942	7,056184	7,010127	7,0189447	6,885084333	-0,13386033	0,911389508	Dhcr24 // Dhcr24	
17210535	4,827383	4,904329	4,544389	4,298542	4,209148	5,366889	4,7587003	4,624859667	-0,13384067	0,911401932	---	
17490521	7,062104	6,675287	6,941705	6,599667	6,905819	6,772115	6,893032	6,759200333	-0,13383167	0,911407617	Bcl2l12	
17314222	5,719511	5,824099	5,975288	5,684095	5,610263	5,823156	5,8396327	5,705838	-0,13379467	0,911430992	Acr	
17221551	7,942467	6,531128	7,365104	7,335646	7,220795	6,880883	7,2795663	7,145774667	-0,13379167	0,911432887	---	
17210777	6,954933	6,343476	6,411328	6,138272	6,336556	6,833551	6,5699123	6,436126333	-0,133786	0,911436467	---	
17504376	3,371482	3,214151	3,382338	3,18497	3,229349	3,152388	3,322657	3,188902333	-0,13375467	0,911456263	Gm15679	
17307493	7,917385	7,721355	7,821783	7,700996	7,614044	7,74425	7,8201743	7,68643	-0,13374433	0,911462791	6330409N04Rik	
17203729	5,148144	5,659725	5,419372	4,993613	5,173638	5,658919	5,4090803	5,27539	-0,13369033	0,911496908	---	
17206859	6,577495	6,727562	6,671406	6,81029	6,343688	6,421468	6,658821	6,525148667	-0,13367233	0,91150828	---	
17246262	4,525647	3,953666	3,963886	3,954494	3,974544	4,113198	4,147733	4,014078667	-0,13365433	0,911519653	Rps26	
17414342	5,263534	5,236762	5,295161	5,09031	5,206714	5,097512	5,2651523	5,131512	-0,13364033	0,911528498	Gm12530	
17272487	4,635186	4,499484	4,996629	4,486701	4,706304	4,537433	4,710433	4,576812667	-0,13362033	0,911541135	St6galnac1	

17273984	6,652027	7,108753	6,677089	6,814149	6,67332	6,549563	6,812623	6,679010667	-0,13361233	0,911546189	Wdr35
17517323	8,962305	8,990026	8,938689	8,839234	8,74926	8,901699	8,9636733	8,830064333	-0,133609	0,911548295	Npat
17307666	5,239408	5,123492	5,044726	4,846819	5,171837	4,988306	5,1358753	5,002320667	-0,13355467	0,911582626	4930578I06Rik
17202965	5,238691	5,090205	5,746202	4,951121	5,521221	5,202092	5,358366	5,224811333	-0,13355467	0,911582626	---
17367436	10,43684	10,70839	10,38208	10,3538	10,29862	10,47423	10,509103	10,37555	-0,13355333	0,911583468	Gm13363 // Gm13363 // Gm13363 // Gı
17548176	5,26212	5,769916	5,401962	5,233802	5,379926	5,419669	5,4779993	5,344465667	-0,13353367	0,911595895	Acss1 // Acss1
17266607	3,266115	3,043959	3,015198	3,00003	2,944758	2,979894	3,108424	2,974894	-0,13353	0,911598212	---
17291108	3,780971	3,392988	3,386581	3,392988	3,346797	3,420208	3,52018	3,386664333	-0,13351567	0,911607269	---
17309293	7,660217	7,635726	7,578954	7,453001	7,579452	7,441931	7,6249657	7,491461333	-0,13350433	0,91161443	Rnf219
17405845	4,037645	3,810424	3,836154	3,742376	3,802384	3,739087	3,894741	3,761282333	-0,13345867	0,911643287	Sis
17368401	5,035792	4,90428	5,143199	4,943692	4,630338	5,108882	5,027757	4,894304	-0,133453	0,911646867	Gm711
17477595	7,627686	7,180246	7,332483	7,30678	7,27503	7,15834	7,3801383	7,246716667	-0,13342167	0,911666667	Mir707
17303717	5,940624	6,036457	6,379975	5,969367	5,917073	6,070377	6,1190187	5,985605667	-0,133413	0,911672144	1810063B07Rik
17536052	4,289979	4,45716	3,74321	4,519054	4,111411	3,459647	4,1634497	4,030037333	-0,13341233	0,911672565	Obp1b
17297497	6,809697	7,070527	6,844328	6,772867	6,803144	6,748326	6,908184	6,774779	-0,133405	0,911677199	Chchd1
17489726	4,145356	4,237143	4,451503	4,090143	4,256493	4,0873	4,2780007	4,144645333	-0,13335533	0,911708586	Wdr88
17521204	6,312028	6,37988	6,305305	6,204558	6,156309	6,236362	6,3324043	6,199076333	-0,133328	0,911725859	Rpl29
17429414	6,438144	6,30768	6,777146	6,348844	6,544759	6,229466	6,5076567	6,374356333	-0,13330033	0,911743343	Ppcs
17272866	5,994413	5,526133	5,62066	5,717405	5,566126	5,457813	5,7137353	5,580448	-0,13328733	0,911751559	---
17462133	4,751339	4,735114	4,929074	4,599081	4,729706	4,68689	4,8051757	4,671892333	-0,13328333	0,911754087	Olfr212
17373776	10,66671	10,93829	11,01509	10,57796	10,85697	10,78534	10,873363	10,74009	-0,13327333	0,911760407	---
17445682	5,5647	5,661699	5,657805	5,543312	5,382881	5,558222	5,628068	5,494805	-0,133263	0,911766937	4930572O03Rik
17547779	8,966903	9,363004	9,172558	9,123112	8,780402	9,199244	9,1674883	9,034252667	-0,13323567	0,911784212	Rps24 // Rps24 // Rps24 // Rps24 // Rp
17385961	3,932941	3,850948	4,065428	3,918065	3,761076	3,770559	3,9497723	3,816566667	-0,13320567	0,911803172	---
17267773	8,151709	6,992932	7,993066	7,816056	7,559606	7,362469	7,712569	7,579377	-0,133192	0,91181181	---
17532811	5,164009	5,026613	5,44584	4,836987	5,328889	5,071021	5,212154	5,078965667	-0,13318833	0,911814127	Foxp3
17284981	3,470849	3,437779	3,436004	3,276291	3,32329	3,345507	3,4482107	3,315029333	-0,13318133	0,911818551	Akr1c21
17326081	9,669126	9,738724	9,622193	9,533855	9,430178	9,666537	9,676681	9,543523333	-0,13315767	0,911833509	C330027C09Rik
17247317	3,41799	3,35306	3,277601	3,230116	3,245622	3,173485	3,3495503	3,216407667	-0,13314267	0,91184299	---
17259693	4,166609	3,922845	3,904651	3,836625	3,901045	3,857026	3,998035	3,864898667	-0,13313633	0,911846993	Ptchd3
17527818	6,128129	5,514149	5,792906	5,942348	5,42064	5,672859	5,811728	5,678615667	-0,13311233	0,911862162	Senp8
17378670	6,566104	6,767176	6,902038	6,488636	6,721408	6,62595	6,745106	6,611998	-0,133108	0,911864901	Tgif2
17398321	5,910068	5,936882	5,329843	5,781747	5,20681	5,789023	5,7255977	5,592526667	-0,133071	0,911888287	---
17328070	4,432935	4,573096	4,660846	4,405662	4,580828	4,281179	4,5556257	4,422556333	-0,13306933	0,911889341	Tekt5
17402181	5,714198	5,739195	5,667599	5,798216	5,425507	5,498075	5,7069973	5,573932667	-0,13306467	0,91189229	F3
17382802	8,944401	9,310928	9,350843	9,057745	9,020313	9,128927	9,2020573	9,068995	-0,13306233	0,911893765	Ubac1
17515062	7,706008	7,739521	7,850122	7,494121	7,785723	7,61662	7,765217	7,632154667	-0,13306233	0,911893765	Mrpl4
17205549	5,387927	5,297824	5,227113	6,205372	4,270522	5,037788	5,304288	5,171227333	-0,13306067	0,911894819	---
17234812	5,32881	4,872993	5,234261	5,222196	4,936244	4,878443	5,1453547	5,012294333	-0,13306033	0,911895029	---
17240233	3,012941	3,034571	2,944695	2,935962	2,848838	2,808278	2,9974023	2,864359333	-0,133043	0,911905985	---
17501672	6,837051	6,987944	7,010716	6,698376	6,71106	7,027165	6,945237	6,812200333	-0,13303667	0,911909989	Zfp930
17203193	5,137904	5,266196	4,414266	4,869172	5,486264	4,06382	4,9394553	4,806418667	-0,13303667	0,911909989	---
17256436	6,019965	6,064904	6,022784	5,575029	5,950082	6,183485	6,0358843	5,902865333	-0,133019	0,911921156	Hspb9
17227480	5,496024	5,341319	5,732224	5,250196	5,390441	5,529919	5,523189	5,390185333	-0,13300367	0,911930848	Gpr25
17339889	7,702116	7,691959	7,408835	7,345592	7,455417	7,602892	7,60097	7,467967	-0,133003	0,911931269	Fam82a1
17523058	7,714168	7,85568	7,750283	7,733655	7,590365	7,597168	7,773377	7,640396	-0,132981	0,911945176	Xylb
17479927	3,696753	4,005663	3,456057	3,685268	3,438088	3,636199	3,719491	3,586518333	-0,13297267	0,911950443	Olfr290
17268834	6,854546	7,339342	6,768224	6,904191	6,765994	6,893086	6,9873707	6,854423667	-0,132947	0,911966668	Ormdl3
17344436	6,979645	7,020077	7,312227	6,94847	7,031746	6,933025	7,103983	6,971080333	-0,13290267	0,911994692	---
17550342	3,960967	4,309914	3,928644	3,75197	4,10309	3,945789	4,0665083	3,933616333	-0,132892	0,912001435	---
17354784	7,107382	7,260717	7,228684	7,195882	7,042476	6,959758	7,1989277	7,066038667	-0,132889	0,912003332	E330013P06
17376723	5,421302	5,294625	5,141815	5,362096	5,094215	5,002871	5,285914	5,153060667	-0,13285333	0,912025879	---
17385058	5,045896	4,980079	4,862581	4,797936	4,839542	4,852615	4,962852	4,830031	-0,132821	0,912046319	1700057H21Rik
17448738	3,31292	2,970321	3,153102	2,99624	3,293048	2,748616	3,1454477	3,012634667	-0,132813	0,912051377	---
17535108	3,273631	3,380176	3,550518	3,592363	3,201135	3,012422	3,4014417	3,26864	-0,13280167	0,912058541	---
17425280	5,025172	4,687266	4,553826	4,432339	4,789259	4,646295	4,7554213	4,622631	-0,13279033	0,912065706	C630028M04Rik
17312054	7,042016	6,741427	6,551768	6,357216	6,74808	6,831553	6,7784037	6,645616333	-0,13278733	0,912067603	Khdrbs3
17544535	5,971971	6,271501	5,748233	5,743083	5,931819	5,918518	5,997235	5,864473333	-0,13276167	0,912083829	Armcx6
17430915	7,376851	7,219387	7,359415	7,220849	7,358769	6,977878	7,318551	7,185832	-0,132719	0,912110804	Ppp1r8
17291402	4,081383	3,783793	4,116677	3,894767	3,722325	3,966655	3,993951	3,861249	-0,132702	0,912121552	1700092E19Rik
17486956	7,184855	6,844925	7,288683	6,718039	7,029802	7,172579	7,1061543	6,973473333	-0,132681	0,912134829	Slc1a5 // Slc1a5
17549370	4,628304	4,215187	4,685897	4,500116	4,2076	4,423636	4,509796	4,377117333	-0,13267867	0,912136304	---
17549748	4,628304	4,215187	4,685897	4,500116	4,2076	4,423636	4,509796	4,377117333	-0,13267867	0,912136304	---
17439643	5,92713	6,114098	5,600737	5,688279	5,781301	5,774386	5,880655	5,747988667	-0,13266633	0,912144102	---
17543988	7,100844	6,994818	6,868577	6,829527	6,905148	6,831606	6,9880797	6,855427	-0,13265267	0,912152743	Taf9b
17230062	3,415724	3,460728	3,582697	3,226817	3,478138	3,35625	3,486383	3,353735	-0,132648	0,912155693	Gm7897
17423972	6,108952	6,145709	6,111811	6,06098	5,749512	6,158052	6,1221573	5,989514667	-0,13264267	0,912159065	---
17306623	3,123283	2,99262	3,210158	3,026649	3,112753	2,788755	3,108687	2,976052333	-0,13263467	0,912164123	Mir208b
17331403	3,835113	3,827829	3,772923	3,627552	3,756809	3,653682	3,811955	3,679347667	-0,13260733	0,912181405	Csnka2ip
17407518	4,963273	4,936481	5,095242	4,907866	4,901483	4,788033	4,998332	4,865794	-0,132538	0,912225244	Gm9125
17274267	7,441721	7,664393	7,623588	7,395514	7,452729	7,483846	7,5765673	7,444029667	-0,13253767	0,912225455	Nol10
17200913	5,708529	6,035487	5,868541	6,203413	5,557829	5,453736	5,8708523	5,738326	-0,13252633	0,912232621	---
17331796	5,740713	5,657068	5,865816	5,559627	5,135011	6,171381	5,7545323	5,622006333	-0,132526	0,912232832	---
17473341	5,414006	5,343833	5,226482	5,387999	5,076536	5,122287	5,328107	5,195607333	-0,13249967	0,912249483	Brsk1
17214115	5,066149	4,803748	5,08503	4,913447	4,937863	4,706127	4,9849757	4,852479	-0,13249667	0,91225138	1700027A15Rik
17225356	3,970206	3,859125	3,785006	3,586246	3,656045	3,974576	3,8714457	3,738955667	-0,13249	0,912255595	Glrp1
17200101	3,748934	4,629729	4,308971	4,039721	4,246667	4,003792	4,2292113	4,096726667	-0,13248467	0,91225896	---
17291629	4,210738	3,762081	4,333335	3,736786	4,335978	3,835962	4,1020513	3,969575333	-0,132476	0,912264448	G630018N14Rik
17208441	4,934487	5,317023	5,955327	4,837219	5,468308	5,50401	5,402279	5,269845667	-0,13243333	0,912291428	---
17252404	11,1419	10,79967	10,80868	10,64325	10,81229	10,89751	10,91675	10,78435	-0,1324	0,912312507	---
17200287	2,901298	3,268346	2,558208	2,955559	2,894435	2,480782	2,909284	2,776925333	-0,13235867	0,912338645	---
17231613	3,952171	3,772438	3,905404	3,661958	3,887498	3,683484	3,876671	3,744313333	-0,13235767	0,912339277	Gm5177
17275378	4,946131	4,809512	4,976936	4,882721	4,693924	4,758911	4,9108597	4,778518667	-0,132341	0,912349817	Coch
17396069	6,786226	6,644163	6,925719	6,381044	6,719975	6,858125	6,7853693	6,653048	-0,13232133	0,912362254	Chmp4c
17392594	3,417762	3,397074	3,612293	3,267741	3,50799	3,254452	3,4757097	3,343394333	-0,13231533	0,912366049	Cst11
17238669	4,3344	3,845204	3,886041	4,207589	3,956312	3,504801	4,0218817	3,889567333	-0,13231433	0,912366681	Olfr788
17263024	5,044058	5,108208	4,869036	4,932193	4,788707	4,903478	5,0071007	4,874792667	-0,132308	0,912370686	Nmur2
17281497	7,011079	7,313391	7,225517	7,075567	6,969869	7,10765	7,183329	7,051028667	-0,13230033	0,912375535	1110034A24Rik
17334419	8,573319	8,669852	8,741808	8,604532	8,442818	8,540777	8,6616597	8,529375667	-0,132284	0,912385864	Sepx1
17350639	5,523465	5,274742	5,565665	5,393358	5,226687	5,347066	5,454624	5,322370333	-0,13225367	0,912405048	Prdm6
17477832	8,964189	9,684684	9,460983	9,028349	9,350744	9,334031	9,369952	9,237708	-0,132244	0,912411161	Ftl1 // Ftl1
17549002	8,437599	8,679174	8,483973	8,415066	8,316751	8,472246	8,533582	8,401354333	-0,13222767	0,912421491	Polr2k // Polr2k
17350032	4,456701	4,451294	4,728363	4,361441	4,262159	4,616141	4,5454527	4,413247	-0,13220567	0,912435405	Gm5820
17355316	7,756319	7,903312	7,574456	7,546067	7,653438	7,637984	7,7446957	7,612496333	-0,13219933	0,912439411	Poli
17222959	3,157759	3,185722	3,246139	3,10941	3,002563	3,08106	3,19654	3,064344333	-0,13219567	0,91244173	1700019A02Rik
17321241	11,70699	11,80121	11,74377	11,64455	11,6366	11,57427	11,750657	11,61847333	-0,13218333	0,91244953	Snora34
17405069	4,186701	3,839149	3,845136	4,058391	3,895611	3,520461	3,9569953	3,824821	-0,13217433	0,912455222	1700018B24Rik
17357883	4,063314	3,910381	4,57319	4,440642	3,766524	3,943242	4,182295	4,050136	-0,132159	0,91246492	---
17474682	5,97958	5,655123	5,662673	5,607436	5,554502	5,739019	5,765792	5,633652333	-0,13213967	0,912477148	---
17518543	5,762357	5,843847	5,623706	5,671801	5,580359	5,581336	5,7433033	5,611165333	-0,132138	0,912478202	---
17460958	7,375078	7,586041	7,405684	7,279095	7,336631	7,354682	7,455601	7,323469333	-0,13213167	0,912482208	C130022K22Rik
17375503	6,091889	6,091401	5,789556	5,688116	6,067194	5,821177	5,9909487	5,858829	-0,13211967	0,912489797	AA467197
17548844	4,823246	4,527497	4,693202	4,644073	4,310509	4,693009	4,681315	4,549197	-0,132118	0,912490852	Gm20289
17508162	9,205311	9,597277	8,95467	9,001463	9,073797	9,285646	9,2524193	9,120302	-0,13211733	0,912491273	---
17458133	6,958436	6,677861	6,889593	6,742109	6,78648	6,600961	6,8419633	6,70985	-0,13211333	0,912493803	Zfp212
17418560	6,852821	6,696116	6,907413	6,592371	6,716173	6,751473	6,8187833	6,686672333	-0,132111	0,912495279	Fam176b
17459901	8,997903	9,128064	9,235382	8,859911	9,092104	9,013062	9,1204497	8,988359	-0,13209067	0,91250814	---
17255482	4,002097	4,202368	4,247701	4,009428	3,960864	4,085654	4,150722	4,018648667	-0,13207333	0,912519103	---
17228943	5,862595	5,997269	5,907651	5,758152	5,850045	5,76312	5,9225505	5,790439	-0,132066	0,912523742	Mettl13
17430762	5,805509	5,917254	5,897068	5,770763	5,728025	5,724847	5,873277	5,741211667	-0,13206533	0,912524163	Oprd1
17252726	3,440518	3,186749	3,300755	3,33919	3,118945	3,073717	3,3093407	3,177284	-0,13205667	0,912529645	Olfr397
17535710	6,151515	6,340838	6,397662	6,396205	5,927347	6,170335	6,2966717	6,164629	-0,13204267	0,9125385	---
17466279	3,774719	4,168114	3,791932	3,702198	3,425745	4,210738	3,9115883	3,779560333	-0,132028	0,912547778	Gm2663
17212882	8,130731	8,277073	8,12823	7,856955	7,954971	8,328085	8,178678	8,046670333	-0,13200767	0,912560639	Hspe1
17400281	7,469378	7,502084	7,451133	7,23636	7,338006	7,452246	7,4741983	7,342204	-0,13199433	0,912569073	Cdc42se1
17216498	4,326661	4,518229	4,3578	4,108231	4,341894	4,356629	4,4008967	4,268918	-0,13197867	0,912578983	Cdh7
17430833	8,38189	8,461569	8,527743	8,194906	8,523232	8,257223	8,4570673	8,325120333	-0,131947	0,912599014	Snora73a // Snora73a
17399649	6,647062	6,806441	6,390217	6,553531	6,484319	6,410116	6,6145733	6,482655333	-0,131918	0,912617358	Rab13
17207405	3,302441	3,544635	3,433131	3,587482	3,022651	3,274424	3,4267357	3,294852333	-0,13188333	0,912639288	---
17516621	6,708344	6,541564	6,698775	6,69446	6,263083	6,595555	6,649561	6,517699333	-0,13186167	0,912652994	Bcl9l
17204143	5,018916	4,895962	4,371916	4,58992	5,320494	3,980814	4,7622647	4,630409333	-0,13185533	0,912657001	---
17437087	7,580762	8,46785	7,783952	8,052631	7,748398	7,636001	7,944188	7,812343333	-0,13184467	0,912663749	Tmem128 // Tmem128
17323659	7,496228	7,747684	7,506164	7,516197	7,391496	7,446975	7,5833587	7,451556	-0,13180267	0,912690319	Trmt2a
17442307	5,167707	5,576221	5,425834	5,163068	5,336548	5,27478	5,3899207	5,258132	-0,13178867	0,912699176	Lrrc43
17409555	10,41417	10,36913	10,64908	10,87551	10,21727	9,944352	10,47746	10,34571067	-0,13174933	0,91272406	Amy2a5
17392561	8,135081	8,060035	8,04468	7,869699	8,091448	7,883465	8,079932	7,948204	-0,131728	0,912737556	Foxa2
17245171	11,21059	11,35957	11,32714	11,20601	11,15446	11,14171	11,2991	11,16739333	-0,13170667	0,912751053	Cct2
17278487	5,923464	6,152191	5,896999	6,078094	5,494712	6,004752	5,9908847	5,859186	-0,13169867	0,912756114	---
17234136	6,186509	6,149322	6,142399	5,936349	5,969755	6,177056	6,15941	6,02772	-0,13169	0,912761598	Slc16a9
17468627	7,00179	7,023405	7,327394	6,838995	7,142172	6,976363	7,1175297	6,985843333	-0,13168633	0,912763918	Prokr1
17235354	6,357393	5,963362	6,502332	6,090108	6,042698	6,295376	6,2743623	6,142727333	-0,131635	0,912796396	Gm19876
17286719	9,534728	9,63224	9,646009	9,401445	9,539947	9,47675	9,6043257	9,472714	-0,13161167	0,912811159	Pak1ip1
17492425	4,964556	4,847447	5,374075	4,971214	4,798597	5,021511	5,062026	4,930440667	-0,13158533	0,91282782	Mesp1
17550310	4,770925	4,580168	4,412049	4,631025	4,343258	4,394125	4,587714	4,456136	-0,131578	0,91283246	---

17255775	6,356508	6,354437	6,38444	6,170987	6,186846	6,342889	6,3651283	6,233574	-0,13155433	0,912847435	Socs7	
17208105	4,61057	4,540795	4,310758	4,432288	4,488157	4,147034	4,4873743	4,355826333	-0,131548	0,912851442	---	
17238210	9,349451	9,330702	9,210274	9,100051	9,18996	9,205827	9,296809	9,165279333	-0,13152967	0,912863043	Prim1	
17236708	8,506113	8,562982	8,570026	8,367805	8,427639	8,449097	8,5463737	8,414847	-0,13152667	0,912864941	Ccdc41	
17286472	9,003813	9,179578	9,04101	8,855639	9,00572	8,968523	9,0748003	8,943294	-0,13150633	0,912877807	Ripk1	
17548677	7,968649	8,049072	8,020621	7,960886	7,999748	7,683275	8,0127807	7,881303	-0,13147767	0,912895946	Atp6v1b2 // Atp6v1b2	
17448526	4,225492	4,059714	4,070814	4,146475	3,969603	3,845549	4,1186733	3,987209	-0,13146433	0,912904383	Kctd8	
17488957	10,43933	10,44822	10,55759	10,42515	10,27424	10,35139	10,481713	10,35026	-0,13145333	0,912911344	Capns1	
17444851	5,966315	5,905438	5,836486	6,038844	5,593156	5,681892	5,9027463	5,771297333	-0,131449	0,912914086	D5Ertd605e // D5Ertd605e	
17343762	4,238727	4,290204	4,347972	4,211663	4,311726	3,959171	4,292301	4,160853333	-0,13144767	0,91291493	H2-Oa	
17237795	3,243699	3,047175	3,277502	3,035398	3,156193	2,982467	3,1894587	3,058019333	-0,13143933	0,912920203	---	
17494699	6,031888	5,496229	6,221057	5,734394	5,808504	5,812018	5,9163913	5,784972	-0,13141933	0,912932859	Olfr700	
17503974	5,523417	5,575787	5,753015	5,6475	5,284046	5,526419	5,6174063	5,485988333	-0,131418	0,912933702	Slc12a3	
17219466	10,94497	11,18801	11,26162	10,93837	11,17083	10,89117	11,131533	11,00012333	-0,13141	0,912938765	---	
17329720	5,536801	5,233076	5,257114	5,467878	5,002753	5,162138	5,3423303	5,210923	-0,13140733	0,912940452	---	
17208547	5,53544	6,392499	5,410702	5,877904	5,920523	5,146005	5,779547	5,648144	-0,131403	0,912943194	---	
17331436	2,805938	3,076548	2,829864	2,823983	2,835242	2,658939	2,9041167	2,772721333	-0,13139533	0,912948046	---	
17349944	3,677201	3,890363	3,721557	3,735376	3,712211	3,447357	3,7630403	3,631648	-0,13139233	0,912949944	Pcdhb21	
17539060	3,591446	3,26503	3,473638	3,321615	3,361764	3,252601	3,4433713	3,311993333	-0,131378	0,912959015	---	
17449519	5,820049	4,798677	5,890919	4,500975	5,939031	5,675579	5,503215	5,371861667	-0,13135333	0,912974624	---	
17239371	8,731332	8,857756	8,756222	8,593991	8,715003	8,642299	8,78177	8,650431	-0,131339	0,912983695	Ltv1	
17226109	3,218997	3,06328	3,206775	3,135671	3,021026	2,938381	3,1630173	3,031692667	-0,13132467	0,912992765	Serpinb3c	
17291992	5,259048	5,0557	5,171596	5,148375	4,924165	5,019907	5,1621147	5,030815667	-0,131299	0,913009008	Ofcc1	
17293961	4,553452	4,762084	4,524479	4,593725	4,262843	4,589589	4,6133383	4,482052333	-0,131286	0,913017235	Zfp429	
17446515	4,261757	4,080557	4,258847	4,132483	4,031809	4,043028	4,200387	4,069106667	-0,13128033	0,913020822	4930584F24Rik	
17274635	3,337893	3,535062	3,712456	3,361138	3,73863	3,091864	3,5284703	3,397210667	-0,13125967	0,913033901	---	
17474956	7,051394	7,159823	7,295482	6,8933	7,171312	7,048357	7,1688997	7,037656333	-0,13124333	0,913044238	1500002O20Rik	
17299397	3,776958	3,650323	3,737102	3,697306	3,632347	3,441016	3,721461	3,590223	-0,131238	0,913047613	4930447J18Rik	
17502813	5,581427	5,343869	5,219034	5,244393	5,180832	5,325508	5,3814433	5,250244333	-0,131199	0,913072296	---	
17433658	4,631711	5,059895	5,168336	4,916075	4,735021	4,815272	4,953314	4,822122667	-0,13119133	0,913077148	---	
17372923	3,072937	2,912457	3,118544	2,885906	2,865589	2,958872	3,034646	2,903455667	-0,13119033	0,913077781	Olfr1202	
17252011	4,865665	4,285407	4,585601	4,357498	4,477298	4,508442	4,578891	4,447746	-0,131145	0,913106472	Mir195	
17465296	4,089398	4,101578	4,50236	4,05957	4,13532	4,105021	4,231112	4,099970333	-0,13114167	0,913108582	Mir592	
17204569	6,088042	5,881998	6,433833	6,029568	6,209882	5,77104	6,1346243	6,003496667	-0,13112767	0,913117443	---	
17280590	9,578491	9,670769	9,56164	9,391983	9,49198	9,533589	9,6036333	9,472517333	-0,131116	0,913124827	Prkar2b	
17405142	6,406039	6,727185	6,590877	6,460976	6,542862	6,326928	6,5747003	6,443588667	-0,13111167	0,91312757	Setd7	
17350684	4,620637	4,461176	4,020995	4,405707	4,032118	4,271733	4,3676027	4,236519333	-0,13108333	0,913145503	Gm4221	
17470788	5,29437	4,923528	5,305068	5,071771	4,943898	5,114058	5,174322	5,043242333	-0,13107967	0,913147824	---	
17471635	5,567039	5,84182	5,975484	5,567085	5,987856	5,436183	5,794781	5,663708	-0,131073	0,913152044	Klra17	
17410061	5,068441	5,454317	5,434474	5,13938	5,529597	4,895049	5,3190773	5,188008667	-0,13106867	0,913154786	---	
17337679	3,740047	3,649717	3,676423	3,390461	3,720872	3,561714	3,688729	3,557682333	-0,13104667	0,913168711	Gm17495	
17535416	3,66471	3,376758	3,541754	3,43141	3,387544	3,371139	3,5277407	3,396697667	-0,131043	0,913171032	Magea4	
17453269	5,271492	5,272661	5,137233	5,162013	5,2155	4,910778	5,2271287	5,096097	-0,13103167	0,913178206	---	
17312339	6,656489	6,5302	6,535141	6,57993	6,267233	6,481601	6,5739433	6,442921333	-0,131022	0,913184325	---	
17249481	7,531251	7,740602	7,253514	7,485445	7,208075	7,43879	7,5084557	7,377436667	-0,131019	0,913186223	---	
17335419	5,199621	4,644247	4,721623	4,861764	4,672062	4,638625	4,8551637	4,724150333	-0,13101333	0,91318981	Pnpla1	
17306863	9,314856	9,893587	9,924167	9,730293	9,551737	9,457555	9,71087	9,579861667	-0,13100833	0,913192975	---	
17385486	5,987133	6,06749	5,722975	5,739764	5,94361	5,701217	5,925866	5,794863667	-0,13100233	0,913196773	Wdsub1	
17334200	5,26815	4,898605	5,649292	5,423417	5,049102	4,950716	5,2720157	5,141078333	-0,13093733	0,913237918	BC028777	
17374722	7,659725	7,642222	7,601313	7,522336	7,45139	7,53674	7,63442	7,503488667	-0,13093133	0,913241716	Rad51	
17245686	5,146946	4,8639	5,153218	4,719582	4,906226	5,145637	5,054688	4,923815	-0,130873	0,913278642	LOC100504608	
17255853	7,132122	7,018353	6,975644	6,964201	6,841614	6,927687	7,0420397	6,911167333	-0,13087233	0,913279064	Cisd3	
17317212	11,02857	11,23251	11,17358	10,9782	11,13217	10,93168	11,144887	11,01401667	-0,13087	0,913280541	---	
17316428	5,211733	5,06181	5,098768	5,037412	4,929551	5,012777	5,1241037	4,993246667	-0,130857	0,913288771	BC048602 // BC048602	
17544373	5,05773	5,026255	5,270159	4,759843	5,143562	5,05819	5,118048	4,987198333	-0,13084967	0,913293413	Pcdh19	
17203847	3,13078	2,957658	2,91975	2,951128	2,772349	2,892196	3,0027293	2,871891	-0,13083833	0,913300588	---	
17367237	4,613227	4,117736	4,805258	4,4847	4,107602	4,551413	4,5120737	4,381238333	-0,13083533	0,913302487	A930004D18Rik	
17338946	7,79897	7,59461	7,402616	7,315705	7,702303	7,385767	7,598732	7,467925	-0,130807	0,913320423	Crb3	
17211883	3,243429	3,580437	3,508421	3,476561	3,12983	3,333494	3,4440957	3,313295	-0,13080067	0,913324433	---	
17376588	4,70694	4,77315	4,973629	4,867866	4,645169	4,548288	4,8179063	4,687107667	-0,13079867	0,913325699	1700026D11Rik	
17225809	5,231937	5,417103	5,174529	5,191011	5,068215	5,171954	5,274523	5,143726667	-0,13079633	0,913327176	---	
17378958	6,649811	6,70149	6,938596	6,721029	6,740766	6,43575	6,763299	6,632515	-0,130784	0,913334984	Fam83d	
17362240	10,03711	10,15163	9,924331	9,88331	9,830708	10,00676	10,03769	9,906926	-0,13076433	0,913347435	Stip1	
17337202	5,115459	4,908585	4,986751	5,071485	4,653901	4,893126	5,0035983	4,872837333	-0,130761	0,913349545	2300002M23Rik	
17280483	10,06577	9,896233	9,996243	9,836311	9,786062	9,943649	9,986082	9,855340667	-0,13074133	0,913361996	Acp1	
17543082	4,69684	4,473492	4,390918	4,210737	4,423656	4,534639	4,5204167	4,389677333	-0,13073933	0,913363262	Gm41	
17474078	5,154707	5,297001	5,267666	4,9045	5,194191	5,228528	5,2397913	5,109073	-0,13071833	0,913376557	Meis3	
17247356	4,380944	4,043782	4,363331	4,084911	4,145442	4,165556	4,2626857	4,131969667	-0,130716	0,913378034	---	
17372614	7,400794	7,582381	7,410574	7,482399	7,202433	7,316838	7,464583	7,33389	-0,130693	0,913392596	Timm10	
17341305	3,742438	3,522781	3,69139	3,479589	3,661859	3,423083	3,652203	3,521510333	-0,13069267	0,913392807	Vmn2r105	
17261177	4,365967	4,124714	4,665555	4,315527	4,219152	4,229524	4,385412	4,254734333	-0,13067767	0,913402304	---	
17520063	4,797978	4,8497	5,183409	4,5703	5,170998	4,697798	4,9436957	4,813032	-0,13066367	0,913411167	Mrap2	
17549188	5,1114	5,645527	5,310719	5,464494	5,040658	5,170534	5,355882	5,225228667	-0,13065333	0,91341771	---	
17543139	3,077757	3,172132	3,398219	3,032793	2,795429	3,427933	3,216036	3,085385	-0,130651	0,913419187	Mageb1	
17310398	3,755532	3,981219	4,03913	3,623223	4,176133	3,584606	3,9252937	3,794654	-0,13063967	0,913426363	---	
17308413	8,487254	8,588198	8,615176	8,245129	8,45657	8,597044	8,5635427	8,432914333	-0,13062833	0,913433538	Epb4.9	
17372959	3,776881	3,560169	3,406323	3,559987	3,289996	3,501575	3,5811243	3,450519333	-0,130605	0,913448312	Olfr1262	
17500702	3,200019	3,165384	3,359732	3,137311	3,099005	3,097037	3,2417117	3,111117667	-0,130594	0,913455276	Adam25	
17248793	4,412443	4,378942	4,673818	4,361349	4,278105	4,433969	4,488401	4,357807667	-0,13059333	0,913455698	Fam71b	
17360001	3,647485	3,566366	3,551532	3,565152	3,395339	3,413116	3,588461	3,457869	-0,130592	0,913456543	---	
17551135	9,856631	9,838724	9,696346	9,577934	9,737208	9,684839	9,7972337	9,666660333	-0,13057333	0,913468362	---	
17283463	7,069907	7,154937	7,037032	6,743676	7,00801	7,118488	7,087292	6,956724667	-0,13056733	0,913472161	Itpk1	
17360115	7,748247	8,112103	7,830606	7,772302	7,802433	7,724525	7,8969853	7,76642	-0,13056533	0,913473427	Taf5	
17211458	5,74749	5,754508	5,686619	5,580379	5,636727	5,579825	5,729539	5,598977	-0,130562	0,913475538	Col9a1	
17516189	2,980598	3,017323	3,0451	2,897889	2,873281	2,880169	3,0143403	2,883779667	-0,13056067	0,913476382	Olfr913	
17427883	4,235921	4,551652	4,313832	4,061263	4,12544	4,523091	4,367135	4,236598	-0,130537	0,913491367	---	
17233331	9,219178	9,259401	9,236589	9,054177	9,130984	9,138432	9,2383893	9,107864333	-0,130525	0,913498965	Asf1a	
17536624	6,745951	6,468403	6,356958	6,473042	6,271368	6,435336	6,5237707	6,393248667	-0,130522	0,913500865	Dlg3	
17438875	5,829298	5,399771	5,395241	5,340318	5,274148	5,61828	5,5414367	5,410915333	-0,13052133	0,913501287	Gm7056	
17315225	6,48002	5,961481	6,542123	5,940455	6,39079	6,260855	6,3278747	6,197366667	-0,130508	0,91350973	Krt86	
17357276	7,400479	7,571822	7,418333	7,370839	7,19107	7,437252	7,4635447	7,333053667	-0,130491	0,913520494	Ints5	
17304794	11,36652	11,30027	11,2789	11,25681	11,11495	11,18246	11,31523	11,18474	-0,13049	0,913521127	Hacl1 // Hacl1	
17212049	4,838681	4,497307	4,686476	4,49234	4,447233	4,691483	4,6741547	4,543685333	-0,13046933	0,913534214	---	
17502789	12,76771	12,85599	12,68938	12,51013	12,60442	12,80713	12,771027	12,64056	-0,13046667	0,913535902	Gypa	
17235714	6,715199	6,719026	6,760514	6,692626	6,556256	6,554493	6,7315797	6,601125	-0,13045467	0,913543501	Dohh	
17421168	4,243431	4,986766	4,408346	4,511551	4,129324	4,606353	4,546181	4,415742667	-0,13043833	0,913553843	---	
17549640	4,382212	4,29475	4,368721	4,163973	4,211415	4,278981	4,348561	4,218123	-0,130438	0,913554055	---	
17459843	5,667578	5,457877	5,583836	5,515588	5,344993	5,4574	5,5697637	5,439327	-0,13043667	0,913554899	Tacr1	
17447150	7,695095	7,857295	7,784646	7,674423	7,68317	7,588209	7,779012	7,648600667	-0,13041133	0,913570941	Letm1	
17363160	3,214332	3,20014	3,200937	2,974193	3,172861	3,07714	3,2051363	3,074731333	-0,130405	0,913574951	---	
17447960	4,390803	4,537461	4,674871	4,410931	4,508271	4,292724	4,5343783	4,403975333	-0,130403	0,913576218	---	
17241655	3,502687	3,519539	3,6691	3,554708	3,34819	3,397221	3,5637753	3,433373	-0,13040233	0,91357664	Rtkn2	
17380953	7,120692	7,121116	6,974095	6,709196	6,97374	7,141765	7,0719677	6,941567	-0,13040067	0,913577695	Ppdpf	
17256342	6,946305	6,893061	6,9497	6,810408	6,720952	6,866518	6,9296887	6,799292667	-0,130396	0,91358065	---	
17243091	5,714598	5,944462	6,387127	5,837276	5,951067	5,866735	6,0153957	5,885026	-0,13036967	0,913597326	---	
17209061	4,682921	3,439882	3,678575	3,410987	3,840975	4,15832	3,9337927	3,803427333	-0,13036533	0,91360007	---	
17318942	5,885733	5,498567	5,778769	5,425372	5,622207	5,724491	5,721023	5,59069	-0,130333	0,913620546	Pvalb	
17350581	4,416091	4,291101	4,389	4,263031	4,130307	4,311891	4,3653973	4,235076333	-0,130321	0,913628145	1700034E13Rik	
17208001	2,954173	3,000852	2,911283	3,001975	2,769621	2,703882	2,955436	2,825159333	-0,13027667	0,913656221	---	
17275237	8,706523	8,63299	8,556663	8,558072	8,416576	8,530699	8,6320587	8,501782333	-0,13027633	0,913656432	Pnpla8	
17456772	4,999389	5,070336	5,180535	4,837375	5,108916	4,913165	5,08342	4,953152	-0,130268	0,91366171	Fam40b	
17253145	5,192132	5,054336	4,985776	4,984061	4,945215	4,912252	5,0774147	4,947176	-0,13023867	0,913680287	Dbil5	
17513503	7,591374	7,528511	7,402488	7,379566	7,234267	7,517923	7,5074577	7,377252	-0,13020567	0,913701186	Zdhhc7	
17206125	6,460904	5,796992	5,433184	5,788768	5,599813	5,911893	5,8970267	5,766824667	-0,130202	0,913703508	---	
17465227	2,882504	3,000852	3,202659	2,815714	3,018263	2,861462	3,0286717	2,898479667	-0,130192	0,913709842	---	
17524326	3,80433	3,553593	3,811077	3,607541	3,630206	3,540741	3,723	3,592829333	-0,13017067	0,913723353	Olfr828	
17243839	4,329585	4,095739	4,406892	4,145193	4,286592	4,009931	4,2774053	4,147238667	-0,13016667	0,913725886	Ascl1	
17205041	3,296958	3,461027	3,278305	3,163656	2,932075	3,550088	3,34543	3,215273	-0,130157	0,913732009	---	
17209231	3,296958	3,461027	3,278305	3,163656	2,932075	3,550088	3,34543	3,215273	-0,130157	0,913732009	---	
17539064	5,099742	5,515756	5,443594	5,447272	5,135161	5,086272	5,3530307	5,222901667	-0,130129	0,913749743	Acot9	
17529705	5,919864	5,550607	6,072741	5,792043	5,761112	5,599681	5,8477373	5,717612	-0,13012533	0,913752065	---	
17295788	7,659557	8,074258	7,930367	7,778105	7,724488	7,771217	7,8880607	7,757936667	-0,130124	0,91375291	Gm10257	
17214400	5,949743	5,659108	5,680664	5,550039	5,828822	5,520317	5,7631717	5,633059333	-0,13011233	0,913760299	Cdk5r2	
17350086	3,915976	4,223015	3,880136	3,859212	3,871157	3,898422	4,0063757	3,876263667	-0,130112	0,91376051	---	
17495303	10,18791	10,23259	10,13264	10,06325	10,11751	9,982095	10,18438	10,054285	-0,130095	0,913771277	---	
17280187	4,997572	4,928235	5,039125	4,955971	4,860029	4,758684	4,9883107	4,858228	-0,13008267	0,913779089	Itgb1bp1 // Itgb1bp1	
17516617	6,019146	6,049334	6,128657	5,979423	5,878311	5,949235	6,0657123	5,935656333	-0,130056	0,913795979	C030014I23Rik	
17548010	9,257759	9,655718	9,519334	9,377604	9,275955	9,389097	9,4776037	9,347552	-0,13005167	0,913798724	Gm19399	
17298968	5,786291	5,934608	5,86011	5,747429	5,418768	6,024702	5,8603363	5,730299667	-0,13003667	0,913808225	Sftpa1	
17481133	4,733354	4,687794	4,727108	4,485825	4,676025	4,596384	4,7160853	4,586078	-0,13000733	0,913826805	Olfr552	
17497146	5,958246	6,120423	6,199891	5,947079	6,06069	5,880791	6,0928533	5,962853333	-0,13	0,91383145	Zranb1	
17323653	4,733163	4,856191	4,905815	4,749299	4,548334	4,807587	4,831723	4,70174	-0,129983	0,913842218	---	
17396823	10,08544	10,23215	10,06987	9,961189	10,03932	9,997082	10,129153	9,999197	-0,12995633	0,91385911	Fxr1	
17431502	8,6406	8,596033	8,88684	8,528805	8,575417	8,629406	8,7078243	8,577876	-0,12994833	0,913864177	Lypla2	

17305432	5,390811	5,270228	5,289155	5,598689	5,024969	4,936749	5,3167313	5,186802333	-0,129929	0,913876424	Gm10377
17219546	5,84968	6,044183	6,134047	5,954504	5,91853	5,765095	6,0093033	5,879376333	-0,129927	0,913877691	Slamf9
17260618	4,587818	4,425877	4,663692	4,407871	4,54806	4,331723	4,559129	4,429218	-0,129911	0,913887826	---
17337089	5,556976	5,565242	5,751729	5,549088	5,406589	5,528583	5,624649	5,494753333	-0,12989567	0,913897539	H2-Q1 // H2-Q1
17392110	4,594269	4,50132	4,701872	4,73854	4,253013	4,416247	4,5991537	4,469266667	-0,129887	0,913903029	9630028H03Rik
17499530	4,474524	4,455027	4,666543	4,328788	4,541426	4,33623	4,5320313	4,402148	-0,12988333	0,913905352	---
17455492	5,556971	7,684678	4,945648	7,420846	5,076602	5,3002	6,0624323	5,932549333	-0,129883	0,913905563	Gm8615
17346760	8,411885	8,64815	8,450854	8,283978	8,361856	8,475407	8,5036297	8,373747	-0,12988267	0,913905774	Ralbp1
17451568	8,090178	8,22395	8,350034	8,19689	7,837515	8,240294	8,2213873	8,091566333	-0,129821	0,913944839	Gltp
17308881	8,646877	8,694719	8,703403	8,340548	8,634226	8,680762	8,6816663	8,551845333	-0,129821	0,913944839	1190002H23Rik
17486203	4,98299	4,949919	5,233851	4,843019	5,024571	4,909787	5,0555867	4,925792333	-0,12979433	0,913961733	---
17496728	5,963212	5,808894	5,748508	5,836332	5,786679	5,508255	5,8402047	5,710422	-0,12978267	0,913969124	Zfp629
17201869	7,803663	7,593111	7,617321	7,80964	7,463355	7,351827	7,671365	7,541607333	-0,12975767	0,913984962	---
17371636	5,781058	6,010671	6,108696	5,566129	5,967406	5,977688	5,9668083	5,837074333	-0,129734	0,913999955	Gad1
17513525	7,364348	7,294456	7,214934	7,136724	7,125014	7,222883	7,291246	7,161540333	-0,12970567	0,914017906	Gins2
17401036	5,171392	4,928868	5,058106	4,990331	4,95507	4,823884	5,0527887	4,923095	-0,12969367	0,914025508	Nhlh2
17482290	4,351804	4,059022	4,418612	4,053716	4,246848	4,139856	4,2764793	4,146806667	-0,12967267	0,914038813	Acsm4
17334636	5,081735	4,868165	5,109266	5,100219	4,81854	4,751437	5,019722	4,890065333	-0,12965667	0,91404895	Gm17801
17537260	3,858344	3,821154	3,824305	3,7376	3,742712	3,63457	3,834601	3,704960667	-0,12964033	0,914059299	2010106E10Rik
17293475	4,730604	4,950552	5,111772	4,797585	4,832272	4,774166	4,930976	4,801341	-0,129635	0,914062678	Gm19792
17251430	6,065906	6,152378	5,880299	5,933926	5,985175	5,790579	6,032861	5,903226667	-0,12963433	0,9140631	Rpl26
17401180	8,26997	8,477153	8,141397	8,157245	8,111507	8,230892	8,2961733	8,166548	-0,12962533	0,914068802	Trim33
17403848	8,943198	9,123507	9,102314	8,90573	8,882073	8,992344	9,0563397	8,926715667	-0,129624	0,914069647	Zranb2
17403809	3,296865	3,061017	3,02367	3,004847	2,931816	3,056029	3,127184	2,997564	-0,12962	0,914072181	---
17375161	6,6204	6,822017	6,660191	6,537186	6,681643	6,494953	6,7008693	6,571260667	-0,12960867	0,914079362	Tmem62
17249347	8,397482	8,529457	8,430725	8,300852	8,374067	8,293939	8,4525547	8,322952667	-0,129602	0,914083586	Nhp2
17250183	7,331702	7,136362	7,156931	7,00301	7,181888	7,051329	7,2083317	7,078742333	-0,12958933	0,914091612	Trim11
17218004	3,356495	2,979766	3,310095	3,191159	2,924753	3,14169	3,215452	3,085867333	-0,12958467	0,914094568	---
17417347	6,159095	5,796869	5,855747	5,834872	5,687763	5,900349	5,937237	5,807661333	-0,12957567	0,914100271	---
17254616	5,273736	5,326356	5,330205	5,174183	5,073216	5,294175	5,310099	5,180524667	-0,12957433	0,914101116	---
17357475	5,826262	6,213194	6,18417	5,518232	6,024557	6,292115	6,074542	5,944968	-0,129574	0,914101327	Fen1 // Fen1
17315606	5,445934	5,574059	5,881681	5,502652	5,469915	5,540413	5,6338913	5,504326667	-0,12956467	0,914107241	Pde1b
17421788	5,55685	5,874881	5,669949	5,587474	5,577064	5,548473	5,70056	5,571003667	-0,12955633	0,914112521	---
17312219	9,172504	9,90784	9,539506	9,04587	9,693753	9,491565	9,53995	9,410396	-0,129554	0,914113999	Ly6g
17363670	4,290203	3,921565	4,322303	4,216066	3,944892	3,984492	4,1780237	4,048483333	-0,12954033	0,914122659	2610016A17Rik
17291821	5,391105	5,605354	5,485761	5,194439	5,503699	5,395474	5,4940733	5,364537333	-0,129536	0,914125404	Eci3
17365382	4,825026	4,917773	4,779312	4,757464	4,680516	4,695561	4,8407037	4,711180333	-0,12952333	0,91413343	2310034G01Rik
17548482	4,619174	4,475623	4,51312	4,544452	4,244442	4,430497	4,5359723	4,406463667	-0,12950867	0,914142723	Gm20382
17492179	4,909222	4,974339	4,748034	4,615555	5,050588	4,576993	4,8771983	4,747712	-0,12948633	0,914156875	---
17441130	6,781928	6,916757	6,942708	6,656931	6,871672	6,724398	6,8804643	6,751000333	-0,129464	0,914171026	Triap1
17362356	4,001684	3,912364	4,048448	3,950749	3,823191	3,800186	3,9874987	3,858042	-0,12945667	0,914175673	Slc22a19
17440633	5,81537	5,716958	5,74597	5,414065	5,64728	5,828643	5,7594327	5,629996	-0,12943667	0,914188346	Mn1
17537455	5,289701	5,950479	5,772795	5,278022	5,848024	5,498645	5,6709917	5,541563667	-0,129428	0,914193838	Gm17361
17544297	5,289701	5,950479	5,772795	5,278022	5,848024	5,498645	5,6709917	5,541563667	-0,129428	0,914193838	---
17544305	5,289701	5,950479	5,772795	5,278022	5,848024	5,498645	5,6709917	5,541563667	-0,129428	0,914193838	---
17544313	5,289701	5,950479	5,772795	5,278022	5,848024	5,498645	5,6709917	5,541563667	-0,129428	0,914193838	---
17544321	5,289701	5,950479	5,772795	5,278022	5,848024	5,498645	5,6709917	5,541563667	-0,129428	0,914193838	Gm17361
17248925	6,095599	5,477898	5,186512	5,638731	4,896245	5,836821	5,5866697	5,457265667	-0,129404	0,914209046	Olfr1395
17459347	6,460091	5,957265	6,028203	6,004913	5,937815	6,114625	6,1485197	6,019117667	-0,129402	0,914210314	Igkv15-103
17371099	3,809711	4,236797	4,252876	3,927093	3,91813	4,065957	4,0997947	3,970393333	-0,12940133	0,914210736	---
17337580	3,38101	3,68573	2,955851	3,183199	3,393334	3,057926	3,3408637	3,211486333	-0,12937733	0,914225945	Olfr111
17548690	10,71884	11,09879	10,8711	10,59013	10,71469	10,99582	10,896243	10,76688	-0,12936333	0,914234816	Gm6625
17309022	6,624074	6,572106	6,384228	5,526347	6,805635	6,860352	6,5268027	6,397444667	-0,129358	0,914238196	---
17388650	3,806414	4,030458	3,614371	3,691842	3,825804	3,545689	3,817081	3,687778333	-0,12930267	0,914273262	---
17469121	6,244564	6,102822	6,319178	5,914196	6,106418	6,258042	6,222188	6,092885333	-0,12930267	0,914273262	Prickle2
17264634	8,778797	8,976601	9,291664	9,068342	8,87182	8,719017	9,0156873	8,886393	-0,12929433	0,914278543	---
17441755	5,189694	5,219256	5,037232	4,703628	5,240428	5,114256	5,1487273	5,019437333	-0,12929	0,914281289	Dtx1
17355825	7,701644	7,908232	7,632352	7,601392	7,682124	7,570844	7,7474093	7,61812	-0,12928933	0,914281711	Cndp2
17481535	3,844256	3,852671	3,863921	3,631705	3,871872	3,669481	3,853616	3,724352667	-0,12926333	0,914298189	Gm15514
17304850	6,613993	6,659864	6,873023	6,55971	6,609062	6,59036	6,7156267	6,586377333	-0,12924933	0,914307061	Oxnad1 // Oxnad1
17459398	3,534675	3,679227	3,497067	3,603787	3,473138	3,246359	3,570323	3,441094667	-0,12922833	0,91432037	---
17523279	5,950552	6,005377	6,183083	6,049861	5,934664	5,766872	6,0463373	5,917132333	-0,129205	0,914335158	---
17235682	7,286176	7,156048	7,386563	7,138695	7,096532	7,205959	7,2762623	7,147062	-0,12920033	0,914338115	2510012J08Rik
17356412	5,226201	5,237287	5,373872	5,069171	5,182844	5,197879	5,27912	5,149964667	-0,12915533	0,914366635	4930481A15Rik
17462224	6,547523	5,609616	6,558518	5,812785	6,389061	6,126355	6,2385523	6,109400333	-0,129152	0,914368748	---
17298183	8,983943	9,129163	9,23401	8,999805	9,033013	8,926899	9,1157053	8,986572333	-0,129133	0,91438079	Tkt
17516852	6,822075	6,808016	6,597047	6,492844	6,617592	6,729344	6,7423793	6,61326	-0,12911933	0,914389452	Pcsk7
17201211	8,30868	7,978572	7,620691	7,709406	7,782328	8,028868	7,9693143	7,840200667	-0,12911367	0,914393044	---
17473941	6,33746	6,471724	6,105716	5,821532	6,185629	6,520435	6,3049667	6,175865333	-0,12910133	0,914400861	Sult2a2
17204083	3,122408	2,861063	2,861059	2,735125	3,002438	2,720004	2,9481767	2,819189	-0,12898767	0,914472907	---
17548266	5,751182	6,005639	5,563357	5,493618	5,571881	5,867795	5,7733927	5,644431333	-0,12896133	0,914489599	Mrpl47
17206215	4,420093	3,115842	4,108797	3,809151	3,851957	3,596816	3,8815773	3,752641333	-0,128936	0,914505657	---
17391470	9,809267	9,505524	9,506516	9,29773	9,681863	9,455029	9,6071023	9,478207333	-0,128895	0,914531647	---
17218923	4,449352	4,158754	4,367561	4,357482	4,000248	4,231295	4,3252223	4,196341667	-0,12888067	0,914540733	---
17439479	3,308237	2,937498	3,021195	3,078625	2,81196	2,989717	3,0889767	2,960100667	-0,128876	0,914543691	---
17291500	4,279179	4,063273	3,95895	3,967642	3,838237	4,109025	4,1004673	3,971634667	-0,12883267	0,914571161	Prl7c1
17235408	7,808568	7,746744	7,802397	7,673609	7,616714	7,680907	7,785903	7,657076667	-0,12882633	0,914575176	Dot1l
17208711	4,096281	3,889328	4,285151	3,959307	4,06089	3,864097	4,0902533	3,961431333	-0,128822	0,914577923	---
17252359	5,579278	5,443523	5,82628	5,56185	5,507491	5,393321	5,6163603	5,487554	-0,12880633	0,914587855	Ggt6
17551109	9,233493	9,253261	9,209105	9,085604	9,073611	9,15027	9,231953	9,103161667	-0,12879133	0,914597364	---
17427073	6,276276	6,006334	6,357207	6,270058	6,017161	5,966241	6,2132723	6,084486667	-0,12878567	0,914600957	Ifna14
17374807	5,640349	5,573403	5,723162	5,497867	5,4695	5,583232	5,645638	5,516866333	-0,12877167	0,914609832	Chac1
17389928	7,897152	8,030787	7,843727	7,567337	7,891524	7,926551	7,9238887	7,795137333	-0,12875133	0,914622723	Ndufaf1
17438963	12,33516	12,10741	12,14815	11,98063	12,09642	12,12743	12,196907	12,06816	-0,12874667	0,914625681	Ppbp
17458771	9,998229	9,971945	10,19317	9,894064	9,987297	9,895799	10,054448	9,92572	-0,128728	0,914637515	Gars
17502992	6,967681	6,628091	6,81408	6,809395	6,740285	6,474028	6,803284	6,674569333	-0,12871467	0,914645968	---
17477960	6,44888	5,954129	6,04972	6,345765	5,731089	5,989841	6,1509097	6,022231667	-0,128678	0,914669215	Ntn5
17516261	4,214839	3,716016	4,170636	4,060319	3,790336	3,864882	4,0338303	3,905179	-0,12865133	0,914686122	Olfr944
17287081	5,893307	5,930412	6,043533	5,739892	5,757868	5,983582	5,9557507	5,827114	-0,12863667	0,914695421	Id4
17266586	4,954373	4,625492	4,633042	4,622727	4,672697	4,531583	4,7376357	4,609002333	-0,12863333	0,914697534	Omg
17387316	9,975625	10,01777	9,83884	9,840534	9,78387	9,821958	9,9440783	9,815454	-0,12862433	0,91470324	Nckap1
17418753	5,118335	4,930423	4,992142	5,099526	4,779019	4,776488	5,0136333	4,885011	-0,12862233	0,914704508	4930471C06Rik
17508025	8,11059	8,211181	8,214221	8,008039	7,974976	8,167165	8,178664	8,05006	-0,128604	0,914716132	Ckap2
17205569	3,15996	4,270257	3,284928	3,702573	2,987716	3,639045	3,571715	3,443111333	-0,12860367	0,914716343	---
17226089	4,067986	3,672373	3,555587	3,624959	3,66291	3,622299	3,7653153	3,636722667	-0,12859267	0,914723318	Serpinb3d
17538425	5,912022	5,813353	5,708655	5,705819	5,630583	5,711852	5,8113433	5,682751333	-0,128592	0,914723741	Snora35
17321336	5,33471	4,969406	5,279266	4,992865	5,051929	5,152871	5,1944607	5,065888333	-0,12857233	0,91473621	Wnt10b
17534135	5,731134	5,897757	6,577322	5,790167	6,196794	5,833607	6,0687377	5,940189333	-0,12854833	0,914751427	Sowahd
17493275	4,78969	4,912669	5,170137	4,683728	4,859429	4,943767	4,9574987	4,828974667	-0,128524	0,914766856	Ccdc83
17472288	4,400628	4,506488	4,206663	4,252462	4,087989	4,387777	4,3712597	4,242742667	-0,128517	0,914771295	Lmo3
17252272	7,951169	8,059359	8,051546	7,804662	7,925974	7,945898	8,0206913	7,892178	-0,12851333	0,91477362	Mis12
17282689	6,971641	6,973909	6,994608	6,949284	6,805302	6,80004	6,9800527	6,851542	-0,12851067	0,91477531	Acyp1
17324394	8,996613	9,39501	9,143238	8,985142	9,118382	9,045832	9,178287	9,049785333	-0,12850167	0,914781017	Snord2
17211973	7,936214	8,240408	8,185671	8,017553	8,120799	7,838454	8,1207643	7,992268667	-0,12849567	0,914784822	Unc50
17397240	8,2371	8,382989	8,320848	8,217209	8,063477	8,274805	8,3136457	8,185163667	-0,128482	0,914793487	Hspa4l
17303568	9,624511	9,622672	9,62856	9,547404	9,443355	9,49955	9,6252477	9,496769667	-0,128478	0,914796024	Thoc7
17285660	5,416383	5,386605	5,330836	5,121278	5,261727	5,365404	5,3779413	5,249469667	-0,12847167	0,91480004	Zkscan4
17323576	5,444824	5,128633	5,754405	5,272483	5,366091	5,303965	5,4426207	5,314179667	-0,128441	0,914819485	Ccdc74a
17397511	6,699348	6,996041	6,846087	6,682812	6,701377	6,772018	6,8471587	6,718735667	-0,128423	0,914830899	Lhfp
17239040	6,751775	6,792369	6,550244	6,466423	6,409729	6,832968	6,6981293	6,569706667	-0,12842267	0,914831111	Ulbp1
17501574	4,071084	3,707682	4,291627	3,781138	4,087	3,816994	4,0234643	3,895044	-0,12842033	0,91483259	Nat3
17420996	5,190099	5,12557	5,333002	4,861198	5,251609	5,150615	5,2162237	5,087807333	-0,12841633	0,914835127	6330545A04Rik
17498075	4,157165	4,256265	4,452884	4,358087	4,029749	4,093265	4,2887713	4,160367	-0,12840433	0,914842736	---
17270730	7,238413	7,306387	7,180827	7,157352	7,084349	7,098765	7,2418757	7,113488667	-0,128387	0,914853728	Limd2
17265473	3,538036	3,621045	3,506346	3,406167	3,40476	3,469446	3,5551423	3,426791	-0,12835133	0,914876345	Nlrp1a
17432393	5,918894	5,835785	6,098315	5,81456	5,754726	5,898658	5,950998	5,822648	-0,12835	0,914877191	---
17518340	3,11044	3,101449	3,180571	2,819972	3,093657	3,093784	3,13082	3,002471	-0,128349	0,914877825	---
17463670	5,709258	5,805239	5,87681	5,496478	5,760933	5,74887	5,7971023	5,668760333	-0,128342	0,914882264	LOC100862607
17261231	7,48752	7,60948	7,391273	7,298203	7,421576	7,383618	7,496091	7,367799	-0,128292	0,914913972	---
17221995	4,861117	4,811715	4,885271	4,811715	4,657104	4,704458	4,852701	4,724425667	-0,12827533	0,914924541	Gm5415
17216723	3,145921	3,572626	3,370353	3,30558	3,190518	3,208034	3,3629667	3,234710667	-0,128256	0,914936802	---
17483165	6,304574	6,413333	6,409161	6,215047	6,324343	6,202962	6,3756893	6,247450667	-0,12823867	0,914947795	Hirip3
17303472	12,63426	12,56123	12,46013	12,42405	12,3892	12,45767	12,551873	12,42364	-0,12823333	0,914951177	Ptma
17388499	5,660871	5,571643	5,499127	5,529785	5,314116	5,503074	5,5772137	5,448991667	-0,128222	0,914958365	Accs
17349624	4,523933	4,385842	4,461515	4,503258	4,263869	4,219505	4,4570967	4,328877333	-0,12821933	0,914960056	4930471G03Rik
17354473	6,466757	6,829788	6,314685	6,41702	6,356459	6,45312	6,5370767	6,408866333	-0,12821033	0,914965764	C330018D20Rik
17468425	4,80665	4,856036	5,204824	4,69566	4,812057	4,975227	4,9558367	4,827648	-0,12818867	0,914979505	Gm11128
17406718	5,386982	5,246784	5,503867	5,459877	5,263396	5,029819	5,379211	5,251030667	-0,12818033	0,91498479	Bglap-rs1 // Bglap-rs1
17237596	5,689569	5,470393	5,695137	5,435037	5,672017	5,363533	5,6183663	5,490195667	-0,12817067	0,914990921	Dyrk2
17322473	5,710558	5,904578	6,092569	5,729611	5,710586	5,883047	5,9025683	5,774414667	-0,12815367	0,915001703	Zfp597 // Zfp597
17413789	9,04319	9,0573	8,934111	8,775236	8,914419	8,960527	9,0115337	8,883394	-0,12813967	0,915010582	Ncbp1
17281927	5,202997	4,987053	4,799849	5,01997	4,752436	4,833162	4,996633	4,868522667	-0,12811033	0,915029187	Kcnh5
17544625	7,096632	6,801862	7,170576	6,992025	6,837516	6,855336	7,0230233	6,894959	-0,12806433	0,915058363	---
17544627	7,096632	6,801862	7,170576	6,992025	6,837516	6,855336	7,0230233	6,894959	-0,12806433	0,915058363	---

17284522	3,203531	3,283623	2,910357	2,956084	3,058296	2,998973	3,1325037	3,004451	-0,12805267	0,915065762	---	
17236150	4,449353	4,772312	4,769297	4,790875	4,123817	4,692123	4,663654	4,535605	-0,128049	0,915068088	Ascl4	
17469917	3,388485	3,475765	3,728369	3,289136	3,689354	3,229993	3,530873	3,402827667	-0,12804533	0,915070414	---	
17533207	8,789001	9,03318	8,876984	8,801058	8,574802	8,939202	8,8997217	8,771687333	-0,12803433	0,915077391	Xk	
17284876	3,894396	4,114282	3,798627	3,602144	3,984677	3,836483	3,9357683	3,807768	-0,12800033	0,915098957	1700024F13Rik	
17345607	6,357115	5,956146	6,309355	6,104144	6,1362	5,998281	6,2075387	6,079541667	-0,127997	0,915101071	---	
17200925	6,368141	5,983921	6,288869	6,341126	6,02188	5,894231	6,2136437	6,085745667	-0,127898	0,915163869	---	
17326654	3,697176	3,379611	3,789401	3,380891	3,470396	3,631358	3,6220627	3,494215	-0,12784767	0,915195798	4930578N18Rik	
17461177	9,295124	9,474593	9,317459	9,178136	9,286351	9,239162	9,362392	9,234549667	-0,12784233	0,915199181	Ppp4r2	
17497357	4,045149	3,601201	3,400919	3,612351	3,406698	3,644765	3,682423	3,554604667	-0,12781833	0,915214406	---	
17408970	3,977149	3,774055	3,746619	3,788294	3,634059	3,692032	3,8326077	3,704795	-0,12781267	0,915218001	Olfr266	
17295386	4,72993	4,748837	4,926279	4,843172	4,585869	4,592598	4,801682	4,673879667	-0,12780233	0,915224556	Tmem171	
17208901	4,958234	5,531792	4,757092	4,848291	4,497004	5,518495	5,0823727	4,954596667	-0,127776	0,915241262	---	
17473177	8,68405	8,841356	8,722356	8,640441	8,635993	8,588037	8,749254	8,621490333	-0,12776367	0,915249086	Prpf31	
17325988	5,771093	5,387609	5,986973	5,827682	5,416874	5,517856	5,715225	5,587470667	-0,12775433	0,915255007	Abhd10	
17231780	3,066581	3,04917	2,940812	2,902466	2,864032	2,90682	3,0188543	2,891106	-0,12774833	0,915258814	---	
17260016	3,754163	3,918247	3,625031	3,64699	3,487144	3,780259	3,7658137	3,638131	-0,12768267	0,915300474	Gm11961 // Gm11961	
17330148	6,378321	6,182734	6,3243	6,07087	6,030875	6,400577	6,2951183	6,167440667	-0,12767767	0,915303646	---	
17200441	4,903936	5,42072	4,783633	4,930084	4,866759	4,928487	5,0360963	4,908443333	-0,127653	0,915319296	---	
17482669	4,487221	4,433546	4,490246	4,386773	4,392245	4,249084	4,4703377	4,342700667	-0,127637	0,915329447	Hs3st2	
17293239	8,380093	7,78306	8,188522	7,79637	7,951553	8,220857	8,117225	7,989593333	-0,12763167	0,915332831	---	
17429516	6,847748	6,918468	6,851852	6,578705	6,747644	6,908826	6,8726893	6,745058333	-0,127631	0,915333254	Dem1	
17490606	8,660097	8,875546	8,955102	8,661119	8,878556	8,568187	8,8302483	8,702620667	-0,12762767	0,915335369	Snord35b	
17352656	11,48625	11,88319	11,51922	11,5347	11,37424	11,59689	11,629553	11,50194333	-0,12761	0,915346578	Gm9386 // Gm10349 // Nutf2	
17509659	3,526254	3,671012	3,44809	3,469113	3,47719	3,316252	3,548452	3,420851667	-0,12760033	0,915352711	Trim75	
17482133	5,876294	5,468533	5,619419	5,503572	5,523694	5,554187	5,6547487	5,527151	-0,12759767	0,915354403	Tmc5	
17280275	3,05855	3,202409	2,891049	2,811846	3,029611	2,927794	3,0506693	2,923083667	-0,12758567	0,915362017	---	
17474181	7,401878	7,405748	7,443352	7,061392	7,418945	7,387965	7,4169927	7,289434	-0,12755867	0,915379148	Prkd2	
17493220	4,725183	4,675675	4,858113	4,557521	4,588793	4,729985	4,7529903	4,625433	-0,12755733	0,915379994	Ccdc81	
17494228	7,813572	7,932342	8,021959	7,650594	7,878827	7,855816	7,9226243	7,795079	-0,12754533	0,915387608	Beta-s // Hbb-b2 // Hbb-b1	
17225066	8,202997	8,107115	8,1174	8,076853	7,970251	7,997782	8,142504	8,014962	-0,127542	0,915389723	Sp140	
17226591	3,798612	3,749946	4,110956	3,635534	3,803382	3,838122	3,8865047	3,759012667	-0,127492	0,915421448	---	
17237351	3,633331	3,831272	3,66098	3,451409	3,758356	3,533356	3,7085277	3,581040333	-0,12748733	0,91542441	---	
17302490	4,027614	3,682136	4,308476	3,889908	3,968532	3,777449	4,0060753	3,878629667	-0,12744567	0,915450848	Scel	
17469627	5,73041	5,68444	5,600262	5,37801	5,608106	5,64674	5,671704	5,544285333	-0,12741867	0,915467981	Oxtr	
17493571	7,470215	7,293801	7,565886	7,00616	7,526839	7,414699	7,4433007	7,315899333	-0,12740133	0,91547898	Tsku	
17243520	4,305301	4,257514	4,34416	4,005859	4,331353	4,187564	4,302325	4,174925333	-0,12739967	0,915480038	1700025N21Rik	
17366884	7,036182	6,657485	6,271422	6,961069	6,088272	6,53357	6,6550297	6,527637	-0,12739267	0,91548448	---	
17419853	4,52178	4,311631	4,561666	4,645425	4,308889	4,058594	4,4650257	4,337636	-0,12738967	0,915486383	---	
17507148	9,467194	9,579628	9,510481	9,470753	9,29962	9,404767	9,519101	9,391713333	-0,12738767	0,915487653	Clec4g	
17222420	3,60126	3,614259	3,81987	3,62125	3,380561	3,651482	3,678463	3,551097667	-0,12736533	0,915501825	Lyg1	
17437072	8,179031	8,426785	8,323583	8,171299	8,11577	8,260349	8,3097997	8,182472667	-0,127327	0,915526151	Lyar	
17475231	6,124372	6,132023	6,330839	6,053336	5,942252	6,20967	6,1957447	6,068419333	-0,12732533	0,915527208	Tmem145	
17377989	9,125254	9,167234	9,099689	8,886218	8,967439	9,156552	9,1307257	9,003403	-0,12732267	0,9155289	Mapre1	
17459733	3,208782	3,252807	3,081503	3,152237	3,141637	2,867279	3,1810307	3,053717667	-0,127313	0,915535035	---	
17353141	6,93725	7,450066	7,877269	7,50516	6,901051	7,476563	7,4215283	7,294258	-0,12727033	0,915562112	Mir187	
17261550	6,769907	7,206922	7,028418	6,811906	6,99811	6,813464	7,001749	6,874493333	-0,12725567	0,915571419	Npm1	
17200981	7,082012	7,506121	6,897563	7,045494	7,281248	6,777193	7,1618987	7,034645	-0,12725367	0,915572689	---	
17292058	11,80579	11,63817	11,56333	11,45901	11,54367	11,62296	11,669097	11,54188	-0,12721667	0,91559617	Elovl2	
17297299	3,818847	3,941838	3,970835	3,718569	3,940401	3,690916	3,9105067	3,783295333	-0,12721133	0,915599555	B230110C06Rik	
17517544	7,743941	7,93283	7,810309	7,546815	7,827974	7,730707	7,8290267	7,701832	-0,12719467	0,915610132	Rcn2	
17306775	7,668049	7,70437	7,410356	7,472923	7,427403	7,500902	7,5942583	7,467076	-0,12718233	0,91561796	Mdp1	
17489713	6,101665	5,948197	6,01047	5,758044	6,123531	5,797219	6,0201107	5,892931333	-0,12717933	0,915619864	Lrp3	
17283556	4,021488	3,915336	4,399034	4,165556	3,897973	3,890824	4,1119527	3,984784333	-0,12716833	0,915626845	Ifi27l2b	
17202051	3,646611	4,722816	4,786681	5,121895	3,888134	3,764601	4,3853693	4,25821	-0,12715933	0,915632557	---	
17366988	5,252251	5,113652	5,335952	5,103572	5,160577	5,056275	5,2339517	5,106808	-0,12714367	0,9156425	Gm10851	
17230573	6,4952	6,584836	6,135562	6,229738	6,441448	6,163078	6,4051993	6,278088	-0,12711133	0,915663022	Enah	
17404373	6,54691	6,385839	6,267085	6,341521	6,078946	6,39811	6,3999447	6,272859	-0,12708567	0,915679312	Naaladl2	
17380263	5,214369	5,235351	5,207429	5,210895	5,006796	5,058304	5,2190497	5,091998333	-0,12705133	0,915701104	1700010B08Rik	
17259529	9,250798	8,938101	9,453786	9,12783	9,032803	9,100999	9,2142283	9,087210667	-0,12701767	0,915722473	---	
17294696	9,083618	9,085414	9,065104	8,945648	8,873781	9,033666	9,0780453	8,951031667	-0,12701367	0,915725012	Rasa1	
17252721	4,728708	4,591921	4,506545	4,637582	4,462661	4,345899	4,609058	4,482047333	-0,12701067	0,915726916	Olfr390	
17263698	8,233935	8,079016	8,152887	7,962565	8,029067	8,093186	8,1552793	8,028272667	-0,12700667	0,915729455	Gm16515	
17532660	12,17727	12,1947	12,10703	11,97316	12,05263	12,0722	12,159667	12,03266333	-0,12700333	0,915731571	---	
17481682	8,96477	9,497999	9,378422	9,168276	9,293983	8,998012	9,280397	9,153423667	-0,12697333	0,915750613	---	
17296647	6,19136	5,859822	5,881332	5,926067	5,652137	5,973413	5,9775047	5,850539	-0,12696567	0,915755479	1700110I01Rik	
17321645	8,326221	8,491571	8,39825	8,269836	8,25651	8,308799	8,4053473	8,278381667	-0,12696567	0,915755479	Lima1	
17313895	7,144602	7,200385	7,020054	6,95863	7,024634	7,000901	7,1216803	6,994721667	-0,12695867	0,915759923	Gtse1	
17484103	8,177315	8,085983	8,484067	8,217152	8,308135	7,841276	8,2491217	8,122187667	-0,126934	0,91577558	---	
17475226	4,650073	4,587349	4,534085	4,493505	4,372231	4,524976	4,5905023	4,463570667	-0,12693167	0,915777061	Prr19	
17542021	7,222603	7,584421	7,081882	7,207324	7,117384	7,183438	7,296302	7,169382	-0,12692	0,915784467	Mir505	
17302345	3,33117	3,429384	3,563618	3,293631	3,253951	3,395885	3,4413907	3,314489	-0,12690167	0,915796104	---	
17467011	4,874093	4,577484	4,687178	4,787467	4,68158	4,289062	4,7129183	4,586036333	-0,126882	0,915808589	Plekha8 // Plekha8	
17414855	4,174133	4,180336	4,347402	4,156195	3,958529	4,206519	4,233957	4,107081	-0,126876	0,915812397	---	
17429896	8,323753	8,429596	8,520377	8,284667	8,233049	8,375484	8,4245753	8,297733333	-0,126842	0,915833981	Cdca8	
17285654	5,656795	5,603462	5,682105	5,453603	5,506998	5,601282	5,647454	5,520627667	-0,12682633	0,915843926	Zfp187 // Zfp187	
17238890	6,47724	6,524127	6,768738	6,57492	6,701293	6,113459	6,590035	6,463224	-0,126811	0,91585366	Syne1	
17520422	4,056991	4,232599	3,894684	4,066811	3,922443	3,814828	4,0614247	3,934694	-0,12673067	0,915904659	---	
17393264	5,228312	4,967936	5,433827	5,196895	4,821868	5,231259	5,210025	5,083340667	-0,12668433	0,915934074	Ggt7	
17292026	5,269228	4,977567	5,196878	4,941433	5,057391	5,064801	5,147891	5,021208333	-0,12668267	0,915935132	Gcnt2 // Gcnt2	
17221756	8,398792	8,570171	8,511642	8,302286	8,331877	8,466675	8,493535	8,366946	-0,126589	0,915994601	Ogfrl1	
17202487	3,39639	4,155162	3,876495	3,709102	4,081881	3,257326	3,809349	3,682769667	-0,12657933	0,916000739	---	
17324733	6,789931	6,790361	6,562253	6,621118	6,670701	6,471033	6,7141817	6,587617333	-0,12656433	0,916010262	1500031L02Rik	
17534142	7,656154	7,661963	7,596814	7,458876	7,556176	7,520198	7,6383103	7,51175	-0,12656033	0,916012802	Nkap	
17205487	6,917134	6,834121	6,926468	6,566445	6,696112	7,035522	6,8925743	6,766026333	-0,126548	0,916020633	---	
17430475	6,692199	6,720978	6,978776	6,700137	6,651992	6,660194	6,7973177	6,670774333	-0,12654333	0,916023596	Ccdc28b	
17247562	8,064833	8,248094	8,074818	7,968813	8,049335	7,990093	8,1292483	8,002747	-0,12650133	0,916050264	Vps54	
17336929	5,58219	5,740664	5,808016	5,480873	5,727076	5,543456	5,71029	5,583801667	-0,12648833	0,916058518	Ly6g6e	
17329833	7,633182	7,914606	7,631224	7,454343	7,707181	7,638059	7,7263373	7,599861	-0,12647633	0,916066138	Fbxo45	
17328000	10,14361	10,38219	10,22191	10,08643	10,10417	10,17772	10,249237	10,12277333	-0,12646333	0,916074393	Usp7	
17304294	5,034351	5,217534	5,270449	5,123162	5,013922	5,005989	5,1741113	5,047691	-0,12642033	0,916101697	---	
17401545	5,27751	4,783546	4,985878	4,991546	4,808709	4,867425	5,0156447	4,889226667	-0,126418	0,916103179	Kcna10	
17509527	4,36938	4,512843	4,982358	4,437763	4,55451	4,493111	4,621527	4,495128	-0,126399	0,916115244	---	
17327907	3,662876	3,153102	3,420982	3,286048	3,250371	3,321386	3,41232	3,285935	-0,126385	0,916124134	---	
17224724	5,306166	5,725978	5,385358	5,160594	5,3907	5,487113	5,4725007	5,346135667	-0,126365	0,916136834	BC035947 // BC035947	
17537643	5,856586	5,613644	5,782756	5,666101	5,594306	5,613556	5,7509953	5,624654333	-0,126341	0,916152074	Tmem35	
17239470	3,820005	3,123178	3,573308	3,694432	3,694432	2,748616	3,505497	3,37916	-0,126337	0,916154615	---	
17404337	8,705015	8,420052	8,744146	8,407601	8,359567	8,723085	8,623071	8,496751	-0,12632	0,91616541	Cpa3	
17487898	6,224124	6,11485	5,974164	6,014194	5,586986	6,333063	6,1043793	5,978081	-0,12629833	0,916179169	Erf	
17343521	4,447785	4,451098	4,623238	4,530801	4,304264	4,308199	4,5073737	4,381088	-0,12628567	0,916187213	Cyp4f41-ps	
17262823	4,34334	4,069501	4,209295	4,104524	4,151659	3,987097	4,2073787	4,081093333	-0,12628533	0,916187425	Il3	
17212199	6,25957	6,751803	6,425791	6,550734	6,214411	6,293199	6,4790547	6,352781333	-0,12627333	0,916195046	Il1rl2	
17542546	7,88681	7,789165	7,797398	7,847813	7,394093	7,852664	7,8244577	7,69819	-0,12626767	0,916198644	Irak1	
17458403	5,821864	5,064688	5,633526	5,437681	5,357445	5,346159	5,5066927	5,380428333	-0,12626433	0,916200761	---	
17240365	10,45815	10,62471	10,49925	10,32152	10,38628	10,49554	10,52737	10,40111333	-0,12625667	0,91620563	Amd1	
17204141	3,466491	4,140587	3,321247	3,563029	3,538371	3,448301	3,642775	3,516567	-0,126208	0,916236537	---	
17504727	6,853215	6,998275	6,837018	6,671294	6,819921	6,818712	6,8961693	6,769975667	-0,12619367	0,91624564	Elmo3	
17431951	6,518014	6,373419	6,632652	6,352438	6,46358	6,329518	6,5080283	6,381845333	-0,126183	0,916252414	---	
17539818	3,939316	3,728077	3,987996	3,91261	3,757524	3,606748	3,8851297	3,758960667	-0,126159	0,916261306	Mir500	
17206319	4,117683	4,171628	4,21153	3,90729	3,892104	4,322969	4,166947	4,040787667	-0,12615933	0,916267445	---	
17202505	7,501257	7,611894	7,560105	7,711308	7,18232	7,401209	7,557752	7,431612333	-0,12613967	0,916279936	---	
17269464	7,44224	7,359582	7,494248	7,254405	7,407783	7,255486	7,4320233	7,305891333	-0,126132	0,916284805	Jup	
17420108	5,850912	5,612469	5,880608	5,68614	5,502048	5,777589	5,7813297	5,655259	-0,12607067	0,91632376	9130020K20Rik	
17354681	6,386191	5,935222	5,944619	5,967831	5,952993	5,96701	6,0886773	5,962611333	-0,126066	0,916326724	Slc6a7	
17434061	8,412302	8,597168	8,729256	8,2524	8,521709	8,586443	8,5795753	8,453517333	-0,126058	0,916331805	Samd11	
17449593	5,027089	5,027351	4,799121	4,979366	4,845335	4,65088	4,951187	4,825193667	-0,12599333	0,916372879	1700063O14Rik	
17449931	6,212049	5,917262	6,233419	6,356465	5,863185	5,765116	6,12091	5,994922	-0,125988	0,916376267	Naa11	
17512221	8,143362	7,801745	7,870465	7,809207	7,862877	7,765584	7,938524	7,812556	-0,125968	0,916388971	Cmtm4	
17350996	5,953242	6,009867	5,781649	5,851866	5,886313	5,628753	5,9149193	5,788977333	-0,125942	0,916405486	Arsi	
17260747	5,288243	5,898751	5,797727	5,577858	5,43262	5,596432	5,6615737	5,535636667	-0,125937	0,916408662	2810442I21Rik	
17240164	7,936491	8,111237	7,940721	7,721357	8,013955	7,875342	7,9961497	7,870218	-0,12593167	0,91641205	Rwdd1	
17209175	5,349697	5,183246	5,274271	5,41849	4,573522	5,437458	5,2690713	5,143156667	-0,12591467	0,916422848	---	
17370073	4,832969	5,018688	5,037438	4,871347	4,8512	4,788809	4,9630317	4,837118667	-0,125913	0,916423907	---	
17476864	11,8961	11,63725	11,97452	11,71787	11,72265	11,68962	11,835957	11,71004667	-0,12591	0,916425813	---	
17407905	8,155511	8,247383	8,31341	7,965709	8,2516	8,121299	8,238768	8,112869333	-0,12589867	0,916433012	Prpf3	
17207125	7,412972	7,120252	6,801771	7,40553	6,818414	6,733366	7,111665	6,98577	-0,125895	0,916435341	---	
17226489	5,447548	5,471941	5,471609	5,276749	5,357687	5,378993	5,4636993	5,337809667	-0,12588967	0,916438729	Ysk4	
17278290	6,664862	7,161863	6,976053	6,631505	6,80537	6,988253	6,9342593	6,808376	-0,12588333	0,916442752	Serpina3h	
17243544	5,162793	5,342706	5,625571	5,045114	5,555253	5,15317	5,3770233	5,251179	-0,12584433	0,916467526	Aldh1l2	
17502976	7,761168	7,85389	7,788074	7,631942	7,751049	7,642666	7,801044	7,675219	-0,125825	0,916479808	Ddx39	
17525198	5,765921	5,784743	5,720011	5,651781	5,648957	5,592715	5,7568917	5,631151	-0,12574067	0,916533382	Ntm	
17305111	3,567484	3,442742	3,35205	3,374723	3,263179	3,347174	3,454092	3,328358667	-0,12573333	0,916538041	---	
17307255	3,884958	3,51091	3,450246	3,49004	3,518367	3,460674	3,6153713	3,489693667	-0,12567767	0,916573407	Gm5142	
17449866	6,057007	5,85496	6,09148	5,978728	5,777841	5,869889	6,001149	5,875486	-0,125663	0,916582725	A430089I19Rik	

17458630	5,071854	4,944343	4,996973	4,916729	4,870416	4,849068	5,00439	4,878737667	-0,12565233	0,916589502	Evx1	
17447093	8,058295	8,059121	8,137864	7,820185	8,217195	7,840954	8,0850933	7,959444667	-0,12564867	0,916591831	---	
17258736	4,514182	4,502373	4,663154	4,51288	4,650369	4,139529	4,559903	4,434259333	-0,12564367	0,916595008	---	
17550454	6,797485	7,155497	6,981696	6,919044	6,966727	6,671999	6,978226	6,85259	-0,125636	0,916599879	---	
17521175	6,002711	5,950116	5,827045	5,875741	5,721606	5,805685	5,926624	5,801010667	-0,12561333	0,91661428	4930500F10Rik	
17377471	4,182047	3,957272	4,590207	4,078816	4,272688	4,001244	4,2431753	4,117582667	-0,12559267	0,916627411	Gm14123	
17415771	6,479483	6,27702	6,745208	6,356182	6,446942	6,321889	6,5005703	6,375004333	-0,125566	0,916644354	---	
17200507	5,082003	5,312913	4,650684	5,116135	4,842243	4,710524	5,0152	4,889634	-0,125566	0,916644354	---	
17223863	10,82429	10,69675	10,70116	10,63173	10,49146	10,72234	10,740733	10,61517667	-0,12555667	0,916650284	Idh1	
17503926	4,005208	4,086408	4,537863	4,130349	3,955553	4,166939	4,2098263	4,084280333	-0,125546	0,916657061	Mt4	
17275637	4,357888	3,836515	3,941362	3,910425	3,844445	4,004278	4,045255	3,919716	-0,125539	0,916661509	Gm20016	
17463542	5,489846	5,281229	5,386325	5,116554	5,33406	5,330177	5,3858	5,260263667	-0,12553633	0,916663203	D630042F21Rik	
17493116	7,502015	7,333215	7,568069	7,437539	6,991012	7,598139	7,4677663	7,34223	-0,12553633	0,916663203	Olfr310	
17474547	5,706649	5,673746	5,643611	5,903278	5,899576	4,844551	5,6746687	5,549135	-0,12553367	0,916664897	Rtn2	
17283930	8,068308	8,239529	8,171144	7,896052	8,19046	8,015872	8,1596603	8,034128	-0,12553233	0,916665745	Wars	
17389313	3,89909	4,368628	3,546516	3,825138	4,246804	3,365698	3,938078	3,812546667	-0,12553133	0,91666638	Olfr1316	
17322337	7,090634	7,317271	7,420438	7,157822	7,163972	7,129979	7,2761143	7,150591	-0,12552333	0,916671463	Nfe2	
17468602	4,42464	4,297707	4,473855	4,414748	4,163411	4,241502	4,398734	4,273220333	-0,12551367	0,916677605	Gkn3	
17232731	7,569426	7,85579	7,947262	7,510787	7,864842	7,62041	7,790826	7,665346333	-0,12547967	0,916699209	Rnu3a // Rnu3a	
17419799	10,52471	10,69558	10,69729	10,39616	10,59103	10,55415	10,639193	10,51378	-0,12541333	0,916741358	Rhd	
17251719	3,732962	3,606872	3,51144	3,559674	3,471217	3,444165	3,6170913	3,491685333	-0,125406	0,916746018	Mir1934	
17201267	4,40684	4,922025	4,25403	3,945247	4,928179	4,333257	4,5276317	4,402227667	-0,125404	0,916747289	---	
17344963	4,742695	4,765417	4,676875	4,819461	4,654649	4,334681	4,728329	4,602930333	-0,12539867	0,916750678	Crisp2	
17506846	7,308065	7,470593	7,307697	7,132193	7,269679	7,3083	7,3621183	7,236724	-0,12539433	0,916753432	Gm505	
17445615	4,324862	4,603731	4,178463	4,176775	4,357576	4,196574	4,3690187	4,243641667	-0,125377	0,916764446	1700003C15Rik // 1700003C15Rik // 170	
17296528	6,204652	6,210178	6,390459	6,163881	6,158298	6,107098	6,2684297	6,143092333	-0,12533733	0,916789653	Gm7120	
17267695	4,939297	4,389699	4,71967	4,372474	4,632272	4,667944	4,6828887	4,557563333	-0,12532533	0,916797279	---	
17362579	4,506127	4,741604	4,708955	4,610637	4,558342	4,411753	4,6522287	4,526910667	-0,125318	0,916801939	Best1	
17485339	8,140732	8,031449	7,783503	7,853754	7,709311	8,016799	7,985228	7,859954667	-0,12527333	0,916830324	Slc22a18	
17406027	6,804586	6,237973	6,370858	6,264175	6,473249	6,300231	6,471139	6,345885	-0,125254	0,91684261	---	
17242760	9,089679	9,213066	9,373851	9,102575	9,12642	9,07184	9,225532	9,100278333	-0,12525367	0,916842822	ORF61	
17434653	3,346399	3,146462	3,228605	3,105727	3,128506	3,11151	3,2404887	3,115247667	-0,125241	0,916850872	Mir879	
17206153	3,36796	3,439821	3,081503	3,132662	3,317955	3,06307	3,296428	3,171229	-0,125199	0,916877564	---	
17365270	4,008063	4,082036	4,293959	4,027511	3,886882	4,094134	4,1280193	4,002842333	-0,125177	0,916891546	Kcnip2	
17495452	3,239034	3,111026	2,878933	2,997559	3,066875	2,789093	3,076331	2,951175667	-0,12515533	0,916905316	---	
17232843	6,529342	6,506543	6,289363	6,219045	6,126911	6,603874	6,4417493	6,31661	-0,12513933	0,916915485	Zbtb24	
17418279	9,359824	9,289105	9,257427	9,113098	9,214733	9,203209	9,3021187	9,177013333	-0,12510533	0,916937094	Sf3a3	
17231281	3,997135	3,788127	3,955982	3,679756	3,892492	3,793687	3,913748	3,788645	-0,125103	0,916938577	Cd34	
17456798	3,203872	2,986644	3,784867	3,018262	3,406698	3,175129	3,3251277	3,200029667	-0,125098	0,916941755	---	
17200587	4,743263	5,562332	5,029489	5,206611	5,436769	4,31645	5,1116947	4,98661	-0,12508467	0,916950229	---	
17302773	9,883961	10,0797	9,969069	9,769636	9,926979	9,860867	9,9775767	9,852494	-0,12508267	0,9169515	Ipo5	
17468222	6,068815	5,856849	6,206287	5,688008	6,011727	6,057131	6,0439837	5,918955333	-0,12502833	0,916986034	Cd207	
17270453	4,596788	4,856316	5,263696	4,851172	4,904493	4,58609	4,9056	4,780585	-0,125015	0,916994509	Map3k14	
17306864	10,34625	10,59069	10,22309	10,25604	10,30376	10,22519	10,386677	10,26166333	-0,12501333	0,916995568	---	
17217283	9,608877	9,439332	9,587626	9,457048	9,378593	9,425162	9,5452783	9,420267667	-0,12501067	0,916997263	Ppp1r15b	
17342719	5,915839	6,276003	6,011846	5,862728	5,951588	6,014369	6,067896	5,942895	-0,125001	0,917003408	Grm4	
17306201	10,39989	10,49163	10,34922	10,22303	10,30265	10,34007	10,41358	10,28858333	-0,12499667	0,917006162	Supt16h	
17202609	4,022102	4,558475	3,863241	3,733645	4,117329	4,21788	4,1479393	4,022951333	-0,124988	0,917011671	---	
17457758	4,393472	4,198904	4,548605	4,012839	4,540878	4,212314	4,380327	4,255343667	-0,12498333	0,917014637	Prss1	
17262172	3,160854	2,943625	3,218074	3,064555	2,993533	2,889591	3,1075177	2,982559667	-0,124958	0,91703074	---	
17476557	5,779483	5,694544	6,492961	5,6717	5,928979	5,991454	5,988996	5,864044333	-0,12495167	0,917034765	Krtdap	
17534593	7,376015	7,174172	7,606263	7,34085	7,241507	7,199239	7,3854833	7,260532	-0,12495133	0,917034977	Bcorl1	
17377857	6,513347	6,319377	6,350078	6,429626	6,087806	6,290524	6,3942673	6,269318667	-0,12494867	0,917036672	BC020535	
17397801	10,3869	10,45914	10,43011	10,25261	10,36448	10,28427	10,425383	10,30045333	-0,12493	0,917048538	2810407C02Rik	
17288225	4,756735	4,479433	3,732137	4,677404	4,053538	3,862631	4,3227683	4,197857667	-0,12491067	0,917060827	Zfp640 // Zfp640	
17209035	4,431314	4,405938	4,820879	4,678529	4,086068	4,518825	4,5527103	4,427807333	-0,124903	0,9170657	---	
17334045	3,152567	3,357135	3,107079	3,207199	2,829569	3,205316	3,2055937	3,080694667	-0,124899	0,917068243	Vmn2r115	
17299834	3,908327	3,737936	4,132339	4,051082	3,523557	3,829384	3,9262007	3,801341	-0,12485967	0,917093246	---	
17549230	4,500129	3,788274	4,531315	4,152839	4,08776	4,204572	4,2732393	4,148390333	-0,124849	0,917100027	---	
17372979	5,156323	5,2879	5,317957	5,074533	5,128349	5,184757	5,25406	5,129213	-0,124847	0,917101298	---	
17342182	6,55553	6,486318	6,635086	6,47592	6,375028	6,451464	6,558978	6,434137333	-0,12484067	0,917105324	Baiap3	
17472063	9,772451	9,899445	9,741003	9,798423	9,605549	9,634474	9,8042997	9,679482	-0,12481767	0,917119945	Hebp1	
17487031	3,381197	3,567973	3,41997	3,259932	3,447098	3,287717	3,45638	3,331582333	-0,12479767	0,917132659	---	
17458734	6,838691	6,721686	6,685359	6,571692	6,694894	6,604774	6,7485787	6,623786667	-0,124792	0,917136261	Plekha8	
17525482	3,651848	3,40663	3,3582	3,198162	3,436506	3,407648	3,472226	3,347438667	-0,12478733	0,917139228	Gm5615	
17248831	4,007758	3,718802	3,582656	3,438155	3,666592	3,830136	3,7697387	3,644961	-0,12477767	0,917145373	Gm12171	
17200185	6,116903	6,161904	6,444081	5,878943	6,030032	6,439626	6,2409627	6,116200333	-0,12476233	0,917155121	---	
17267520	8,049475	8,35233	8,441293	7,922437	8,307837	8,238574	8,2810327	8,156282667	-0,12475	0,917162962	Epx	
17551157	4,683632	4,698493	4,877244	4,494716	4,682267	4,708188	4,753123	4,628390333	-0,12473267	0,917173981	---	
17378524	5,74858	5,465042	5,642182	5,305309	5,6713	5,505017	5,6186013	5,493875333	-0,124726	0,917178219	Spag4	
17374514	4,849961	4,771492	5,158733	4,784831	4,664426	4,956751	4,9267287	4,802002667	-0,124726	0,917178219	1700054M17Rik	
17408131	4,997077	5,157413	5,243306	5,087842	4,893586	5,042294	5,1325987	5,007907333	-0,12469133	0,917200259	4930442L01Rik	
17549342	11,57119	11,39807	11,03574	11,09115	10,95597	11,58382	11,335	11,21031333	-0,12468667	0,917203225	---	
17333846	3,569307	3,372462	3,259178	3,262511	3,223835	3,340545	3,4003157	3,275630333	-0,12468533	0,917204073	Vmn1r226	
17332734	4,95313	5,150319	5,37422	4,969758	5,083235	5,050621	5,159223	5,034538	-0,124685	0,917204285	Gm19404	
17481163	5,138768	4,839736	4,877737	5,082081	4,675371	4,724897	4,9520803	4,827449667	-0,12463067	0,917238828	Olfr574	
17338599	4,675832	4,854508	5,057837	4,632812	4,832878	4,748622	4,8627257	4,738104	-0,12462167	0,917244551	St6gal2	
17204189	3,86084	3,584832	3,925552	3,792424	3,612777	3,592182	3,790408	3,665794333	-0,12461367	0,917249637	---	
17261865	9,711077	9,712611	9,578193	9,477132	9,612379	9,53862	9,6672937	9,542710333	-0,12458333	0,917268923	Ccng1	
17266516	9,658829	9,510496	9,441642	9,23949	9,636377	9,361378	9,536989	9,412415	-0,124574	0,917274857	Fam58b	
17345066	4,456035	4,845208	4,859089	4,572901	4,60321	4,610535	4,7201107	4,595548667	-0,124562	0,917282486	Mep1a	
17538846	3,0202	2,775883	2,898663	2,787537	2,788613	2,744958	2,8982487	2,773702667	-0,124546	0,91729266	Mirlet7f-2	
17538847	3,0202	2,775883	2,898663	2,787537	2,788613	2,744958	2,8982487	2,773702667	-0,124546	0,91729266	---	
17332117	3,786544	3,830667	4,110368	3,567592	3,944883	3,841472	3,909193	3,784649	-0,124544	0,917293931	---	
17307337	7,473244	7,484648	7,325666	7,132671	7,376774	7,400573	7,4278527	7,303339333	-0,12451333	0,91731343	Cdadc1	
17266424	5,412778	5,480187	5,730566	5,270637	5,408625	5,570736	5,541177	5,416666	-0,124511	0,917314913	Foxn1	
17285672	2,960505	2,971244	3,257675	2,992066	2,805593	3,018263	3,0631413	2,938640667	-0,12450067	0,917321484	---	
17492847	10,08419	10,16556	9,979267	9,941385	9,878254	10,03595	10,076339	9,951863	-0,124476	0,917337168	Btbd1	
17365471	6,399531	6,145945	6,413116	6,146362	6,11573	6,323165	6,3195307	6,195085667	-0,124445	0,917356879	Calhm1	
17545947	6,857787	6,933198	7,065512	6,938487	6,529157	7,015567	6,9521657	6,827737	-0,12442867	0,917367265	Siah1b	
17206225	4,029337	4,094774	3,237874	3,363209	3,364512	4,26101	3,7873283	3,662910333	-0,124418	0,917374048	---	
17291122	8,185374	8,326197	8,001132	8,060039	8,040329	8,03912	8,170901	8,046496	-0,124405	0,917382314	Zfp322a	
17542074	2,996602	2,931836	3,05592	2,818858	2,896417	2,895926	2,994786	2,870400333	-0,12438567	0,917394608	Mir741	
17521043	4,271008	4,204072	4,150944	4,127497	4,02936	4,096032	4,2086747	4,084296333	-0,12437833	0,917399271	Cpne4	
17328411	9,03348	9,071207	8,952316	8,848043	8,927674	8,908252	9,019001	8,894656333	-0,12434467	0,91742068	0610037P05Rik	
17441337	4,16973	4,246247	4,081704	4,091333	3,942789	4,090542	4,1658937	4,041554667	-0,124339	0,917424283	---	
17277039	3,700402	4,061806	4,008311	4,071256	3,542345	3,783916	3,9235063	3,799172333	-0,124334	0,917427463	---	
17265329	7,55382	7,73541	7,443039	7,224604	7,660542	7,474234	7,577423	7,453126667	-0,12429633	0,917451416	Spag7	
17244244	7,766263	7,822174	8,254099	7,772121	7,793348	7,90418	7,947512	7,823216333	-0,12429567	0,91745184	Nedd1	
17308888	8,15023	8,402395	8,046334	7,892628	8,154126	8,179431	8,199653	8,075395	-0,124258	0,917475794	Naa16	
17422302	7,352953	7,722605	7,571673	7,192914	7,532411	7,54929	7,549077	7,424871667	-0,12420533	0,917509287	Lrrc47	
17321618	3,527338	3,293744	3,209612	3,465991	3,040581	3,15153	3,3435647	3,219367333	-0,12419733	0,917514375	---	
17479198	4,479865	3,978265	4,176284	4,235177	3,885424	4,141273	4,2114713	4,087291333	-0,12418	0,917525399	---	
17550789	4,012974	4,022657	4,331486	4,000248	4,018025	3,97632	4,1223723	3,998197667	-0,12417467	0,917528791	---	
17332315	4,281404	3,939172	4,020691	4,251935	3,865031	3,751782	4,0804223	3,956249333	-0,124173	0,917529851	---	
17464205	5,089535	4,437804	5,007598	4,725934	4,76318	4,673374	4,844979	4,720829333	-0,12414967	0,91754469	---	
17439541	4,667994	4,322206	4,294253	4,372544	4,211919	4,327592	4,428151	4,304018333	-0,12413267	0,917555502	---	
17207979	4,071876	4,516574	3,414383	4,152071	3,793024	3,685369	4,0009443	3,876821333	-0,124123	0,91756165	---	
17348688	5,305025	4,983297	4,983016	5,013851	4,892656	4,992472	5,090446	4,966326333	-0,12411967	0,917563377	1700001G01Rik	
17200091	3,575398	2,935287	3,430856	3,255168	3,179672	3,134619	3,313847	3,189819667	-0,12402733	0,91762497	---	
17405627	3,251773	3,518827	3,532468	3,430012	3,38167	3,119307	3,434356	3,310329667	-0,12402633	0,917623133	Vmn2r5	
17345951	5,183626	5,543834	5,610282	5,462895	5,201113	5,30172	5,445914	5,321909333	-0,12400467	0,917636914	Gm5094 // Gm5094	
17201219	9,526843	9,419049	9,172151	8,706896	9,530935	9,508208	9,372681	9,248679667	-0,12400133	0,917639034	---	
17445394	4,397971	4,839987	4,633126	4,5683	4,456182	4,474616	4,6236947	4,499699333	-0,12399533	0,917642851	A330021E22Rik	
17503536	5,371338	5,338356	5,44309	5,230002	5,157948	5,392948	5,3842613	5,260299333	-0,123962	0,917664053	Gm2694	
17376480	9,645939	9,530774	9,546752	9,322106	9,537261	9,492254	9,5744883	9,450540333	-0,123948	0,917672958	Mavs	
17548928	8,327417	8,546782	8,326248	8,216407	8,383986	8,228218	8,400149	8,276203667	-0,12394533	0,917674654	Zfp330 // Zfp330	
17387662	3,206155	3,273775	3,399464	3,145957	3,090683	3,270946	3,2931313	3,169195333	-0,123936	0,917680591	Olfr1054	
17320064	6,117027	5,451381	5,907963	5,780649	5,753067	5,570858	5,825457	5,701524667	-0,12393233	0,917682923	Gm19277	
17535503	3,162655	3,761866	3,477506	3,180278	3,38239	3,46757	3,4673423	3,343412667	-0,12392967	0,91768462	Xlr3b	
17487664	2,95362	3,353489	3,084666	2,946405	3,128417	2,945263	3,1305917	3,006695	-0,12389667	0,917705611	Vmn1r167	
17406454	4,839804	4,683425	4,966399	4,729309	4,543581	4,845067	4,829876	4,705985667	-0,12389033	0,917709639	---	
17549384	5,295447	5,002259	5,195575	5,077774	5,143924	4,899972	5,164427	5,040556667	-0,12387033	0,917722362	---	
17549768	5,295447	5,002259	5,195575	5,077774	5,143924	4,899972	5,164427	5,040556667	-0,12387033	0,917722362	---	
17367438	3,457742	3,308892	3,738414	3,473831	3,302649	3,356975	3,5016827	3,377818333	-0,12386433	0,917726178	---	
17322979	5,981552	6,171599	6,008812	5,955123	5,790024	6,045242	6,0539877	5,930129667	-0,123858	0,917730207	Gm9961	
17338059	6,326072	5,967479	6,269473	6,127555	6,102749	5,961163	6,1876747	6,063822333	-0,12385233	0,917733812	Gm88	
17396095	3,352242	3,648285	3,20937	3,362276	2,956524	3,519636	3,403299	3,279478667	-0,12382033	0,917754168	---	
17238836	3,530565	3,423191	4,051492	3,73272	3,335741	3,565351	3,668416	3,544604	-0,123812	0,917759469	Syne1	
17250093	5,072797	5,37665	5,608396	4,914769	5,303935	5,46773	5,3526143	5,228811333	-0,123803	0,917765195	Olfr320	
17521652	8,373885	8,235856	8,331628	8,358793	8,143991	8,067182	8,3137897	8,189988667	-0,123801	0,917766467	Nicn1	
17305947	3,003517	2,939525	2,761565	2,893503	2,837708	2,601993	2,9015357	2,777734667	-0,123801	0,917766467	Olfr732	
17420820	5,723317	5,120702	5,71158	5,857812	4,990265	5,336124	5,518533	5,394733667	-0,12379933	0,917767527	---	
17260369	6,83153	6,896594	7,016573	6,662855	6,943433	6,767082	6,914899	6,791123333	-0,12377567	0,917782583	Myo1g	

17263189	5,03616	4,595573	5,063349	4,860472	4,829459	4,633849	4,8983607	4,774593333	-0,12376733	0,917787884	Olfr317
17402410	4,777043	3,907852	4,204078	4,252634	4,240915	4,024131	4,2963243	4,17256	-0,12376433	0,917789793	---
17297114	3,526658	3,436548	3,693642	3,517847	3,318556	3,449158	3,5522827	3,428520333	-0,12376233	0,917791065	---
17430628	4,936222	5,347946	5,174348	5,016714	5,003871	5,06669	5,1528387	5,029091667	-0,123747	0,917800819	Fabp3
17331589	7,082319	7,236114	7,28309	7,133276	7,024765	7,072248	7,2005077	7,076763	-0,12374467	0,917802304	Btg3
17331882	4,091334	3,886465	4,158662	3,705357	3,899273	4,160613	4,045487	3,921747667	-0,12373933	0,917805697	Krtap16-10b
17274744	5,701342	5,718606	5,921685	5,540499	5,800153	5,629831	5,7805443	5,656827667	-0,12371667	0,917820117	Fam150b
17293721	5,369158	5,398128	5,66475	5,46564	5,144297	5,450968	5,4773453	5,353635	-0,12371033	0,917824146	Cntnap3
17222321	4,160792	4,085966	3,776113	3,908224	3,807545	3,936004	4,0076237	3,883924333	-0,12369933	0,917831144	---
17419741	5,977345	5,84886	5,99196	5,927618	5,77087	5,748721	5,9393883	5,815736333	-0,123652	0,917861258	Slc30a2
17326783	3,902342	3,804767	3,889035	3,886397	3,528753	3,810044	3,8653813	3,741731333	-0,12365	0,91786253	4930553E22Rik // 4930553E22Rik
17402097	5,843534	5,437208	5,924268	5,698714	5,529988	5,605389	5,7350033	5,611363667	-0,12363967	0,917869104	---
17365990	3,479658	3,486678	3,638083	3,437594	3,312272	3,483674	3,5348063	3,41118	-0,12362633	0,917877587	---
17303079	3,526217	3,490137	3,071501	3,266247	3,055971	3,394789	3,3626183	3,239002333	-0,123616	0,917884162	Gm6337
17205031	4,200747	3,867862	4,273844	4,126776	4,159054	3,685784	4,114151	3,990538	-0,123613	0,91788607	---
17209221	4,200747	3,867862	4,273844	4,126776	4,159054	3,685784	4,114151	3,990538	-0,123613	0,91788607	---
17489917	3,910986	3,387941	3,339732	3,423074	3,469141	3,375618	3,5462197	3,422611	-0,12360867	0,917888827	Gm6818
17491699	6,415414	5,766941	6,44822	5,962325	6,167157	6,130338	6,2101917	6,086606667	-0,123585	0,917903885	Mir344d-2
17325761	9,979249	10,02424	9,906165	9,87308	9,817085	9,848771	9,9698847	9,846312	-0,12357267	0,917911732	Naa50
17514093	8,37214	8,534983	8,358776	8,275743	8,265228	8,35433	8,4219663	8,298433667	-0,12353267	0,917937182	Ttc13
17238002	8,633303	8,50561	8,48596	8,385464	8,410123	8,458715	8,5416243	8,418100667	-0,12352367	0,917942909	R3hdm2
17221230	9,333577	9,835163	9,738974	9,54565	9,703076	9,288532	9,6359047	9,512419333	-0,12348533	0,917967299	---
17459014	9,851614	9,953394	9,711395	9,619825	9,69434	9,831974	9,838801	9,715379667	-0,12342133	0,918008023	Abcg2
17406657	4,360075	4,970944	4,776006	4,869746	4,123647	4,743376	4,7023417	4,578923	-0,12341867	0,918009719	---
17477101	7,356382	7,348019	7,479204	7,336527	7,239802	7,237189	7,394535	7,271172667	-0,12336233	0,918045566	Nkg7
17262600	6,295694	6,331808	6,403808	6,181927	6,193444	6,285906	6,34377	6,220425667	-0,12334433	0,91805702	Tcf7
17523633	4,40459	4,237818	4,386073	4,323033	4,143979	4,19149	4,342827	4,219500667	-0,12332633	0,918068474	Ccr9
17510715	12,59752	12,80513	12,61288	12,49867	12,49636	12,65056	12,671843	12,54853	-0,12331333	0,91807674	---
17202689	3,136523	2,870814	2,787253	3,002147	2,757736	2,664796	2,93153	2,808226333	-0,12330367	0,91808299	---
17309024	5,206764	5,037148	5,009142	5,023704	4,943027	4,916421	5,0843513	4,961050667	-0,12330067	0,918084808	Klhl1
17263379	8,567745	8,561299	8,477054	8,247859	8,529119	8,459282	8,535366	8,412086667	-0,12327933	0,918098384	Arf1
17428251	4,451313	4,407366	4,264602	4,158353	4,309779	4,285404	4,374427	4,251178667	-0,12324833	0,918118112	---
17309001	5,276746	5,025557	4,988922	5,043158	5,218792	4,659562	5,097075	4,973837333	-0,12323767	0,9181249	Pcdh20
17379395	4,145962	4,085978	4,229443	4,024031	4,136896	3,930755	4,1537943	4,030560667	-0,12323367	0,918127445	Svs5
17200697	5,840397	6,301009	5,986218	5,941826	6,027605	5,788525	6,0425413	5,919318667	-0,12322267	0,918134446	---
17396439	6,324554	6,05308	5,962348	5,983248	6,093348	5,893751	6,1133273	5,990115667	-0,12321167	0,918141446	Tnik
17341508	6,432549	6,342853	6,3066	6,362159	6,244833	6,105454	6,3606673	6,237482	-0,12318533	0,918158205	Mmp25
17494162	8,507867	8,000309	8,624675	8,298046	8,323035	8,142219	8,377617	8,254433333	-0,12318367	0,918159266	Dub2a
17246803	5,56724	5,813579	5,55262	5,536383	5,4859	5,541615	5,6444797	5,521299333	-0,12318033	0,918161387	Osm
17542573	6,937353	6,992246	6,951198	6,720438	6,850444	6,940384	6,9602657	6,837088667	-0,123177	0,918163509	Mecp2
17210043	5,779521	6,592791	6,234483	6,330696	6,275842	5,630729	6,202265	6,079089	-0,123176	0,918164145	---
17390823	7,418223	7,461577	7,32107	7,286138	7,175143	7,370133	7,40029	7,277138	-0,123152	0,918179419	Slc30a4
17508633	9,205857	9,32991	9,299461	9,151462	9,156748	9,157564	9,2784093	9,155258	-0,12315133	0,918179844	Wrn
17439307	4,028617	3,672441	3,736709	3,694434	3,634152	3,739849	3,812589	3,689478333	-0,12311067	0,918205726	Gm3259
17377140	4,763219	4,197959	4,394943	4,365364	4,259312	4,362203	4,4520403	4,328959667	-0,12308067	0,918224819	1700010M22Rik
17524170	8,161145	8,401373	8,347656	8,183118	8,166879	8,190936	8,3033913	8,180311	-0,12308033	0,918225032	5830418K08Rik
17368633	5,789444	5,935494	5,99714	5,931425	5,529356	5,892087	5,9073593	5,784289333	-0,12307	0,918231608	F730016J06Rik
17203413	7,225335	6,30116	6,98872	7,098261	6,506795	6,541018	6,838405	6,715358	-0,123047	0,918246247	---
17533040	5,860888	6,062129	6,043119	5,821364	5,81043	5,965228	5,988712	5,865674	-0,123038	0,918251976	Slc35a2
17516247	2,894225	3,31757	3,134341	2,959243	2,974907	3,042956	3,1153787	2,992368667	-0,12301	0,918269797	Olfr933
17423433	9,531003	9,681763	9,526608	9,391813	9,513493	9,465097	9,5797913	9,456801	-0,12299033	0,918282315	Otud6b
17444628	7,973167	8,110469	8,126326	7,883662	8,02231	7,935065	8,0699873	7,947012333	-0,122975	0,918292075	Bud31
17266563	8,507584	8,492613	8,5333	8,327288	8,459339	8,377966	8,5111657	8,388197667	-0,122968	0,918296531	Wsb1
17337863	4,201131	4,020284	4,304525	4,037233	3,91234	4,207511	4,1753133	4,052361333	-0,122952	0,918306715	---
17242651	3,265916	3,232486	2,921035	2,854576	2,957698	3,238333	3,1398123	3,016869	-0,12294333	0,918312231	---
17347987	4,348667	4,233618	4,593511	4,583296	4,272879	3,950797	4,391932	4,268990667	-0,12294133	0,918313504	Gm19783
17202235	5,890425	6,527731	6,174394	6,461543	6,377586	5,384621	6,1975167	6,074583333	-0,12293333	0,918318597	---
17476924	5,142019	4,706229	4,391095	4,450546	4,851141	4,568876	4,7464477	4,623521	-0,12292667	0,91832284	4930433I11Rik
17204415	6,369301	6,502991	6,341825	6,226622	6,26824	6,350592	6,4047057	6,281818	-0,12288767	0,918347665	---
17283617	3,491932	3,658035	3,712227	3,364159	3,564338	3,565125	3,6207313	3,497874	-0,12285733	0,918366974	Serpina1d
17397390	4,233133	4,866719	4,112525	4,645195	3,816864	4,381765	4,4041257	4,281274667	-0,122851	0,918371006	---
17413078	5,837852	6,105876	6,448119	6,23323	5,843669	5,946481	6,1306157	6,007793333	-0,12282233	0,918389254	Ccl21b
17434230	5,837852	6,105876	6,448119	6,23323	5,843669	5,946481	6,1306157	6,007793333	-0,12282233	0,918389254	Ccl21b
17286973	7,891829	8,476326	8,515785	8,19978	8,165796	8,149904	8,2946467	8,171826667	-0,12282	0,91839074	Gmpr
17439997	5,018417	4,781785	4,944419	4,823525	4,729218	4,823525	4,9148737	4,792089333	-0,12278433	0,918413445	Brdt
17433029	6,312565	6,223426	6,56839	6,236801	6,043257	6,456074	6,368127	6,245377333	-0,12274967	0,918435513	Apitd1
17255727	6,513297	6,730041	6,820433	6,591853	6,524648	6,579057	6,6879237	6,565186	-0,12273767	0,918443153	Osbpl7
17387688	3,256692	3,194245	3,203749	3,191987	3,121015	2,973477	3,2182287	3,095493	-0,12273567	0,918444426	Olfr1079
17359967	7,295528	7,4073	7,327359	7,224355	7,167811	7,269839	7,3433957	7,220668333	-0,12272733	0,918449731	Nfkb2
17206529	3,795095	3,403468	3,281153	3,195377	3,302518	3,613641	3,4932387	3,370512	-0,12272667	0,918450156	---
17285432	3,676297	4,019889	3,732347	3,940557	3,605258	3,514574	3,809511	3,686796333	-0,12271467	0,918457795	A530046M15
17222053	4,705399	4,899589	5,317391	4,809169	5,025173	4,719894	4,9741263	4,851412	-0,12271433	0,918458007	Bend6
17405893	4,093462	4,109516	4,577108	3,928575	4,255709	4,227676	4,2600287	4,13732	-0,12270867	0,918461615	Slitrk3
17504122	5,317185	4,992763	5,130643	5,276089	4,915549	4,880971	5,1468637	5,024203	-0,12266067	0,918492174	Ccl22
17476162	3,869457	4,040851	3,916883	3,860767	3,841308	3,757134	3,942397	3,819736333	-0,12266067	0,918492174	---
17467232	7,41747	7,7836	7,764217	7,786917	7,444591	7,365884	7,6550957	7,532464	-0,12263167	0,918510637	Gprin3
17372751	3,857915	3,681198	3,432923	3,389319	3,486891	3,72796	3,6573453	3,534723333	-0,122622	0,918516791	Olfr1008
17277561	5,142542	5,02238	5,161908	5,115066	4,93676	4,907139	5,1089433	4,986321667	-0,12262167	0,918517003	Tmem63c
17479647	5,712896	5,614098	5,701912	5,381176	5,742013	5,537867	5,676302	5,553685333	-0,12261667	0,918520187	Slc28a1
17516950	3,129375	3,273723	3,13888	3,122519	2,995127	3,056527	3,1806593	3,058057667	-0,12260167	0,918529737	---
17515045	7,96077	8,026031	8,031073	7,695733	8,02401	7,930341	8,005958	7,883361333	-0,12259667	0,91853292	Ppan
17203001	5,981731	6,005053	5,314965	5,436194	5,801376	5,69641	5,7672497	5,64466	-0,12258967	0,918537377	---
17486496	3,788173	3,915169	3,699561	3,768826	3,657855	3,608507	3,8009677	3,678396	-0,12257167	0,918548837	Zscan4e
17401343	6,269798	6,310144	6,526675	6,136891	6,172341	6,429754	6,3688723	6,246328667	-0,12254367	0,918566665	---
17255246	6,014636	6,1643	6,310431	6,371424	5,78042	5,97009	6,1631223	6,040644667	-0,12247767	0,918608688	---
17326198	4,133718	4,157529	4,224177	4,09296	4,21078	3,844263	4,171808	4,049334333	-0,12247367	0,918611235	Ccdc54
17550466	4,83601	4,47783	4,919739	4,466483	4,700105	4,699584	4,7445263	4,622057333	-0,122469	0,918614206	---
17501800	5,280969	5,249852	5,105081	5,229624	5,102397	4,936483	5,2119673	5,089501333	-0,122466	0,918616116	Hapln4
17200319	5,13984	4,744272	4,885886	4,825943	4,722498	4,854224	4,9233327	4,800888333	-0,12244433	0,918629913	---
17372264	4,609938	4,292443	4,578463	4,489739	4,222789	4,401019	4,4936147	4,371182333	-0,12243233	0,918637554	Gm13944
17411732	7,137005	6,910879	6,944453	6,838555	6,819661	6,966855	6,9974457	6,875023667	-0,122422	0,918644133	2610301B20Rik
17300374	10,22141	10,26954	10,48669	10,40037	10,1789	10,03116	10,32588	10,20347667	-0,12240333	0,918656019	---
17372644	10,61489	10,74485	10,73192	10,52145	10,59052	10,6125	10,69722	10,57482333	-0,12239667	0,918660265	Slc43a3
17399408	6,290416	6,36768	6,465337	6,262691	6,280508	6,213194	6,3744777	6,252131	-0,12234667	0,918692103	Adam15
17548350	6,466073	6,772883	6,65697	6,551855	6,43383	6,543225	6,6319753	6,509636667	-0,12233867	0,918697198	---
17321978	4,555231	4,483532	4,678664	4,142131	4,700539	4,507782	4,5724757	4,450150667	-0,122325	0,918705901	Krt71
17331583	3,088649	3,043606	3,049085	2,864744	3,049254	2,90038	3,0604467	2,938126	-0,12232067	0,91870866	---
17520071	3,593288	3,568289	3,421541	3,600321	3,468901	3,147014	3,527706	3,405412	-0,122294	0,918725642	---
17515982	3,131622	3,695421	2,86056	3,179981	3,003249	3,137493	3,229201	3,106907667	-0,12229333	0,918726066	---
17550376	4,138659	3,948325	4,139364	3,713866	4,317662	3,827982	4,0754493	3,95317	-0,12227933	0,918734982	---
17207901	5,377567	5,878375	4,934589	5,464892	6,013533	4,345404	5,3968437	5,274609667	-0,122234	0,918763851	---
17284339	4,431673	4,364637	4,562417	4,324032	4,176112	4,491899	4,452909	4,330681	-0,122228	0,918767672	---
17206673	4,917724	5,002834	5,959698	5,23871	5,249298	5,025632	5,2934187	5,171213333	-0,12220533	0,918782107	---
17422959	7,558351	7,703139	7,319908	7,508949	7,297272	7,408596	7,5271327	7,404939	-0,12219367	0,918789537	Tmem68
17315507	5,104623	4,744188	5,198575	4,831146	4,987988	4,861687	5,0157953	4,893607	-0,12218833	0,918792934	Hoxc9
17276002	4,490589	4,168188	4,790525	4,60536	4,213558	4,263824	4,4831007	4,360914	-0,12218667	0,918793995	F730035M05Rik
17212341	2,658198	2,769903	2,711723	2,646818	2,593351	2,53314	2,7132747	2,591103	-0,12217167	0,918803548	---
17428303	3,063742	3,402123	3,03223	3,028127	3,118193	2,985316	3,1660317	3,043878667	-0,122153	0,918815437	Skint6
17232560	9,649724	9,583526	9,52437	9,542055	9,360462	9,488712	9,5858733	9,463743	-0,12213033	0,918829872	Hdac2
17550771	3,452034	3,469657	3,634996	3,382648	3,452304	3,355385	3,5188957	3,396779	-0,12211667	0,918838577	---
17379229	6,184636	5,986699	6,48457	5,970331	6,113033	6,206196	6,218635	6,09652	-0,122115	0,918839638	Tox2
17515272	7,351839	7,226168	7,43293	7,24955	7,150585	7,244459	7,336979	7,214864667	-0,12211433	0,918840063	1810026J23Rik
17205485	3,640632	3,401884	3,574944	3,094728	3,726533	3,429959	3,5391533	3,417073333	-0,12208	0,91886193	---
17404877	3,687872	3,512877	3,783913	3,632827	3,441876	3,543748	3,661554	3,539483667	-0,12207033	0,918868086	---
17283837	4,40199	4,514695	4,648088	4,397197	4,447241	4,354145	4,521591	4,399527667	-0,12206333	0,918872545	4933406K04Rik
17405456	3,608144	3,467536	3,361432	3,347855	3,197717	3,525375	3,4790373	3,356982333	-0,122055	0,918877852	---
17259600	8,025025	8,310861	8,125957	7,98981	8,005128	8,100744	8,1539477	8,031894	-0,12205367	0,918878702	Foxk2
17200165	3,23055	3,000852	4,027285	3,117303	3,496119	3,279127	3,4195623	3,297516333	-0,122046	0,918883585	---
17232183	5,151522	4,956644	5,226597	4,956557	4,903387	5,108716	5,1115877	4,989553333	-0,12203433	0,918891015	Taar5
17216299	5,730824	6,04683	5,657431	5,553168	5,809235	5,706588	5,811695	5,689663667	-0,12203133	0,918892926	---
17413817	6,148146	6,258813	6,339851	6,128963	6,295371	5,956405	6,2489367	6,126913	-0,12202367	0,918897809	Foxe1
17279150	10,17758	9,947747	10,15789	10,05153	9,759776	10,10586	10,094406	9,972388667	-0,122017	0,918902056	---
17287320	5,221016	5,471171	5,449201	5,268964	5,428748	5,077667	5,3804627	5,258459667	-0,122003	0,918910973	Nxnl2
17290937	5,901762	6,902604	6,825756	6,078457	7,217078	5,968599	6,543374	6,421378	-0,121996	0,918915431	---
17448174	7,915193	8,317313	7,85494	8,207598	7,927534	7,586373	8,0291487	7,907168333	-0,12198033	0,91892541	Arap2
17378287	5,115027	5,218328	5,232866	5,023659	5,236149	4,940511	5,1887403	5,066773	-0,12196733	0,91893369	a
17363150	4,447845	4,327337	4,32335	4,425692	4,212839	4,094117	4,3661773	4,244216	-0,12196133	0,918937512	Olfr1465
17548063	5,849073	5,878196	6,120873	5,971687	5,717703	5,792878	5,9493807	5,827422667	-0,121958	0,918939635	Fam53c // Fam53c
17206043	6,661125	5,842766	6,750252	6,261925	6,418078	6,2083	6,4180477	6,296101	-0,12194667	0,918946854	---
17325661	3,657939	3,730898	3,580425	3,608631	3,564301	3,430492	3,6564207	3,534474667	-0,121946	0,918947279	---
17446915	9,779187	9,883986	9,900702	9,748149	9,766046	9,683871	9,854625	9,732688667	-0,12193633	0,918953436	Ppm1g
17221542	3,095651	3,164706	3,242568	2,983016	3,106447	3,047661	3,1676417	3,045708	-0,12193367	0,918955135	---
17395016	8,992626	9,236465	9,157491	8,967875	8,95109	9,101887	9,1288607	9,006950667	-0,12191	0,91897021	Aurka
17412045	3,78436	3,059794	3,368951	3,338538	3,175621	3,333328	3,4043683	3,282495667	-0,12187267	0,918993991	---

17247428	5,99171	5,967997	5,785319	5,854779	5,662547	5,862095	5,9150087	5,793140333	-0,12186833	0,918996751	Fbxo48	
17428589	3,711621	3,355587	4,032089	3,598706	3,636621	3,498458	3,6997657	3,577928333	-0,12183733	0,919016499	Tspan1	
17342993	5,06669	5,126259	5,288846	5,121807	4,827478	5,16706	5,1605983	5,038781667	-0,12181667	0,919029664	---	
17379487	5,740572	5,719762	5,836244	5,750005	5,544638	5,636789	5,765526	5,643810667	-0,12171533	0,919094217	Wfdc13	
17345919	3,48429	3,224824	3,349414	3,441316	3,269361	2,98272	3,3528427	3,231132333	-0,12171033	0,919097403	Tbc1d5	
17503023	9,369017	9,291882	9,277282	9,199222	9,131907	9,241983	9,312727	9,191037333	-0,12168967	0,919110569	Asf1b	
17204207	5,257694	5,123006	4,985618	5,017394	5,21752	4,766393	5,122106	5,000435667	-0,12167033	0,919122886	---	
17346975	7,163658	7,300201	7,452966	7,108752	7,275196	7,167937	7,3056083	7,183961667	-0,12164667	0,919137964	Emilin2	
17224551	5,116194	5,099366	5,164008	4,816195	5,002912	5,19553	5,1265227	5,004879	-0,12164367	0,919139875	Ptprn	
17514471	9,371089	9,610483	9,390119	9,2718	9,322879	9,41212	9,4572303	9,335599667	-0,12163067	0,919148157	Dcun1d5	
17462663	5,623064	6,619404	6,18324	5,690337	6,041486	6,329	6,1419027	6,020274333	-0,12162833	0,919149644	Mfap5	
17548713	6,711176	6,504624	6,63973	6,377193	6,589296	6,524186	6,61851	6,496891667	-0,12161833	0,919156015	LOC100862285	
17528554	5,093891	5,138605	5,797605	5,682676	5,188751	4,793879	5,343367	5,221768667	-0,12159833	0,919168757	Gm16144	
17294320	6,847682	6,566871	6,58732	6,661731	6,499134	6,476219	6,667291	6,545694667	-0,12159633	0,919170032	---	
17383965	7,438284	7,486516	7,50612	7,213799	7,477504	7,374851	7,4769733	7,355384667	-0,12158867	0,919174916	Cdk9	
17268220	5,601682	5,451098	5,6706	5,292377	5,611997	5,454298	5,57446	5,452890667	-0,12156933	0,919187234	---	
17272895	6,091434	5,80091	6,041597	6,150689	5,536624	5,881967	5,9779803	5,856426667	-0,12155367	0,919197216	Eif4a3	
17549352	3,80568	3,945311	3,481866	3,966151	3,571854	3,330203	3,7442857	3,622736	-0,12154967	0,919199764	---	
17549740	3,80568	3,945311	3,481866	3,966151	3,571854	3,330203	3,7442857	3,622736	-0,12154967	0,919199764	---	
17321849	6,863368	6,416085	6,611253	6,650599	6,307242	6,568349	6,6302353	6,50873	-0,12150533	0,919228011	Krt81	
17438299	4,490355	4,583067	4,109951	4,347565	4,031951	4,439342	4,3944577	4,272952667	-0,121505	0,919228224	---	
17548585	9,787384	9,925112	9,735029	9,592172	9,699033	9,791807	9,8158417	9,694337333	-0,12150433	0,919228649	Twf1 // Twf1	
17250095	2,958923	2,974133	3,122276	2,897594	2,897594	2,8957	3,018444	2,896962667	-0,12148133	0,919243303	Olfr319	
17246707	8,398686	8,321244	7,968748	7,900551	8,001245	8,422457	8,2295593	8,108084333	-0,121475	0,919247339	Sec14l4	
17417598	7,683295	7,754392	7,660718	7,559467	7,596696	7,577884	7,6994683	7,578015667	-0,12145267	0,919261569	Eif2b3	
17463781	7,531117	7,515546	8,060063	7,5712	7,502525	7,668643	7,702242	7,580789333	-0,12145267	0,919261569	Emp1	
17346030	4,792611	4,896131	4,890092	4,849979	4,507679	4,856848	4,8596113	4,738168667	-0,12144267	0,919267941	1700025K24Rik // 1700025K24Rik	
17438334	4,472378	4,42472	4,471245	4,211213	4,416646	4,376179	4,4561143	4,334679333	-0,121435	0,919272826	Gm7271	
17473650	5,46699	4,963927	5,540333	5,229875	5,328946	5,048142	5,32375	5,202321	-0,121429	0,919276649	Aurkc	
17422404	6,62038	6,450035	6,566608	6,227428	6,433445	6,611864	6,5456743	6,424245667	-0,12142867	0,919276862	Ttc34	
17305012	7,228986	6,929138	7,259163	7,074302	7,049471	6,929405	7,1390957	7,017726	-0,12136967	0,919314457	Gprin2	
17201373	3,17054	3,144402	4,202234	3,279245	3,299589	3,574237	3,5057253	3,384357	-0,12136833	0,919315307	---	
17235990	6,30463	6,059154	6,139494	5,973124	6,080456	6,085768	6,1677593	6,046449333	-0,12131	0,919352478	1500009L16Rik	
17395029	6,193878	6,313664	6,274587	6,200793	6,180441	6,036979	6,2607097	6,139404333	-0,12130533	0,919355452	Cass4	
17535984	3,742525	3,742525	3,635613	3,617155	3,757574	3,382059	3,7068877	3,585596	-0,12129167	0,919364161	Rab39b // Rab39b	
17467556	8,244929	8,5825	8,470851	8,282332	8,348647	8,303481	8,43276	8,311486667	-0,12127333	0,919375844	Rpia	
17248132	3,642829	3,605428	3,710338	3,500229	3,559591	3,53497	3,652865	3,531596667	-0,12126833	0,919379031	Gm12100	
17204277	7,053475	5,885189	6,391965	5,622112	7,120673	6,224202	6,443543	6,322329	-0,121214	0,919413656	---	
17265973	4,182689	4,606086	4,424161	4,232605	4,496545	4,120231	4,404312	4,283127	-0,121185	0,919432138	---	
17324135	5,568054	5,71813	5,689863	5,546579	5,556836	5,509153	5,6586823	5,537522667	-0,12115967	0,919448283	Chrd	
17491537	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491539	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491566	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491570	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491572	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491574	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491576	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491578	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491580	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491582	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491584	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491586	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491588	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491590	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491592	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17491594	7,840038	7,492102	7,148043	7,798498	6,894365	7,423843	7,4933943	7,372235333	-0,121159	0,919448708	Snord116	
17291186	4,499847	4,493905	4,97252	4,478379	4,489888	4,634529	4,655424	4,534265333	-0,12115867	0,91944892	Hist1h2ae	
17337120	7,262631	7,434979	6,731906	7,028704	7,202346	6,835073	7,143172	7,022041	-0,121131	0,919466553	H2-Q7 // H2-Q7	
17336660	7,519503	7,676302	7,709825	7,572814	7,439315	7,530132	7,63521	7,514087	-0,121123	0,919471651	Atf6b	
17516908	7,447574	8,202598	8,075262	7,91555	7,767704	7,678825	7,908478	7,787359667	-0,12111833	0,919474626	Apoa4	
17230327	8,87176	8,956032	8,873316	8,795645	8,839933	8,702229	8,9003693	8,779269	-0,12110033	0,919486098	---	
17549982	2,931083	3,118096	3,037888	2,840649	2,999747	2,88341	3,0290223	2,907935333	-0,121087	0,919494595	---	
17301738	5,699506	5,508761	5,846465	5,515703	5,662493	5,513288	5,6849107	5,563828	-0,12108267	0,919497357	Phyhip	
17410043	7,774434	7,643765	7,721294	7,596633	7,480015	7,699636	7,7131643	7,592094667	-0,12106967	0,919505643	Mettl14	
17221093	8,29291	8,412063	8,248283	7,971979	8,191204	8,426886	8,317752	8,196689667	-0,12106233	0,919510317	---	
17540713	6,399554	5,720027	5,086476	5,974401	5,177826	5,690658	5,7353523	5,614295	-0,12105733	0,919513504	Gm6121	
17531130	9,027978	9,318336	9,296122	9,062752	9,142764	9,073753	9,2141453	9,093089667	-0,12105567	0,919514566	Apeh	
17288544	5,184061	4,667871	5,237867	5,176276	4,766771	4,783601	5,029933	4,908882667	-0,12105033	0,919517965	5430425J12Rik	
17207991	3,642579	3,461829	3,699416	3,657612	3,417031	3,366053	3,6012747	3,480232	-0,12104267	0,919522852	---	
17415302	5,183206	4,969398	5,474384	4,813342	5,323253	5,127407	5,208996	5,088000667	-0,12099533	0,919553021	---	
17219282	6,208721	6,221599	6,256331	6,136456	6,077539	6,109819	6,2288837	6,107938	-0,12094567	0,919584678	LOC100862110	
17471321	5,45516	5,338914	5,691105	5,416205	5,280263	5,425937	5,4950597	5,374135	-0,12092467	0,919598064	---	
17225368	4,117899	4,034346	4,29328	4,078104	4,106737	3,897973	4,1485083	4,027604667	-0,12090367	0,919611449	4933400F21Rik	
17550504	4,092593	3,954858	4,241591	3,932076	3,988678	4,00563	4,0963473	3,975461333	-0,120886	0,919622711	---	
17324673	10,91471	11,07237	10,95433	10,79199	11,0085	10,7783	10,98047	10,85959667	-0,12087333	0,919630785	---	
17236832	5,389086	5,370328	5,568666	5,241559	5,363995	5,359931	5,4426933	5,321828333	-0,120865	0,919636097	4921510H08Rik	
17412852	8,030787	8,010417	8,166658	7,923952	7,961745	7,959575	8,0692873	7,948424	-0,12086333	0,919637159	---	
17440728	7,86191	7,769646	7,997806	7,849386	7,620347	7,797041	7,876454	7,755591333	-0,12086267	0,919637584	Aym1	
17434475	9,751186	9,693494	9,924333	9,408156	9,667578	9,930758	9,789671	9,668830667	-0,12084033	0,919651821	Hspa8 // Hspa8	
17245302	11,16286	11,20637	11,06148	10,92199	11,07329	11,07293	11,14357	11,02273667	-0,12083333	0,919656283	Rap1b	
17548667	4,874759	4,968011	5,000471	4,725525	4,833726	4,921509	4,947747	4,82692	-0,120827	0,91966032	Gm19515	
17257235	9,165623	9,162332	9,02492	8,921777	9,127795	8,940999	9,117625	8,996857	-0,120768	0,919697931	Itgb3	
17332851	9,110254	9,031277	9,026418	8,928954	9,070128	8,806599	9,055983	8,935227	-0,120756	0,919705581	Gtf2h5	
17520305	3,064919	3,126205	3,051191	3,087334	2,868474	2,924273	3,0807717	2,960027	-0,12074467	0,919712806	---	
17500195	5,924699	6,377534	6,194316	6,170154	6,042927	5,921237	6,1655163	6,044772667	-0,12074367	0,919713443	Star	
17202007	2,845369	2,85383	3,311569	2,928529	2,787968	2,932085	3,0035893	2,882860667	-0,12072867	0,919723006	---	
17344620	5,554436	5,809909	6,089001	5,621605	5,699161	5,770417	5,817782	5,697061	-0,120721	0,919727893	Gm11127	
17313047	4,975665	5,167945	4,988115	5,093037	5,008746	4,66778	5,0439083	4,923187667	-0,12072067	0,919728106	Gm10856	
17251721	4,386485	4,451303	4,500754	4,497217	4,132315	4,346875	4,4461807	4,325469	-0,12071167	0,919733843	---	
17549232	3,522911	3,397157	4,255212	3,545012	3,655258	3,61296	3,7250933	3,60441	-0,12068333	0,919751906	---	
17277519	3,089659	3,199754	2,964541	2,985018	2,917209	2,989817	3,0846513	2,964014667	-0,12063667	0,919781658	---	
17389638	4,574697	4,580755	4,861429	4,369861	4,78189	4,503242	4,6722937	4,551664333	-0,12062933	0,919786333	2810405F15Rik	
17252310	5,959289	5,822263	5,938675	5,669476	6,009447	5,679429	5,9067423	5,786117333	-0,120625	0,919789096	Fam64a	
17254827	9,267374	9,533602	9,470674	9,173303	9,488125	9,248431	9,4238833	9,303286333	-0,120597	0,919806948	Supt4h1	
17441018	4,517554	4,758667	4,767443	4,605711	4,66384	4,412337	4,6812213	4,560629333	-0,120592	0,919810135	4930519G04Rik	
17513534	5,364538	5,405916	5,351856	5,149168	5,291786	5,319609	5,3741033	5,253521	-0,12058233	0,919816299	1190005I06Rik	
17214904	7,73444	7,358315	7,279673	7,55234	7,197309	7,261069	7,457476	7,336906	-0,12057	0,919824162	C130026I21Rik	
17365981	4,482521	4,194561	4,265842	4,250966	4,308771	4,021489	4,314308	4,193742	-0,120566	0,919826712	1700019N19Rik // 1700019N19Rik	
17257560	9,90238	9,539639	9,641496	9,650334	9,60669	9,464853	9,694505	9,573959	-0,120546	0,919839464	---	
17429274	4,028415	4,194709	3,989966	3,787577	4,13381	3,930097	4,07103	3,950494667	-0,12053533	0,919846265	Olfr1342	
17550781	3,750895	3,875763	3,669407	3,515651	3,706578	3,712319	3,765355	3,644849333	-0,12050567	0,91986518	---	
17549498	3,938056	3,880366	3,920873	3,85115	3,784607	3,742062	3,9130983	3,792606333	-0,120492	0,919873894	---	
17403004	6,730663	7,205667	6,738372	6,704876	6,586807	7,021557	6,8915673	6,77108	-0,12048733	0,91987687	H2afz	
17474844	5,010952	4,54728	4,390265	4,463832	4,359723	4,763483	4,649499	4,529012667	-0,12048633	0,919877507	Vmn1r169	
17549512	6,771981	6,803051	7,124462	6,689054	6,94229	6,706751	6,8998313	6,779365	-0,12046633	0,919890259	---	
17549664	6,771981	6,803051	7,124462	6,689054	6,94229	6,706751	6,8998313	6,779365	-0,12046633	0,919890259	---	
17378637	4,531458	4,575943	4,815593	4,643642	4,477833	4,440156	4,640998	4,520543667	-0,12045433	0,919897911	Gm14168	
17366790	5,683606	5,52109	5,287574	5,540963	5,264019	5,325933	5,4974233	5,376971667	-0,12045167	0,919899611	---	
17366826	5,683606	5,52109	5,287574	5,540963	5,264019	5,325933	5,4974233	5,376971667	-0,12045167	0,919899611	Mir669k	
17488221	7,674934	7,854975	7,941426	7,653595	7,822262	7,634144	7,8237783	7,703333667	-0,12044467	0,919904075	Shkbp1	
17445525	4,548399	4,52511	4,69633	4,345678	4,398222	4,664672	4,5899463	4,469524	-0,12042233	0,919918315	Rundc3b	
17277622	5,046224	4,906279	4,846638	5,052188	4,792411	4,593324	4,933047	4,812641	-0,120406	0,91992873	---	
17511660	7,650291	8,087929	7,897309	7,829838	7,671085	7,773612	7,8785097	7,758178333	-0,12033133	0,919976342	Ces1b	
17402513	6,590522	6,532699	6,606103	6,539843	6,414884	6,41363	6,5764413	6,456119	-0,12032233	0,919982081	Neurog2	
17210657	7,569335	7,201077	7,682997	7,202734	7,387548	7,502459	7,4844697	7,364247	-0,12022267	0,920045639	---	
17403875	5,979071	6,068922	6,426908	6,100398	6,090966	5,922897	6,1583003	6,038087	-0,12021333	0,920051591	---	
17284648	6,154865	6,269786	6,19632	6,090116	6,070558	6,099683	6,2069903	6,086785667	-0,12020467	0,920057118	Ighm // Ighm	
17405817	9,827051	10,13609	10,20443	10,22528	9,919745	9,661942	10,055857	9,935655667	-0,12020133	0,920059244	---	
17285867	12,07292	12,11681	12,26758	12,11636	12,13299	11,8474	12,152437	12,03225	-0,12018667	0,920068598	Hist1h2ab	
17425870	4,908611	5,078131	5,070797	4,85202	5,037564	4,807425	5,0191797	4,899003	-0,12017667	0,920074975	Slc46a2	
17200397	3,75433	4,14102	3,928906	3,618593	3,930929	3,914208	3,9414187	3,821243333	-0,12017533	0,920075825	---	
17300133	2,963377	2,97791	3,086246	2,930257	2,874377	2,862421	3,0091777	2,889018333	-0,12015933	0,920086029	---	
17259792	3,574821	3,494044	3,706122	3,577685	3,394631	3,442258	3,5916623	3,471524667	-0,12013767	0,920099848	---	
17299823	3,393874	3,292391	3,136259	3,146558	3,202116	3,1135	3,2741747	3,154058	-0,12011667	0,920113241	---	
17512755	10,55156	10,69739	10,47611	10,40121	10,41613	10,54747	10,57502	10,45493667	-0,12008333	0,9201345	Psmd7	
17349089	3,904617	3,81438	3,811255	3,93078	3,636362	3,602897	3,8434173	3,723346333	-0,120071	0,920142366	4930474G06Rik	
17266891	7,1814	7,284839	7,105255	7,166728	6,960316	7,084302	7,190498	7,070448667	-0,12004933	0,920156185	Pex12	
17449920	6,305129	6,26668	6,04482	5,906907	6,177892	6,171703	6,205543	6,085500667	-0,12004233	0,92016065	Paqr3	
17300328	8,493748	8,533266	8,470902	8,260711	8,430976	8,446116	8,4993053	8,379267667	-0,12003767	0,920163626	1700123O20Rik	
17372738	3,910877	4,107579	4,110593	3,863538	3,850736	4,054679	4,0430163	3,922984333	-0,120032	0,92016724	---	
17387778	5,195704	4,29332	4,763389	4,978361	4,835312	4,078687	4,7508043	4,630786667	-0,12001767	0,920176382	Olfr1141	
17387720	4,192293	3,878365	3,903768	3,737528	4,094521	3,782378	3,9914753	3,871475667	-0,11999967	0,920187863	Olfr1098	
17405097	3,172541	3,220998	3,366862	2,879913	3,344183	3,176357	3,253467	3,133484333	-0,11998267	0,920198706	---	
17473720	4,587776	4,757246	4,597149	4,617874	4,65679	4,307587	4,6473903	4,527417	-0,11997333	0,920204659	---	

17333402	6,887305	6,295876	5,868501	6,088162	6,330894	6,272761	6,3505607	6,230605667	-0,119955	0,920216353	Gm16050
17401590	4,867679	4,727856	4,781136	4,782244	4,555576	4,679019	4,7922237	4,672279667	-0,119944	0,92022337	Eps8l3
17236816	4,882022	4,801355	4,890949	4,538611	5,029418	4,646593	4,8581087	4,738207333	-0,11990133	0,920250585	Kera
17269638	9,136394	9,245509	9,197675	9,10995	9,052075	9,057858	9,1931927	9,073294333	-0,11989833	0,920252498	Rab5c
17208041	3,869964	3,458512	4,43287	3,808999	3,469652	4,123022	3,9204487	3,800557667	-0,119891	0,920257176	---
17370855	3,999271	3,987746	3,904905	3,820076	4,030267	3,681939	3,963974	3,844094	-0,11988	0,920264193	Galnt13
17490233	9,148026	9,008386	9,101168	8,816302	9,082955	8,998685	9,08586	8,965980667	-0,11987933	0,920264618	2310044H10Rik
17311459	2,942133	3,180318	2,83544	2,908266	2,891436	2,798559	2,9859637	2,866087	-0,11987667	0,920266319	---
17324637	7,333013	7,35102	7,152988	7,241627	7,136248	7,099619	7,279007	7,159164667	-0,11984233	0,92028822	Fam43a
17342996	6,045565	6,354626	6,609499	6,041487	6,089792	6,518893	6,3365633	6,216724	-0,11983933	0,920290134	Gm16197
17237280	7,660825	7,616195	7,627501	7,423182	7,548189	7,573653	7,6348403	7,515008	-0,11983233	0,920294599	Phlda1
17219378	6,445176	5,555359	6,184966	5,912973	5,68634	6,226699	6,0618337	5,942004	-0,11982967	0,9202963	---
17255531	4,440871	4,376341	4,752242	4,162566	4,738445	4,308971	4,5231513	4,403327333	-0,119824	0,920299915	---
17246098	3,022409	2,852448	3,040063	2,90081	2,796061	2,858603	2,97164	2,851824667	-0,11981533	0,920305443	---
17204371	5,337436	3,544411	5,17046	5,212527	4,479618	4,000756	4,6841023	4,564300333	-0,119802	0,920313949	---
17455536	4,895837	4,782983	5,021108	4,696834	4,880476	4,763247	4,899976	4,780185667	-0,11979033	0,920321391	LOC100861794
17542096	3,139306	2,872583	2,894924	2,994249	2,694059	2,859144	2,9689377	2,849150667	-0,119787	0,920323517	Mir465
17407246	5,150826	4,902583	5,08796	4,987957	4,702653	5,091424	5,047123	4,927344667	-0,11977833	0,920329046	Creb3l4
17482131	2,911181	3,292704	3,02646	3,023962	2,885833	2,961238	3,0767817	2,957011	-0,11977067	0,920333937	---
17499831	4,21365	4,355456	4,254719	4,422564	3,960088	4,08187	4,2746083	4,154840667	-0,11976767	0,920335851	Defb13
17258457	7,767258	7,581245	7,574428	7,274333	7,706677	7,582622	7,640977	7,521210667	-0,11976633	0,920336701	Sap30bp
17478191	3,839903	3,966552	3,923542	3,797104	3,682015	3,891707	3,909999	3,790275333	-0,11972367	0,92036392	---
17358874	3,023262	3,052285	3,006511	2,871281	3,040228	2,811399	3,0273527	2,907636	-0,11971667	0,920368386	---
17210439	4,802898	4,510862	5,474726	4,569301	4,937405	4,922664	4,9294953	4,80979	-0,11970533	0,920375616	---
17468930	4,46724	4,597743	4,52747	4,473725	4,567802	4,191876	4,5308177	4,411134333	-0,11968333	0,920389651	---
17538742	4,246467	3,908258	4,271547	3,819718	4,215019	4,032609	4,1420907	4,022448667	-0,119642	0,92041602	---
17202323	6,091073	6,449831	6,190056	6,509857	6,253685	5,608562	6,2436533	6,124034667	-0,11961867	0,920430907	---
17202949	5,274141	6,193253	6,433261	6,170405	5,266088	6,10544	5,966885	5,847311	-0,119574	0,920459404	---
17245511	8,657764	8,698469	8,67472	8,639441	8,533625	8,499166	8,6769843	8,557410667	-0,11957367	0,920459617	Xpot
17437977	5,517593	5,33379	5,433843	5,291917	5,359909	5,274748	5,4284087	5,308858	-0,11955067	0,920474292	---
17206137	3,855036	3,193505	2,957878	3,112652	2,941026	3,59409	3,335473	3,215922667	-0,11955033	0,920474504	---
17407621	5,229172	5,425077	5,355158	5,111427	5,338651	5,200733	5,336469	5,216937	-0,119532	0,920486201	BC021767
17233740	11,01798	11,07382	11,03522	10,9496	10,84065	10,9782	11,04234	10,92281667	-0,11952333	0,920491731	---
17444770	5,804996	5,469393	5,367421	5,414167	5,42453	5,444553	5,54727	5,42775	-0,11952	0,920493858	Gm3404
17547771	3,797477	3,845516	3,793614	3,729705	3,693569	3,654797	3,8122023	3,692690333	-0,119512	0,920498962	Serpinb9b // Serpinb9b
17371503	10,61872	10,8082	10,69838	10,61592	10,51701	10,63387	10,708433	10,58893333	-0,1195	0,920506619	Ssb
17436832	5,454633	5,279607	5,4535	5,251431	5,518062	5,059776	5,3959133	5,276423	-0,11949033	0,920512786	Hmx1
17480566	9,981406	10,18061	10,15014	9,859316	10,04358	10,05086	10,104052	9,984585333	-0,11946667	0,92052787	---
17302354	4,9781	5,229928	5,20255	5,046697	4,969071	5,036419	5,1368593	5,017395667	-0,11946367	0,920529801	---
17469320	9,077499	9,193578	9,068728	8,918768	9,00808	9,054593	9,1132683	8,993813667	-0,11945467	0,920535544	Tmf1
17539105	6,302508	6,404538	6,263342	6,559678	6,236589	5,815814	6,3234627	6,204027	-0,11943567	0,920547667	---
17486790	9,043833	9,178974	9,371098	9,050282	9,040567	9,144788	9,1979683	9,078545667	-0,11942267	0,920555962	Gltscr2
17305906	4,569067	3,974617	4,311006	4,291526	4,235256	3,96965	4,2848967	4,165477333	-0,11941933	0,920558089	---
17354653	7,065063	7,031952	7,076538	7,03658	6,783003	6,995814	7,057851	6,938465667	-0,11938533	0,920579784	Tcof1
17210237	5,435328	5,75378	5,847651	5,819151	5,344875	5,514592	5,6789197	5,559539333	-0,11938033	0,920582975	---
17534315	3,811553	3,602809	3,73404	3,680719	3,514108	3,595467	3,716134	3,596764667	-0,11936933	0,920589994	Rhox10
17526820	6,207937	6,180719	5,703227	6,280807	5,795355	5,657647	6,0306277	5,911269667	-0,119358	0,920597226	Bco2
17550787	3,23253	3,227663	3,096924	2,956986	3,152372	3,089796	3,1857057	3,066384667	-0,119321	0,920620836	---
17207207	5,65511	5,845338	6,049909	6,071713	5,352585	5,768195	5,850119	5,730831	-0,119288	0,920641894	---
17212284	3,153102	3,419537	3,221124	3,173911	3,139295	3,122702	3,2645877	3,145302667	-0,119285	0,920643809	---
17468662	10,23071	10,42386	10,45041	10,21755	10,29718	10,23244	10,368327	10,24905667	-0,11927	0,920653381	---
17543106	4,776039	4,517487	4,631183	4,486257	4,565485	4,515224	4,6415697	4,522322	-0,11924767	0,920667633	Pet2
17464915	8,480251	8,368714	8,396656	8,184043	8,370571	8,33331	8,415207	8,295974667	-0,11923233	0,920677418	B630005N14Rik
17545824	5,502344	5,435001	5,712044	5,454808	5,367558	5,46933	5,5497963	5,430565333	-0,119231	0,920678269	Nhs
17441895	8,857089	9,099058	8,88431	8,874475	8,842911	8,765392	8,946819	8,827592667	-0,11922633	0,920681247	Naa25
17272544	4,906165	4,849146	4,824477	4,800941	4,784715	4,636512	4,8599293	4,740722667	-0,11920667	0,920693798	---
17245665	6,887371	6,568134	6,680798	6,531965	6,744006	6,502848	6,712101	6,592939667	-0,11916133	0,920722729	Xrcc6bp1
17443535	6,929784	7,126384	7,118118	7,021612	6,809926	6,985273	7,0580953	6,938937	-0,11915833	0,920724644	Ufsp1
17478116	5,567588	5,436302	5,563648	5,389182	5,253979	5,566944	5,5225127	5,403368333	-0,11914433	0,920733579	Otog
17222876	8,411682	8,767929	8,425468	8,295485	8,414303	8,537868	8,5350263	8,415885333	-0,119141	0,920735706	---
17376159	5,124509	4,873549	4,734919	4,773855	4,921869	4,679846	4,9109923	4,791856667	-0,11913567	0,92073911	Gm14047 // Gm14047
17239469	10,59642	10,65567	10,9207	10,6666	10,46262	10,68632	10,724263	10,60518	-0,11908333	0,92077251	---
17202259	6,076383	5,405302	6,031922	5,822065	5,59287	5,741497	5,837869	5,718810667	-0,11905833	0,920788466	---
17298757	4,310697	4,030072	4,360632	4,020116	4,073387	4,250726	4,2338003	4,114743	-0,11905733	0,920789104	Antxrl
17549008	3,757092	3,895586	3,783073	3,674061	3,6965	3,708038	3,811917	3,692866333	-0,11905067	0,920793359	---
17543885	4,896306	4,646637	4,760218	4,502961	4,575303	4,867822	4,7677203	4,648695333	-0,119025	0,920809741	Magee2
17425521	3,58221	3,278147	3,748879	3,346411	3,55207	3,353767	3,536412	3,417416	-0,118996	0,92082825	Mir32
17233064	7,873011	8,450665	8,141247	7,961792	7,950867	8,195277	8,1549743	8,035978667	-0,11899567	0,920828463	---
17454252	3,663169	3,576639	3,704953	3,670871	3,567369	3,349547	3,6482537	3,529262333	-0,11899133	0,920831229	Mir93
17232191	3,161094	3,361327	3,325972	3,130312	3,208731	3,15241	3,2827977	3,163817667	-0,11898	0,920838463	Taar7e
17414935	8,175244	7,942822	8,252131	8,18575	7,919838	7,9077	8,123399	8,004429333	-0,11896967	0,920845058	Kdm4c
17308319	4,771322	4,705223	4,871386	4,684508	4,733393	4,573129	4,7826437	4,663676667	-0,118967	0,92084676	Piwil2
17454794	5,867808	5,523464	5,681116	5,607118	5,73131	5,377088	5,690796	5,571838667	-0,11895733	0,92085293	Rbak
17491890	4,150017	4,83171	5,072635	4,380879	4,616395	4,700288	4,6847873	4,565854	-0,11893333	0,920868249	H47 // H47
17438246	7,954051	8,435102	7,991642	7,99299	8,042625	7,988406	8,1269317	8,008007	-0,11892467	0,920873781	Pdgfra
17210852	3,409788	3,189542	3,081464	2,973156	3,233534	3,117365	3,2269313	3,108018333	-0,118913	0,920881228	---
17550460	9,223548	9,511557	9,235929	9,231659	9,256302	9,126354	9,323678	9,204771667	-0,11890633	0,920885484	---
17412602	8,318988	8,301734	8,116823	8,13845	8,035258	8,207189	8,2458483	8,126965667	-0,11888267	0,92090059	Rngtt
17549590	7,544847	7,56744	7,905937	7,978755	6,979614	7,703228	7,6727413	7,553865667	-0,11887567	0,920905059	---
17381277	4,488098	4,578872	4,868247	4,592081	4,409445	4,577101	4,6450723	4,526209	-0,11886333	0,920912931	---
17448039	4,424332	4,277845	4,284978	4,424685	4,201111	4,00484	4,3290517	4,210212	-0,11883967	0,920928038	C130083M11Rik
17512151	8,798781	8,789411	8,404501	8,942867	8,136559	8,556777	8,664231	8,545401	-0,11883	0,920934209	---
17358905	6,236408	6,492745	6,23397	6,179738	6,42465	6,002284	6,321041	6,202224	-0,118817	0,920942508	Hectd2
17464963	5,283097	5,303684	5,544076	5,237607	5,243935	5,292882	5,3769523	5,258141333	-0,118811	0,920946338	---
17538960	4,881289	4,628362	4,524194	4,673817	4,567116	4,43649	4,6779483	4,559141	-0,11880733	0,920948678	Gpr143
17495414	8,722741	8,942713	8,497534	8,79297	8,544375	8,46929	8,720996	8,602211667	-0,11878433	0,920963361	Pik3c2a
17209745	4,143332	4,373606	3,888774	3,948802	3,981404	4,119332	4,1352373	4,016512667	-0,11872467	0,92100145	---
17204693	7,972316	8,026632	7,884966	7,74944	7,806368	7,971941	7,9613047	7,842583	-0,11872167	0,921003366	---
17310335	3,52306	3,667412	3,584878	3,714815	3,460293	3,244108	3,5917833	3,473072	-0,11871133	0,921009962	Gm19276
17450968	6,466657	6,493217	6,611798	6,437542	6,433828	6,3442	6,5238907	6,40519	-0,11870067	0,921016772	Gm15787
17450199	6,044659	5,926194	6,119606	5,914967	5,94599	5,873415	6,030153	5,911457333	-0,11869567	0,921019964	Nkx6-1
17321491	5,121532	5,087631	5,513175	5,390993	4,859322	5,115967	5,2407793	5,122094	-0,11868533	0,92102656	---
17292967	4,72168	4,693702	4,902222	4,484215	4,683242	4,794097	4,7725347	4,653851333	-0,11868333	0,921027838	Pitx1
17208171	3,182467	3,924979	3,324365	3,494162	3,310199	3,271405	3,4772703	3,358588667	-0,11868167	0,92102892	---
17352621	10,3879	10,54995	10,37652	10,30044	10,32021	10,33771	10,438123	10,31945333	-0,11867	0,92103635	Rock1
17201387	4,462097	4,344321	4,801381	4,527255	4,291329	4,433208	4,535933	4,417264	-0,118669	0,921036988	---
17499526	4,195861	3,642827	3,483538	3,738576	3,547588	3,680079	3,7740753	3,655414333	-0,118661	0,921042095	---
17437115	3,696819	3,625275	3,720485	3,644144	3,376724	3,665751	3,6808597	3,562206333	-0,11865333	0,92104699	---
17300231	6,491055	6,465245	6,777349	6,566277	6,341222	6,470199	6,577883	6,459232667	-0,11865033	0,921048905	---
17249375	10,20323	10,13993	10,14552	9,977722	10,12803	10,02698	10,162893	10,044244	-0,11864933	0,921049544	Cdkn2aipnl
17223308	5,520782	5,549752	5,41444	5,249619	5,519106	5,360452	5,4949913	5,376392333	-0,118599	0,921081678	4930558J18Rik
17335818	6,604605	6,740431	6,361382	6,427433	6,506313	6,416896	6,568806	6,450214	-0,118592	0,921086147	Slc37a1
17451251	5,632761	5,518511	5,817627	5,48038	5,58268	5,550225	5,6562997	5,537761667	-0,118538	0,921120624	Myo18b
17314777	6,942846	6,720347	7,0617	6,833722	6,776046	6,759531	6,9082977	6,789766333	-0,11853133	0,921124881	Prpf40b
17319109	6,807185	6,896627	7,038047	6,824355	6,928443	6,6335	6,913953	6,795432667	-0,11852033	0,921131904	Ankrd54
17448212	7,336714	7,107303	7,759383	7,231081	7,443049	7,173744	7,4011333	7,282624667	-0,11850867	0,921139353	3110047P20Rik // 3110047P20Rik
17510080	6,516499	6,617729	6,626782	6,46143	6,430717	6,513348	6,5870033	6,468498333	-0,118505	0,921141694	2810422J05Rik
17442032	7,628664	7,752237	7,792673	7,696292	7,526344	7,595486	7,7245247	7,606040667	-0,118484	0,921155102	Ppp1cc
17274633	2,826171	3,074569	3,015646	2,783878	2,907786	2,869402	2,972169	2,853688667	-0,11848033	0,92115744	---
17201427	5,034486	5,184799	5,886561	5,189268	5,700722	4,860466	5,3686153	5,250152	-0,11846333	0,921168298	---
17417422	7,666145	7,33633	7,244697	7,310205	7,420259	7,161382	7,415724	7,297282	-0,118442	0,921181919	Ipp
17331794	3,37868	3,483595	3,531487	3,335854	3,351297	3,351297	3,4645873	3,346149333	-0,118438	0,921184474	---
17284253	5,601674	5,587008	5,860643	5,689396	5,524519	5,480121	5,6831083	5,564678667	-0,11842967	0,921189795	Jag2
17221676	4,586132	4,776566	4,696836	4,517093	4,716809	4,470358	4,6865113	4,568086667	-0,11842467	0,921192987	Gm4956
17448595	4,171669	3,926543	4,224429	4,008889	4,020719	3,937797	4,107547	3,989135	-0,118412	0,921201075	Gabra4
17367949	6,420245	6,575168	6,688687	6,455312	6,381622	6,492009	6,5613667	6,442981	-0,11838567	0,92121789	2010317E24Rik
17360877	9,272688	9,219791	9,071696	9,053663	8,963615	9,19178	9,1880583	9,069686	-0,11837233	0,921226404	Fam45a
17229463	3,888784	3,936117	4,001668	3,965119	3,765903	3,740442	3,9421897	3,823821333	-0,11836833	0,921228958	1700084C01Rik
17293774	3,786912	3,57736	3,491901	3,511315	3,549009	3,440747	3,6187243	3,500357	-0,11836733	0,921229596	Nlrp4f
17450727	8,321542	8,582783	8,339252	8,38702	8,169241	8,332262	8,4145257	8,296174333	-0,11835133	0,921239813	Tmed5
17243523	4,566882	4,60348	5,083665	4,53046	4,739945	4,628603	4,7513423	4,633002667	-0,11833967	0,92124726	---
17464934	7,831536	7,712941	7,672393	7,524071	7,664452	7,673361	7,7389567	7,620628	-0,11832867	0,921254287	2610001J05Rik
17339585	8,216084	8,349748	8,155218	8,023059	8,175438	8,167584	8,24035	8,122027	-0,118323	0,921257906	Spast
17210047	3,724528	3,635158	3,333062	3,268775	3,671659	3,397359	3,5642493	3,445931	-0,11831833	0,921260886	---
17250089	5,527497	5,228666	5,440555	5,199987	5,195037	5,446784	5,398906	5,280602667	-0,11830333	0,921270464	Olfr179
17203757	5,507063	5,681515	5,197452	5,336178	5,602354	5,092609	5,46201	5,343713667	-0,11829633	0,921274934	---
17458037	4,253741	4,018753	4,388078	4,021952	4,133118	4,150644	4,2201907	4,101904667	-0,118286	0,921281533	9430018G01Rik
17356633	5,932214	6,318857	5,911892	5,945173	6,031782	5,831185	6,054321	5,936046667	-0,11827433	0,921288983	Gm550
17430791	10,66536	10,30699	10,50264	10,44559	10,39524	10,27934	10,491663	10,37339	-0,11827333	0,921289622	Rnu11
17352695	3,028353	3,107414	2,924446	2,8327	3,099817	2,772989	3,020071	2,901835333	-0,11823567	0,921313676	Mir1b // Mir1b
17200437	6,766691	6,639484	6,445217	6,582448	6,71313	6,201145	6,6171307	6,498907667	-0,118223	0,92132176	---
17377464	7,405081	7,317532	7,451382	7,182575	7,573676	7,063096	7,3913317	7,273115667	-0,118216	0,921326235	Cst7
17514349	12,76392	12,74525	12,36626	12,6899	12,43218	12,39871	12,625143	12,50693	-0,11821333	0,921327938	---
17440130	9,019604	9,292628	9,053662	8,935744	9,031589	9,043936	9,1219647	9,003756333	-0,11820833	0,921331131	Rpl5 // Gm14217

17509388	4,170874	4,29636	4,243239	4,21474	4,067086	4,074055	4,2368243	4,118627	-0,11819733	0,921338156	Wdr17
17501104	7,76312	7,816082	7,654747	7,577908	7,633944	7,667541	7,7446497	7,626464333	-0,11818533	0,921345819	Dctd
17369832	6,624599	6,771665	6,745775	6,418556	6,689511	6,679462	6,714013	6,595843	-0,11817	0,921355612	Naif1
17400510	4,406421	4,675322	4,640025	4,355518	4,497354	4,514413	4,5739227	4,455761667	-0,118161	0,92136136	Sf3b4
17322991	4,409557	4,356653	4,575467	4,393215	4,418024	4,176032	4,4472257	4,329090333	-0,11813533	0,921377751	1700003L19Rik
17274868	8,30448	8,588584	8,316703	8,290051	8,328772	8,23657	8,4032557	8,285131	-0,11812467	0,921384564	2010109K11Rik
17246432	3,663897	3,52538	3,393883	3,373093	3,520818	3,33494	3,52772	3,409617	-0,118103	0,921398401	Olfr807
17291970	3,66819	4,275924	4,092171	3,949904	4,019089	3,712989	4,012095	3,893994	-0,118101	0,921399679	---
17510494	8,562853	8,867033	8,527745	8,499436	8,546765	8,557146	8,6525437	8,534449	-0,11809467	0,921403724	Hmgn2
17518090	6,096152	5,518032	6,144946	5,853773	6,004421	5,546658	5,91971	5,801617333	-0,11809267	0,921405001	---
17219299	7,747409	7,803924	7,779577	7,681977	7,664217	7,630466	7,77697	7,658886667	-0,11808333	0,921410962	Pfdn2 // Pfdn2
17412102	7,189683	7,276584	6,893555	6,900184	7,022154	7,083262	7,1199407	7,001866667	-0,118074	0,921416923	Ggh
17245053	6,996484	7,099499	6,909573	6,885013	6,893061	6,873279	7,001852	6,883784333	-0,11806767	0,921420968	Thap2
17371436	6,202891	6,122094	5,953792	6,053128	5,893218	5,978261	6,0929257	5,974869	-0,11805667	0,921427993	Bbs5
17437529	8,315151	8,37048	8,347795	8,111277	8,157469	8,410612	8,3444753	8,226452667	-0,11802267	0,921449709	Stim2
17335344	4,453062	4,529834	4,651548	4,493796	4,399089	4,38755	4,5448147	4,426811667	-0,118003	0,92146227	4930511I11Rik
17221792	8,200637	8,165969	8,124394	8,113751	7,985673	8,037576	8,1636667	8,045666667	-0,118	0,921464186	Fam135a
17233665	3,946509	3,840742	4,066239	3,917018	3,687726	3,894789	3,9511633	3,833177667	-0,11798567	0,921473341	4930565A17
17482914	3,947328	4,0276	4,176889	3,908682	3,892237	3,996986	4,0506057	3,932635	-0,11797067	0,921482922	4930551E15Rik
17457737	3,800746	3,891515	4,08168	3,841116	3,576752	4,002199	3,924647	3,806689	-0,117958	0,921491012	Try10
17265708	7,712574	7,707633	7,385223	7,559127	7,368058	7,52445	7,60181	7,483878333	-0,11793167	0,921507832	---
17510099	7,541413	7,734446	7,833479	7,596021	7,634991	7,524726	7,7031127	7,585246	-0,11786667	0,921549352	Ssbp4
17548264	11,48595	11,37659	11,02979	11,12397	11,06319	11,35163	11,297443	11,17959667	-0,11784667	0,921562127	Wbp5 // Wbp5
17344811	6,242054	5,897773	5,757752	5,736905	6,071475	5,73569	5,9658597	5,848023333	-0,11783633	0,921568728	H2-M5
17265548	5,301785	4,923194	5,175184	5,062675	4,927714	5,056354	5,1333877	5,015581	-0,11780667	0,921587678	---
17364890	6,232419	6,227031	6,151003	6,016676	6,290121	5,950262	6,2034843	6,085686333	-0,117798	0,921593215	Hps1
17292769	4,620231	4,754225	4,646316	4,539031	4,503942	4,624429	4,6735907	4,555800667	-0,11779	0,921598325	---
17380840	8,496482	8,68027	8,671148	8,456558	8,540215	8,497822	8,6159667	8,498198333	-0,11776833	0,921612166	2310003C23Rik
17349774	7,319544	7,447266	7,276052	7,308303	7,199886	7,181494	7,3476207	7,229894333	-0,11772633	0,921638996	Hars2
17509355	3,913476	4,062772	4,008497	3,848985	3,998431	3,784176	3,994915	3,877197333	-0,11771767	0,921644533	---
17236754	8,582571	8,546115	8,635595	8,513575	8,459583	8,437982	8,5880937	8,47038	-0,11771367	0,921647088	Eea1
17206957	4,446063	4,260101	3,958234	4,128503	4,112148	4,070745	4,221466	4,103798667	-0,11766733	0,921676688	---
17268404	10,57613	10,65821	10,78674	10,4085	10,6483	10,61128	10,673693	10,55602667	-0,11766667	0,921677114	Pnpo
17532637	8,303452	8,763504	8,219674	8,314487	8,313623	8,30563	8,4288767	8,311246667	-0,11763	0,921700539	---
17549170	9,50239	9,588381	10,11098	9,373438	9,767456	9,708002	9,733917	9,616298667	-0,11761833	0,921707993	---
17469556	8,921166	8,917484	8,969077	8,734809	8,821205	8,89887	8,935909	8,818294667	-0,11761433	0,921710548	Crbn
17345335	8,894993	9,118329	8,887215	8,778198	9,098738	8,670762	8,9668457	8,849232667	-0,117613	0,9217114	Polr1c
17474130	5,708336	5,183769	5,40241	5,393632	5,413828	5,134233	5,431505	5,313897667	-0,11760733	0,921715021	Ceacam9
17203407	4,930298	5,005618	4,813539	5,184001	4,136513	5,076153	4,916485	4,798889	-0,117596	0,921722261	---
17377744	5,931152	6,081392	6,176399	5,981742	5,958167	5,896251	6,062981	5,945386667	-0,11759433	0,921723326	Rem1
17272461	7,042723	7,072835	6,946253	6,968446	6,945981	6,794611	7,0206037	6,903012667	-0,117591	0,921725456	Cygb
17294805	8,020249	8,088246	8,041574	7,914413	7,990555	7,892328	8,050023	7,932432	-0,117591	0,921725456	Zcchc9
17235300	6,227159	5,946908	6,359228	6,062671	6,120635	5,997233	6,177765	6,060179667	-0,11758533	0,921729076	Apc2
17322731	7,745187	7,429624	7,952061	7,442942	7,888089	7,443137	7,7089573	7,591389333	-0,117568	0,92174015	---
17351668	10,37835	10,30354	10,27742	10,0992	10,19541	10,31205	10,31977	10,20222	-0,11755	0,921751651	Mbd2
17351143	6,868355	6,938718	6,966808	6,763951	6,874938	6,782462	6,924627	6,807117	-0,11751	0,921777207	Sh3tc2
17491276	8,529718	8,689544	8,576544	8,418582	8,518519	8,506263	8,598602	8,481121333	-0,11748067	0,921795949	Spty2d1
17517828	5,059482	4,777812	4,835153	4,610855	5,022482	4,686669	4,8908157	4,773335333	-0,11748033	0,921796162	Cyp11a1
17506479	7,104098	7,16981	7,293305	7,068397	6,979931	7,166452	7,189071	7,071593333	-0,11747767	0,921797866	Spg7
17461132	6,193192	5,921344	6,126958	5,902694	5,974602	6,011775	6,080498	5,963023667	-0,11747433	0,921799996	Mitf
17459236	9,078056	9,188054	9,087916	9,013756	8,961453	9,026452	9,1180087	9,000553667	-0,117455	0,921812349	Mad2l1
17272814	4,646025	4,530747	4,790169	4,675192	4,359483	4,579968	4,655647	4,538214333	-0,11743267	0,921826619	---
17437959	4,344418	4,332121	4,478174	4,21308	4,174257	4,415241	4,3849043	4,267526	-0,11737833	0,921861337	Bend4
17507247	4,568861	4,379835	4,669597	4,483521	4,375178	4,407462	4,539431	4,422053667	-0,11737733	0,921861976	BC068157
17382638	5,84488	5,654585	6,062828	5,909934	5,679438	5,620827	5,8540977	5,736733	-0,11736467	0,92187007	Mamdc4
17326930	3,748585	4,058897	3,648253	3,654889	3,802932	3,645838	3,8185783	3,701219667	-0,11735867	0,921873903	Krtap6-1
17203749	6,097798	5,749907	5,862584	6,13166	5,188214	6,038367	5,9034297	5,786080333	-0,11734933	0,921879867	---
17261122	7,339428	7,821627	7,54879	7,467911	7,350922	7,538998	7,5699483	7,452610333	-0,117338	0,921887109	Papolg
17416763	8,627016	8,891109	8,744103	8,461979	8,660797	8,787472	8,754076	8,636749333	-0,11732667	0,921894352	---
17214184	4,614289	4,716986	5,215159	4,544622	4,869308	4,780556	4,8488113	4,731495333	-0,117316	0,921901168	Gm216
17338934	7,251857	7,322245	7,10249	6,861511	7,329198	7,133964	7,2255307	7,108224333	-0,11730633	0,921907345	Alkbh7
17361552	9,058483	9,109014	9,105034	9,048576	8,815964	9,056211	9,0908437	8,973583667	-0,11726	0,921936953	Banf1
17400810	3,695484	3,687544	3,661745	3,656603	3,722775	3,31365	3,681591	3,564342667	-0,11724833	0,921944409	Gm5544
17419873	4,761298	4,616255	4,702295	4,579873	4,544101	4,604145	4,6932827	4,576039667	-0,117243	0,921947817	---
17464480	5,978672	6,198032	6,058972	5,839297	5,863085	6,181571	6,0785587	5,961317667	-0,117241	0,921949095	3010003L21Rik
17422488	5,835579	5,992904	5,867979	5,678622	5,774227	5,891898	5,8988207	5,781582333	-0,11723833	0,921950799	Morn1
17498084	6,512434	6,139833	6,514554	6,204626	6,315911	6,294576	6,3889403	6,271704333	-0,117236	0,92195229	Krtap5-1
17474396	6,824212	6,930039	6,744255	6,61675	6,694125	6,83602	6,8328353	6,715631667	-0,11720367	0,921972953	Irf2bp1
17415627	3,839075	3,7301	3,889247	3,636035	3,694432	3,776384	3,819474	3,702283667	-0,11719033	0,921981474	---
17227828	7,993628	7,754621	7,608469	7,474765	7,823167	7,70722	7,7855727	7,668384	-0,11718867	0,921982539	Pla2g4a
17271033	9,164205	9,165971	9,149028	8,928401	9,073529	9,125759	9,1597347	9,042563	-0,11717167	0,921993403	Kpna2
17207117	4,590566	4,771328	5,393064	5,633131	4,377468	4,392888	4,9183193	4,801162333	-0,117157	0,922002776	---
17305950	5,389296	5,281959	5,03245	5,03245	5,403553	4,916425	5,2345683	5,117476	-0,11709233	0,922044105	Olfr733
17283380	7,415533	7,680639	7,087095	7,193854	7,264589	7,37363	7,3944223	7,277357667	-0,11706467	0,922061787	Fbln5
17526988	5,910651	6,05702	6,173803	5,874326	5,861351	6,054614	6,047158	5,930097	-0,117061	0,92206413	1810046K07Rik
17216888	4,784891	4,657341	4,907224	4,773959	4,478052	4,746264	4,783152	4,666091667	-0,11706033	0,922064556	Thsd7b
17437380	6,349954	6,764634	6,555418	6,500946	6,13997	6,677944	6,5566687	6,43962	-0,11704867	0,922072013	9230114K14Rik
17222940	7,288682	7,429927	7,286757	7,373005	7,145364	7,135892	7,335122	7,218087	-0,117035	0,922080748	Inpp1
17532455	7,433758	7,70827	7,132448	6,97472	7,564813	7,383848	7,4248253	7,307793667	-0,11703167	0,922082878	1110059G10Rik
17344720	4,333123	4,570582	4,732137	4,355577	4,622069	4,307159	4,5452807	4,428268333	-0,11701233	0,922095235	H2-M10.2
17542254	5,072651	5,249485	5,032298	4,744349	5,168315	5,090906	5,1181447	5,00119	-0,11695467	0,922132093	Xlr4a
17289675	4,378399	4,344243	4,275968	4,466338	4,137316	4,044163	4,33287	4,215939	-0,116931	0,922147221	3830408C21Rik
17289497	8,998392	9,041508	9,000572	8,908632	8,935195	8,845858	9,0134907	8,896561667	-0,116929	0,922148499	Ccdc125
17214387	5,997507	5,809873	5,998318	5,703331	5,802997	5,948637	5,9352327	5,818321667	-0,116911	0,922160004	Wnt10a
17272262	5,899235	6,037158	6,185877	6,019837	5,939183	5,81258	6,0407567	5,923866667	-0,11689	0,922173427	Evpl
17528924	5,239793	5,073924	4,68354	4,710371	5,1934	4,74289	4,9990857	4,882220333	-0,11686533	0,922189195	Fam83b
17244559	4,400168	4,165556	4,157442	4,074516	4,149048	4,149048	4,2410553	4,124204	-0,11685133	0,922198144	Gm18409
17293748	4,925371	5,043337	5,045774	4,83015	5,036962	4,796855	5,0048273	4,887989	-0,11683833	0,922206453	Prss47
17535712	5,601639	5,453522	5,617795	5,55703	5,285695	5,479741	5,557652	5,440822	-0,11683	0,92221178	Avpr2
17362216	7,033277	7,142173	7,281599	7,061709	6,997348	7,047518	7,1523497	7,035525	-0,11682467	0,92221519	Nudt22
17548044	3,548088	3,696447	3,712435	3,590672	3,438847	3,577013	3,6523233	3,535510667	-0,11681267	0,92222286	Syt4 // Syt4
17215720	8,818165	8,888793	8,860982	8,795528	8,595564	8,826427	8,85598	8,739173	-0,116807	0,922226483	Scly
17258961	6,085021	6,139573	6,217085	6,097565	6,057829	5,935873	6,1472263	6,030422333	-0,116804	0,9222284	---
17262733	3,260714	3,13005	3,292532	3,120409	3,082508	3,130106	3,2277653	3,111007667	-0,11675767	0,922258019	---
17494214	3,694461	3,801767	3,19128	3,824565	3,189692	3,322986	3,5625027	3,445747667	-0,116755	0,922259724	Olfr68
17415535	4,807432	4,667085	5,07341	4,712602	4,844557	4,640543	4,849309	4,732567333	-0,11674167	0,922268247	Gm3831
17457060	4,833587	4,325356	4,569067	4,301311	4,387772	4,688741	4,5760033	4,459274667	-0,11672867	0,922276558	---
17546244	4,057646	3,406764	3,028877	3,687335	3,19457	3,261307	3,4977623	3,381070667	-0,11669167	0,922300211	---
17244608	5,019904	5,297721	5,198775	5,05835	5,142508	4,965497	5,1721333	5,055451667	-0,11668167	0,922306604	Alx1
17200391	5,619278	5,534659	5,61607	5,000154	5,162435	6,257399	5,5900023	5,473329333	-0,116673	0,922312145	---
17254970	5,552024	4,724342	5,299555	4,863597	5,339636	5,022686	5,1919737	5,075306333	-0,11666733	0,922315767	1700106J16Rik
17270109	8,26063	8,264545	8,412309	8,499269	7,949467	8,13881	8,3124947	8,195848667	-0,116646	0,922329406	---
17338906	3,9336	4,144052	3,816323	3,852702	3,787604	3,903733	3,9646583	3,848013	-0,11664533	0,922329832	1700061G19Rik
17383633	9,203917	9,142953	9,198557	8,962982	9,045507	9,187011	9,181809	9,065166667	-0,11664233	0,92233175	Crat
17298946	4,691819	4,801013	4,759166	4,665912	4,685657	4,550541	4,750666	4,634036667	-0,11662933	0,922340061	Dydc1
17388683	7,499243	7,063276	6,913504	7,054732	7,106731	6,964703	7,1586743	7,042055333	-0,116619	0,922346667	Rag1
17549598	4,290634	4,265559	4,667132	4,129991	4,434169	4,309333	4,407775	4,291164333	-0,11661067	0,922351995	---
17240527	8,653788	8,529935	8,562987	8,439251	8,471086	8,486588	8,5822367	8,465641667	-0,116595	0,922362011	Gm9855
17349868	3,393408	3,52581	3,555829	3,343925	3,331877	3,449608	3,4916823	3,375136667	-0,11654567	0,922393552	Pcdhb2
17387646	3,789963	3,511984	3,797155	3,706326	3,281718	3,761471	3,6997007	3,58317667	-0,116529	0,922404208	Olfr52
17324570	3,963926	4,090237	4,15778	4,016102	3,915093	3,931173	4,0706477	3,954122667	-0,116525	0,922406766	Gm10823
17543572	7,490863	7,434927	7,174656	7,262019	7,231145	7,257762	7,3668153	7,250308667	-0,11650667	0,922418487	Il2rg
17270303	4,041414	4,610044	4,295534	4,065947	4,430813	4,100741	4,315664	4,199167	-0,116497	0,92242468	---
17542583	4,04418	4,019424	4,12673	4,009402	3,887327	3,944169	4,0634447	3,946966	-0,11647867	0,92243639	Tex28
17232176	3,650229	3,934494	3,626395	3,651848	3,732794	3,477136	3,7370393	3,620592667	-0,11644667	0,922456851	Taar2
17491074	5,386023	5,363906	5,420951	5,338977	5,164009	5,318589	5,3902933	5,273858333	-0,116435	0,92246431	Abcc8
17269486	5,999881	6,007365	6,018258	5,834742	5,927401	5,914069	6,0085013	5,892070667	-0,11643067	0,922467081	Leprel4
17220907	8,815922	8,841227	8,905066	8,93405	8,684786	8,594105	8,8540717	8,737647	-0,11642467	0,922470917	Irf6
17446832	7,09001	6,978688	7,147796	6,964332	6,905468	6,997447	7,0721647	6,955749	-0,11641567	0,922476672	Ucn
17466075	9,570697	9,726274	9,574882	9,39693	9,577185	9,548611	9,623951	9,507575333	-0,11637567	0,922502249	Jhdm1d
17212900	4,046	4,09923	4,153011	3,945076	3,834815	4,16933	4,0994137	3,983073667	-0,11634	0,922525056	Rftn2
17330751	4,255565	4,112525	4,508533	4,41902	3,955553	4,15305	4,2922077	4,175874333	-0,11633333	0,922529318	Cd96
17350563	8,255273	8,557657	8,185943	8,256954	8,157835	8,235191	8,3329577	8,21666	-0,11629767	0,922552126	Srfbp1
17275303	5,73143	6,102077	5,953449	5,888071	5,377882	6,172113	5,9289853	5,812688667	-0,11629667	0,922552765	Tfb2m // Tfb2m
17295770	9,377801	9,447406	9,273922	9,168609	9,289074	9,292628	9,3663763	9,250103667	-0,11627267	0,922568113	Slc30a5
17479012	6,936605	6,957221	6,578535	6,520794	6,984601	6,618164	6,8241203	6,707853	-0,11626733	0,922571523	Lins // Lins
17463316	8,026547	8,182061	8,08365	8,000197	8,021436	7,921848	8,0974193	7,981160333	-0,116259	0,922576852	D6Wsu163e
17307575	4,398971	4,228857	4,455984	4,050465	4,265981	4,418597	4,3612707	4,245014333	-0,11625633	0,922578557	Defb48
17444027	6,382944	6,040114	6,369639	6,024475	6,304555	6,114909	6,2642323	6,147979667	-0,11625267	0,922580902	Uncx
17293020	9,733208	9,801758	9,690865	9,79519	9,408821	9,673075	9,7419437	9,625695333	-0,11624833	0,922583673	Lect2
17330156	4,522507	5,105825	4,193549	4,538706	4,479922	4,454538	4,6072937	4,491055333	-0,11623833	0,922590068	---
17415774	6,514404	6,627147	6,836184	6,599932	6,663895	6,365204	6,659245	6,543010333	-0,11623467	0,922592413	Foxd3
17501989	5,89639	6,129962	6,270339	5,842561	6,271436	5,834006	6,098897	5,982667667	-0,11622933	0,922595824	Lrrc25
17347265	4,517488	4,516644	4,897054	4,12803	4,985729	4,468794	4,6437287	4,527517667	-0,116211	0,922607548	---

17459656	6,002097	5,997586	6,114758	5,960419	6,026959	5,778486	6,038147	5,921954667	-0,11619233	0,922619485	Capg	
17327889	9,131156	9,023525	9,021692	9,029852	8,934031	8,863916	9,058791	8,942599667	-0,11619133	0,922620125	Glyr1	
17316954	4,035954	3,946265	3,858016	3,671899	3,936342	3,883427	3,946745	3,830556	-0,116189	0,922621617	---	
17398180	10,16996	10,09859	10,02813	9,979188	10,00479	9,964158	10,098893	9,982712	-0,11618133	0,92262652	Mfsd1	
17371708	6,435803	6,705883	6,597646	6,575233	6,152193	6,663365	6,5797773	6,463597	-0,11618033	0,922627159	Cybrd1	
17495985	5,454571	5,933098	5,831526	5,573842	5,500977	5,795893	5,7397317	5,623570667	-0,116161	0,922639523	Gm20299	
17216886	6,221781	5,614658	5,926469	6,117777	5,635262	5,6614	5,9209693	5,804813	-0,11615633	0,922642508	---	
17337663	3,381855	3,020199	2,864691	2,678652	3,397705	2,841943	3,088915	2,972766667	-0,11614833	0,922647624	Gm4345	
17423697	2,996265	2,818261	2,998022	2,89093	2,772034	2,801163	2,937516	2,821375667	-0,11614033	0,92265274	---	
17362934	4,642753	3,889592	4,360716	4,136893	4,30581	4,101966	4,297687	4,181556333	-0,11613067	0,922658923	Ms4a5	
17326500	2,933409	2,925401	2,830472	2,854566	2,712928	2,773398	2,8964273	2,780297333	-0,11613	0,922659349	---	
17413369	7,940747	7,83587	7,849788	7,705188	7,879742	7,693153	7,8754683	7,759361	-0,11610733	0,922673845	Creb3	
17276056	10,6717	10,62763	10,54298	10,41375	10,51947	10,56088	10,614103	10,49803333	-0,11607	0,922697722	Psma3	
17402778	4,881758	4,691596	4,551377	4,654213	4,776426	4,345883	4,7082437	4,592174	-0,11606967	0,922697935	Cxxc4	
17344911	4,11588	3,856198	3,898359	3,769887	3,903263	3,849156	3,9568123	3,840768667	-0,11604367	0,922714564	Olfr129	
17287160	5,585516	6,810784	5,863381	5,565804	6,168905	6,17687	6,0865603	5,970526333	-0,116034	0,922720747	Aspn	
17237492	5,441264	5,373068	5,618489	5,411918	5,426392	5,246446	5,477607	5,361585333	-0,11602167	0,922728635	1700058G18Rik	
17213319	9,620279	9,961844	10,03345	9,807339	9,8288	9,631386	9,8718577	9,755841667	-0,116016	0,922732259	Snord11	
17204237	3,602498	4,510143	3,558265	4,132946	4,000248	3,189692	3,890302	3,774295333	-0,11600667	0,922738229	---	
17442521	6,681687	6,72525	6,698528	6,486735	6,584728	6,68601	6,7018217	6,585824333	-0,11599733	0,922744198	Snrnp35	
17412272	8,653734	8,631155	8,508113	8,322315	8,515271	8,607494	8,5976673	8,481693333	-0,115974	0,922759122	Ndufaf4	
17245581	5,508241	5,245821	5,462638	5,403666	5,296378	5,168743	5,4055667	5,289595667	-0,115971	0,922761041	A130077B15Rik // A130077B15Rik	
17543491	5,993607	6,070809	6,260695	5,999114	5,923948	6,054136	6,1083703	5,992399333	-0,115971	0,922761041	Gm14866	
17341387	3,395025	3,551396	3,40308	3,183861	3,539676	3,278065	3,4498337	3,333867333	-0,11596633	0,922764026	---	
17516151	3,592504	3,633586	3,546924	3,344363	3,466911	3,613905	3,5910047	3,475059667	-0,115945	0,922777671	Olfr25	
17385398	3,765928	3,660595	3,404303	3,583253	3,366483	3,533262	3,6102753	3,494332667	-0,11594267	0,922779164	Ermn	
17357741	8,590109	8,555104	8,49499	8,325921	8,518563	8,447931	8,5467343	8,430805	-0,11592933	0,922787692	Mrpl16	
17328046	4,7897	4,652658	4,874432	4,489424	4,653112	4,826478	4,7722633	4,656338	-0,11592533	0,92279025	Grin2a	
17207103	5,720657	5,926032	5,374985	5,988152	5,559102	5,126695	5,6738913	5,557983	-0,11590833	0,922801124	---	
17467453	3,66507	4,130496	3,047374	3,711897	3,1649	3,618506	3,6143133	3,498434333	-0,115879	0,922819887	---	
17274114	5,172572	4,777894	4,749699	4,868526	4,900972	4,583056	4,900055	4,784184667	-0,11587033	0,922825431	---	
17206139	2,949382	2,973156	2,832213	2,802382	2,802382	2,802382	2,9182503	2,802382	-0,11586833	0,92282671	---	
17362524	6,32132	6,857138	6,781881	6,454758	6,555575	6,602416	6,6534463	6,537583	-0,11586333	0,922829908	LOC100861648	
17428857	7,947521	8,607411	8,264545	7,942642	8,604325	7,924942	8,273159	8,157303	-0,115856	0,922834599	---	
17206037	6,019795	6,278339	6,189975	6,509729	6,016366	5,614447	6,162703	6,046847333	-0,11585567	0,922834812	---	
17384979	4,769255	4,549231	4,728456	4,576487	4,523985	4,598973	4,682314	4,566481667	-0,11583233	0,922849738	---	
17435282	6,335153	6,687753	6,490846	6,503117	6,406143	6,257067	6,504584	6,388775667	-0,11580833	0,92286509	Nos3	
17293845	2,980679	2,990008	3,000746	2,920905	2,873883	2,82925	2,9904777	2,874679333	-0,11579833	0,922871487	---	
17489157	11,0814	10,9294	10,84747	10,95608	10,79067	10,76419	10,952757	10,83698	-0,11577667	0,922885347	---	
17322230	6,184241	6,104503	5,98776	6,248231	5,921032	5,759919	6,092168	5,976394	-0,115774	0,922887053	Map3k12	
17252157	5,627141	5,595809	5,702675	5,578457	5,573433	5,426455	5,641875	5,526115	-0,11576	0,922896009	4930544D05Rik	
17238111	4,563185	4,500873	4,620124	4,200128	4,553416	4,583367	4,561394	4,445637	-0,115757	0,922897928	Myo1a	
17549926	4,121127	4,43524	4,386537	4,076596	4,204123	4,314965	4,3143013	4,198561333	-0,11574	0,922908803	---	
17284060	5,967106	5,912361	6,022321	5,866258	5,888008	5,800329	5,9672627	5,851531667	-0,115731	0,92291456	4930595D18Rik // 4930595D18Rik	
17206021	5,361974	5,280665	5,452995	5,52936	5,446523	4,772594	5,3652113	5,249492333	-0,115719	0,922922237	---	
17453776	6,164363	5,915122	6,037517	5,72927	6,006506	6,034075	6,0390007	5,923283667	-0,115717	0,922923516	Emid2	
17258964	5,730176	5,903109	5,708108	5,630645	5,72357	5,640126	5,7804643	5,664780333	-0,115684	0,922944627	Ccdc40	
17237751	6,089949	6,105061	6,034287	5,939216	5,938834	6,004195	6,0764323	5,960748333	-0,115684	0,922944627	BC048403	
17251503	5,285476	5,230752	5,144516	5,193807	5,078279	5,041655	5,220248	5,104580333	-0,11566767	0,922955076	Tmem107	
17534730	3,889531	3,760615	3,82139	3,685606	3,688707	3,750247	3,8238453	3,708186667	-0,11565867	0,922960834	Fam122c	
17251866	7,628047	7,609605	7,567432	7,501156	7,467065	7,490012	7,6016947	7,486077667	-0,115617	0,922987491	Phf23	
17298998	5,837055	5,544763	5,28957	5,542357	5,328502	5,453715	5,5571293	5,441524667	-0,11560467	0,922995381	---	
17550448	3,203795	3,210126	3,474078	3,318211	3,15574	3,067247	3,2959997	3,180399333	-0,11560033	0,922998153	---	
17338821	10,61592	10,71587	10,77014	10,58414	10,67342	10,4976	10,700643	10,58505333	-0,11559	0,923004764	Rpl36	
17207753	6,741095	6,848236	6,873044	7,025127	6,822962	6,267594	6,8207917	6,705227667	-0,115564	0,923021399	---	
17279737	10,4323	10,57207	10,34573	10,27782	10,22764	10,49795	10,450033	10,33447	-0,11556333	0,923021825	Rab10	
17499072	4,187874	4,368493	4,657083	4,256686	4,081493	4,528608	4,4044833	4,288929	-0,11555433	0,923027583	1700018L24Rik	
17242449	7,852828	7,828384	7,826801	7,629742	7,802757	7,728868	7,8360043	7,720455667	-0,11554867	0,923031209	Trappc10	
17366166	2,956893	3,412266	3,07854	2,91796	3,048631	3,13467	3,149233	3,033753667	-0,11547933	0,923075569	---	
17388681	4,210297	3,73266	3,819884	3,823017	3,554976	4,038433	3,920947	3,805475333	-0,11547167	0,923080475	Rag2 // Rag2	
17314907	4,884851	4,384803	4,786618	4,538979	4,703554	4,467358	4,685424	4,569963667	-0,11546033	0,923087726	---	
17501994	8,570155	8,678322	8,676409	8,485012	8,489654	8,60388	8,6416287	8,526182	-0,11544667	0,923096471	Lsm4	
17447940	7,428785	7,42294	7,417295	7,337909	7,205534	7,37938	7,4230067	7,307607667	-0,115399	0,92312697	Lcorl	
17432718	3,315696	3,5666	3,11274	3,373591	3,198335	3,076921	3,3316787	3,216282333	-0,11539633	0,923128676	---	
17460333	3,50825	3,881918	3,392533	3,469149	3,573821	3,393571	3,5942337	3,478847	-0,11538667	0,923134862	Alms1-ps2	
17538816	9,001	8,947945	9,344714	8,819716	8,959099	9,168727	9,0978863	8,982514	-0,11537233	0,923144033	---	
17238236	8,309395	8,235033	8,179222	8,09639	8,139946	8,141203	8,2412167	8,125846333	-0,11537033	0,923145313	Ptges3	
17549906	12,62019	12,6897	12,71147	12,41493	12,55331	12,70702	12,673787	12,55842	-0,11536667	0,923147659	---	
17308481	11,88495	11,93035	11,78463	11,52369	11,81022	11,92006	11,866643	11,75132333	-0,11532	0,923177521	---	
17469965	6,88869	6,442441	6,833318	7,02041	6,199977	6,598183	6,721483	6,60619	-0,115293	0,923194798	---	
17256323	4,432049	4,220225	4,254623	4,272683	4,120162	4,168217	4,302299	4,187020667	-0,11527833	0,923204183	Krtap31-1	
17218341	3,886914	3,66849	3,807909	3,699779	3,765121	3,552598	3,787771	3,672499333	-0,11527167	0,92320845	Gm5531	
17313016	9,188604	9,304588	9,163244	9,030704	9,099009	9,180944	9,218812	9,103552333	-0,11525967	0,923216129	Tomm22	
17492985	5,452452	5,33939	5,688878	5,701589	5,353826	5,079535	5,4935733	5,378316667	-0,11525667	0,923218048	Arnt2	
17232937	6,96564	6,843228	7,193766	6,997499	6,728908	6,930496	7,000878	6,885634333	-0,11524367	0,923226368	Ostm1	
17449685	8,586408	8,72419	8,508183	8,399808	8,654081	8,419164	8,6062603	8,491017667	-0,11524267	0,923227007	Sdad1	
17243117	8,188098	8,267776	8,146504	8,096391	8,168594	7,991714	8,2007927	8,085566333	-0,11522633	0,92323746	Lsm7	
17534637	6,967955	6,933321	6,833388	6,662351	6,934931	6,791728	6,9115547	6,796336667	-0,115218	0,923242793	Rbmx2	
17536245	3,854676	3,732566	3,948751	3,719638	3,804237	3,666468	3,845331	3,730114333	-0,11521667	0,923243646	---	
17350824	7,212924	7,209245	6,89303	6,870259	7,051225	7,048075	7,1050663	6,989853	-0,11521333	0,923245779	Slc12a2	
17527369	3,999821	3,842825	4,083929	3,86262	3,869746	3,848657	3,975525	3,860341	-0,115184	0,923264551	---	
17398176	6,422367	6,395049	6,406005	6,378712	6,387716	6,111512	6,407807	6,292646667	-0,11516033	0,923279697	LOC100861992	
17314904	3,29388	3,286764	3,365781	3,235925	3,277049	3,088006	3,315475	3,200326667	-0,11514833	0,923287376	---	
17523990	7,549381	7,621519	7,37575	7,365755	7,56449	7,27097	7,51555	7,400405	-0,115145	0,92328951	Jrkl	
17231459	4,502909	4,113801	4,946889	4,05831	4,690734	4,469136	4,5211997	4,40606	-0,11513967	0,923292923	---	
17247896	6,912269	6,812912	6,862722	6,816195	6,712254	6,714059	6,8626343	6,747502667	-0,11513167	0,923298043	---	
17292828	6,829037	6,785511	7,134649	6,67414	6,847047	6,882619	6,916399	6,801268667	-0,11513033	0,923298896	Mxd3	
17365686	5,030792	5,128376	5,116988	4,965648	4,983661	4,981493	5,092052	4,976934	-0,115118	0,923306789	1700001K23Rik	
17463520	9,237513	9,173489	9,145741	8,9665	9,137688	9,107227	9,185581	9,070471667	-0,11510933	0,923312336	Clec1b	
17419636	6,603953	6,82385	6,81613	6,666039	6,605497	6,627134	6,7479777	6,63289	-0,11508767	0,923326202	Gpn2	
17483770	3,218089	2,943563	3,160336	2,967922	2,946719	3,062199	3,1073293	2,99228	-0,11504933	0,923350736	---	
17261393	5,995334	5,813284	5,989637	5,602146	6,007048	5,84398	5,9327517	5,817724667	-0,115027	0,92336503	Acyp2	
17550765	4,138051	4,192295	4,337492	3,984131	4,243639	4,095088	4,2226127	4,107619333	-0,11499333	0,923386578	---	
17220797	6,64782	7,014528	6,89196	6,804687	6,740025	6,664671	6,851436	6,736461	-0,114975	0,923398312	Tmem206	
17419718	5,68226	5,489265	5,740006	5,523254	5,435006	5,608348	5,637177	5,522202667	-0,11497433	0,923398739	Zfp593 // Zfp593	
17211545	3,871411	3,272019	3,770505	3,663571	3,561769	3,343673	3,6379783	3,523004333	-0,114974	0,923398952	Gm4850 // Gm4850	
17547907	10,845	11,08829	11,04678	10,87762	10,86215	10,89546	10,993357	10,87841	-0,11494667	0,923416447	---	
17215605	7,157355	7,148246	7,172114	6,851617	7,227694	7,053573	7,1592383	7,044294667	-0,11494367	0,923418367	Cxcr7	
17201775	2,784333	3,580725	3,815825	3,147788	3,3499	3,338369	3,3936277	3,278685667	-0,114942	0,923419434	---	
17201951	2,784333	3,580725	3,815825	3,147788	3,3499	3,338369	3,3936277	3,278685667	-0,114942	0,923419434	---	
17327609	6,558254	6,316379	6,504979	6,206103	6,481852	6,346838	6,4598707	6,344931	-0,11493967	0,923420927	---	
17459936	5,998137	5,915088	6,211136	5,977221	5,820439	5,98196	6,0414537	5,92654	-0,11491367	0,923437569	Ccdc142	
17549224	6,393806	6,226655	6,322324	6,157743	6,252825	6,187576	6,3142617	6,199381333	-0,11488033	0,923458905	---	
17273806	9,671756	9,717365	9,556985	9,420966	9,536327	9,644252	9,648702	9,533848333	-0,11485367	0,923475975	0610009D07Rik	
17252323	10,18325	10,31286	10,10222	10,11456	10,00918	10,13003	10,199443	10,08459	-0,11485333	0,923476188	Txndc17	
17278806	3,235866	3,516028	3,494973	3,402422	3,28669	3,2132	3,4156223	3,300770667	-0,11485167	0,923477255	Mir411	
17518102	5,054424	5,109521	5,356708	5,119129	4,913633	5,143337	5,173551	5,058699667	-0,11485133	0,923477468	---	
17535183	5,344586	4,886762	4,983339	4,985589	5,018618	4,865935	5,0715623	4,956714	-0,11484833	0,923479389	Slitrk2	
17217083	8,903297	8,518372	8,86602	8,665617	8,772417	8,50517	8,762563	8,647734667	-0,11482833	0,923492191	Pm20d1	
17307522	4,455136	4,429361	4,255051	4,441189	4,130727	4,223154	4,3798493	4,265023333	-0,114826	0,923493684	Dleu7	
17243850	8,218107	8,303839	8,172814	8,1208	8,034148	8,19544	8,2315867	8,116796	-0,11479067	0,923516302	4930547N16Rik	
17256378	5,453685	5,283051	5,24801	5,348747	5,250315	5,041345	5,3282487	5,213469	-0,11477967	0,923523344	Klhl10	
17428882	3,453524	5,304472	4,391096	4,346232	4,426515	4,032043	4,3830307	4,268263333	-0,11476733	0,923531239	---	
17482928	5,389077	5,11954	5,418822	5,09731	5,326987	5,158906	5,3091463	5,194401	-0,11474533	0,923545322	4930571K23Rik	
17517097	7,207289	6,506904	6,934333	6,676067	6,759714	6,868521	6,882842	6,768100667	-0,11474133	0,923547883	1600029D21Rik	
17393369	5,248386	5,116125	5,218707	5,031897	5,068772	5,138334	5,194406	5,079667667	-0,11473833	0,923549803	Fam83c	
17453154	7,625175	7,846036	7,82791	7,79256	7,732206	7,430149	7,7663737	7,651638333	-0,11473533	0,923551723	Chchd2	
17469035	5,642687	5,672924	5,879223	5,506489	5,695901	5,648273	5,7316113	5,616887667	-0,11472367	0,923559192	LOC100861999	
17240969	3,40547	3,311062	2,653696	3,045521	2,940309	3,040244	3,1234093	3,008691333	-0,114718	0,92356282	---	
17345180	5,698358	5,608981	6,078458	5,632538	5,809919	5,599357	5,7952657	5,680604667	-0,114661	0,92359931	Tcte1 // Tcte1	
17297181	3,928823	3,814469	4,446768	3,998329	3,910256	3,937625	4,0633533	3,948736667	-0,11461667	0,923627692	Sntn	
17278395	6,399613	6,387908	6,622715	6,308251	6,539309	6,218936	6,4700787	6,355498667	-0,11458	0,923651167	D430019H16Rik	
17423009	4,578953	4,599855	4,214371	4,505574	4,38073	4,163325	4,464393	4,349876333	-0,11451667	0,923691715	Sdr16c5	
17429371	6,322826	6,127427	6,081204	6,348275	5,470011	6,369626	6,1771523	6,062637333	-0,114515	0,923692782	Ppih	
17549276	3,513192	3,423792	3,598522	3,358568	3,394199	3,439202	3,5118353	3,397323	-0,11451233	0,92369449	---	
17517924	3,776948	3,594692	3,986218	3,747448	3,702112	3,564779	3,7859527	3,671446333	-0,11450633	0,923698331	Hcn4	
17203043	4,998366	6,153702	4,847409	5,676112	4,871335	5,108529	5,333159	5,218658667	-0,11450033	0,923702173	---	
17550793	3,332071	3,282172	3,269409	3,118455	3,258542	3,163176	3,2945507	3,180057667	-0,114493	0,923706868	---	
17512776	6,318035	6,526544	6,480577	6,34908	6,210854	6,421826	6,4417187	6,327253333	-0,11446533	0,923724582	Gm1943 // Gm1943	
17248309	8,069929	7,920536	8,164815	7,768244	7,953226	8,090423	8,05176	7,937297667	-0,11446233	0,923726503	Stk10	
17408684	8,455363	8,546091	8,510426	8,358442	8,479452	8,330638	8,50396	8,389510667	-0,11444933	0,923734827	Dclre1b	
17459095	10,27613	10,40216	10,49543	10,08627	10,31033	10,43378	10,39124	10,27679333	-0,11444667	0,923736534	---	
17499089	5,433416	5,38249	5,695191	5,335332	5,206123	5,626322	5,503699	5,389259	-0,11444	0,923740803	Gm5607	
17331215	3,237144	3,417826	3,649126	3,333217	3,576393	3,051181	3,4346987	3,320263667	-0,114435	0,923744004	---	

17435107	6,326311	6,710814	6,16638	6,394187	6,238592	6,227448	6,4011683	6,286742333	-0,114426	0,923749767	Lrrc17
17341631	5,715462	5,288799	5,629709	5,407247	5,561929	5,321529	5,5446567	5,430235	-0,11442167	0,923752541	Prss33
17409379	9,517976	9,625228	9,533422	9,498914	9,459142	9,375324	9,5588753	9,44446	-0,11441533	0,923756597	Tmem167b
17494296	5,424285	5,105763	5,163953	5,202334	5,258783	4,889736	5,2313337	5,116951	-0,11438267	0,923777513	---
17428957	6,144929	5,836409	6,460226	6,219267	5,775412	6,103745	6,147188	6,032808	-0,11438	0,923779221	Dph2
17433968	5,505037	5,163942	5,630213	5,25763	5,412229	5,286409	5,433064	5,318756	-0,114308	0,923825325	Mir429
17522816	4,93546	4,623879	4,7473	4,544572	4,5747	4,844475	4,7688797	4,654582333	-0,11429733	0,923832155	---
17362070	6,358802	6,269098	6,327361	6,141598	6,351602	6,119175	6,3184203	6,204125	-0,11429533	0,923833436	Ccdc88b
17300275	8,659472	8,781061	8,70801	8,420753	8,781431	8,603708	8,716181	8,601964	-0,114217	0,923883598	---
17365072	6,729488	7,147995	7,171787	6,689069	7,099597	6,917995	7,0164233	6,902220333	-0,114203	0,923892563	Bloc1s2
17358651	4,571387	4,195009	4,24984	4,218557	4,263868	4,191209	4,3387453	4,224544667	-0,11420067	0,923894058	Gm19602
17547833	6,731901	6,436795	6,808578	6,440374	6,663275	6,531033	6,6590913	6,544894	-0,11419733	0,923896192	Stmn4 // Stmn4
17360260	5,733687	5,524732	5,632151	5,551213	5,489964	5,506828	5,63019	5,516001667	-0,11418833	0,923901956	Sorcs3
17208605	6,022098	5,881637	5,44674	5,573779	5,542141	5,891994	5,7834917	5,669304667	-0,114187	0,92390281	---
17200583	8,055401	7,079469	7,709808	7,608724	7,458586	7,43481	7,6148927	7,500706667	-0,114186	0,92390345	---
17242133	5,981828	5,834421	6,021532	5,720291	5,844189	5,93086	5,945927	5,83178	-0,114147	0,923928426	Ybey
17547668	6,395196	6,79453	6,558766	6,244536	6,591379	6,570174	6,5828307	6,468696333	-0,11413433	0,923936538	Tmed10 // Tmed10
17295697	8,598013	8,59211	8,528073	8,319314	8,543798	8,5127	8,572732	8,458604	-0,114128	0,923940594	Rad17
17357630	5,723482	5,081476	5,415671	5,472932	5,273102	5,132247	5,4068763	5,292760333	-0,114116	0,923948279	Gpr44
17508835	4,785657	5,158427	5,064603	4,939507	4,934705	4,792152	5,0028957	4,888788	-0,11410767	0,923953616	Sgcz
17471960	3,368326	3,268527	3,443625	3,267312	3,335278	3,135641	3,3601593	3,246077	-0,11408233	0,923969841	Tas2r136
17277659	4,045149	3,068741	3,406734	3,393501	3,367236	3,417645	3,5068747	3,392794	-0,11408067	0,923970908	BB287469
17331078	6,74253	6,800777	6,418916	6,492946	6,627102	6,499984	6,6540743	6,540010667	-0,11406367	0,923981796	Tmem45a
17548569	4,128698	4,231553	4,194615	4,139456	4,001572	4,071837	4,1849553	4,070955	-0,11400033	0,924022359	LOC100862361
17548571	4,128698	4,231553	4,194615	4,139456	4,001572	4,071837	4,1849553	4,070955	-0,11400033	0,924022359	LOC100862361
17375984	5,995086	5,707725	5,951666	5,672653	5,801568	5,83831	5,8848257	5,770843667	-0,113982	0,924034101	Gm355
17481477	6,373472	6,218059	6,424081	6,26779	6,359466	6,046496	6,3385373	6,224584	-0,11395333	0,924052462	Gm15645
17283435	8,733685	8,872561	8,665901	8,567107	8,687733	8,675449	8,7573823	8,643429667	-0,11395267	0,924052889	Gm2695
17201163	5,768872	6,200245	5,790595	5,400666	5,998888	6,018333	5,919904	5,805962333	-0,11394167	0,924059935	---
17244555	4,019525	3,951518	4,404521	4,04508	4,108545	3,880133	4,125188	4,011252667	-0,11393533	0,92406399	---
17210099	4,986934	4,968329	4,331241	5,471707	3,524347	4,948702	4,762168	4,648252	-0,113916	0,924076375	---
17469764	5,071603	4,916088	4,979727	4,701174	5,003021	4,921484	4,9891393	4,875226333	-0,113913	0,924078296	Prrt3
17360861	3,692452	3,937047	3,95371	3,653927	3,773341	3,81432	3,8610697	3,747196	-0,11387367	0,92410349	---
17404071	3,233192	2,810954	2,967321	2,906405	2,952616	2,810837	3,0038223	2,889952667	-0,11386967	0,924106053	---
17353796	7,410195	7,562415	7,214489	7,186633	7,292206	7,366662	7,3956997	7,281833667	-0,113866	0,924108401	Taf7
17299489	3,764805	3,483929	3,541281	3,540129	3,487496	3,420816	3,5966717	3,482813667	-0,113858	0,924113526	Olfr741
17442800	4,468646	4,58889	4,557157	4,37752	4,449859	4,445808	4,538231	4,424395667	-0,11383533	0,924128045	Piwil1
17276250	8,139776	7,807033	8,329908	7,836999	8,164602	7,933623	8,092239	7,978408	-0,113831	0,924130821	---
17500089	4,051777	3,955754	4,189476	3,800608	3,979172	4,075747	4,065669	3,951842333	-0,11382667	0,924133596	1810011O10Rik
17391623	5,480714	5,715988	5,898168	5,499398	5,703213	5,550879	5,69829	5,584496667	-0,11379333	0,924154949	Cpxm1
17533067	6,040642	5,626763	5,950052	5,606866	5,748827	5,920409	5,8724857	5,758700667	-0,113785	0,924160287	Pcsk1n
17415538	4,40571	4,570389	4,95286	4,569173	4,330143	4,688348	4,6429863	4,529221333	-0,113765	0,924173098	---
17357926	4,231385	4,080531	4,022353	4,039491	4,015604	3,937887	4,111423	3,997660667	-0,11376233	0,924174807	Olfr1480
17311452	4,137449	4,335685	4,394009	4,054957	4,167721	4,303193	4,2890477	4,175290333	-0,11375733	0,92417801	4930548G14Rik // 4930548G14Rik
17425287	6,582784	6,692203	6,443588	6,491477	6,456269	6,429584	6,5728583	6,45911	-0,11374833	0,924183775	---
17475112	5,94719	6,160008	6,612223	6,08114	6,152436	6,144681	6,239807	6,126085667	-0,11372133	0,924201071	Rps19
17353420	8,942154	9,178715	9,257462	8,861014	9,097313	9,07885	9,1261103	9,012392333	-0,113718	0,924203206	Fam13b
17350110	9,260571	9,262201	9,257544	9,142588	9,068836	9,227772	9,2601053	9,146398667	-0,11370667	0,924210467	Rbm27
17459406	3,169815	3,198789	3,252819	2,996264	3,096192	3,187848	3,207141	3,093434667	-0,11370633	0,92421068	---
17201425	5,013285	5,093677	5,183754	4,704021	5,094068	5,15158	5,0969053	4,983223	-0,11368233	0,924226055	---
17205283	3,087918	3,610276	4,180574	3,599198	3,664426	3,274184	3,626256	3,512602667	-0,11365333	0,924244633	---
17209473	3,087918	3,610276	4,180574	3,599198	3,664426	3,274184	3,626256	3,512602667	-0,11365333	0,924244633	---
17403150	6,335834	6,42423	6,269307	6,087764	6,410347	6,190413	6,3431237	6,229508	-0,11361567	0,924268764	Tspan5
17342699	5,924521	5,836995	5,663966	5,623381	5,844215	5,617043	5,808494	5,694879667	-0,11361433	0,924269619	Ip6k3
17467407	5,622216	5,318381	5,669061	5,117476	5,414817	5,736524	5,5365527	5,422939	-0,11361367	0,924270046	---
17318405	3,083023	3,186714	2,888333	2,995221	2,822278	2,999772	3,05269	2,939090333	-0,11359967	0,924279015	Mir1942
17290997	13,16941	13,1698	13,20876	13,07971	13,07003	13,05745	13,182657	13,06906333	-0,11359333	0,924283073	Hist1h2bl
17331102	10,02828	10,16749	10,04238	9,999689	9,840713	10,05698	10,079383	9,965794	-0,11358933	0,924285635	Nit2
17240659	3,262753	3,246582	2,823271	2,963547	3,0214	3,00703	3,1108687	2,997325667	-0,113543	0,92431532	---
17508850	8,247043	8,757973	8,051074	8,107292	8,206816	8,40139	8,35203	8,238499333	-0,11353067	0,924323222	Msr1
17322278	3,423033	4,106093	3,42703	3,472418	3,508268	3,634881	3,652052	3,538522333	-0,11352967	0,924323862	---
17521211	8,635961	8,35814	8,340637	8,530526	8,17153	8,292174	8,4449127	8,33141	-0,11350267	0,924341161	Abhd14b
17431876	5,03606	5,157272	5,022706	4,973114	4,999302	4,903171	5,0720127	4,958529	-0,11348367	0,924353335	Gm16287
17385719	9,631615	9,307305	9,222741	9,285527	9,168939	9,366782	9,3872203	9,273749333	-0,113471	0,92436145	Dpp4
17241692	9,36264	9,358324	9,426128	9,220577	9,332991	9,253112	9,382364	9,268893333	-0,11347067	0,924361664	Cdk1
17457685	4,648573	4,660137	5,045104	4,7188	4,847987	4,446652	4,7846047	4,671146333	-0,11345833	0,924369566	---
17229020	10,4987	10,51302	10,43841	10,4376	10,21993	10,45223	10,483377	10,36992	-0,11345667	0,924370634	Fmo1
17415367	7,538007	7,202972	7,512013	7,270257	7,203027	7,439361	7,417664	7,304215	-0,113449	0,924375546	Ifna5
17219156	5,579123	5,515491	5,150419	5,460299	5,372769	5,071666	5,415011	5,301578	-0,113433	0,924385798	3110045C21Rik
17357072	6,105586	6,096693	6,151876	5,967169	6,046028	6,000783	6,1180517	6,00466	-0,11339167	0,924412282	Pla2g16
17494315	4,128819	3,92941	4,116136	4,222743	3,842124	3,769389	4,0581217	3,944752	-0,11336967	0,924426379	Olfr648
17311831	7,029381	7,375121	7,233895	7,121802	7,028168	7,148386	7,212799	7,099452	-0,113347	0,924440903	Trib1
17353781	5,808207	5,897532	5,818034	5,862788	5,631393	5,689635	5,8412577	5,727938667	-0,113319	0,924458845	Pcdhac2 // Pcdhac1 // Pcdha2 // Pcdha1
17544345	3,460505	3,353851	3,362176	3,233183	3,217612	3,385847	3,3921773	3,278880667	-0,11329667	0,924473156	4932411N23Rik
17457430	5,60804	6,111775	5,942402	5,727247	5,784747	5,810474	5,8874057	5,774156	-0,11324967	0,924503274	1110001J03Rik
17328823	5,557616	5,357759	5,904428	5,379186	5,536844	5,564042	5,606601	5,493357333	-0,11324367	0,924507119	Gsc2
17275161	5,541292	5,165012	5,825119	5,573342	5,330606	5,28785	5,5104743	5,397266	-0,11320833	0,924529761	Gm7008
17346107	8,167964	8,164435	8,183846	8,02272	8,058466	8,095484	8,1720817	8,05889	-0,11319167	0,924540442	Ubxn6
17204823	3,545046	4,331687	4,269978	3,607688	4,354763	3,844691	4,0489037	3,935714	-0,11318967	0,924541723	---
17289817	3,507603	3,75197	3,485844	3,535062	3,32694	3,543895	3,5818057	3,468632333	-0,11317333	0,924552191	---
17233022	12,96873	13,00506	12,96756	12,81043	12,82494	12,96647	12,98045	12,86728	-0,11317	0,924554327	Cd24a
17450830	8,929978	8,859937	8,71863	8,811251	8,545984	8,811857	8,8361817	8,723030667	-0,113151	0,924566503	Slc26a1
17204937	3,322899	3,693182	3,43968	3,188232	3,51943	3,408651	3,4852537	3,372104333	-0,11314933	0,924567571	---
17512854	7,260212	7,4554	7,203755	6,847559	7,192378	7,540044	7,3064557	7,193327	-0,11312867	0,924580816	---
17517276	4,007589	3,829093	3,817976	3,686472	3,79917	3,829767	3,884886	3,771803	-0,113083	0,924610083	Gm1715
17463650	9,48506	9,507677	9,4772	9,41051	9,284521	9,435658	9,489979	9,376896333	-0,11308267	0,924610296	2700089E24Rik
17338767	6,716883	6,593533	6,971794	6,858944	6,50491	6,579164	6,7607367	6,647672667	-0,113064	0,92462226	Kdm4b
17422257	4,985224	5,332933	5,239516	5,095233	5,117602	5,005675	5,185891	5,072836667	-0,11305433	0,924628455	Gm833
17423133	4,966729	4,629829	4,55243	4,796268	4,676448	4,337112	4,7163293	4,603276	-0,11305333	0,924629096	---
17391426	8,255132	8,475146	8,861671	8,546335	8,255919	8,450614	8,5306497	8,417622667	-0,113027	0,924645973	---
17470654	3,392308	2,95268	3,663158	3,115114	3,556383	2,997602	3,3360487	3,223033	-0,11301567	0,924653237	Vmn2r22
17547690	4,490075	4,789037	4,875538	4,494332	4,53658	4,78473	4,7182167	4,605214	-0,11300267	0,924661569	Rrm2 // Rrm2
17410424	8,886002	9,051735	8,941599	8,731219	8,957998	8,851141	8,9597787	8,846786	-0,11299267	0,924667978	Aimp1
17541115	4,003152	3,818776	3,948619	3,935359	3,66124	3,835011	3,9235157	3,810536667	-0,112979	0,924676738	---
17379480	3,499317	3,445871	3,646605	3,436079	3,602498	3,214285	3,5305977	3,417620667	-0,112977	0,92467802	---
17222925	8,104692	8,059826	7,95481	7,845765	7,948716	7,98602	8,039776	7,926833667	-0,11294233	0,924700239	Mfsd6
17481149	3,541816	3,500727	3,584543	3,417958	3,529191	3,341117	3,542362	3,429422	-0,11294	0,924701735	Olfr561
17363605	8,486477	8,416993	8,385819	8,279631	8,255738	8,415101	8,429763	8,316823333	-0,11293967	0,924701948	Pip5k1b
17284702	3,542414	3,757246	3,564757	3,623338	3,444563	3,457749	3,6214723	3,50855	-0,11292233	0,924713058	Gm10421
17256806	6,168455	6,28879	6,507084	6,136303	6,232382	6,256994	6,321443	6,208559667	-0,11288333	0,924738056	Rdm1
17382681	5,041641	4,947117	5,014095	4,959635	4,90629	4,798306	5,000951	4,888077	-0,112874	0,924744039	Gm996
17400901	4,789884	4,939398	4,987302	4,852888	4,701851	4,823261	4,905528	4,792666667	-0,11286133	0,924752158	Tbx15
17472635	4,941299	4,821703	4,972324	4,798819	4,733075	4,86486	4,9117753	4,798918	-0,11285733	0,924754722	1700060C16Rik
17407473	3,164066	3,268903	3,328561	3,072908	3,167665	3,182432	3,2538433	3,141001667	-0,11284167	0,924764764	Lce1k
17287304	3,315771	3,077371	3,559347	3,202516	3,22975	3,181761	3,3174963	3,204675667	-0,11282067	0,924778225	---
17377349	4,440802	4,490613	4,783107	4,332317	4,573814	4,470014	4,5715073	4,458715	-0,11279233	0,924796387	---
17381215	4,063908	4,033797	3,969774	3,934829	4,009986	3,784369	4,022493	3,909728	-0,112765	0,924813908	Meig1
17320410	4,487558	4,470809	4,671626	4,331747	4,415184	4,54478	4,543331	4,430570333	-0,11276067	0,924816686	---
17353639	7,874472	7,569754	7,535069	7,617857	7,719706	7,303532	7,6559765	7,547031667	-0,11273333	0,924834208	Dnajc18
17346950	9,296394	9,509027	9,692039	9,39714	9,222906	9,539244	9,4991533	9,38643	-0,11272333	0,924840618	Mir1195 // Mir1195
17549206	9,296394	9,509027	9,692039	9,39714	9,222906	9,539244	9,4991533	9,38643	-0,11272333	0,924840618	---
17550080	9,296394	9,509027	9,692039	9,39714	9,222906	9,539244	9,4991533	9,38643	-0,11272333	0,924840618	---
17221057	2,820484	3,162045	3,047793	2,873788	2,829404	2,988973	3,0101073	2,897388333	-0,112719	0,924843396	---
17250567	5,000865	4,854087	5,191456	4,815433	4,795114	5,097707	5,0154693	4,902751333	-0,112718	0,924844037	Aldh3a1
17524969	9,36862	9,40868	9,427445	9,245715	9,293839	9,327044	9,4015817	9,288866	-0,11271567	0,924845533	Anln
17201617	4,271077	4,365731	4,963258	4,414618	4,449491	4,397812	4,5333553	4,420640333	-0,112715	0,92484561	---
17439178	4,193738	4,138967	4,003331	3,950669	3,942042	4,105206	4,112012	3,999305667	-0,11270633	0,924851516	2010109A12Rik
17310515	4,221733	4,171869	3,89606	3,885565	4,01575	4,050269	4,096554	3,983861333	-0,11269267	0,924860278	Cdh9
17351444	7,907182	8,195773	7,976082	7,981781	7,790155	7,969046	8,0263457	7,913660667	-0,112685	0,924865192	Chmp1b
17352173	2,929199	2,981502	3,183781	2,880442	3,076164	2,799848	3,031494	2,918818	-0,112676	0,924870962	---
17487619	4,683952	5,186353	4,094056	4,226902	4,883013	4,51649	4,654787	4,542135	-0,112652	0,924886348	Vmn1r149
17481248	4,692739	4,068467	4,508193	4,490368	4,216	4,225104	4,423133	4,310490667	-0,11264233	0,924892545	Olfr632
17439021	6,223058	6,109673	6,207578	5,973228	6,091202	6,138014	6,180103	6,067481333	-0,11262167	0,924905794	Ereg
17458718	6,165293	6,334952	6,366714	6,142375	6,205146	6,181642	6,2889863	6,176387667	-0,11259867	0,92492054	Prr15
17543024	4,955945	4,927001	4,748946	4,919121	4,560472	4,814522	4,8772973	4,764705	-0,11259233	0,9249246	Tmem47
17374594	6,021362	5,802989	6,240611	5,830055	5,892771	6,004447	6,021654	5,909091	-0,112563	0,924943406	Pak6
17217901	8,162806	8,237079	8,054736	7,892497	8,103461	8,121027	8,1515403	8,038995	-0,11254533	0,924954733	Zbtb41
17291692	7,601313	7,209665	7,568715	7,409378	7,378654	7,254067	7,4598977	7,347366333	-0,11253133	0,924963708	Wrnip1 // Wrnip1
17426043	6,157756	5,642198	5,601299	5,880792	5,542462	5,640429	5,8004177	5,687894333	-0,11252333	0,924968837	Gm2083 // Mup17
17351226	3,481527	3,299476	3,498718	3,192111	3,247112	3,502979	3,4265737	3,314067333	-0,11250633	0,924979737	---
17516257	4,035256	3,855707	4,447397	4,001184	4,081707	3,918088	4,1127867	4,000326333	-0,11246033	0,92500923	Olfr943
17548734	4,109022	4,188039	4,296208	4,235218	4,120719	3,899979	4,1977563	4,085305333	-0,112451	0,925015214	---
17336190	7,155039	7,263538	6,945786	6,99005	7,153351	6,883722	7,1214543	7,009041	-0,11241333	0,925039366	Ndufa7
17200141	3,521539	3,206467	3,694394	3,575703	2,815195	3,694291	3,4741333	3,361729667	-0,11240367	0,925045564	---

17373527	5,508452	5,457947	5,466335	5,358094	5,286389	5,451044	5,477578	5,365175667	-0,11240233	0,925046419	---	
17330162	7,631607	7,874203	7,67278	7,682569	7,775738	7,383143	7,7261967	7,613816667	-0,11238	0,925060739	BC117090	
17417437	8,948967	8,963431	8,886163	8,833171	8,76769	8,860567	8,9328537	8,820476	-0,11237767	0,925062235	Gpbp1l1	
17365444	7,571759	7,826961	7,362421	7,291777	7,688919	7,443332	7,587047	7,474676	-0,112371	0,92506651	Pcgf6	
17267186	5,597026	5,202403	5,788751	5,356256	5,42862	5,466269	5,5293933	5,417048333	-0,112345	0,925083181	9530048J24Rik	
17221215	9,877813	9,969409	9,848855	9,807354	9,773146	9,77862	9,9886923	9,786373333	-0,112319	0,925099853	Cops5	
17221989	4,257349	4,439662	4,092076	4,076179	4,299055	4,07693	4,263029	4,150721333	-0,11230767	0,92510712	---	
17458940	6,439953	6,592134	6,550348	6,495102	6,134242	6,616171	6,5274783	6,415171667	-0,11230667	0,925107761	Vmn1r9	
17242494	5,26108	5,243549	5,485738	5,385527	5,003419	5,264589	5,3301223	5,217845	-0,11227733	0,925126571	---	
17403168	4,65027	4,716766	4,723775	4,467917	4,751147	4,535022	4,696937	4,584695333	-0,11224167	0,925149443	B930007M17Rik	
17435089	7,362252	7,540112	7,342875	7,282062	7,45139	7,175143	7,4150797	7,302865	-0,11221467	0,925166757	Fgl2	
17471146	4,043409	4,093042	4,400746	4,020238	4,167296	4,013033	4,1790657	4,066855667	-0,11221	0,92516975	Gm10415	
17544220	4,247588	4,381711	4,584734	4,363412	4,440195	4,073829	4,4046777	4,292478667	-0,112199	0,925176804	Pof1b	
17392370	4,914797	4,948257	5,000764	4,836553	4,704199	4,986539	4,954606	4,842430333	-0,11217567	0,925191767	Gm5535	
17220533	7,650314	7,729634	7,720251	7,564673	7,633687	7,565329	7,7000663	7,587896333	-0,11217	0,925195401	Bpnt1	
17428786	8,296622	8,235655	8,406815	8,163596	8,243479	8,195523	8,3130307	8,200866	-0,11216467	0,925198821	Rps8	
17362922	7,113815	6,966389	6,615302	7,023964	6,504022	6,831029	6,898502	6,786338333	-0,11216367	0,925199463	Ms4a1	
17317486	9,503174	9,56443	9,369394	9,202001	9,466484	9,432038	9,4789993	9,366841	-0,11215833	0,925202883	Fam49b	
17366597	8,166134	8,072298	7,985891	7,974333	7,940639	7,972899	8,0747743	7,962623667	-0,11215067	0,9252078	Usp6nl	
17517142	6,043111	6,174384	6,242812	5,967028	6,107347	6,04954	6,1534357	6,041305	-0,11213067	0,925220626	Fdxacb1	
17461842	6,517057	6,852447	6,911741	6,597913	6,74338	6,603665	6,760415	6,648319333	-0,11209567	0,925243072	LOC100504971	
17550400	3,658072	3,638407	3,784216	3,558932	3,686276	3,499315	3,693565	3,581507667	-0,11205733	0,925267657	---	
17360570	4,427951	4,317636	4,015515	4,071035	4,524994	3,828921	4,2537007	4,14165	-0,11205067	0,925271932	9930023K05Rik	
17480349	5,452224	5,198356	5,380898	4,962321	5,124382	5,608623	5,343826	5,231775333	-0,11205067	0,925271932	Kctd14	
17200203	4,470236	4,301817	4,938485	4,085079	4,79145	4,497995	4,5701793	4,458174667	-0,11200467	0,925301435	---	
17502521	5,777136	5,889519	5,803315	5,691607	5,711586	5,730774	5,8233233	5,711322333	-0,112001	0,925303787	F2rl3	
17367807	6,189094	6,158884	6,34071	6,101353	6,036912	6,214449	6,2295627	6,117571333	-0,11199133	0,925309987	Nelf	
17208565	5,490748	5,356115	6,056707	5,677278	5,919662	4,970734	5,6345233	5,522558	-0,11196533	0,925326663	---	
17208969	4,198002	4,141517	4,490353	4,393727	4,098183	4,002185	4,276624	4,164698333	-0,11192567	0,925352105	---	
17239751	8,121509	8,668754	8,23812	7,980459	8,41822	8,293932	8,3427943	8,230870333	-0,111924	0,925353174	Snora33	
17411172	3,351596	3,166705	3,110411	3,170384	3,13055	2,99206	3,2095707	3,097664667	-0,111906	0,925364719	---	
17283764	7,132808	7,11403	7,273292	7,038932	7,135425	7,010073	7,1733767	7,061476667	-0,1119	0,925368567	Snhg10	
17377963	6,759242	6,715925	6,75232	6,429852	6,785702	6,676285	6,7424957	6,630613	-0,11188267	0,925379685	Dnmt3b	
17449523	7,467783	8,204122	7,48821	7,646682	7,430635	7,747221	7,7200383	7,608179333	-0,111859	0,925394866	---	
17527984	6,154518	6,227594	6,326814	6,154816	6,075254	6,143294	6,2363087	6,124454667	-0,111854	0,925398073	A730043L09	
17401205	5,967517	5,985576	6,111812	5,815184	5,903217	6,010944	6,021635	5,909781667	-0,11185333	0,925398501	Syt6	
17507665	3,237802	3,467232	4,008012	3,576777	3,200071	3,600651	3,5710153	3,459166333	-0,111849	0,92540128	AF366264	
17387750	4,706863	4,77347	4,869315	4,585351	4,632332	4,796479	4,783216	4,671387333	-0,11182867	0,925414323	Pramel7	
17528395	7,660707	7,515221	7,640419	7,607132	7,487185	7,386594	7,605449	7,493637	-0,111812	0,925425014	Aph1c	
17206389	5,390962	4,991778	5,160417	4,995498	4,915585	5,296639	5,1810523	5,069240667	-0,11181167	0,925425228	---	
17264097	5,378091	4,988101	4,90001	4,997404	5,147756	4,785609	5,088734	4,976923	-0,111811	0,925425655	---	
17425038	6,7456	7,038503	6,705424	6,505272	6,97852	6,670305	6,8298423	6,718032333	-0,11181	0,925426297	Nans // Nans	
17450414	6,523079	6,862419	6,817791	6,586714	6,649629	6,631528	6,7344297	6,622623667	-0,111806	0,925428863	Abcg3	
17437146	2,882196	2,896372	3,096131	2,907878	2,793586	2,837882	2,958233	2,846448667	-0,11178433	0,925442761	---	
17359008	10,36146	10,32218	10,37736	10,29704	10,19466	10,23397	10,353667	10,24189	-0,11177667	0,925447679		03/06/17
17494181	3,103816	3,21493	3,415416	2,902509	3,308478	3,187911	3,2447207	3,132966	-0,11175467	0,925461791	Olfr611	
17516300	3,936491	4,429363	3,955194	4,16461	3,899784	3,921508	4,107016	3,995300667	-0,11171533	0,925487023	Olfr981	
17254244	6,481047	6,323622	6,349991	6,184623	6,553419	6,081498	6,3848867	6,27318	-0,11170667	0,925492583	1700020L24Rik	
17219208	5,625214	5,164009	5,36543	5,36543	5,176253	5,277872	5,3848843	5,273185	-0,11169933	0,925497287	1700009P17Rik	
17333354	3,443601	3,521881	3,40057	3,337329	3,250237	3,44341	3,4553507	3,343658667	-0,111692	0,925501992	Tcp10b	
17302301	3,613419	3,434568	3,521547	3,322071	3,431592	3,480852	3,523178	3,411505	-0,111673	0,925514181	---	
17533577	7,717443	8,037045	7,825086	7,575029	7,907251	7,76233	7,859858	7,748203333	-0,11165467	0,925525942	Rbm10	
17342038	8,05351	8,110023	7,878327	7,714316	8,026324	7,966258	8,0139533	7,902299333	-0,111654	0,925526369	Fahd1	
17288430	4,346587	4,210738	4,526776	4,275802	4,362987	4,11036	4,361367	4,249716333	-0,11165067	0,925528508	1700100L14Rik // 1700100L14Rik	
17206097	2,966786	2,776676	3,108436	3,02806	2,759477	2,729419	2,9506327	2,838985333	-0,11164733	0,925530646	---	
17504367	11,79263	11,85019	11,87514	11,69114	11,78025	11,71168	11,83932	11,72769	-0,11163	0,925541766	Sap18 // Sap18	
17509031	4,132527	4,043473	4,257071	4,153269	4,013107	3,931818	4,144357	4,032731333	-0,11162567	0,925544546	Gm6329	
17203161	5,081999	4,051572	4,858431	4,233006	5,217132	4,20699	4,6640007	4,552376	-0,11162467	0,925545188	---	
17357226	11,60323	11,56262	11,74194	11,54204	11,59848	11,43247	11,63593	11,52433	-0,1116	0,925561012	---	
17202983	3,930894	4,144757	4,712909	4,830494	3,683742	3,939557	4,2628533	4,151264333	-0,111589	0,92556807	---	
17299968	4,373723	3,991023	4,074695	4,059093	3,991031	4,054565	4,1464803	4,034896333	-0,111584	0,925571277	---	
17412350	8,374787	8,459401	8,397682	8,236127	8,284361	8,376631	8,4106233	8,299039667	-0,11158367	0,925571491	Map3k7	
17230480	5,563414	5,530277	5,668387	5,517975	5,521531	5,387868	5,5873593	5,475791333	-0,111568	0,925581542	---	
17550741	3,674069	3,688806	3,852189	3,588439	3,573964	3,717961	3,7383547	3,626788	-0,11156667	0,925582398	---	
17333642	9,028224	9,334032	8,951999	8,8447	8,833472	9,301392	9,1047517	8,993188	-0,11156367	0,925584322	Zfp960 // Zfp960	
17548858	4,444018	4,182232	3,95115	4,127761	3,934027	4,180938	4,1924667	4,080908667	-0,111558	0,925587958	Xlr4a	
17210141	4,286231	5,400536	4,521689	4,78579	3,996079	5,091921	4,736152	4,624596667	-0,11155533	0,925589669	---	
17405621	3,243699	3,415491	2,834672	2,884238	3,223893	3,051074	3,1646207	3,053068333	-0,11155233	0,925591594	Vmn2r4	
17546192	8,587954	8,425225	8,226787	8,180505	8,393126	8,331718	8,413322	8,301783	-0,111539	0,925600148	Hccs	
17520251	3,393631	3,315325	3,183351	3,159789	3,351183	3,046746	3,2974357	3,185906	-0,11152967	0,925606136	---	
17319103	6,70227	6,657376	6,576096	6,30156	6,552038	6,747571	6,6452473	6,533723	-0,11152433	0,925609558	Gm10865 // Gm10865	
17379523	10,43671	10,55521	10,42951	10,29932	10,25348	10,53407	10,47381	10,36229	-0,11152	0,925612338	Ube2c	
17497729	7,259302	7,18274	7,337344	7,126097	7,182176	7,136564	7,2597953	7,148279	-0,11151633	0,92561469	Sigirr	
17514541	5,23645	5,395666	5,278295	5,231341	5,20306	5,141481	5,3034703	5,191960667	-0,11150967	0,925618968	Mmp10	
17233066	8,420753	9,278378	8,807491	8,18911	8,734219	9,24877	8,8355407	8,724033	-0,11150767	0,925620251	---	
17489241	7,066517	7,913569	7,762283	7,170038	7,783977	7,453901	7,5807897	7,469305333	-0,11148433	0,925635221	---	
17314824	6,120996	5,732059	5,863523	5,587364	6,008975	5,785796	5,905526	5,794045	-0,111481	0,92563736	---	
17281193	7,82216	7,973945	7,593647	7,593401	7,58567	7,876257	7,796584	7,685109333	-0,11147467	0,925641424	Ppp2r3c // Ppp2r3c	
17274050	5,506814	4,840987	5,211	4,847619	5,164393	5,212443	5,186267	5,074818333	-0,11144867	0,925658105	7420701I03Rik	
17305235	3,976163	3,91337	4,218772	3,837608	3,851263	4,085103	4,0361017	3,924658	-0,11144367	0,925661314	Dydc2	
17418403	7,34933	7,215011	7,28166	7,094665	7,126706	7,29032	7,2820003	7,170563667	-0,11143667	0,925665805	Rspo1	
17202191	3,348613	3,053003	3,148491	2,973156	3,053003	3,189692	3,183369	3,071950333	-0,11141867	0,925677354	---	
17267053	6,784582	6,255325	6,61263	6,311378	6,580274	6,426636	6,5508457	6,439429333	-0,11141633	0,925678851	---	
17201405	4,210737	4,662764	3,956654	4,039721	4,381765	4,074444	4,2767183	4,16531	-0,11140833	0,925683984	---	
17550166	5,406466	5,105631	6,130409	5,52744	5,179617	5,601349	5,547502	5,436135333	-0,11136667	0,92571072	---	
17420963	5,763801	5,719284	5,631067	5,811162	5,508667	5,460341	5,7047173	5,59339	-0,11132733	0,925735958	Spata21	
17482307	10,46112	10,54032	10,4053	10,36671	10,31861	10,38745	10,468913	10,35759	-0,11132333	0,925738525	Ppp1cc	
17475839	5,697152	5,752644	5,787678	5,434274	5,802208	5,667124	5,7458247	5,634535333	-0,11128933	0,925760342	Gmfg	
17294228	5,155461	5,188115	5,105368	5,054372	4,955515	5,105195	5,149648	5,038360667	-0,11128733	0,925761626	Gm20554	
17453064	4,494411	4,390411	4,607637	4,426362	4,454988	4,27726	4,4974863	4,386203333	-0,111283	0,925764406	Rimbp2	
17384927	7,677721	7,723397	7,546131	7,487691	7,548954	7,576793	7,649083	7,537812667	-0,11127033	0,925772534	Gtdc1	
17508394	3,596269	3,703055	3,902666	3,770522	3,5059	3,591789	3,7339967	3,622737	-0,11125967	0,925779379	---	
17522547	6,119968	6,544224	5,943182	6,019448	6,082752	6,171402	6,202458	6,091200667	-0,11125733	0,925780876	Rtp3 // Rtp3	
17434285	6,42382	6,63434	6,893717	6,715707	6,403249	6,499161	6,6506257	6,539372333	-0,11125333	0,925783443	Ccl21a	
17302031	5,555398	5,21176	5,288771	5,17646	5,186504	5,359241	5,3519763	5,240735	-0,11124133	0,925791144	Siah3	
17336062	3,547879	3,665669	3,568791	3,549812	3,427814	3,471019	3,594113	3,482881667	-0,11123133	0,925797561	LOC100861596	
17225173	12,47916	12,7505	12,61294	12,47121	12,49324	12,54451	12,6142	12,50298667	-0,11121333	0,925809112	Snord82	
17284860	3,620023	3,602731	3,735232	3,376152	3,744872	3,503349	3,652662	3,541457667	-0,11120433	0,925814887	Speer6-ps1	
17236638	7,368377	7,330749	7,294047	7,254649	7,086639	7,318332	7,3310577	7,219873333	-0,11118433	0,925827722	Fgd6	
17483716	5,739042	5,832863	6,117171	5,581182	5,93746	5,83691	5,8963587	5,785184	-0,11117467	0,925833925	Slc5a2	
17255042	5,55724	5,303802	5,577361	5,476178	5,401917	5,226797	5,4794677	5,368297333	-0,11117033	0,925836706	Dgke	
17210059	4,171213	4,464853	4,289684	4,094298	3,887419	4,610542	4,3085833	4,197419667	-0,11116367	0,925840984	---	
17290980	3,70662	3,614044	3,598563	3,54179	3,320879	3,723069	3,6397423	3,528579333	-0,111163	0,925841412	Olfr1366	
17330093	3,085086	3,651848	3,417145	3,340138	3,264814	3,215642	3,384693	3,273531333	-0,11116167	0,925842268	---	
17494717	4,100578	4,214056	4,414929	4,470179	3,909668	4,016306	4,2431877	4,132051	-0,11113667	0,925858312	Olfr6	
17413384	7,0405	7,13386	7,037977	7,138567	6,752785	6,987621	7,070779	6,959657667	-0,11112133	0,925868152	Rgp1	
17372942	3,397111	3,311486	3,575579	3,365682	3,251407	3,333744	3,4280587	3,316944333	-0,11111433	0,925872644	Olfr1258	
17402408	5,192216	4,969073	4,779785	5,683936	3,764235	5,159646	4,980358	4,869272333	-0,11108567	0,925891042	---	
17503910	8,203704	8,186564	8,144257	8,077279	8,090431	8,033576	8,178175	8,067095333	-0,11107967	0,925894893	Ogfod1	
17323068	9,437798	9,466631	9,622091	9,266056	9,332272	9,594987	9,50884	9,397771667	-0,11106833	0,925902166	---	
17267581	4,366917	4,184245	4,611588	4,474538	4,203826	4,15122	4,3875833	4,276528	-0,11105533	0,925910509	---	
17353333	5,817918	5,602188	6,16868	5,960384	5,710143	5,58513	5,8629287	5,751885667	-0,111043	0,925918425	A830052D11Rik	
17206983	6,843762	6,988954	7,036152	6,835019	6,930162	6,770588	6,9562893	6,845256333	-0,111033	0,925924843	---	
17499813	4,055387	3,818549	3,75068	3,885931	3,683698	3,721891	3,874872	3,76384	-0,111032	0,925925485	Defb50	
17212016	5,132215	4,734244	4,68571	4,741392	4,837733	4,63995	4,850723	4,739691667	-0,11103133	0,925925912	---	
17245202	9,264698	9,351641	9,2757	9,15	9,191109	9,217944	9,2973463	9,186351	-0,11099533	0,925949018	Yeats4	
17292168	3,153574	2,976487	3,449571	3,007154	3,150165	3,089381	3,1932107	3,082233333	-0,11097733	0,92596057	---	
17516993	10,2765	10,39596	10,27334	10,21274	10,23863	10,16154	10,315267	10,20430333	-0,11096333	0,925969556	Nhp2l1	
17500919	5,562304	5,546681	5,629741	5,491171	5,351708	5,563013	5,5795753	5,468630667	-0,11094467	0,925981537	Sorbs2	
17484000	3,914949	3,965897	4,041747	3,918132	3,929994	3,741674	3,9741977	3,863266667	-0,110931	0,925990309	Fam24a	
17414173	8,358926	8,585309	8,380555	8,378312	8,339759	8,274001	8,4415967	8,330690667	-0,110906	0,926006355	Nipsnap3b	
17286566	5,181231	5,27061	5,268761	4,880421	5,152275	5,355246	5,2402007	5,129314	-0,11088667	0,926018765	---	
17455740	3,600753	3,260427	2,961319	3,136616	3,262568	3,090671	3,2741663	3,163285	-0,11088133	0,926022188	---	
17386685	4,97719	5,062771	5,026245	4,950103	4,858141	4,925358	5,0220687	4,911200667	-0,110868	0,926030746	---	
17368685	6,441434	6,461822	6,372991	6,315944	6,282797	6,344903	6,4254157	6,314548	-0,11086767	0,92603096	Ralgds	
17310582	2,984045	3,053003	3,305652	2,980289	3,018262	3,011639	3,1142333	3,003396667	-0,11083667	0,926050859	---	
17235239	5,474271	5,495478	5,570691	5,437778	5,429749	5,340432	5,51348	5,402653	-0,110827	0,926057064	1600002K03Rik	
17483220	9,368208	9,506473	9,306246	9,309327	9,360644	9,178513	9,9336423	9,282828	-0,11081433	0,926065194	Cdipt	
17272019	6,293198	6,417446	6,386396	6,047867	6,290072	6,426704	6,36568	6,254881	-0,110799	0,926075037	Caskin2	
17547634	10,44362	10,59637	10,4496	10,33563	10,40521	10,41637	10,49653	10,38573667	-0,11079333	0,926078674	Kpnb1	
17285143	4,559068	4,547161	4,905754	4,769013	4,517924	4,392701	4,670661	4,559879333	-0,11078167	0,926086163	---	
17270508	7,608846	7,71615	7,464566	7,433734	7,499839	7,523725	7,5965207	7,485766	-0,11075467	0,926103495	Plekhm1	
17206183	5,212512	5,534633	4,921131	5,097084	5,086599	5,152361	5,2227587	5,112014667	-0,110744	0,926110342	---	
17456560	5,714972	5,626711	6,037062	5,6016	5,879017	5,565931	5,792915	5,682182667	-0,11073233	0,926117831	Fam71f2	

17525088	3,311822	3,331477	3,442609	3,202933	3,217708	3,333123	3,3619693	3,251254667	-0,11071467	0,926129172	---	
17343117	3,312895	4,136012	3,259315	3,538801	3,534135	3,303232	3,5694073	3,458722667	-0,11068467	0,926148431	---	
17376780	4,402804	4,405635	4,450189	4,265171	4,442692	4,21873	4,4195427	4,308864333	-0,11067833	0,926152497	---	
17467306	3,62067	3,702031	3,748561	3,733608	3,487459	3,518206	3,6904207	3,57975767	-0,110663	0,92616234	Vmn1r39	
17488975	7,324259	7,53332	7,532754	7,336228	7,419057	7,303124	7,4634443	7,352803	-0,11064133	0,926176249	Tbcb	
17489936	3,59885	3,50926	3,818003	3,477012	3,607999	3,50926	3,6420377	3,531423667	-0,110614	0,926193797	---	
17351082	4,241643	4,064649	4,173025	4,283549	3,942032	3,92196	4,1597723	4,049180333	-0,110592	0,926207921	Pde6a	
17475597	6,488648	6,641328	6,616425	6,38081	6,585901	6,447945	6,5821337	6,471552	-0,11058167	0,926214555	Sertad1	
17299449	3,921986	3,888402	3,771961	3,788274	3,540412	3,921929	3,860783	3,750205	-0,110578	0,926216909	4933429O19Rik	
17205805	3,777905	3,442638	3,999506	3,45321	3,857708	3,577402	3,7400163	3,62944	-0,11057633	0,926217979	---	
17387571	5,134875	4,880538	5,073639	4,952128	4,913505	4,891691	5,029684	4,919108	-0,110576	0,926218193	Olfr987	
17509944	6,023995	5,732121	6,004258	5,944495	5,81204	5,672121	5,9201247	5,809552	-0,11057267	0,926220333	Ncan	
17498057	5,37809	4,81311	5,337296	4,982644	5,07401	5,140126	5,1761653	5,065593333	-0,110572	0,926220761	Gm4553	
17537730	5,712711	5,985425	5,834729	5,782019	5,699217	5,719991	5,8442883	5,733742333	-0,110546	0,926237453	Armcx4	
17456545	5,199987	4,994887	5,016057	4,972993	4,861217	5,045083	5,0703103	4,959764333	-0,110546	0,926237453	Lep	
17459010	3,046442	2,998012	2,977503	2,850041	2,920171	2,920127	3,007319	2,896779667	-0,11053933	0,926241733	Vmn1r29	
17303695	10,91901	10,88937	10,75474	10,64814	10,77882	10,8046	10,854373	10,74385333	-0,11052	0,926254146	2700060E02Rik	
17498892	7,891275	7,917285	7,893396	7,73995	7,734044	7,896425	7,900652	7,790139667	-0,11051233	0,926259068	Abhd13	
17380093	4,267355	4,097864	4,148247	3,879897	4,362325	3,939759	4,1711553	4,060660333	-0,110495	0,926270197	---	
17508775	6,384317	6,248134	6,302212	6,139398	6,255735	6,20806	6,3115543	6,201064333	-0,11049	0,926273407	Mfhas1	
17443430	8,740708	8,588638	8,729969	8,526206	8,634434	8,567341	8,6864383	8,575993667	-0,11044467	0,926302513	Polr2j	
17213295	10,46777	10,64658	10,57241	10,50934	10,43546	10,41065	10,562253	10,45181667	-0,11043667	0,92630765	Nop58	
17337142	6,537861	6,869142	6,790361	6,85096	6,434842	6,580274	6,7324547	6,622025333	-0,11042933	0,926312358	H2-Q10	
17399802	4,753723	4,475518	4,598657	4,661102	4,467721	4,367801	4,6092993	4,498874667	-0,11042467	0,926315355	S100a4	
17376664	3,188023	2,934185	2,988647	3,060479	3,029922	2,689211	3,0369517	2,926537333	-0,11041433	0,92632199	---	
17508994	4,817334	4,728158	4,84385	4,703393	4,75357	4,601145	4,7964473	4,6860336	-0,11041133	0,926323916	Zfp42	
17448256	4,970431	4,60992	5,243229	4,914414	4,756395	4,821666	4,9411933	4,830825	-0,11036833	0,926351526	---	
17257067	6,609951	6,756195	6,677645	6,668283	6,487647	6,556825	6,6812637	6,570918333	-0,11034533	0,926366294	Acbd4	
17389291	4,133889	4,003225	3,916348	3,931466	3,951227	3,839761	4,0178207	3,907484667	-0,110336	0,926372287	Olfr1305	
17426011	6,018926	5,617553	5,386971	5,636378	5,357343	5,698785	5,6744833	5,564168667	-0,11031467	0,926385986	Mup8	
17499748	3,766245	3,742232	3,652611	3,656148	3,480082	3,693979	3,7203627	3,610069667	-0,110293	0,926399898	Gm15293	
17302287	3,508822	3,28851	3,034883	3,106981	3,179027	3,21545	3,277405	3,167152667	-0,11025233	0,926426012	---	
17547462	2,904436	3,46986	3,265349	3,286526	3,093125	2,929259	3,213215	3,10297	-0,110245	0,926430721	---	
17312280	7,777328	7,972073	7,755497	7,841062	7,84347	7,489694	7,834966	7,724742	-0,110224	0,926444206	Gsdmd	
17284591	7,132005	6,834163	6,906627	7,161839	6,460219	6,920145	6,9575983	6,847401	-0,11019733	0,926461331	---	
17266724	5,22286	4,87843	4,898829	4,737401	4,897709	5,034462	5,0000397	4,889857333	-0,11018233	0,926470964	C030013C21Rik	
17311551	9,262732	9,433846	8,944517	9,132541	9,114108	9,064014	9,2136983	9,103554333	-0,110144	0,926495581	Col14a1	
17518563	5,116571	4,740066	5,139423	5,066826	4,906121	4,692757	4,9986867	4,888568	-0,11011867	0,92651185	Rasl12	
17384202	5,532374	5,359378	5,732239	5,560601	5,31728	5,415832	5,5413303	5,431237667	-0,11009267	0,926528548	9430024E24Rik	
17372377	4,710433	4,327509	4,498129	4,296805	4,463586	4,445454	4,5120237	4,401948333	-0,11007533	0,926539679	Ppp1r1c	
17336874	5,680165	5,451988	5,564302	5,410192	5,655575	5,300528	5,565485	5,455431667	-0,11005333	0,926553809	D17H6S56E-3	
17439861	7,417189	7,729884	7,694709	7,731493	7,332315	7,447879	7,6139273	7,503895667	-0,11003167	0,926567724	BC005561	
17548201	5,684244	5,661013	6,070498	5,647219	5,793749	5,644693	5,8052517	5,695220333	-0,11003133	0,926567938	Fbxw5 // Fbxw5	
17474797	4,773354	4,859175	4,794221	4,941578	4,605686	4,549512	4,8089167	4,698925333	-0,10999133	0,926593628	Vmn1r157	
17547717	4,649478	4,708717	5,121968	4,645859	4,826996	4,677368	4,826721	4,716741	-0,10998	0,926600907	---	
17243406	5,444552	4,947434	5,463739	5,281273	5,233654	5,010922	5,2852417	5,175283	-0,10995867	0,926614609	Tle6	
17539519	7,578836	7,55585	7,538572	7,532219	7,274158	7,537051	7,5577527	7,447809333	-0,10994333	0,926624457	Pir	
17328884	8,473284	8,59148	8,434424	8,424723	8,364088	8,380553	8,4997293	8,389788	-0,10994133	0,926625742	Ranbp1	
17281529	8,852977	8,902118	8,778697	8,807648	8,729145	8,667324	8,8445973	8,734705667	-0,10989167	0,926657643	Nemf	
17504005	11,24406	11,30342	11,34699	11,13498	11,24543	11,18441	11,298157	11,18827333	-0,10988333	0,926662995	Herpud1	
17221502	5,783737	5,902085	6,011413	5,632134	5,985669	5,749793	5,8990783	5,789198667	-0,10987967	0,926665351	Jph1	
17411716	5,460861	5,464007	5,390434	5,200094	5,305347	5,48026	5,438434	5,328567	-0,109867	0,926673487	4930412C18Rik	
17419420	7,003713	7,245569	7,429554	6,979605	7,12628	7,243382	7,2262787	7,116422333	-0,10985633	0,926680338	---	
17252754	10,6452	10,97267	10,96648	10,53738	10,92229	10,79523	10,86145	10,75163333	-0,10981667	0,926705817	---	
17504572	8,192358	8,59565	8,202454	8,359427	7,940301	8,361287	8,330154	8,220338333	-0,10981567	0,92670646	Ces2g	
17208175	6,065308	5,221043	6,138883	6,01889	5,112375	5,964533	5,8084113	5,698599333	-0,109812	0,926708815	---	
17231252	5,951303	5,800332	6,050754	5,975618	5,713859	5,783555	5,9341297	5,824344	-0,10978567	0,92672573	Camk1g	
17240022	5,656457	5,676258	5,767779	5,460855	5,648714	5,661586	5,7001647	5,590385	-0,10977967	0,926729584	Cenpw	
17547606	5,905484	5,717551	6,005167	5,731761	5,762521	5,8046	5,8760673	5,766294	-0,10977333	0,926733653	Gm9734	
17275151	7,630539	7,326474	7,402966	7,602497	7,241971	7,186193	7,4533263	7,343553667	-0,10977267	0,926734081	---	
17383430	7,535739	7,696548	7,601163	7,54641	7,451937	7,505792	7,61115	7,501379667	-0,10977033	0,92673558	Gtf3c4	
17384422	11,6538	11,52417	11,54219	11,49023	11,45319	11,44744	11,573387	11,46362	-0,10976667	0,926737935	AI182371	
17455673	5,516439	5,56585	5,03939	4,977642	5,492047	5,322718	5,373893	5,264135667	-0,10975733	0,926743931	---	
17447735	3,274113	3,489318	3,156721	3,512484	3,103461	2,974998	3,3067173	3,196981	-0,10973633	0,92675742	---	
17548211	6,644129	7,020603	7,006835	6,552932	6,927443	6,862006	6,8905223	6,780793667	-0,10972867	0,926762345	---	
17421858	4,80187	4,71244	4,476871	4,513216	4,473464	4,675365	4,663727	4,554015	-0,109712	0,926773052	Spsb1	
17289289	7,054728	7,186509	7,271988	6,988739	7,193315	7,002057	7,171075	7,061370333	-0,10970467	0,926777763	Poc5	
17223300	5,029406	4,744893	5,092401	4,774817	5,106461	4,656333	4,9555667	4,845870333	-0,10969633	0,926783116	BC055402	
17548040	5,231718	4,929171	5,186768	4,81502	5,024837	5,178745	5,1158857	5,006200667	-0,109685	0,926790396	Gm10554	
17500332	5,144938	4,461096	4,865499	4,861149	4,605655	4,675703	4,8238443	4,714169	-0,10967533	0,926796606	Gm9731	
17278124	3,997279	4,008112	3,581455	3,651922	3,813061	3,792847	3,862282	3,75261	-0,109672	0,926798748	Cox8c	
17487208	4,654897	4,384192	4,426548	4,765	4,114558	4,257129	4,4885457	4,378895667	-0,10965	0,926812881	---	
17520582	4,307918	4,064638	4,783814	4,425677	3,937401	4,464351	4,3854567	4,275809667	-0,109647	0,926814808	C430002N11Rik	
17368184	3,889456	3,777074	4,041051	3,793085	3,949835	3,635749	3,902527	3,792889667	-0,10963733	0,926821018	Lcn3	
17520416	10,09054	9,940409	10,17775	10,05921	9,948657	9,871922	10,069566	9,959929667	-0,10963667	0,926821446	Paqr9	
17274389	6,98231	6,646598	6,824357	6,584279	6,993319	6,546775	6,817755	6,708124333	-0,10963067	0,926825301	---	
17538194	4,330656	4,143352	4,516142	4,374771	4,181985	4,104525	4,33005	4,220427	-0,109623	0,926830226	Vsig1	
17463654	5,503044	5,382849	5,289867	5,55204	5,135396	5,159542	5,39192	5,282326	-0,109594	0,926848857	---	
17464638	8,857323	8,892194	8,794316	8,674815	8,811271	8,728993	8,8479443	8,738359667	-0,10958467	0,926854853	Pon2	
17247332	3,872028	3,524831	3,673162	3,852573	3,431555	3,457157	3,690007	3,580428333	-0,10957867	0,926858708	---	
17378640	6,357575	6,339128	6,428355	6,285836	6,130205	6,380287	6,3750193	6,265442667	-0,10957667	0,926859993	Dlgap4	
17537190	10,94993	10,81048	10,81001	10,80244	10,6842	10,75505	10,856807	10,74723	-0,10957667	0,926859993	Sh3bgrl	
17306638	6,878954	7,034279	6,80847	6,676153	6,891443	6,8254	6,9072343	6,797665333	-0,109569	0,926864918	Ap1g2	
17246636	7,649412	7,867809	7,734353	7,838697	7,437162	7,647014	7,7505247	7,640957667	-0,109567	0,926866203	Morc2a	
17282281	5,724861	5,540174	5,768289	5,438405	5,508661	5,757568	5,6777747	5,568211333	-0,10956333	0,926868559	0610009B14Rik	
17538079	5,907722	5,467115	5,43677	5,518283	5,50717	5,457496	5,603869	5,494316333	-0,10955267	0,926875412	D330045A20Rik	
17315530	3,687214	3,740114	3,777343	3,550725	3,715627	3,609703	3,7348903	3,625351667	-0,10953867	0,926884406	Hoxc5	
17536026	6,144671	6,199246	6,400295	6,59037	6,106295	5,718951	6,2480707	6,138538667	-0,109532	0,926888689	---	
17344555	3,96067	3,886083	3,966021	3,881645	3,827236	3,775306	3,9375913	3,828062333	-0,109529	0,926890617	---	
17334780	6,003527	5,847776	5,973129	5,80198	5,947493	5,746431	5,9414773	5,831968	-0,10950933	0,926903252	Metrn // Metrn	
17458960	3,79282	3,551477	4,252568	3,780117	3,812314	3,675927	3,8656217	3,756119333	-0,10950233	0,926907749	Vmn1r20	
17304186	7,038548	6,817694	7,158484	6,950133	6,765236	6,970852	7,0049087	6,895407	-0,10950167	0,926908178	Plac9	
17341319	3,723058	3,645543	3,672543	3,680681	3,6076	3,424402	3,6803813	3,570894333	-0,109487	0,926917601	Vmn2r108	
17310770	5,161294	5,00458	4,710007	5,304711	4,566566	4,676162	4,958627	4,849146333	-0,10948067	0,92692167	---	
17550032	5,161294	5,00458	4,710007	5,304711	4,566566	4,676162	4,958627	4,849146333	-0,10948067	0,92692167	---	
17221245	11,76593	11,91078	11,86468	11,6842	11,78426	11,7445	11,84713	11,73765333	-0,10947667	0,92692424	---	
17519509	7,26739	7,598291	7,310718	7,108954	7,375104	7,363914	7,392133	7,282657333	-0,10947567	0,926924882	Leo1	
17448787	9,058952	8,982105	9,259794	8,579398	8,621521	9,771525	9,1002837	8,990814667	-0,109469	0,926929166	---	
17479897	4,834873	5,103462	4,861232	4,798388	4,819829	4,852948	4,933189	4,823721667	-0,10946733	0,926930237	Gm20077	
17498592	4,320054	4,34707	4,295618	4,246615	4,241539	4,146228	4,320914	4,211460667	-0,10945333	0,926939232	1700019B03Rik	
17433858	4,485355	4,171216	4,438841	4,423171	4,320232	4,02374	4,3651373	4,255714333	-0,109423	0,926958721	---	
17355565	9,467902	9,332758	9,233798	9,148447	9,211373	9,346425	9,3448193	9,235415	-0,10940433	0,926970715	Slc14a1	
17433803	4,987598	4,474772	4,539462	4,491984	4,635059	4,54661	4,6672773	4,557884333	-0,109393	0,926977997	5830444B04Rik	
17336245	6,818582	6,987575	7,080422	7,028754	6,746107	6,783662	6,962193	6,852841	-0,109352	0,927004341	Rgl2	
17516135	4,394364	4,911597	4,739696	4,291572	4,791329	4,634723	4,6818857	4,572541333	-0,10934433	0,927009267	Olfr887	
17439481	10,55786	10,59169	10,55872	10,40134	10,43768	10,54125	10,569423	10,46009	-0,10933333	0,927016335	Bmp2k	
17347839	4,20681	4,396391	4,87126	4,269952	4,40593	4,470643	4,491487	4,382175	-0,109312	0,927030043	Six2	
17433353	8,123872	8,166097	8,150723	7,922319	8,09688	8,093583	8,1468973	8,037594	-0,10930333	0,927035612	Vamp3	
17208475	7,245585	6,83207	6,867762	6,904586	7,111226	6,6017	6,9818057	6,872504	-0,10930167	0,927036683	---	
17316867	3,674163	3,692858	3,644832	3,65149	3,642447	3,390043	3,6706177	3,561326667	-0,109291	0,927043537	4930523O13Rik	
17263444	3,484602	3,534135	3,666859	3,529789	3,421065	3,406877	3,5618653	3,4527577	-0,10928833	0,927045251	Olfr223	
17464718	10,23621	10,39399	10,46746	10,42201	10,2464	10,10143	10,365887	10,25661333	-0,10927333	0,92705489	Asns	
17344456	7,784501	7,810627	7,806387	7,769398	7,699372	7,605145	7,800505	7,691305	-0,1092	0,927102014	2310061I04Rik	
17325991	3,948703	3,966796	3,897295	4,055606	3,666353	3,763264	3,937598	3,828407667	-0,10919033	0,927108226	---	
17453087	9,102921	9,094113	9,149055	8,973902	9,077621	8,966999	9,115363	9,006174	-0,109189	0,927109083	Stx2	
17202943	3,919673	3,343488	3,676833	3,275395	3,127676	4,209361	3,6466647	3,537477333	-0,10918733	0,927110154	---	
17224977	4,807096	4,479072	4,851249	4,785144	4,4642	4,560517	4,7124723	4,603287	-0,10918533	0,927111439	Dner	
17214220	8,453549	8,094117	8,26125	7,980008	8,277526	8,223946	8,2696387	8,160493333	-0,10914533	0,927137144	Ctdsp1	
17334449	9,313319	9,358158	9,384522	9,338057	9,16222	9,228325	9,3519997	9,242867333	-0,10913233	0,927145499	Hagh	
17429008	8,571502	8,394569	8,437343	8,388802	8,285373	8,401888	8,4678047	8,358687667	-0,109117	0,927155353	St3gal3	
17434167	3,788095	3,896949	3,53288	3,649651	3,73321	3,507727	3,739308	3,630196	-0,109112	0,927158566	Vmn2r122	
17281783	5,271008	5,155781	5,244469	5,109659	5,083127	5,151145	5,2237527	5,114643667	-0,109109	0,927160494	Dact1 // Dact1	
17549070	6,226285	6,307932	6,502848	6,035333	6,361259	6,313164	6,3456883	6,236585333	-0,109103	0,92716435	---	
17205259	3,511687	3,720249	3,249862	3,170158	3,511668	3,472668	3,4939327	3,384831333	-0,10910133	0,927165421	---	
17209449	3,511687	3,720249	3,249862	3,170158	3,511668	3,472668	3,4939327	3,384831333	-0,10910133	0,927165421	---	
17415130	5,080867	4,940807	5,022601	4,876903	4,925971	4,914136	5,0147583	4,90567	-0,10908833	0,927173776	Gm12680	
17418260	9,668629	9,418251	9,049002	9,184104	9,23869	9,38591	9,3786273	9,269568	-0,10905933	0,927192413	---	
17319700	6,761198	7,093987	6,798358	6,650017	6,440935	7,235473	6,8845143	6,775475	-0,10903933	0,927205267	---	
17465298	8,810434	8,832855	8,736586	8,559909	8,729584	8,763332	8,7932917	8,684275	-0,10901667	0,927219835	Zfp800	
17387700	5,380427	4,878272	4,484036	4,769629	4,995839	4,650226	4,914245	4,805231333	-0,10901367	0,927221763	Olfr1085	
17236339	7,429286	7,519679	7,187374	7,311965	7,218024	7,279522	7,3787797	7,269837	-0,10894267	0,927267396	Gnptab	
17396521	5,190764	5,034448	5,094931	5,074275	5,050221	4,868819	5,1067143	4,997771667	-0,10894267	0,927267396	Egfem1	
17203035	4,041594	3,566289	3,919512	3,922017	3,58198	3,696594	3,842465	3,733530333	-0,10893467	0,927272538	---	
17279608	8,817999	9,082537	9,19591	8,948295	8,915693	8,905684	9,0321487	8,923224	-0,10892467	0,927278965	Ncapg2	

17389009	9,749416	9,999244	9,81279	9,786913	9,664628	9,783144	9,8538167	9,744895	-0,10892167	0,927280893	Eif3m
17232202	8,871064	8,654202	8,568116	8,447091	8,599778	8,719751	8,697794	8,588873333	-0,10892067	0,927281536	Stx7
17209947	7,575074	7,25173	7,425105	7,420846	7,094748	7,409576	7,417303	7,30839	-0,108913	0,927286464	---
17205105	4,323597	3,752135	4,339259	4,190877	4,516726	3,380715	4,1383303	4,029439333	-0,108891	0,927300604	---
17209295	4,323597	3,752135	4,339259	4,190877	4,516726	3,380715	4,1383303	4,029439333	-0,108891	0,927300604	---
17227675	8,618447	8,900791	8,782072	8,566588	8,680604	8,727575	8,7671033	8,658255667	-0,10884767	0,927328457	Cfhr2
17548730	4,619948	4,615957	4,617911	4,455618	4,55056	4,521117	4,6179387	4,509098333	-0,10884033	0,927333171	---
17418945	7,230802	6,942641	7,215548	6,918199	7,044506	7,099809	7,1296637	7,020838	-0,10882567	0,927342599	Fndc5
17469280	4,037058	3,359447	3,529671	3,819382	3,381381	3,398947	3,6420587	3,533236667	-0,108822	0,927344955	---
17391233	8,363381	8,560973	8,430912	8,262239	8,524122	8,242455	8,4517553	8,342938667	-0,10881667	0,927348384	Itpripl1
17345926	6,240228	6,124465	6,177514	6,084538	6,02567	6,105551	6,1807357	6,071919667	-0,108816	0,927348812	Satb1
17294680	6,109194	6,135231	5,939923	6,01221	6,071578	5,774119	6,0614493	5,952635667	-0,10881367	0,927350312	Mir3961 // Mir3961
17505239	8,437447	8,475127	8,440687	8,283002	8,42162	8,322249	8,451087	8,342290333	-0,10879667	0,927361239	Nip7
17305133	5,395744	5,197969	5,120732	5,164862	5,213549	5,009706	5,2381483	5,129372333	-0,108776	0,927374524	Rgr
17281202	8,073922	7,995978	7,852165	7,627829	7,956509	8,011412	7,9740217	7,86525	-0,10877167	0,92737731	Ppp2r3c
17414866	3,981426	3,356858	3,548304	3,488358	3,709026	3,362971	3,6288627	3,520118333	-0,10874433	0,92739488	---
17345186	10,3743	10,41869	10,30281	10,18035	10,33709	10,25217	10,365267	10,25653667	-0,10873	0,927404094	Hsp90ab1
17220604	7,74143	7,997303	7,985825	7,82451	7,837116	7,73686	7,908186	7,799495333	-0,10869067	0,927429379	1700007P06Rik // 1700007P06Rik
17324667	6,790361	6,285836	5,814138	7,08946	4,982644	6,492204	6,2967783	6,188102667	-0,10867567	0,927439021	---
17341205	8,082956	8,131391	7,951023	7,862612	8,007977	7,968788	8,0551233	7,946459	-0,10866433	0,927446307	Tbp // Tbp
17316493	8,037975	8,460511	8,523414	8,230037	8,17706	8,288816	8,3406333	8,231971	-0,10866233	0,927447593	---
17349764	8,712723	8,8368	8,556347	8,607509	8,60351	8,568864	8,7019567	8,593294333	-0,10866233	0,927447593	Wdr55
17493912	3,189363	3,223498	3,386153	3,164709	2,904524	3,403799	3,266338	3,157677333	-0,10866067	0,927448664	Art2b
17334123	4,319926	4,043418	4,480456	4,343854	4,059297	4,114762	4,2812667	4,172637667	-0,108629	0,927469021	---
17308916	8,631882	8,569329	8,450158	8,440475	8,337834	8,547207	8,5504563	8,441838667	-0,10861767	0,927476307	Wbp4
17387788	3,952084	3,556171	3,722015	3,620083	3,676684	3,607658	3,7434233	3,634808333	-0,108615	0,927478022	Olfr1157
17365198	9,431396	9,902525	9,624354	9,538507	9,479033	9,614911	9,6527583	9,544150333	-0,108608	0,927482522	---
17287372	4,673696	4,778067	5,109263	4,93063	4,63188	4,672703	4,8536753	4,745071	-0,10860433	0,927484879	4921525O09Rik
17218694	5,021377	4,930493	5,204397	5,034336	4,817632	4,97853	5,052089	4,943499333	-0,10858967	0,927494308	Ankrd45
17397679	4,757139	5,057436	4,986031	4,888436	4,768344	4,81813	4,9335353	4,82497	-0,10856533	0,927509952	A730037C10Rik
17237077	2,971101	3,034415	3,196425	3,135672	2,938844	2,80176	3,0673137	2,958758667	-0,108555	0,927516595	---
17427462	8,173336	8,142965	7,871622	7,984751	8,043967	7,833543	8,062641	7,954087	-0,108554	0,927517238	Tm2d1
17479006	8,932319	8,993419	9,09339	8,967031	8,994408	8,732079	9,006376	8,897839333	-0,10853667	0,927528382	Chsy1
17440117	6,762073	6,751312	6,496271	6,652812	6,699833	6,331447	6,6698853	6,561364	-0,10852133	0,92753824	Rpl5
17309802	8,61653	8,39316	8,513271	8,292243	8,476851	8,428337	8,5076537	8,399143667	-0,10851	0,927545526	Oxct1
17415421	3,661905	3,522982	3,619815	3,459036	3,556257	3,46388	3,6015673	3,493057667	-0,10850967	0,927545741	---
17509851	7,083729	6,924792	7,28789	6,937757	7,255517	6,77762	7,0988037	6,990298	-0,10850567	0,927548312	Zfp869
17498360	5,57306	5,673537	6,096439	5,937396	5,447949	5,632229	5,781012	5,672524667	-0,10848733	0,9275601	Mrgprg
17445869	8,826301	9,043066	9,00239	8,885442	8,78034	8,880525	8,9572523	8,848769	-0,10848333	0,927562671	Dnajc2
17372833	2,797203	2,930218	2,874088	2,820965	2,815713	2,639422	2,8671697	2,7587	-0,10846967	0,927571458	Olfr1118
17508168	4,0724	3,796944	4,236798	4,050642	3,742797	3,98735	4,0353807	3,926929667	-0,108451	0,92758346	---
17377344	6,070531	5,89725	6,475003	6,075198	6,097581	5,944737	6,1475947	6,039172	-0,10842267	0,927601677	Sstr4
17366629	2,924045	2,888172	3,03124	2,883016	2,806699	2,828477	2,947819	2,839397333	-0,10842167	0,92760232	---
17511677	11,21255	11,54613	11,26015	11,33417	11,10755	11,25188	11,33961	11,2312	-0,10841	0,927609821	Ces1c
17381302	7,737327	7,533357	7,04559	6,994958	7,238992	7,757107	7,438758	7,330352333	-0,10840567	0,927612607	Phyh // Phyh
17252405	11,28268	11,22569	11,19967	11,1344	10,91529	11,33315	11,236013	11,12761333	-0,1084	0,927616251	---
17537962	5,925373	5,900127	6,28719	6,034656	5,98723	5,765631	6,0375633	5,929172333	-0,108391	0,927622038	Plp1
17201633	4,135568	3,98424	3,616798	3,697683	3,842751	3,871048	3,912202	3,803827333	-0,10837467	0,92763254	---
17372294	8,458736	8,379961	8,317333	8,201614	8,202566	8,426794	8,3853433	8,276991333	-0,108352	0,927647114	Ube2e3
17386444	3,991832	4,064626	4,183804	3,936479	4,00877	3,969959	4,0800873	3,971736	-0,10835133	0,927647543	---
17448335	10,38828	10,496	10,40761	10,33271	10,29667	10,33747	10,43063	10,32228333	-0,10834667	0,927650544	Pds5a
17523659	5,284374	5,43469	5,162848	4,978212	5,1854	5,393303	5,2939707	5,185638333	-0,10833233	0,92765976	Ccr5
17450950	6,030605	5,821033	5,859201	5,73124	5,839297	5,815318	5,903613	5,795285	-0,108328	0,927662546	AB010352 // AB010352
17265277	5,626417	5,257062	5,695973	5,451326	5,448574	5,354628	5,526484	5,418176	-0,108308	0,927675407	Vmo1
17205155	5,866257	6,593151	6,516613	6,635403	5,963193	6,052551	6,3253403	6,217049	-0,10829133	0,927686124	---
17209345	5,866257	6,593151	6,516613	6,635403	5,963193	6,052551	6,3253403	6,217049	-0,10829133	0,927686124	---
17527988	6,855896	6,684398	6,826934	6,722238	6,69397	6,626163	6,789076	6,680790333	-0,10828567	0,927689767	Spesp1
17376599	4,158224	4,205305	4,123828	3,991484	4,060739	4,110293	4,1624523	4,054172	-0,10828033	0,927693197	AU019990 // AU019990
17281106	3,03427	3,458537	3,145827	3,141406	3,043437	3,128995	3,212878	3,104612667	-0,10826533	0,927702842	---
17534752	3,892619	3,806405	3,970835	3,590747	4,034732	3,719653	3,889953	3,781710667	-0,10824233	0,927717632	4933416I08Rik
17402146	9,089615	9,257749	9,039251	8,948764	9,149789	8,963344	9,1288717	9,020632333	-0,10823933	0,927719561	Alg14
17374743	6,039168	5,810074	5,832081	5,778111	5,908907	5,669669	5,8937743	5,785562333	-0,108212	0,927737138	Gm14137
17300155	3,14584	2,907622	3,005938	2,848976	2,97514	2,91068	3,0198	2,911598667	-0,10820133	0,927743997	Trav7-4 // Trav7-4
17248747	5,290232	5,238038	5,269558	5,023507	5,288813	5,160915	5,2659427	5,157745	-0,10819767	0,927746355	Sox30
17207957	5,918914	5,798348	6,311194	6,072492	5,821217	5,810259	6,0094853	5,901322667	-0,10816267	0,927768863	---
17260603	4,413597	4,611941	4,397758	4,489853	4,333478	4,275571	4,474432	4,366300667	-0,10813133	0,927789013	Zpbp
17342011	8,124828	8,570572	8,680307	8,560317	8,185151	8,305919	8,458569	8,350462333	-0,10810667	0,927804876	---
17487562	3,978309	3,981643	3,904094	3,849324	3,635073	4,055331	3,954682	3,846576	-0,108106	0,927805305	Vmn1r121
17388974	7,958276	8,095807	7,750125	7,8131	7,618827	8,048063	7,934736	7,826663333	-0,10807267	0,927826742	Depdc7
17444806	5,541722	5,396961	5,388428	5,44844	5,192005	5,362451	5,4423703	5,334298667	-0,10807167	0,927827385	Rasl11a
17413570	4,066091	4,483144	4,357869	4,015921	4,278426	4,288548	4,302368	4,194298333	-0,10806967	0,927828671	---
17311839	2,910545	2,952328	2,973156	2,699018	2,902277	2,910545	2,945343	2,83728	-0,108063	0,927832959	---
17434310	9,32509	9,357965	9,288147	9,237432	9,153606	9,255983	9,323734	9,215673667	-0,10806033	0,927834674	Fam133b
17425010	5,428666	5,407444	5,468585	5,348171	5,270427	5,36193	5,4348983	5,326842667	-0,10805567	0,927837675	Foxe1
17239102	5,249835	5,462746	5,187831	5,050769	5,21895	5,306676	5,3001373	5,192131667	-0,10800567	0,927869832	Ust
17534615	5,287552	5,405519	5,209913	5,446325	5,012091	5,120679	5,3009947	5,193031667	-0,107963	0,927897273	Rab33a
17229277	5,839811	5,527291	5,84271	5,519636	5,36541	6,000905	5,736604	5,628650333	-0,10795367	0,927903276	Rcsd1
17421764	4,161294	3,449471	3,747909	3,579344	4,056084	3,399397	3,7862247	3,678275	-0,10794967	0,927905849	---
17361703	6,851391	6,753542	6,847321	6,749631	6,546748	6,832334	6,817418	6,709571	-0,107847	0,927971884	Pcnxl3
17240661	4,111008	3,676845	3,701436	3,705522	3,752798	3,707447	3,829763	3,721922333	-0,10784067	0,927975958	---
17233708	6,873529	6,910423	6,909154	6,803337	6,994453	6,571852	6,897702	6,789880667	-0,10782133	0,927988394	Lrrc20
17397936	11,20673	11,17707	11,15991	11,05204	11,10698	11,06125	11,181237	11,07342333	-0,10781333	0,927993539	Mbnl1
17312675	5,316313	5,402437	5,154324	5,51079	4,759041	5,279807	5,2910247	5,183212667	-0,107812	0,927994397	Gm8221
17355391	8,533136	8,727394	8,589711	8,474833	8,547842	8,504165	8,616747	8,508946667	-0,10780033	0,928001902	Me2
17324859	6,206485	6,09139	6,140062	6,074443	6,001966	6,038159	6,145979	6,038189333	-0,10778967	0,928008763	Tnk2
17541705	4,504254	4,075754	4,318178	4,071261	4,229939	4,273619	4,2993953	4,191606333	-0,107789	0,928009192	Kis2
17462905	10,95622	10,84157	10,9174	10,79405	10,7473	10,85053	10,905063	10,79729333	-0,10777	0,928021413	Lpcat3
17213473	4,503623	4,346652	4,699487	4,71753	4,202916	4,306008	4,5165873	4,408818	-0,10776933	0,928021842	---
17410905	3,253162	3,480968	3,440889	3,255645	3,066822	3,529259	3,391673	3,283908667	-0,10776433	0,928025059	AI747448
17477766	5,095069	5,285119	5,21703	5,108408	5,018953	5,146569	5,1990727	5,09131	-0,10776267	0,928026131	1700039E15Rik
17510578	8,329525	8,483315	8,266486	8,265306	8,239305	8,251436	8,3597753	8,252015667	-0,10775967	0,92802806	9130011J15Rik
17414032	4,164105	4,587949	4,554169	4,297466	4,607682	4,077806	4,4354077	4,327651333	-0,10775633	0,928030205	Murc
17308965	8,661598	8,718593	8,660992	8,624948	8,431966	8,661027	8,6803943	8,572647	-0,10774733	0,928035994	Diap3
17532078	4,988701	4,60103	4,936494	4,73737	4,759042	4,706592	4,842075	4,734334667	-0,10774033	0,928040497	Slc22a14
17202927	4,498181	4,970591	4,401837	4,406516	4,76909	4,371809	4,6235363	4,515805	-0,10773133	0,928046286	---
17400177	7,532641	7,488311	7,444204	7,316751	7,449611	7,375617	7,4883853	7,380659667	-0,10772567	0,928049932	Rfx5
17372021	4,06424	4,154315	4,246659	4,1135	4,107152	3,921404	4,1550713	4,047352	-0,10771933	0,928054006	Chn1 // Chn1
17428749	6,291837	5,825529	6,196754	5,804162	6,011761	6,175101	6,1047067	5,997008	-0,10769867	0,9280673	1700021J08Rik
17353985	9,699246	9,710896	9,710454	9,664188	9,558807	9,57453	9,7068653	9,599175	-0,10769033	0,928072661	Nr3c1
17402406	4,080904	4,166285	4,369619	4,18205	4,112525	3,999182	4,2056027	4,097919	-0,10768367	0,928076949	---
17534746	5,567452	5,477956	5,435962	5,279182	5,442228	5,436938	5,49379	5,386116	-0,107674	0,928083168	Cxx1c
17444756	3,626761	3,869228	3,416054	3,599711	3,599711	3,389632	3,6373477	3,529684667	-0,107663	0,928090244	4930449I24Rik
17215982	3,918926	3,838372	4,950632	4,256736	4,129606	3,998619	4,2359767	4,128320333	-0,10765633	0,928094533	---
17514087	7,38885	7,280287	7,193981	7,293357	7,088925	7,157909	7,287706	7,180063667	-0,10764233	0,928103539	2310022B05Rik
17273973	5,056571	5,007532	5,612539	5,034284	5,140825	5,178758	5,2255473	5,117955667	-0,10759167	0,928136134	Matn3
17376212	5,351264	5,314012	5,393782	5,272747	5,238675	5,224904	5,3530193	5,245442	-0,10757733	0,928145356	Tgm6
17340737	4,204302	4,168159	4,156435	3,84513	4,356314	4,004745	4,1762987	4,068729667	-0,107569	0,928150717	Gm16702
17283216	6,36733	6,435887	6,335536	6,276739	6,17099	6,368342	6,3795843	6,272023667	-0,10756067	0,928156078	2610021K21Rik
17329904	4,597298	4,4424	4,076334	4,22581	4,3715	4,195994	4,3720107	4,264468	-0,10754267	0,928167658	---
17244572	8,183331	8,264774	8,112521	7,992717	8,039798	8,205492	8,1868753	8,079335667	-0,10753967	0,928169588	Tmtc3
17217846	4,859235	4,308594	3,919355	3,766502	4,694662	4,303425	4,3623947	4,254863	-0,10753167	0,928174735	Mir181b-1
17380612	5,252695	5,231911	5,571716	5,134238	5,323324	5,276218	5,3521073	5,244593333	-0,107514	0,928186101	Cdh26
17219171	5,330173	5,368896	4,793486	5,163302	5,177566	4,829165	5,164185	5,056677667	-0,10750733	0,928190391	Sh2d1b1
17334052	3,024926	3,090239	2,942413	2,822377	2,973156	2,939525	3,0191927	2,911686	-0,10750667	0,928190819	Vmn2r116
17438528	2,984808	3,088166	3,01939	2,997401	2,666326	3,106149	3,030788	2,923292	-0,107496	0,928197682	---
17241294	6,213885	6,127339	6,423947	6,256812	6,016369	6,169524	6,255057	6,147568333	-0,10748867	0,9282024	2010107G23Rik
17389844	4,871225	4,94616	5,218637	4,622585	5,121243	4,969738	5,0120073	4,904522	-0,10748533	0,928204545	Rhov
17387670	5,068824	5,09705	4,607865	5,063402	4,488059	4,899888	4,9245797	4,817116333	-0,10746333	0,928218699	Olfr1057
17495307	8,35778	8,704162	8,347087	8,422009	8,271404	8,393318	8,4696763	8,362243667	-0,10743267	0,92823843	---
17497895	5,883429	5,756662	5,947854	5,840867	5,72624	5,698553	5,8626483	5,75522	-0,10742833	0,928241218	Cend1
17397129	5,143714	5,042513	5,183977	5,046911	4,89662	5,104393	5,1234013	5,015974667	-0,10742667	0,928242291	Fgf2
17226194	8,60119	8,676705	8,652276	8,531273	8,48448	8,592256	8,6433903	8,536003	-0,10738733	0,928267598	Ralb
17342529	4,869648	4,962565	4,605374	4,8003	4,696424	4,618712	4,812529	4,705145333	-0,10738367	0,928269958	Nhlrc4
17257035	6,168033	6,050077	6,104945	6,010078	5,994249	5,9966	6,107685	6,000309	-0,107376	0,928274891	Eftud2
17257036	6,168033	6,050077	6,104945	6,010078	5,994249	5,9966	6,107685	6,000309	-0,107376	0,928274891	---
17293089	9,900075	9,893149	9,826169	9,717699	9,768425	9,811141	9,873131	9,765755	-0,107376	0,928274891	Ubqln1
17468523	5,290425	5,103727	5,402457	5,116279	5,974602	4,383676	5,2655363	5,158185667	-0,10735067	0,928291191	---
17326725	5,896562	5,613625	5,635813	5,532105	5,650034	5,641852	5,7153333	5,607997	-0,10733633	0,928300414	4930478L05Rik
17536933	6,664476	6,448824	6,67744	6,613554	6,43476	6,420421	6,5969133	6,489578333	-0,107335	0,928301272	Dmrtc1c1
17543732	6,664476	6,448824	6,67744	6,613554	6,43476	6,420421	6,5969133	6,489578333	-0,107335	0,928301272	Dmrtc1c1
17405672	11,13956	11,17293	11,13431	11,16277	10,69534	11,26673	11,148933	11,04161333	-0,10732	0,928310924	---
17351446	6,863667	6,947371	6,873719	6,79705	6,837403	6,728379	6,894919	6,787610667	-0,10730833	0,928318431	Impa2
17205629	4,737378	3,96008	4,28364	3,871773	4,701957	4,085459	4,3270327	4,219729667	-0,107303	0,928321862	---
17443065	3,941253	4,122285	3,901571	3,824565	4,000542	3,818099	3,9883697	3,881068667	-0,107301	0,928323149	---

17258765	5,07332	4,963397	5,222051	5,067591	4,750846	5,118512	5,086256	4,978983	-0,107273	0,928341166	---	
17407481	4,378758	4,440678	4,694817	4,458738	4,442893	4,290832	4,504751	4,397487667	-0,10726333	0,928347387	Lce1l	
17505478	12,18406	12,04919	11,96177	12,10713	11,7349	12,03122	12,065007	11,95775	-0,10725667	0,928351677	Tat	
17339039	3,023598	3,067397	2,960146	2,762011	2,971627	2,995746	3,017047	2,909794667	-0,10725233	0,928354465	---	
17475175	6,648971	6,135862	6,275995	6,229296	6,439066	6,070749	6,3536093	6,246370333	-0,107239	0,928363045	D930028M14Rik	
17292172	3,188881	3,108148	3,106457	3,051563	2,96614	3,06409	3,1344953	3,027264333	-0,107231	0,928368193	---	
17231477	7,891895	7,63713	7,476908	7,57588	7,621955	7,486427	7,6686443	7,561420667	-0,10722367	0,928372912	Myct1	
17281963	6,418668	6,35277	6,43024	6,259404	6,406604	6,214046	6,4005593	6,293351333	-0,107208	0,928382993	Wdr89	
17275832	7,815221	7,913047	7,782632	7,744021	7,700475	7,744836	7,8369667	7,729777333	-0,10718933	0,928395006	Fancm	
17202243	7,027603	6,941258	6,601082	6,843035	6,710984	6,694377	6,8566477	6,749465333	-0,10718233	0,92839951	---	
17528541	5,37046	5,408458	5,620943	5,477058	5,169853	5,431418	5,4666203	5,359443	-0,10717733	0,928402728	4930502A04Rik	
17414061	7,675835	7,54276	7,349338	7,34492	7,491951	7,409548	7,5226443	7,415473	-0,10717133	0,928406589	Zfp189	
17478785	5,443295	5,029801	4,923024	5,146382	5,07875	4,849545	5,13204	5,024892333	-0,10714767	0,928421819	Gm7367	
17298460	7,482125	7,653518	7,566168	7,534597	7,501327	7,344562	7,5672703	7,460162	-0,10710833	0,928447132	Btd	
17283641	7,266572	7,72791	7,574898	7,340917	7,573636	7,333539	7,5231267	7,416030667	-0,107096	0,928455069	Serpina1e	
17468891	3,642571	3,433177	3,276226	3,471828	3,14384	3,415033	3,450658	3,343567	-0,107091	0,928458287	Vmn1r53	
17220762	9,497205	9,626645	9,78136	9,691525	9,20765	9,68481	9,63507	9,527995	-0,107075	0,928468584	---	
17311504	9,775613	9,670056	9,581786	9,622773	9,467353	9,616204	9,6758183	9,568776667	-0,10704167	0,928490036	Colec10	
17471440	3,613855	3,86176	4,291613	3,683324	3,868343	3,894473	3,9224093	3,81538	-0,10702933	0,928497974	---	
17221244	12,16329	12,10632	12,13988	12,19069	11,94078	11,95695	12,136497	12,02947333	-0,10702333	0,928501835	---	
17549548	6,80777	6,995454	7,07765	6,526237	6,711923	7,321671	6,9602913	6,853277	-0,10701433	0,928507627	---	
17549704	6,80777	6,995454	7,07765	6,526237	6,711923	7,321671	6,9602913	6,853277	-0,10701433	0,928507627	---	
17498041	6,500498	6,702759	6,476084	6,183599	6,410049	6,764805	6,5597803	6,452817667	-0,10696267	0,92854088	Dusp8	
17342761	8,220084	8,153233	8,401001	8,227641	8,206113	8,019689	8,258106	8,151147667	-0,10695833	0,928543669	Rps10	
17399010	4,951177	4,984193	5,090901	4,940432	5,101926	4,663083	5,008757	4,901813667	-0,10694333	0,928553324	Mir9-1	
17446022	3,187317	3,150026	3,277964	3,071916	3,277512	2,94505	3,2051023	3,098159333	-0,106943	0,928553538	---	
17547789	5,843602	5,432921	5,45616	5,481999	5,396281	5,53361	5,577561	5,47063	-0,106931	0,928561262	---	
17285486	4,211052	4,205415	4,210738	4,443655	3,697587	4,165242	4,2090683	4,102161333	-0,106907	0,928576709	---	
17339501	6,139823	6,173175	6,205312	6,017485	6,159374	6,020738	6,17277	6,065865667	-0,10690433	0,928578425	---	
17306186	4,25385	4,061129	4,46966	3,807994	4,441361	4,214606	4,2615463	4,154653667	-0,10689267	0,928585934	Olfr221	
17356672	4,977567	4,814224	5,092801	4,749156	4,828264	4,986514	4,9615307	4,854644667	-0,106886	0,928590225	1700123I01Rik	
17295054	6,231712	5,939481	6,198839	5,844727	6,014713	6,189958	6,123344	6,016466	-0,106878	0,928595375	Gm9776	
17545618	5,778775	5,611373	5,672624	5,488678	5,48531	5,768179	5,6875907	5,580722333	-0,10686833	0,928601597	Ptchd1	
17548771	5,468776	4,928658	5,25291	5,177948	5,052361	5,099432	5,2167813	5,109913667	-0,10686767	0,928602026	Gm19654	
17403735	5,390718	5,018376	5,162792	4,961348	5,212882	5,077076	5,1906287	5,083768667	-0,10686	0,928606961	Asb17	
17311733	4,696775	4,768513	4,491595	4,537478	4,582955	4,515878	4,6522943	4,545437	-0,10685733	0,928608677	Fer1l6	
17207635	6,43289	6,660059	6,825987	6,458887	6,860933	6,278575	6,6396453	6,532798333	-0,106847	0,928615328	---	
17388590	3,078364	3,070695	3,010071	3,09949	3,018916	2,720233	3,0530433	2,946213	-0,10683033	0,928626056	---	
17205957	5,174446	4,692897	4,678152	4,872213	4,707318	4,645483	4,8484983	4,741671333	-0,106827	0,928628202	---	
17269974	5,018852	4,907724	5,207127	4,91762	4,956366	4,939264	5,0445677	4,93775	-0,10681767	0,928634209	Meox1	
17292507	3,403546	3,267359	3,306624	3,109683	3,21581	3,331656	3,325843	3,219049667	-0,10679333	0,928649872	---	
17488073	8,607582	9,150546	8,90946	8,897609	8,793134	8,656466	8,889196	8,782403	-0,106793	0,928650087	---	
17459504	7,473437	7,344314	7,532805	7,230254	7,455611	7,344314	7,4501853	7,343393	-0,10679233	0,928650516	Chmp3	
17317056	10,1481	10,53121	10,51187	10,53027	10,20857	10,13198	10,39706	10,29027333	-0,10678667	0,928654164	Enpp2	
17496945	4,163197	4,18953	4,147909	4,067748	4,336076	3,776546	4,1668787	4,060123333	-0,10675533	0,928674333	---	
17324959	10,34175	10,78493	10,69547	10,26861	10,64188	10,59148	10,607383	10,50065667	-0,10672667	0,928692786	---	
17290999	12,89066	12,9418	12,99783	12,85776	12,80341	12,84898	12,94343	12,83671667	-0,10671333	0,928701369	Hist1h4k	
17203151	3,3283	3,390981	3,270892	3,398798	3,208211	3,063027	3,3300577	3,223345333	-0,10671233	0,928702013	---	
17278765	9,062342	9,305419	9,274508	9,022691	9,240896	9,058603	9,2140897	9,107396667	-0,106693	0,928714458	AF357426	
17300071	4,38705	4,126593	5,010204	4,993151	4,317179	3,893457	4,507949	4,401262333	-0,10668667	0,928718535	---	
17522235	8,1907	8,518823	8,361367	8,223328	8,267832	8,259686	8,3569633	8,250282	-0,10668133	0,928721968	Cdc25a	
17292190	9,773199	9,899065	9,810597	9,652605	9,737408	9,772812	9,8276203	9,720941667	-0,10667867	0,928723685	Nup153	
17425374	5,267437	4,953407	5,543405	5,287476	5,057168	5,099589	5,2547497	5,148077667	-0,106672	0,928727977	---	
17491354	4,543987	3,956797	4,240764	4,214221	4,049227	4,158099	4,2471827	4,140515667	-0,106667	0,928731195	Mrgprb1	
17288420	4,299799	4,155374	4,269866	4,23877	4,051318	4,115041	4,2416797	4,135043	-0,10663667	0,928750723	4933416O17Rik	
17465856	7,111761	7,162343	7,266298	6,945922	7,092301	7,182428	7,180134	7,073550333	-0,10658367	0,928784843	Ptn	
17344329	7,759893	7,250512	7,776947	7,571861	7,492977	7,402884	7,595784	7,489240667	-0,10654333	0,928810809	---	
17295346	8,074482	8,392407	7,935282	7,821823	8,160846	8,099898	8,134057	8,027522333	-0,10653467	0,928816389	Utp15	
17303830	9,391417	9,357889	9,306266	9,289326	9,136532	9,310132	9,3518573	9,24533	-0,10652733	0,92882111	Ppp3cb	
17536339	6,563489	6,059676	5,623309	6,149982	6,018762	5,758152	6,082158	5,975632	-0,10652633	0,928821968	Zxdb	
17411145	2,8956	3,031758	3,078692	2,779874	2,981775	2,924832	3,0020167	2,895493667	-0,106523	0,9288239	Mir3963 // Mir3963	
17354430	2,90082	3,641202	3,084473	3,041631	3,386051	2,879249	3,2088317	3,102310333	-0,10652133	0,928824973	---	
17292390	5,590988	5,452378	5,911025	5,520267	5,515883	5,598689	5,6514637	5,544946333	-0,10651733	0,928827548	Wnk2	
17428851	7,033663	7,699434	7,501348	7,866383	7,080606	6,967957	7,4114817	7,304982	-0,10649967	0,928838922	---	
17339218	4,064679	3,949525	4,236004	4,016946	3,903086	4,010713	4,0834027	3,976915	-0,10648767	0,928846648	Gm9984	
17288030	3,277915	3,313125	3,291275	3,26672	3,025286	3,270892	3,294105	3,187632667	-0,10647233	0,92885652	BC052688	
17269652	5,331041	5,209099	5,436446	5,155176	5,34622	5,155796	5,3255287	5,219064	-0,10646467	0,928861456	Kcnh4	
17221269	4,295041	4,077024	4,464422	3,921426	4,322167	4,273568	4,278829	4,172387	-0,106442	0,92887605	Cpa6	
17525454	4,056541	4,015299	3,675822	3,914995	3,936276	3,577096	3,9158873	3,809455667	-0,10643167	0,928882703	9230110F15Rik	
17307269	6,583332	6,548022	6,477376	6,530515	6,371288	6,387638	6,5362433	6,429813667	-0,10642967	0,928883991	Phf11	
17206049	5,807251	5,32697	5,552238	5,106179	5,835508	5,425487	5,562153	5,455724667	-0,10642833	0,928884849	---	
17448763	7,409576	6,415411	5,001981	6,285836	6,285836	5,936022	6,275656	6,169231333	-0,10642467	0,92888721	---	
17308914	4,953001	4,920878	5,388349	4,953537	4,940986	5,048438	5,0874093	4,980987	-0,10642233	0,928888712	---	
17346185	8,328796	8,42668	8,391702	8,210014	8,29684	8,321197	8,3823927	8,276017	-0,10637567	0,928918759	Dpp9	
17280552	8,808399	8,939061	8,781486	8,606986	8,826653	8,776208	8,842982	8,736615667	-0,10636633	0,928924769	Bcap29	
17407190	9,644179	9,938225	9,746387	9,715465	9,703514	9,590724	9,7762637	9,669901	-0,10636267	0,92892713	Hax1	
17231733	7,375015	7,44684	7,318582	7,235433	7,359235	7,2267	7,3801457	7,273789333	-0,10635633	0,928931208	Adat2	
17229923	4,523659	4,754322	4,898534	4,434517	4,802027	4,620973	4,725505	4,619172333	-0,10633267	0,928946447	4933439K11Rik	
17234477	5,39326	5,512709	6,027914	5,672304	5,463351	5,479244	5,6446277	5,538299667	-0,106328	0,928949451	Slc5a4a	
17341589	7,038384	6,911769	7,109211	6,739802	7,18161	6,819	7,019788	6,913470667	-0,10631733	0,92895632	Paqr4	
17274190	5,13533	4,940223	5,252577	4,909853	5,124655	4,974793	5,1093767	5,003100333	-0,10627633	0,92898272	Gm5432	
17304516	3,253861	3,148738	3,245415	3,138017	3,007149	3,184055	3,2160047	3,109740333	-0,10626433	0,928990447	---	
17213880	8,942857	9,038313	8,984584	8,831058	8,970565	8,845392	8,9885847	8,882338333	-0,10624633	0,929002038	Rpe	
17307046	6,962857	7,09454	6,776131	6,838339	6,850297	6,826225	6,9445093	6,838287	-0,10622233	0,929017493	Cenpj	
17384533	7,173916	7,259884	7,060314	7,074411	7,110642	6,990436	7,1647047	7,058496333	-0,10620833	0,929026508	Lhx6	
17206365	2,858603	3,088089	2,877658	3,000513	2,880181	2,625041	2,94145	2,835245	-0,106205	0,929028654	---	
17355455	4,995413	4,910424	5,227943	4,89393	4,957533	4,963735	5,0445933	4,938399333	-0,106194	0,929035738	2010010A06Rik	
17248821	3,860061	3,996096	3,951893	3,791	3,932766	3,765747	3,9360167	3,829837667	-0,106179	0,929045397	Gm12169	
17239702	8,260183	8,191851	7,884762	7,858011	8,093257	8,067052	8,1122653	8,006106667	-0,10615867	0,929058491	Tbpl1	
17255904	4,588496	4,770113	4,710753	4,560532	4,449961	4,740473	4,6897873	4,583655333	-0,106132	0,929075664	---	
17208697	4,90828	5,221177	5,839297	5,310339	5,176016	5,164009	5,322918	5,216788	-0,10613	0,929076952	---	
17343076	8,37892	8,750362	8,498596	8,041474	8,747896	8,520135	8,542626	8,436501667	-0,10612433	0,929080601	---	
17277307	6,854613	6,954163	7,077254	6,863842	6,854555	6,849272	6,96201	6,855889667	-0,10612033	0,929083177	Fcf1	
17303117	6,657763	6,383644	5,882008	6,270554	5,881545	6,452982	6,307805	6,201693667	-0,10611133	0,929088973	Gm3696	
17209019	5,979878	6,401258	6,182482	6,209071	6,316387	5,719832	6,1878727	6,081763333	-0,10610933	0,92909026	---	
17418223	4,203819	4,200871	4,307641	4,054204	4,22379	4,116084	4,2374437	4,131359333	-0,10608433	0,929106361	Rhbdl2	
17229958	3,05327	3,240702	3,157765	2,918827	3,078619	3,136184	3,150579	3,044543333	-0,10603567	0,929137704	---	
17417924	7,0738	6,76184	6,502848	7,049397	6,450257	6,520744	6,779496	6,673466	-0,10603	0,92914353	---	
17397774	8,093657	8,294289	8,157418	8,072103	8,041745	8,113449	8,181788	8,075765667	-0,10602233	0,929146291	Tsc22d2	
17240085	2,926757	2,850195	2,852469	2,778934	2,754791	2,777681	2,8764737	2,770468667	-0,106005	0,929157454	---	
17549964	2,926757	2,850195	2,852469	2,778934	2,754791	2,777681	2,8764737	2,770468667	-0,106005	0,929157454	---	
17443801	5,645142	6,565896	5,619384	5,513305	5,62755	6,371588	5,943474	5,837481	-0,105993	0,929165183	---	
17346990	9,195205	9,278861	9,101325	9,006912	9,090347	9,160179	9,191797	9,085812667	-0,10598433	0,929170764	Smchd1	
17529803	3,740397	4,014081	4,004862	3,914112	3,614303	3,913053	3,91978	3,813822667	-0,10595733	0,929188154	BC043934	
17425770	7,478565	7,411079	7,24632	7,265856	7,24127	7,310992	7,3786547	7,272706	-0,10594867	0,929193736	Ptgr1	
17400622	7,139822	7,15894	7,223825	7,123001	7,04281	7,038999	7,1741957	7,06827	-0,10592567	0,92920855	Lix1l	
17262591	4,709001	4,777101	4,949472	4,761617	4,680805	4,675389	4,811858	4,705937	-0,105921	0,929211555	Ppp2ca // Ppp2ca	
17414834	3,696884	3,694433	3,620902	3,319802	4,061192	3,313555	3,6707397	3,564849667	-0,10589	0,92923152	---	
17547899	3,164682	3,235749	3,315839	3,160607	3,140945	3,097091	3,2387567	3,132881	-0,10587567	0,929240754	Gm17756	
17237537	5,678521	5,289263	5,957445	5,856207	5,548185	5,203215	5,641743	5,535869	-0,105874	0,929241827	Lrrc10	
17285446	8,567541	7,983063	8,17051	7,950802	8,107561	8,345276	8,2403713	8,134546333	-0,105825	0,929273389	---	
17208295	7,364147	6,812769	7,603729	7,625805	7,10978	6,727586	7,260215	7,154390333	-0,10582467	0,929273604	---	
17459196	4,367887	4,483196	4,661308	4,415349	4,413601	4,366025	4,5041303	4,398325	-0,10580533	0,929286057	Tnip3	
17529793	9,64131	9,446516	9,36198	9,309785	9,313855	9,508757	9,4832687	9,377465667	-0,105803	0,92928756	Atp1b3	
17321989	4,41446	4,693369	4,552935	4,154122	4,613177	4,576063	4,553588	4,447787333	-0,10580067	0,929289063	Krt74	
17396056	10,1796	10,23496	10,21886	10,19943	10,02284	10,09375	10,21114	10,10534	-0,1058	0,929289492	Fabp5	
17457709	4,470063	4,513021	4,712655	4,373277	4,401295	4,603773	4,5652463	4,459448333	-0,105798	0,92929078	---	
17255485	5,882466	5,509145	5,935216	5,689547	5,711541	5,608365	5,775609	5,669817667	-0,10579133	0,929295075	---	
17526968	3,507556	3,304893	3,409142	3,241734	3,192478	3,470053	3,407197	3,301421667	-0,10577533	0,929305381	4833427G06Rik	
17226653	2,772282	3,029389	2,901003	2,843583	2,823622	2,718164	2,9008913	2,795123	-0,10576833	0,92930989	---	
17519895	11,90062	12,02848	11,92293	11,85048	11,81142	11,87295	11,950677	11,84495	-0,10572667	0,92933673	Rps27a // Rps27a	
17298057	9,128982	9,165482	9,090418	8,959249	8,994253	9,114237	9,128294	9,022579667	-0,10571433	0,929344675	D14Abb1e	
17426979	5,65847	6,00954	5,514851	5,779305	5,533854	5,552561	5,7276203	5,621906667	-0,10571367	0,929345104	Scarna8	
17476980	3,818706	3,241173	3,784548	3,486812	3,447057	3,593473	3,614809	3,509114	-0,105695	0,929357129	Vmn2r-ps54 // Vmn2r-ps54	
17512023	6,735036	6,686345	6,910072	6,795835	6,5808	6,637734	6,777151	6,671456333	-0,10569467	0,929357343	Prss54	
17209539	8,41492	8,695569	9,142987	8,608503	8,578368	8,749569	8,7511587	8,64548	-0,10567867	0,92936765	---	
17289840	5,289989	5,181684	5,682289	5,153405	5,351808	5,331799	5,384654	5,279004	-0,10565	0,929386117	---	
17358207	8,3692	8,582713	8,094861	7,940018	8,36746	8,422352	8,3489247	8,243276667	-0,105648	0,929387406	Gm19425	
17291469	3,644483	3,682692	3,645848	3,529813	3,613721	3,512591	3,6576743	3,552041667	-0,10563267	0,929397284	Prl7a1	
17298014	3,947312	4,018437	3,816176	3,94314	3,686464	3,835454	3,9273083	3,821686	-0,10562233	0,92940394	Hesx1	
17344696	4,449078	4,473253	4,254553	4,343452	4,222286	4,294345	4,3922947	4,286694333	-0,10560033	0,929418113	---	
17445268	10,24467	10,20424	10,15607	10,01724	10,12206	10,14896	10,20166	10,09608667	-0,10557333	0,929435507	Gatad1	
17467316	8,843989	9,089605	8,897016	8,564787	9,063138	8,886017	8,9435367	8,837980667	-0,105556	0,929446674	Gadd45a	
17449964	3,921018	3,897694	4,010257	3,858212	3,781209	3,872909	3,9429897	3,837443333	-0,10554633	0,929452902	Prkg2	

17346932	5,610013	5,410775	5,554987	5,556035	5,403445	5,299664	5,5252583	5,419714667	-0,10554367	0,92945462	5031415H12Rik		
17549780	5,242	4,434201	5,402471	5,150706	4,82937	4,782028	5,026224	4,920701333	-0,10552267	0,929468149	---		
17491999	7,396276	7,392601	7,458939	7,280838	7,392704	7,257737	7,4159387	7,310426333	-0,10551233	0,929474807	Lrrc28		
17466812	4,215365	4,435125	4,546287	4,477646	4,243151	4,159447	4,3989257	4,293414667	-0,105511	0,929475666	Hoxa3		
17487560	3,640416	3,998782	3,404404	3,531103	3,570139	3,625832	3,6812007	3,575691333	-0,10550933	0,929476739	Vmn1r120		
17203461	3,478914	3,405662	4,030622	3,345802	3,463333	3,789539	3,6383993	3,532891333	-0,105508	0,929477598	---		
17313767	8,925223	9,052768	8,903984	8,788692	8,861017	8,915751	8,9606583	8,855153333	-0,105505	0,929479531	Nup50		
17359562	2,945817	3,092518	3,16028	2,950284	3,08812	2,843719	3,066205	2,960707667	-0,10549733	0,929484471	---		
17207855	4,298483	4,735309	4,674705	4,904302	4,213678	4,274052	4,569499	4,464010667	-0,10548833	0,929490269	---		
17470846	5,819932	5,626829	5,863011	5,58089	5,690161	5,722276	5,769924	5,664442333	-0,10548167	0,929494564	Eno2		
17425355	4,052003	4,188989	4,490662	4,021399	4,127689	4,266167	4,2438847	4,138418333	-0,10546633	0,929504443	4930412L05Rik		
17323072	9,314619	9,280658	9,459521	9,358435	8,763449	9,616533	9,3515993	9,246139	-0,10546033	0,929508309	---		
17348079	9,150943	9,330188	9,25958	9,092678	9,203539	9,128124	9,2469037	9,141447	-0,10545667	0,929510671	Cul2		
17414408	4,539884	4,672178	4,66495	4,505831	4,484978	4,569881	4,6256707	4,52023	-0,10544067	0,92952098	Zkscan16		
17507882	3,743124	4,066649	3,904146	3,58579	3,915811	3,896029	3,9046397	3,79921	-0,10542967	0,929528067	Gm15056		
17285753	3,486654	3,356354	3,388719	3,319407	3,302419	3,293628	3,4105757	3,305151333	-0,10542433	0,929531504	Vmn1r195		
17548250	5,079142	5,093735	5,235002	5,021011	5,056916	5,013715	5,1359597	5,030547333	-0,10541233	0,929539235	Gm19343		
17498867	6,383504	6,383241	6,42797	6,201664	6,298716	6,37825	6,3982383	6,292876667	-0,10536167	0,929571881	Gm6410		
17435455	5,269317	5,088382	5,33321	5,106634	5,163276	5,104938	5,230303	5,124949333	-0,10535367	0,929577035	2900005J15Rik		
17310044	10,39236	10,35366	10,12975	10,24794	10,15668	10,15511	10,291923	10,18657667	-0,10534667	0,929581546	Lifr		
17211365	3,007697	3,321683	2,949586	2,836167	3,186397	2,940379	3,0929887	2,987647667	-0,105341	0,929585197	Mir206		
17550715	3,527459	3,332479	3,497678	3,227233	3,471741	3,342659	3,4525387	3,347211	-0,10532767	0,929593788	---		
17384173	7,114248	7,322525	7,408638	6,658044	7,419899	7,451503	7,2818037	7,176482	-0,10532167	0,929597654	---		
17448762	7,893939	8,461569	7,779315	7,593865	8,040866	8,184157	8,044941	7,939629333	-0,10531167	0,929604098	---		
17290939	5,638633	5,805545	5,391397	5,323168	5,624167	5,572314	5,6118583	5,506549667	-0,10530867	0,929606031	Pgbd1		
17218543	9,937636	9,975808	9,923123	9,82653	9,736061	9,958059	9,9455223	9,840216667	-0,10530567	0,929607964	Rfwd2		
17219431	4,069645	3,683035	3,887695	3,971159	3,675895	3,677409	3,880125	3,774821	-0,105304	0,929609038	---		
17358810	5,139402	5,112397	5,23376	4,852612	5,202819	5,114292	5,161853	5,056574333	-0,10527867	0,929625362	Ch25h		
17541618	8,289884	8,628178	8,393601	8,303391	8,365221	8,327252	8,437221	8,331954667	-0,10526633	0,929633309	Mbnl3		
17455608	7,440453	7,753129	7,665281	7,400398	7,675481	7,467227	7,619621	7,514368667	-0,10525233	0,92964233	Rfc3		
17399823	11,86281	12,05602	11,91888	11,83951	11,91868	11,76381	11,945903	11,84066667	-0,10523667	0,929652425	S100a8		
17212018	8,961382	9,188959	8,93662	8,895389	8,991571	8,884321	9,028987	8,923760333	-0,10522667	0,929658869	Eif5b		
17345085	4,573885	4,523785	4,685696	4,613388	4,246777	4,607522	4,5944553	4,489229	-0,10522633	0,929659084	D73004BJ04Rik		
17493358	7,965484	8,055282	7,713121	7,641957	7,890333	7,885937	7,9112957	7,806075667	-0,10522	0,929663165	4632434I11Rik		
17295792	4,286531	3,795729	4,047757	4,094342	4,000248	3,71978	4,043339	3,938123333	-0,10521567	0,929665958	4922502H24Rik		
17501686	3,918339	4,313985	3,947614	3,780133	4,027872	4,056342	4,0599793	3,954782333	-0,105197	0,929677986	---		
17287667	5,459428	5,222204	5,286342	5,154649	5,04027	5,457472	5,322658	5,217463667	-0,10519433	0,929679705	Slc34a1		
17410693	4,481371	4,05005	4,384467	4,124501	4,214063	4,26176	4,305296	4,200108	-0,105188	0,929683786	4930425O10Rik		
17202203	3,267365	3,476068	3,068129	2,877619	3,439165	3,179247	3,2705207	3,165343667	-0,105177	0,929690875	---		
17399645	6,227713	6,854794	6,366714	6,109516	6,346175	6,678075	6,4830737	6,377922	-0,10515167	0,9297072	---		
17312374	7,829364	7,825422	7,943987	7,874155	7,661987	7,747229	7,8662577	7,761123667	-0,105134	0,929718585	Gpaa1		
17478511	5,867309	5,77224	6,073271	5,893303	5,876335	5,627788	5,9042733	5,799142	-0,10513133	0,929720303	Siglech // Siglech		
17532137	8,139696	8,466197	8,256468	8,052674	8,205013	8,289429	8,2874537	8,182372	-0,10508167	0,929752311	Myd88		
17405675	10,22563	10,30514	10,49104	10,03437	10,55541	10,11681	10,340603	10,23553	-0,10507333	0,929757681	---		
17539758	4,609766	4,471067	4,549392	4,184662	4,744779	4,385593	4,5434083	4,438344667	-0,10506367	0,929763911	Mycs		
17529481	4,754674	4,451822	4,731837	4,688283	4,511011	4,423909	4,646111	4,541067667	-0,10504333	0,929777015	Tbx18		
17284034	4,380761	4,174554	4,230205	3,931903	4,281364	4,257131	4,26184	4,156799333	-0,10504067	0,929778734	---		
17389335	4,586685	4,918532	4,663659	4,777797	4,624262	4,451754	4,7229587	4,617937667	-0,105021	0,929791408	Chrm5		
17454214	8,17675	8,25253	7,775902	7,971282	7,790555	8,128285	8,068394	7,963374	-0,10502	0,929792053	Gm4963		
17254602	5,537791	5,804288	5,611819	5,44693	5,565447	5,626494	5,6512993	5,546290333	-0,105009	0,929799142	Tbx4		
17429886	5,673791	5,614164	5,611411	5,57548	5,546034	5,462863	5,633122	5,528125667	-0,10499633	0,929807306	Maneal		
17318907	10,20161	10,40356	10,42852	10,29108	10,24479	10,18294	10,344563	10,23960333	-0,10496	0,929830723	Eif3d		
17354036	9,120055	9,312605	9,309301	9,18672	9,219653	9,020746	9,2473203	9,142373	-0,10494733	0,929838886	Lars		
17212346	7,522426	7,69339	7,432259	7,336533	7,546942	7,44976	7,5493583	7,444411667	-0,10494667	0,929839316	AI597479		
17352603	9,087078	9,268927	9,081642	8,931689	9,028143	9,163002	9,1458823	9,040944667	-0,10493767	0,929845117	Usp14		
17253396	8,239727	8,181049	8,313569	8,208649	7,928226	8,282672	8,2447817	8,13949	-0,10493267	0,929848339	Phf12		
17317388	6,451276	6,385168	6,804123	6,485493	6,380296	6,460149	6,5468557	6,441979333	-0,10487633	0,929884648	4933412E24Rik		
17345859	4,256561	4,443102	4,2038	4,125665	4,275862	4,187364	4,3011543	4,196297	-0,10485733	0,929896895	---		
17494216	3,427882	3,321555	3,348914	3,242239	3,257088	3,284467	3,366117	3,261264667	-0,10485233	0,929900117	Olfr67		
17206565	3,395135	3,478801	3,866772	3,594048	3,464555	3,367604	3,580236	3,475402333	-0,10483367	0,929912149	---		
17464175	4,353745	4,310643	4,433051	4,364225	4,148144	4,2706	4,365813	4,260989667	-0,10482333	0,92991881	D6Ertd474e		
17391506	6,714496	6,565117	6,833967	6,389666	6,657082	6,752388	6,7045267	6,599712	-0,10481467	0,929924396	Zc3h6		
17336396	5,715549	5,52052	5,51026	5,501894	5,525477	5,404622	5,5821097	5,477331	-0,10477867	0,929947601	H2-Oa		
17340708	3,631144	3,523223	3,785887	3,526479	3,41031	3,689143	3,6467513	3,541977333	-0,104774	0,929950609	Gm8457 // Gm8457		
17212724	6,023078	5,871241	5,960503	6,24305	5,753954	5,543542	5,9516073	5,846848667	-0,10475867	0,929960493	Stat4		
17322793	8,308457	8,416538	8,216432	8,24757	8,187826	8,191778	8,313809	8,209058	-0,104751	0,929965435	1810013L24Rik		
17376378	6,312313	6,457019	6,469301	6,365471	6,391876	6,16706	6,4128777	6,308135667	-0,104742	0,929971236	Itpa		
17496989	9,433033	9,411617	9,130926	9,03546	9,36752	9,25839	9,325192	9,220456667	-0,10473533	0,929975534	Nsmce4a		
17506571	6,208179	6,245684	6,207524	6,266076	5,937934	6,143197	6,2204623	6,115735667	-0,10472667	0,92998112	Zfp276		
17326011	5,314891	4,845905	5,565915	4,883084	5,564598	4,964861	5,242237	5,137514333	-0,10472267	0,929983699	Dppa4		
17236926	8,069671	8,009717	8,005103	7,911737	7,820243	8,038353	8,0281637	7,923444333	-0,10471933	0,929985848	Gm4301 // Gm4301		
17549456	5,370783	5,523105	5,417554	5,385569	5,319243	5,292484	5,4371473	5,332432	-0,10471533	0,929988426	---		
17467387	3,096915	3,021335	2,960983	2,859181	2,911892	2,994021	3,026411	2,921698	-0,104713	0,92998993	---		
17230550	11,49106	11,39509	11,47287	11,22013	11,34229	11,48247	11,453007	11,34829667	-0,10471	0,929991864	Lbr		
17416212	6,834697	6,868853	6,191796	6,294639	6,710443	6,57616	6,631782	6,527080667	-0,10470133	0,929997451	1700024P16Rik		
17436457	9,094898	9,093636	9,084639	9,004571	8,878706	9,075812	9,0910577	8,986363	-0,10469467	0,930001748	Tacc3		
17346812	9,706892	9,828338	9,395282	9,665191	9,363863	9,58743	9,643504	9,538828	-0,104676	0,930013781	Gm10495		
17201293	5,365211	4,365458	4,951777	4,684021	4,884563	4,799852	4,8941487	4,789478667	-0,10467	0,930017649	---		
17457836	4,083239	3,992699	4,189843	3,993848	3,867076	4,090875	4,0885937	3,983933	-0,10466067	0,930023666	Pip		
17401563	4,798133	4,814289	4,850045	4,835969	4,859038	4,453555	4,8208223	4,716187333	-0,104635	0,930040212	Slc16a4		
17459080	7,723193	7,489736	7,568398	7,517198	7,440637	7,509625	7,5937757	7,489153333	-0,10462233	0,930048377	Tigd2		
17313645	6,646086	7,131722	6,636907	6,519001	6,740119	6,841766	6,804905	6,700295333	-0,10460967	0,930056543	---		
17550036	6,646086	7,131722	6,636907	6,519001	6,740119	6,841766	6,804905	6,700295333	-0,10460967	0,930056543	---		
17415006	5,15228	5,274873	5,572767	5,230752	5,420967	5,03441	5,3333067	5,228709667	-0,104597	0,930064709	---		
17240581	5,153804	4,888589	5,116652	4,905135	4,932225	5,007939	5,053015	4,948433	-0,104582	0,930074379	---		
17311157	9,29928	9,370813	9,206868	9,148301	9,155583	9,259377	9,2923203	9,187753667	-0,10456667	0,930084264	Atp6v1c1		
17203099	7,739152	7,74774	7,659309	7,477134	7,558989	7,796448	7,7154003	7,610857	-0,10454333	0,930099307	---		
17250460	8,699938	8,846331	8,884865	8,809857	8,629386	8,678286	8,810378	8,705843	-0,104535	0,93010468	Alkbh5		
17328187	10,42973	10,60715	10,36963	10,31518	10,40591	10,37182	10,468837	10,36430333	-0,10453333	0,930105754	Rsl1d1		
17409406	8,994074	8,888081	8,802029	8,764688	8,775802	8,830151	8,894728	8,790213667	-0,10451433	0,930118003	Stxbp3a		
17252609	6,346176	6,119679	6,353508	6,15367	6,274049	6,078103	6,273121	6,168607333	-0,10451367	0,930118433	P2rx5		
17319565	8,077559	8,074079	8,104091	8,00596	7,905859	8,030499	8,085243	7,980772667	-0,10447033	0,930146371	Pppde2		
17485462	5,803145	5,502879	5,770919	5,793382	5,231255	5,738952	5,6923143	5,587863	-0,10445133	0,930158621	Mrgprf		
17267626	5,357437	5,334416	5,241505	5,135987	5,23963	5,244417	5,3111193	5,206678	-0,10444133	0,930165068	Coil // Coil		
17473744	6,986583	6,718989	6,94052	6,891009	6,820607	6,621222	6,8820307	6,777612667	-0,104418	0,930180112	Zfp606		
17477266	4,563727	4,523294	4,984137	4,76498	4,615836	4,377107	4,690386	4,585974333	-0,10441167	0,930184196	Klk5		
17366912	3,227726	3,420053	3,431875	3,25989	3,313407	3,193134	3,3598847	3,255477	-0,10440767	0,930186775	---		
17367031	5,217365	5,067286	5,138751	5,122931	4,958947	5,028303	5,141134	5,036727	-0,104407	0,930187205	E030013I19Rik		
17209193	6,613811	5,823962	6,587049	6,487426	5,789761	6,434427	6,3416073	6,237204667	-0,10440267	0,930189999	---		
17278886	5,642334	5,684505	5,687571	5,674612	5,200919	5,825675	5,67147	5,567068667	-0,10440133	0,930190858	Mir409		
17354157	9,107474	8,776815	7,837023	7,965771	8,539197	8,903214	8,5737707	8,469394	-0,10437667	0,930206763	Spink3		
17395702	8,634568	8,871284	8,494827	8,476265	8,557373	8,653934	8,666893	8,562524	-0,104369	0,930211706	---		
17428712	4,29752	4,104326	3,809623	3,959524	3,955553	3,983286	4,0704897	3,966121	-0,10436867	0,930211921	---		
17436235	5,921963	5,882163	5,819391	5,964947	5,686507	5,659002	5,8745057	5,770152	-0,10435367	0,930221592	---		
17331886	3,265833	3,184862	3,349724	3,17912	3,254437	3,05383	3,2668063	3,162462333	-0,104344	0,930227825	Krtap16-3		
17368359	5,116817	5,061399	5,413452	4,88096	5,228582	5,169243	5,1972227	5,092928333	-0,10429433	0,93025985	---		
17389216	3,269289	3,019189	3,237188	3,13752	2,953722	3,121567	3,175222	3,070936333	-0,10428567	0,930265438	Gm15130		
17351404	4,147774	4,182883	4,445547	4,134051	4,192918	4,136405	4,2587347	4,154458	-0,10427667	0,930271242	Raxos1		
17229007	8,654943	7,985492	7,950404	7,774998	8,263395	8,239623	8,1969463	8,092672	-0,10427433	0,930272746	Fmo4		
17237522	4,11689	3,843372	4,035363	3,816613	4,006169	3,860046	3,9985417	3,894276	-0,10426567	0,930278335	Best3		
17202783	4,437213	4,476918	4,608818	3,83761	4,407483	4,965117	4,5076497	4,403403333	-0,10424633	0,930290801	---		
17487035	4,271259	4,267998	4,105472	4,007887	4,064236	4,259985	4,2149097	4,110702667	-0,104207	0,930316165	Psg18		
17210393	7,282013	7,110059	7,109372	7,390373	6,557281	7,241198	7,167148	7,062950667	-0,10419733	0,930322399	---		
17374198	4,080365	4,273994	4,478285	4,105808	4,094344	4,319942	4,277548	4,173364667	-0,10418333	0,930331426	Olfr1299		
17329401	4,507201	4,663333	4,508241	4,403055	4,416858	4,546371	4,5595917	4,455428	-0,10416367	0,930344109	---		
17225153	10,75694	11,04975	10,85352	10,76187	10,7748	10,81105	10,886737	10,78257333	-0,10416333	0,930344324	Ncl		
17494643	6,685502	7,516817	6,464704	6,9275	6,680414	6,746629	6,8890077	6,784847667	-0,10416	0,930346473	Gvin1 // Gvin1		
17548806	8,387222	8,610874	8,47449	8,417254	8,391125	8,351732	8,490862	8,386703667	-0,10415833	0,930347548	Polr2k // Polr2k		
17358517	9,540421	9,62331	9,584537	9,385621	9,478229	9,572012	9,582756	9,478620667	-0,10413533	0,93036238	Jak2		
17479454	4,510142	4,605342	4,581121	4,234941	4,543172	4,606126	4,565535	4,461413	-0,104122	0,930370979	Wdr93		
17345666	9,961186	10,12236	9,922985	9,694923	9,9246	10,07465	10,002177	9,898057667	-0,10411933	0,930372698	---		
17435639	3,562747	3,158399	3,211612	3,135862	3,141637	3,34295	3,3109193	3,206816333	-0,104103	0,930383231	---		
17213185	10,38618	10,33886	10,23782	10,1585	10,23516	10,25699	10,320953	10,21688333	-0,10407	0,930404513	Cbx3 // Cbx3		
17506040	4,020092	3,911655	4,229692	4,053227	3,869195	3,926828	4,053813	3,94975	-0,104063	0,930409027	---		
17224146	4,423026	4,424719	4,646913	4,548554	4,460252	4,173665	4,4982193	4,394157	-0,10406233	0,930409457			03/05/17
17525391	11,50093	11,68478	11,6966	11,54392	11,61735	11,40887	11,627437	11,52338	-0,10405667	0,930413112	Gm5614		
17412335	3,713347	3,658449	3,578509	3,608323	3,481122	3,548721	3,6501017	3,546055333	-0,10404633	0,930419776	4930556G01Rik		
17265908	3,141828	3,133177	2,99659	2,886386	3,216053	2,857136	3,0905317	2,986525	-0,10400667	0,930445358	---		
17241801	4,127359	3,723348	3,842093	3,625305	4,109121	3,646377	3,8976	3,793601	-0,103999	0,930450303	A330049N07Rik		
17503810	6,143482	6,325965	6,25282	6,146169	6,192313	6,07184	6,2407557	6,136774	-0,10398167	0,930461482	Irx5		
17365461	5,227562	5,022491	5,266539	5,203247	5,020189	4,981217	5,1721973	5,068217667	-0,10397967	0,930462772	Calhm2		
17367163	5,778974	5,967798	5,714551	5,688848	5,780746	5,67988	5,820441	5,716491333	-0,10394967	0,93048212	Cacnb2		
17535902	4,229912	4,173177	4,0467	4,013668	4,186257	3,93802	4,1499297	4,045981667	-0,103948	0,930483195	---		
17284566	3,198663	3,357805	3,018838	3,015576	3,224103	3,0238	3,1917687	3,087826333	-0,10394233	0,93048685	---		

17513472	4,583029	4,55994	4,631073	4,526712	4,382324	4,553181	4,5913473	4,487405667	-0,10394167	0,93048728	Kcng4
17510854	2,779803	2,905539	3,121994	2,80297	2,832775	2,859769	2,9357787	2,831838	-0,10394067	0,930487925	---
17384499	4,394104	4,46021	4,697223	4,417305	4,289012	4,533451	4,517179	4,413256	-0,103923	0,930499319	---
17294518	7,300543	7,538516	7,287136	7,359671	7,23223	7,222534	7,3753983	7,271478333	-0,10392	0,930501254	Ankrd32
17259521	10,87647	11,25204	11,23323	10,87449	11,1176	11,05789	11,12058	11,01666	-0,10392	0,930501254	---
17323816	3,499334	3,204322	3,313037	3,39272	3,094266	3,217973	3,3388977	3,234986333	-0,10391133	0,930506844	Gm10088
17540555	4,356513	4,80003	4,949692	4,842481	4,401094	4,550947	4,7020783	4,598174	-0,10390433	0,930511359	Zfp182
17524087	9,629712	9,841653	9,639184	9,585052	9,622303	9,591536	9,7035163	9,599630333	-0,103886	0,930523184	Ankrd49
17437350	4,432772	4,25145	4,539226	4,326944	4,263012	4,321908	4,407816	4,303954667	-0,10386133	0,930539093	---
17523427	4,517929	4,566323	4,483177	4,315988	4,428301	4,511559	4,5224763	4,418616	-0,10386033	0,930539738	9530059O14Rik
17455656	4,367167	4,040339	4,142974	4,36598	3,999873	3,873099	4,1834933	4,079650667	-0,10384267	0,930551134	C87414 // C87414
17302582	4,293993	4,382749	4,391091	4,426058	4,287548	4,042726	4,3559443	4,252110667	-0,10383367	0,930556939	Trim52
17378799	6,692566	6,788297	6,51934	6,487334	6,661887	6,539523	6,6667343	6,562914667	-0,10381967	0,930565969	---
17201063	9,570822	9,790889	9,326042	9,343595	9,096601	9,9361	9,5625843	9,458765333	-0,103819	0,930566399	---
17456800	5,11709	5,001558	5,301396	4,945595	5,119349	5,043682	5,1400147	5,036208667	-0,103806	0,930574784	1700023L04Rik
17227806	5,460344	5,045546	5,120239	5,009557	5,299373	5,005798	5,2087097	5,104909333	-0,10380033	0,930578439	---
17453773	4,239894	4,162737	4,28522	4,213222	4,085812	4,07751	4,2292837	4,125514667	-0,103769	0,93059865	---
17466606	7,149951	7,308577	7,070447	7,080295	6,965213	7,17217	7,176325	7,072559333	-0,10376567	0,930600801	Gimap6
17384234	7,426178	7,445425	7,496857	7,465561	7,300159	7,291479	7,4561533	7,352399667	-0,10375367	0,930608541	Pbx3
17218305	6,179559	6,062066	6,311911	6,00441	6,030564	6,207303	6,184512	6,080759	-0,103753	0,930608971	Rgs8
17530107	6,053106	6,173133	6,359683	6,091998	5,943258	6,239441	6,1953073	6,091565667	-0,10374167	0,930616282	Sox14
17357148	12,89926	13,09763	13,09852	12,98591	12,95212	12,84623	13,031803	12,92808667	-0,10371667	0,930632408	Snord22
17534907	3,91904	4,216114	4,415287	4,233166	3,981006	4,02512	4,1834803	4,079764	-0,10371633	0,930632623	---
17297777	5,347242	5,187124	5,299646	5,128352	5,151959	5,242597	5,278004	5,174302667	-0,10370133	0,930642299	Cphx
17457044	5,382622	5,143934	5,24572	5,03259	5,151944	5,27669	5,2574253	5,153741333	-0,103684	0,930653481	---
17202663	3,797064	3,705879	3,606823	3,673069	3,647717	3,477949	3,7032553	3,599578333	-0,103677	0,930657996	---
17422138	6,266284	6,39064	6,319275	6,217864	6,204773	6,242535	6,3253997	6,221724	-0,10367567	0,930658856	Gpr153
17311841	4,611984	4,45141	4,692233	4,411003	4,365657	4,667955	4,585209	4,481538333	-0,10367067	0,930662082	Fam84b
17374470	7,378591	7,411598	7,250536	7,150167	7,282473	7,297149	7,3469083	7,243263	-0,10364533	0,930678424	Fam98b
17261417	10,44816	10,59921	10,49272	10,30378	10,38381	10,54159	10,513363	10,40972667	-0,10363667	0,930684015	Chac2
17298387	6,265592	6,007059	6,229094	5,995202	6,13034	6,065365	6,1672483	6,063635667	-0,10361267	0,930699497	Sema3g
17348897	3,403979	3,538829	3,313358	3,359836	3,330875	3,254656	3,418722	3,315122333	-0,10359967	0,930707884	---
17296943	6,556108	6,407523	5,71452	6,12173	5,780175	6,465502	6,2260503	6,122469	-0,10358133	0,930719711	---
17291648	5,306769	5,197621	5,219002	5,130551	5,106547	5,175561	5,2411307	5,137553	-0,10357767	0,930722077	1700018A04Rik
17312738	7,570947	7,64786	7,619729	7,511708	7,51086	7,505235	7,6128453	7,509267667	-0,10357767	0,930722077	Mpst
17203025	6,632796	6,583869	5,996278	6,767313	6,554746	5,58025	6,4043143	6,300769667	-0,10354467	0,930743366	---
17529175	10,84929	11,05766	10,9008	10,80503	10,81893	10,87329	10,935917	10,83241667	-0,1035	0,930772183	Tmem30a
17373842	3,2826	3,129188	3,319604	3,2135	3,104744	3,102654	3,2437973	3,140299333	-0,103498	0,930773473	---
17536519	9,863038	9,894338	9,887877	9,822387	9,786377	9,726022	9,881751	9,778262	-0,103489	0,93077928	Igbp1
17506126	4,97197	4,670418	5,27765	4,821984	4,82434	4,963322	4,973346	4,869882	-0,103464	0,930795409	Adad2
17282783	4,766371	4,395041	4,548585	4,562483	4,414045	4,423118	4,569999	4,466548667	-0,10345033	0,930804226	Zdhhc22
17209993	3,460875	3,636889	3,920629	3,512155	3,665076	3,530835	3,6727977	3,569355333	-0,10344233	0,930809388	---
17439560	5,733597	5,835045	5,592699	5,590036	5,621961	5,63908	5,720447	5,617025667	-0,10342133	0,930822937	---
17218722	3,920649	4,148821	4,105948	4,22687	3,766322	3,871995	4,0584727	3,955062333	-0,10341033	0,930830034	2810442N19Rik
17403224	9,263999	10,42299	9,015988	9,544012	9,444653	9,404099	9,567659	9,464254667	-0,10340433	0,930833905	Gbp7
17298262	8,393228	8,692036	8,328861	8,149636	8,465343	8,488985	8,471375	8,367988	-0,103387	0,930845089	Mustn1
17474361	3,253963	3,413514	3,848225	3,070963	3,64059	3,494044	3,505234	3,401865667	-0,10336833	0,930857133	Sycp1-ps1
17204687	5,495785	5,930931	6,977017	5,927099	6,188177	5,978368	6,1345777	6,031214667	-0,103363	0,930860574	---
17250471	7,583738	7,373779	7,951305	7,597501	7,469621	7,531612	7,636274	7,532911333	-0,10336267	0,930860789	---
17294058	3,686229	3,53949	3,508362	3,548275	3,376436	3,499291	3,578027	3,474667333	-0,10335967	0,930862725	4930525G20Rik
17547971	6,314292	6,371837	6,474432	6,323256	6,326781	6,200506	6,3868537	6,283514333	-0,10333933	0,930875845	Vps8 // Vps8
17206259	6,035027	5,830373	6,265619	5,597919	5,709057	6,514077	6,043673	5,940351	-0,103322	0,930887029	---
17206615	2,98194	2,909094	3,04468	2,855563	2,895955	2,874235	2,9785713	2,875251	-0,10332033	0,930888104	---
17305590	4,545353	4,292486	4,30806	4,288003	4,280015	4,267956	4,3819663	4,278658	-0,10330833	0,930895847	Mir327 // Mir327
17210027	6,095098	6,590835	5,922502	6,206333	6,004205	6,087986	6,2028117	6,099508	-0,10330367	0,930898858	---
17397957	7,501148	7,540673	7,430314	7,350748	7,432833	7,378647	7,4907117	7,387409333	-0,10330233	0,930899719	P2ry1
17223378	7,545445	7,681668	7,764475	7,462961	7,676579	7,542154	7,6638627	7,560564667	-0,103298	0,930902515	Ppil3
17500694	5,896228	5,656346	5,684846	5,661458	5,577527	5,688557	5,7458067	5,642514	-0,10329267	0,930905956	Gm2085
17210277	8,364128	7,627192	8,418537	8,246414	7,611563	8,242012	8,136619	8,033329667	-0,10328933	0,930908107	---
17210299	8,364128	7,627192	8,418537	8,246414	7,611563	8,242012	8,136619	8,033329667	-0,10328933	0,930908107	---
17357949	3,35198	3,433897	3,321272	3,225614	3,231149	3,340541	3,3690497	3,265768	-0,10328167	0,930913054	Olfr1505
17394142	3,616783	3,71706	3,382853	3,380731	3,580243	3,445913	3,572232	3,468962333	-0,10326967	0,930920797	Svs3b
17284803	4,004567	3,89786	3,64359	3,744689	3,863537	3,62804	3,8486723	3,745422	-0,10325033	0,930933272	D230030E09Rik
17225980	3,347414	3,045002	3,330783	3,260672	3,291246	2,861593	3,2410663	3,137837	-0,10322933	0,930946823	---
17394012	4,778184	4,834719	4,767178	4,725918	4,672941	4,671561	4,7933603	4,69014	-0,10322033	0,930952631	---
17293808	6,374889	5,949672	5,739421	6,289825	5,849302	5,615233	6,0213273	5,91812	-0,10320733	0,930961019	---
17358015	11,36419	11,09263	11,16233	10,93451	11,0556	11,31942	11,206383	11,10317667	-0,10320667	0,93096145	---
17315975	5,047281	5,023429	4,95329	5,006488	4,627833	5,080075	5,008	4,904798667	-0,10320133	0,930964891	Rad1 // Rad1
17408352	10,50675	10,60374	10,46061	10,46828	10,37834	10,4149	10,5237	10,42050667	-0,10319333	0,930970054	Hsd3b1
17290394	5,595992	5,704894	5,595103	5,55718	5,531488	5,49783	5,6319963	5,528832667	-0,10316367	0,930989198	---
17290396	5,595992	5,704894	5,595103	5,55718	5,531488	5,49783	5,6319963	5,528832667	-0,10316367	0,930989198	---
17475197	3,744872	2,774894	3,694432	3,270892	3,694432	2,939525	3,4047327	3,301616333	-0,10311633	0,931019743	---
17548573	6,400867	6,383378	6,398568	6,270854	6,323701	6,27894	6,394271	6,291165	-0,103106	0,931026411	4931406P16Rik // 4931406P16Rik
17525680	4,21353	3,942901	4,06633	4,216799	3,911461	3,785184	4,0742537	3,971148	-0,10310567	0,931026627	Olfr151 // Olfr160
17330773	7,816137	7,807566	7,68649	7,648148	7,656111	7,696707	7,7700643	7,666988667	-0,10307567	0,931045987	Pvrl3
17522550	7,832367	8,010638	7,729806	7,86764	7,705057	7,690924	7,8576037	7,754540333	-0,10306333	0,931053946	---
17226974	7,181143	7,136484	7,316338	7,035307	7,103713	7,18577	7,2113217	7,108263333	-0,10305833	0,931057173	Sox13
17378808	4,446475	4,278553	4,680001	4,380171	4,42546	4,290323	4,468343	4,365318	-0,103025	0,931078685	Bpi
17459455	11,82047	11,71125	11,81692	11,70109	11,6978	11,64069	11,78288	11,67986	-0,10302	0,931081912	Fabp1
17417842	3,220229	2,993375	3,032318	2,935068	3,06961	2,932185	3,081974	2,978954333	-0,10301967	0,931082127	---
17392138	7,043289	6,958846	7,048651	6,858439	6,882443	7,000862	7,0169287	6,913914667	-0,103014	0,931085784	Mkks
17434675	4,756387	4,525972	4,91188	4,672564	4,857609	4,355032	4,731413	4,628401667	-0,10301133	0,931087505	---
17380153	4,797826	4,847396	4,824086	4,610855	4,699131	4,850331	4,8231027	4,720105667	-0,102997	0,931096756	Tfap2c
17371941	8,62588	8,723296	8,646482	8,557413	8,571742	8,557557	8,6652193	8,562237333	-0,102982	0,931106437	Cdca7
17448813	5,479816	4,75062	4,396504	4,51472	5,224702	4,578575	4,8756467	4,772665667	-0,102981	0,931107082	---
17379933	5,209654	5,32043	5,073331	5,149313	4,847892	5,297313	5,2011383	5,098172667	-0,10296567	0,931116978	---
17463761	7,431815	7,537339	7,301471	7,575041	7,176394	7,210294	7,4235417	7,320576333	-0,10296533	0,931117193	8430419L09Rik
17247148	4,726241	4,770438	4,791464	4,709339	4,672442	4,5975	4,7627143	4,659760333	-0,102954	0,931124508	---
17276328	8,678284	8,544058	8,554236	8,460684	8,497948	8,509092	8,5921927	8,489241333	-0,10295133	0,931126229	Hif1a
17307113	5,397482	5,15954	5,409951	5,31425	5,149914	5,193981	5,3223243	5,219381667	-0,10294267	0,931131823	Gja3
17350740	9,011537	8,961992	8,904991	8,818187	8,852152	8,899355	8,9595067	8,856564667	-0,102942	0,931132253	Lmnb1
17338701	7,152421	7,446508	7,442936	7,075565	7,304161	7,353339	7,3472883	7,244355	-0,10293333	0,931137847	Chaf1a
17208153	3,521172	3,657048	3,754321	3,457966	3,744226	3,421568	3,6441803	3,541253333	-0,102927	0,931141934	---
17471094	8,441748	8,318155	8,549446	8,207079	8,473	8,320518	8,4364497	8,333532333	-0,10291733	0,931148173	Ltbr
17435660	7,793322	8,097797	8,014493	7,876235	7,817399	7,903285	7,9685373	7,865639667	-0,10289767	0,931160867	Nom1
17547521	10,79788	11,0411	11,04467	10,91498	10,82861	10,83139	10,961217	10,85832667	-0,10289	0,931165815	Rps24 // Rps24
17283345	9,398677	9,556867	9,383623	9,301558	9,28267	9,446297	9,446389	9,343508333	-0,10288067	0,931171839	Smek1
17308714	6,767609	7,30028	6,744625	6,794836	6,876962	6,832075	6,9375047	6,834624333	-0,10288033	0,931172054	Slc25a30
17459752	3,607683	3,854034	3,765472	3,700768	3,718778	3,499034	3,7423963	3,639526667	-0,10286967	0,931178939	Reg3a
17240357	8,237321	8,480327	8,090898	8,062548	8,219574	8,217896	8,2695153	8,166672667	-0,10284267	0,931196366	Gtf3c6
17550801	3,232663	3,173757	3,371756	3,10567	3,175861	3,188143	3,259392	3,156558	-0,102834	0,93120196	---
17231742	6,515944	6,35321	6,208598	6,10429	6,290557	6,374546	6,3592507	6,256464333	-0,10278633	0,931232727	Hivep2
17332344	7,36797	7,039158	7,441921	7,006842	7,414841	7,119167	7,2830163	7,180283333	-0,102733	0,931267154	---
17469533	3,335212	3,309126	3,305176	3,226817	3,173676	3,240891	3,3165047	3,213794667	-0,10271	0,931282001	Gm19757
17428424	4,685831	4,862688	5,123063	4,953405	4,714932	4,695235	4,8905273	4,787857333	-0,10267	0,931307821	Foxd2
17465532	4,987889	4,458282	4,604255	4,672417	4,381765	4,688268	4,6834753	4,580816667	-0,10265867	0,931315138	---
17412123	8,567287	8,70352	8,411241	8,293886	8,53012	8,550104	8,5606827	8,458036667	-0,102646	0,931323314	Ccnc
17412294	2,956549	3,080174	2,96677	2,867223	2,950907	2,877434	3,0011643	2,898521333	-0,102643	0,931325251	---
17424633	6,772218	6,950888	7,115116	6,856984	6,819127	6,854253	6,946074	6,843454667	-0,10261933	0,931340529	E130306D19Rik
17278244	6,409768	5,926376	6,1426	5,749459	6,151644	6,269906	6,1595813	6,057003	-0,10257833	0,931366997	Serpina5
17428354	3,328754	3,148316	3,036607	3,222224	3,092311	2,891426	3,1712257	3,068653667	-0,102572	0,931371086	Skint5
17414114	10,088	10,10452	10,14909	9,994267	9,958918	10,08072	10,11387	10,01130167	-0,10256833	0,931373453	Smc2
17535145	3,496977	3,551113	3,424541	3,423937	3,292254	3,448801	3,490877	3,388330667	-0,10254633	0,931387656	Gm4988
17209105	6,076017	6,149662	6,491997	6,457307	5,810266	6,14248	6,2392253	6,136684333	-0,102541	0,931391099	---
17323782	7,950678	7,990427	8,06739	7,861139	7,858476	7,981367	8,0028317	7,900327333	-0,10250433	0,931414771	Hira
17548890	6,757521	6,90208	6,827375	6,589417	6,916851	6,67322	6,828992	6,726496	-0,102496	0,931420151	---
17550268	2,964429	2,927092	2,832925	2,647731	2,984776	2,784539	2,9081487	2,805682	-0,10246667	0,931439089	---
17300203	5,129606	4,554176	4,825083	4,705209	4,811112	4,685157	4,8362883	4,733826	-0,10246233	0,931441887	---
17513270	5,757387	5,643238	5,868582	5,632208	5,751242	5,578373	5,7564023	5,653941	-0,10246133	0,931442533	4933408N05Rik
17483252	7,007739	7,034359	6,76863	6,987038	6,693784	6,822583	6,9369093	6,834468333	-0,102441	0,93145566	Zfp553
17423314	4,651196	4,663001	4,725654	4,588198	4,619136	4,525221	4,6799503	4,577518333	-0,102432	0,931461471	---
17493681	11,69997	11,87423	12,01794	11,88413	11,84239	11,55837	11,864047	11,76163	-0,10241667	0,931471371	Snord15b
17267106	6,908628	7,047956	6,843671	6,742149	6,864604	6,88626	6,9334183	6,831004333	-0,102414	0,931473093	Znhit3
17203503	6,96195	6,273657	6,608129	6,589042	6,469605	6,477858	6,6145787	6,512168333	-0,10241033	0,93147546	---
17223655	3,556851	3,849496	3,666157	3,554091	3,561975	3,649215	3,6908347	3,588427	-0,10240767	0,931477182	---
17379260	5,732106	5,368988	5,594815	5,530191	5,332053	5,526467	5,565303	5,462903667	-0,10239933	0,931482562	R3hdml
17239767	4,580417	4,263179	4,161849	4,245704	4,349412	4,103135	4,3351483	4,232750333	-0,102398	0,931483423	Taar8c
17487743	5,140093	5,066029	5,016537	4,739015	5,127238	5,049229	5,0742197	4,971827333	-0,10239233	0,931487082	Tex101
17270434	6,315195	6,00831	6,486095	6,15656	6,156682	6,189278	6,2698667	6,167506667	-0,10236	0,931507958	1700023F06Rik
17462113	8,887995	8,949191	8,849052	8,636738	8,761347	8,981086	8,8954127	8,793057	-0,10235567	0,931510756	03/09/17
17387734	4,095225	4,045189	4,192945	3,935437	3,994179	4,096704	4,1111197	4,008773333	-0,10234633	0,931516783	Olfr1106
17351163	4,989138	5,026257	5,138265	4,829941	5,092301	4,924404	5,05122	4,948882	-0,102338	0,931522163	---
17260023	6,502465	6,704987	6,776189	6,530951	6,388887	6,756797	6,6612137	6,558878333	-0,10233533	0,931523885	Uqcr10
17274905	4,29608	4,405547	4,536184	3,95743	4,767204	4,206179	4,4126037	4,310271	-0,10233267	0,931525607	---

17340741	4,037715	4,255225	4,271259	4,080194	4,139152	4,03788	4,1880663	4,085742	-0,10232433	0,931530988	6530411M01Rik
17226123	3,024792	3,324076	3,148726	3,081033	2,924449	3,185149	3,1658647	3,063543667	-0,102321	0,93153314	---
17289824	9,42483	9,423667	9,269098	9,241538	9,243708	9,325525	9,3725317	9,270257	-0,10227467	0,931563057	Mier3
17340197	8,802517	8,785904	8,798413	8,785529	8,677326	8,617218	8,7956113	8,693357667	-0,10225367	0,931576617	Epas1
17206187	5,287143	4,452376	4,712141	5,517264	3,600366	5,027277	4,81722	4,714969	-0,102251	0,931578339	---
17368154	5,763406	5,7647	5,886122	5,586967	5,766449	5,754207	5,8047427	5,702541	-0,10220167	0,931610195	Lcn10
17246672	6,626724	6,626835	6,859831	6,570625	6,465902	6,770318	6,7044633	6,602281667	-0,10218167	0,93162311	---
17286233	5,457341	5,151993	5,276466	5,082945	5,205484	5,29083	5,2952667	5,193086333	-0,10218033	0,931623971	A330102I10Rik
17200873	5,638763	4,779111	5,701096	5,565931	4,864018	5,382493	5,37299	5,270814	-0,102176	0,93162677	---
17441340	4,287213	4,181708	3,868118	3,884415	4,291626	3,854532	4,1123463	4,010191	-0,10215533	0,931640115	---
17336758	7,895555	7,978981	7,923409	7,927877	7,876921	7,686695	7,9326483	7,830497667	-0,10215067	0,931643129	Ehmt2
17208287	4,331869	4,317669	4,542464	4,218938	4,426509	4,240116	4,397334	4,295187667	-0,10214633	0,931645927	---
17539626	6,382916	6,470438	6,186049	6,150254	6,242117	6,34062	6,3464677	6,244330333	-0,10213733	0,931651739	Trappc2
17413915	7,582034	7,545493	7,589317	7,469109	7,539165	7,402226	7,5722813	7,470166667	-0,10211467	0,931666377	Tgfbr1
17207287	5,016391	5,38707	5,059844	5,333234	5,164009	4,659723	5,154435	5,052322	-0,102113	0,931667453	---
17307774	8,25651	8,314085	8,310919	8,215337	8,111471	8,248394	8,293838	8,191734	-0,102104	0,931673265	Esco2
17344511	8,830818	8,89699	8,997875	8,781647	8,835081	8,802646	8,908561	8,806458	-0,102103	0,931673911	Abcf1
17257599	6,692513	6,748783	6,771784	6,588278	6,659007	6,659516	6,7376933	6,635600333	-0,102093	0,931680369	Gm885
17312358	5,224954	4,902942	5,017402	4,928917	5,282334	4,627789	5,0484327	4,946346667	-0,102086	0,931684889	Gm10345
17201365	4,509642	4,781699	4,596116	4,539538	4,823125	4,218564	4,6291523	4,527075667	-0,10207667	0,931690917	---
17490551	6,760321	6,489414	6,600616	6,519293	6,318419	6,706442	6,6167837	6,514718	-0,10206567	0,931698021	Prr12
17414434	9,026122	9,069969	9,098389	8,951691	8,910789	9,025821	9,0648267	8,962767	-0,10205967	0,931701895	Ugcg
17323675	6,678854	6,602725	6,920374	6,483125	6,66623	6,746437	6,7339843	6,631930667	-0,10205367	0,93170577	Arvcf
17394806	6,207168	5,932708	5,981277	6,153309	5,772365	5,889348	6,0403843	5,938340667	-0,10204367	0,931712228	Nfatc2
17328324	3,675431	3,965107	3,735754	3,572299	3,820283	3,677621	3,7920973	3,690067667	-0,10202967	0,93172127	---
17373915	6,193992	5,921959	6,196729	6,12042	5,983337	5,902836	6,1042267	6,002197667	-0,102029	0,93172717	Wt1
17459409	2,998693	3,152566	3,055707	2,905177	3,084899	2,910813	3,0689887	2,96963	-0,10202567	0,931723853	---
17224954	4,775681	4,55047	4,73426	4,54128	4,550729	4,662327	4,6868037	4,58478667	-0,102025	0,931724284	Sphkap
17279962	8,535869	8,668517	8,501051	8,353284	8,480622	8,565475	8,568479	8,466460333	-0,10201867	0,931728374	Gen1
17300187	4,748044	4,716634	4,791446	4,653294	4,620016	4,676759	4,7520413	4,650023	-0,10201833	0,931728589	---
17323776	7,225958	7,084436	7,137643	7,204431	7,036741	6,900935	7,1493457	7,047369	-0,10197667	0,931755499	2510002D24Rik
17258867	8,189282	8,389211	8,353165	8,1301	8,168156	8,327505	8,3105527	8,208587	-0,10196567	0,931762603	Birc5
17468594	5,803349	5,781784	5,870526	5,830941	5,665154	5,653754	5,818553	5,716616333	-0,10193667	0,931781333	Gkn1
17267584	8,654698	8,538888	8,531824	8,437984	8,563494	8,418132	8,5751367	8,473203333	-0,10193333	0,931783486	Akap1
17268817	6,746229	6,61395	6,677176	6,441532	6,568884	6,721147	6,6791183	6,577187667	-0,10193067	0,931785208	LOC100862101
17327019	5,066484	4,843002	4,96071	4,884667	4,648745	5,031125	4,956732	4,854845667	-0,10188633	0,931813842	4930404I05Rik
17379938	7,248199	7,155976	7,196973	6,864166	7,220895	7,210432	7,2003827	7,098497667	-0,101885	0,931814703	Cebpb
17329034	4,01092	3,739094	3,551933	4,055495	3,474371	3,466479	3,7673157	3,665448333	-0,10186733	0,931826114	Olfr167
17413821	10,03335	10,1538	10,25524	10,07854	9,973987	10,0843	10,147463	10,045609	-0,10185433	0,93183451	Anp32b // Anp32b
17322729	3,749435	3,497561	3,586435	3,589522	3,468285	3,470073	3,6111437	3,509293333	-0,10185033	0,931837094	---
17359935	8,391695	8,295486	7,693639	8,19978	7,902004	7,973584	8,12694	8,025122667	-0,10181733	0,931858409	---
17444828	7,947423	8,141651	7,95687	7,881717	7,918921	7,939863	8,0153147	7,913500333	-0,10181433	0,931860347	Polr1d
17206569	6,639235	6,069664	6,160471	6,011828	6,346018	6,206094	6,28979	6,18798	-0,10181	0,931863146	---
17201847	6,176902	5,484648	5,522772	5,679118	5,601487	5,598294	5,7281073	5,626299667	-0,10180767	0,931864653	---
17529307	5,113595	4,94776	5,107762	4,910662	4,938363	5,014769	5,0563723	4,954598	-0,10177433	0,931886184	Elovl4
17362941	4,12525	3,892283	3,856412	3,90289	3,751247	3,914506	3,9579817	3,856214333	-0,10176733	0,931890705	Ms4a14
17249232	3,680229	3,704419	3,816829	3,470843	3,922711	3,502654	3,7338257	3,632069333	-0,10175633	0,931897811	---
17502157	7,55146	7,471461	7,67834	7,405442	7,430821	7,559741	7,567087	7,465334667	-0,10175233	0,931900394	Ocel1
17303067	3,967955	3,864982	4,023857	3,948339	3,782929	3,820287	3,9522647	3,850518333	-0,10174633	0,93190427	---
17200209	5,059249	3,596562	5,025995	4,325315	3,889605	5,161712	4,560602	4,458877333	-0,10172467	0,931918266	---
17548579	4,304759	4,286323	4,215058	4,243824	4,099994	4,157149	4,2687133	4,166989	-0,10172433	0,931918481	Mrgprb13
17514333	13,49375	13,39394	13,14362	13,39894	13,17655	13,15075	13,34377	13,24208	-0,10169	0,931940659	---
17374453	3,939849	3,899601	3,869288	3,564389	3,906068	3,933213	3,9029127	3,801223333	-0,10168933	0,93194109	---
17283935	9,152048	9,447076	9,605709	8,971908	9,690969	9,236989	9,401611	9,299955333	-0,10165567	0,931962838	---
17519571	3,94963	4,331028	3,595382	3,576596	3,895766	4,098711	3,95868	3,857024333	-0,10165567	0,931962838	---
17449629	9,767282	10,06501	9,611062	9,478287	9,815641	9,844474	9,8144513	9,712800667	-0,10165067	0,931966068	---
17367676	5,986779	5,92388	6,288371	5,886271	6,126345	5,881484	6,0663433	5,9647	-0,10164333	0,931970805	Il1f10
17543648	6,604681	6,558981	6,355375	6,397841	6,46645	6,34985	6,5063457	6,404713667	-0,101632	0,931978126	Ercc6l
17284358	4,845495	4,975226	3,925477	4,815461	3,981797	4,644049	4,582066	4,480435667	-0,10163033	0,931979203	---
17237984	6,399662	6,468874	6,635157	6,308242	6,485717	6,404872	6,501231	6,399610333	-0,10162067	0,931985448	Arhgap9
17549428	6,068212	6,273907	6,097218	6,035341	6,148085	5,951112	6,1464457	6,044846	-0,10159967	0,931999014	---
17549818	6,068212	6,273907	6,097218	6,035341	6,148085	5,951112	6,1464457	6,044846	-0,10159967	0,931999014	---
17375516	3,930154	3,91525	3,957089	3,868176	3,813331	3,816199	3,9341643	3,832568667	-0,10159567	0,932001598	4930417H01Rik
17507917	5,426126	5,357578	5,433814	5,375215	5,237743	5,299856	5,4058393	5,304271333	-0,101568	0,932019471	Gm7861 // Gm7849
17507926	5,426126	5,357578	5,433814	5,375215	5,237743	5,299856	5,4058393	5,304271333	-0,101568	0,932019471	Gm7861 // Gm7849
17549092	3,776482	4,008335	3,852046	3,783951	3,610993	3,937252	3,8789543	3,777398667	-0,10155567	0,932027439	---
17287033	6,619312	6,49649	6,76834	6,392606	6,621771	6,565117	6,6280473	6,526498	-0,10154933	0,93203153	---
17466741	5,711429	5,902639	5,800703	5,655657	5,792615	5,66188	5,8049237	5,703384	-0,10153967	0,932037775	---
17433683	9,512706	9,71027	9,76903	9,453173	9,612558	9,621679	9,664002	9,56247	-0,101532	0,932042728	Tnfrsf14
17285000	8,840525	8,699077	8,747188	8,60514	8,80127	8,575833	8,7622633	8,660747667	-0,10151567	0,93205328	Klf6
17526695	5,008565	5,123119	5,205442	4,908165	5,240786	4,883641	5,1123753	5,010864	-0,10151133	0,93205608	Nnmt
17463792	4,13415	3,889486	4,031229	3,985528	3,861841	3,902976	4,0182883	3,916781667	-0,10150667	0,932059095	---
17415943	6,216431	6,159605	6,154651	6,124349	5,927064	6,174763	6,1768957	6,075392	-0,10150367	0,932061033	Dnajc6
17297882	4,02563	3,712641	4,166335	3,75174	3,837095	4,011299	3,968202	3,866711333	-0,10149067	0,932069432	---
17204899	2,972202	3,267957	3,193147	3,071	2,736187	3,321652	3,1444353	3,042946333	-0,101489	0,932070509	---
17219542	7,200855	7,153442	7,424978	7,143492	7,065612	7,265705	7,2597583	7,158269667	-0,10148867	0,932070724	Pigm
17255862	6,232627	6,337447	6,538927	6,194549	6,247412	6,362585	6,369667	6,268182	-0,101485	0,932073093	Psmb3
17208437	8,976765	8,046814	9,256506	9,085779	8,520464	8,369412	8,7600283	8,658551667	-0,10147667	0,932078477	---
17330742	8,185102	8,262563	8,099803	8,104949	8,141156	7,99696	8,1824893	8,081021667	-0,10146767	0,932084291	Plcxd2
17536044	3,380055	3,08655	3,365542	3,356397	3,05451	3,116901	3,2773823	3,175936	-0,10144633	0,932098074	Gm5938
17516749	6,058283	5,780542	6,125259	6,045183	5,915735	5,698857	5,988028	5,886591667	-0,10143633	0,932104535	---
17495651	5,14569	5,039701	4,948856	5,057469	4,813421	4,95905	5,044749	4,943313333	-0,10143567	0,932104966	Pdilt
17299200	10,51135	10,6666	10,5134	10,38344	10,48432	10,5193	10,563783	10,46235333	-0,10143	0,932108627	Psmc6
17355280	6,362442	5,951653	5,355771	6,01295	5,555399	5,797258	5,8899553	5,788535667	-0,10141967	0,932115303	---
17480192	6,907154	7,111197	7,131175	6,823723	6,8611	7,160496	7,049842	6,948439667	-0,10140233	0,932126502	Ccdc90b
17255572	4,145261	4,106555	4,239195	4,003638	4,133938	4,049258	4,1636703	4,062278	-0,10139233	0,932132963	Hoxb7
17389287	3,843123	3,961586	3,496085	3,841889	3,805373	3,349358	3,7669313	3,66554	-0,10139133	0,932133609	Gm13931
17507431	5,292578	5,130718	5,376016	5,128613	5,131528	5,235014	5,2664373	5,165051667	-0,10138567	0,932137271	---
17374692	9,947205	10,00601	10,03011	9,864506	9,883948	9,930762	9,9944417	9,893072	-0,10136967	0,932147608	Casc5
17550334	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550336	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550338	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550340	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550344	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550352	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550354	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550356	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550358	4,049856	4,413054	4,116155	3,987619	4,266171	4,021174	4,1930217	4,091654667	-0,101367	0,932149331	---
17550464	3,500705	3,593346	3,435268	3,470291	3,389115	3,365865	3,509773	3,408423667	-0,10134933	0,932160746	---
17368762	6,971852	7,215843	7,036313	6,94624	7,042599	6,931136	7,0746693	6,973325	-0,10134433	0,932163977	Ddx31
17308058	4,023631	3,985417	3,879253	3,871682	3,787307	3,925354	3,962767	3,861447667	-0,10131933	0,93218013	Adam7
17258704	4,953166	4,850046	5,152771	5,03839	4,678763	4,934883	4,9853277	4,884012	-0,10131567	0,932182499	---
17381306	8,088327	8,10907	8,012215	7,917073	8,028809	7,959911	8,0698707	7,968597667	-0,101273	0,932210068	Mcm10
17320737	4,752461	4,574543	4,757516	4,406538	4,744064	4,630135	4,69484	4,593579	-0,101261	0,932217822	Adamts20
17457677	6,12029	6,032283	6,123081	6,035647	5,841193	6,095075	6,0918847	5,990638333	-0,10124633	0,932227299	---
17238447	4,236644	3,853669	4,790644	4,156428	4,19667	4,224159	4,2936523	4,192419	-0,10123333	0,9322357	---
17516649	4,512187	4,758915	4,81982	4,539925	4,707508	4,539925	4,696974	4,595786	-0,101188	0,932264994	Treh
17541715	2,998608	3,124937	3,063996	2,95532	3,025578	2,90314	3,0625137	2,961346	-0,10116767	0,932278133	Mir450b
17338071	6,229906	5,86712	5,912846	5,781415	5,891862	6,033118	6,0032907	5,902131667	-0,101159	0,93228733	Dlk2
17347896	4,260048	3,651848	4,121149	3,970377	3,93465	3,824565	4,011015	3,909864	-0,101151	0,932288903	---
17202601	3,401604	3,396003	3,221703	3,271541	3,284947	3,159434	3,33977	3,238640667	-0,10112933	0,932302904	---
17494781	4,973685	4,208295	4,812371	4,921543	4,211832	4,557606	4,6647837	4,563660333	-0,10112333	0,932306782	Olfr482
17323888	7,504753	7,6081	7,752189	7,542174	7,456758	7,562785	7,6216807	7,520572333	-0,10110833	0,932316475	Eif2b5
17363164	3,58547	3,487731	3,681939	3,499616	3,410837	3,541384	3,5850467	3,483945667	-0,101101	0,932321214	Olfr1499
17531981	6,262522	6,248388	6,456645	6,168124	6,386966	6,109175	6,3225183	6,221421667	-0,10109667	0,932324015	---
17370733	4,731704	4,476728	4,717125	4,702137	4,39184	4,528322	4,6418523	4,540766333	-0,101086	0,932330908	Tas2r134
17506585	6,311954	6,109432	6,303729	6,029669	6,217931	6,174271	6,241705	6,140623667	-0,10108133	0,932333924	Spire2
17523186	6,570723	6,871414	6,424937	6,73522	6,540083	6,288582	6,622358	6,521295	-0,101063	0,932345772	---
17537399	3,140042	3,214456	3,102417	3,10234	2,94827	3,103174	3,152305	3,051261333	-0,10104367	0,932358266	Gm5945
17539986	7,452847	7,522426	7,453733	7,331345	7,145212	7,649482	7,4763353	7,375346333	-0,100989	0,932393596	Suv39h1
17480078	11,70537	11,85044	11,82753	11,69799	11,61627	11,76616	11,794447	11,69347333	-0,10097333	0,932403721	Picalm
17522328	5,733369	5,743475	5,966979	5,790333	5,691743	5,658878	5,8146077	5,713651333	-0,10095633	0,932414708	2610002I17Rik
17528775	9,222346	9,27022	9,086168	8,999826	9,188298	9,087763	9,1929113	9,091962333	-0,100949	0,932419447	Gm5918
17456710	9,569994	9,791101	9,842894	9,61011	9,643925	9,647114	9,734663	9,633716333	-0,10094667	0,932420955	Tspan33
17272555	6,637842	6,611596	6,781734	6,632719	6,538713	6,556906	6,6770573	6,576112667	-0,10094467	0,932422248	Tmc6
17224379	5,541682	5,68	5,431921	5,585937	5,308229	5,456628	5,551201	5,450264667	-0,10093633	0,932427634	Fev
17481320	3,98951	3,621731	3,60591	3,497393	3,804572	3,612515	3,7390503	3,63816	-0,10089033	0,932457365	Olfr654
17458020	7,20489	7,473107	7,308892	7,378059	7,162333	7,143858	7,328963	7,228083333	-0,10087967	0,932464259	Arhgef5
17517095	3,091417	2,958253	3,015963	2,839602	2,924946	2,998575	3,0218777	2,921041	-0,10083667	0,932492052	---
17386714	4,744166	4,748061	4,86358	4,606618	4,660532	4,786176	4,785269	4,684442	-0,100827	0,9324983	Ttc30b
17522479	5,362792	5,506264	5,518928	5,199313	5,661833	5,224365	5,4626613	5,361837	-0,10082433	0,932500023	Prss45
17356523	7,522429	7,833115	7,800271	7,452322	7,729399	7,671662	7,718605	7,617794333	-0,10081067	0,932508857	Sssca1 // Sssca1
17476938	5,343079	5,209476	5,473989	5,356469	5,109313	5,258349	5,3421813	5,241377	-0,10080433	0,932512951	---
17300207	3,945639	3,543917	3,728842	3,636686	3,553077	3,726316	3,739466	3,638693	-0,100773	0,932533204	---

17291525	7,729064	7,659199	7,204022	7,518921	7,474369	7,296745	7,5307617	7,430011667	-0,10075	0,932548071	Sox4
17471140	4,809891	5,065387	5,28359	4,969963	5,022541	4,864124	5,052956	4,952209333	-0,10074667	0,932550225	Ntf3
17530320	4,404492	4,396234	4,123568	4,255132	4,171163	4,195774	4,308098	4,207356333	-0,10074167	0,932553457	---
17411099	11,85871	11,99697	12,24285	12,04752	11,97946	11,76935	12,032843	11,93211	-0,10073333	0,932558844	---
17206083	4,104116	4,521101	4,178357	4,775486	4,11415	3,611799	4,267858	4,167145	-0,100713	0,932571988	---
17490917	6,354531	6,350407	6,327778	6,291864	6,329312	6,109426	6,3442387	6,243534	-0,10070467	0,932577374	Sec1
17464514	5,963723	5,904504	6,331616	5,88534	6,034639	5,977783	6,0666143	5,965920667	-0,10069367	0,932584485	Bicd1
17531075	6,423294	6,94066	6,81028	6,664324	6,668962	6,538871	6,7247447	6,624052333	-0,10069233	0,932585347	6230427J02Rik
17548205	3,283044	3,399688	3,830018	3,448498	3,598791	3,163413	3,50425	3,403567333	-0,10068267	0,932591596	Pdk1 // Pdk1
17281622	6,639108	6,579195	6,526336	6,296387	6,425737	6,720501	6,5815463	6,480875	-0,10067133	0,932598922	Cdkl1
17247533	11,03997	11,05438	10,89162	10,94312	10,84957	10,89128	10,995323	10,89465667	-0,10066667	0,932601938	Rab1
17325725	5,568182	5,15429	5,631198	5,601859	5,096584	5,353264	5,4512233	5,350569	-0,10065433	0,932609911	Drd3
17447095	10,30911	10,57803	10,58491	10,34886	10,38946	10,43182	10,490683	10,39004667	-0,10063667	0,932621331	---
17460099	5,747279	5,458554	5,947699	5,726807	5,423787	5,7011	5,717844	5,617231333	-0,10061267	0,932636846	Vax2
17248981	3,553194	3,612089	3,748275	3,573855	3,378326	3,659564	3,6378527	3,537248333	-0,10060433	0,932642233	Olfr1384
17548998	6,560431	7,13353	6,912242	6,7129	6,793503	6,79802	6,8687343	6,768141	-0,10059333	0,932649344	Tagln2 // Tagln2
17417210	3,687005	3,686961	3,896186	3,500967	3,573196	3,894227	3,7567173	3,65613	-0,10058733	0,932653223	Cyp4a30b-ps
17518142	7,653862	7,494697	7,552196	7,57607	7,441569	7,38138	7,5669183	7,466339667	-0,10057867	0,932658826	Tle3
17481590	4,873911	4,613075	4,797141	4,906864	4,431286	4,644272	4,7613757	4,660807333	-0,10056833	0,932665506	Olfr472
17439552	5,232349	4,971293	5,007625	5,008487	5,034195	4,866904	5,0704223	4,969862	-0,10056033	0,932670678	---
17389792	5,281945	4,972494	5,315778	4,822004	5,164009	5,28256	5,1900723	5,089524333	-0,100548	0,932678651	D2Ertd750e
17517456	10,07754	10,08375	10,0202	9,895447	9,986895	9,997509	10,060497	9,959950333	-0,10054633	0,932679729	Psma4
17400222	8,167187	8,090101	8,328297	8,091816	8,048846	8,143336	8,195195	8,094666	-0,100529	0,932690935	Vps72
17327995	9,223076	9,346023	9,300977	9,17208	9,158518	9,237925	9,2900253	9,189507667	-0,10051767	0,932698261	Carhsp1
17347203	6,238744	6,39935	6,422568	6,434559	6,339929	5,984638	6,353554	6,253042	-0,100512	0,932701925	Srd5a2
17402519	6,764453	6,572573	6,470517	6,359994	6,458385	6,687631	6,6025143	6,502003333	-0,100511	0,932702571	Tifa
17341451	4,181331	3,692349	3,636035	3,699867	3,767498	3,740961	3,8365717	3,736108667	-0,100463	0,932733604	Vmn2r113 // Vmn2r113
17537711	3,274234	3,07566	3,027537	2,977109	3,094288	3,004649	3,1258103	3,025348667	-0,10046167	0,932734466	---
17247067	7,879364	7,927828	7,703539	7,554317	7,775522	7,879527	7,8369103	7,736455333	-0,100455	0,932738776	Ykt6
17537722	9,237405	9,466763	9,171384	9,071013	9,26328	9,239913	9,2918507	9,191402	-0,10044867	0,932742871	Hnrnph2
17489522	5,552093	5,828009	5,62517	5,506467	5,633717	5,563764	5,668424	5,567982667	-0,10044133	0,932747612	Gm5058
17269241	4,851627	4,684865	4,489937	4,735789	4,53999	4,449458	4,6754763	4,575079	-0,10039733	0,93277606	Krtap4-13 // Krtap4-13
17442977	7,666675	7,955464	7,739563	7,725562	7,645994	7,688986	7,787234	7,686847333	-0,10038667	0,932782956	Crcp
17200163	3,032163	2,959124	2,987387	3,308611	2,718995	2,649984	2,9928913	2,89253	-0,10036133	0,932799336	---
17366814	5,996399	5,212221	5,47113	5,758745	5,3803	5,239672	5,5599167	5,459572333	-0,10034433	0,932810328	Mir669k // Mir669k
17366850	5,996399	5,212221	5,47113	5,758745	5,3803	5,239672	5,5599167	5,459572333	-0,10034433	0,932810328	Mir669k // Mir669k
17428430	8,061062	8,388124	8,218462	8,162706	7,966971	8,237	8,2225493	8,122225667	-0,10032367	0,93282369	Cmpk1
17466783	8,381052	8,4931	8,415202	8,270443	8,399038	8,318907	8,4297847	8,329462667	-0,100322	0,932824768	Skap2
17505367	7,653802	7,471782	7,188493	7,232979	7,407493	7,372697	7,4380257	7,337723	-0,10030267	0,932837269	Txnl4b
17207307	5,018224	4,30251	4,419777	3,8847	5,109161	4,445844	4,5801703	4,479901667	-0,10026867	0,932859253	---
17494688	3,790724	3,868106	3,88693	3,974893	3,573994	3,69609	3,8485867	3,748325667	-0,100261	0,93286421	Olfr695
17287426	5,412858	5,383276	5,296127	5,426168	5,11152	5,253817	5,364087	5,263835	-0,100252	0,93287003	Hrh2
17546410	2,888174	3,182858	2,778668	2,820455	2,899078	2,829478	2,9499	2,849670333	-0,10022967	0,932884471	---
17302617	7,921645	7,970727	8,032845	7,903329	7,824913	7,896333	7,9750723	7,874858333	-0,100214	0,932894602	---
17261750	6,577703	6,883945	7,027314	6,907028	6,750167	6,531143	6,829654	6,729446	-0,100208	0,932898482	Wwc1
17487023	3,985543	3,910876	3,910876	3,909698	3,944428	3,652587	3,935765	3,835571	-0,100194	0,932907535	Gm9519
17408085	4,792855	4,995465	5,012113	4,374896	5,25286	4,872112	4,9334777	4,833289333	-0,10018833	0,932911199	6330549D23Rik
17267700	4,354997	4,605323	4,755375	4,56702	4,500908	4,34723	4,5718983	4,471719333	-0,100179	0,932917234	---
17251423	4,389159	4,021271	4,517822	4,181223	4,423093	4,023419	4,3094173	4,209245	-0,10017233	0,932921545	Rnf222
17285513	3,827012	3,933678	4,072781	3,800174	3,944499	3,788299	3,9444903	3,844324	-0,10016633	0,932925425	---
17518672	10,27963	10,33452	10,33661	10,16747	10,21453	10,26835	10,31692	10,21678333	-0,10013667	0,932944609	Fam96a
17493807	6,137635	6,147039	6,208578	6,175027	6,032699	5,985124	6,1644173	6,064283333	-0,100134	0,932946334	Plekhb1
17517700	4,452446	4,509855	4,780659	4,416912	4,453036	4,572633	4,5809867	4,480860333	-0,10012633	0,932951292	Trcg1
17476702	5,163751	4,696163	4,657929	4,790197	4,931524	4,495778	4,839281	4,739166333	-0,10011467	0,932958836	---
17521711	4,626513	4,475516	4,873557	4,559675	4,583654	4,531957	4,6585287	4,558428667	-0,1001	0,932968321	1700102P08Rik
17207005	7,217706	7,119958	7,668925	7,143088	7,289326	7,273884	7,3355297	7,235432667	-0,100097	0,932970261	---
17545420	6,2865	6,200778	6,087265	5,854089	6,182672	6,237514	6,1915143	6,091425	-0,10008933	0,932975219	Ribc1
17351407	4,691764	4,516157	4,66052	4,41319	4,56714	4,587892	4,6228137	4,522740667	-0,100073	0,932985782	---
17205299	3,950144	3,833467	3,907494	3,728687	4,148437	3,513844	3,897035	3,796989333	-0,10004567	0,933003458	---
17249250	4,613207	4,382194	4,500779	4,494893	4,311169	4,389996	4,4987267	4,398686	-0,10004067	0,933006692	Olfr1378
17474227	4,938663	5,092142	5,15628	5,187032	5,134575	4,565368	5,0623617	4,962325	-0,10003667	0,933009278	Pnmal1
17291060	3,12725	3,552269	3,353422	3,120716	3,315031	3,29711	3,3443137	3,244285667	-0,100028	0,933014883	---
17240043	7,584326	7,45199	7,480516	7,508979	7,192895	7,514982	7,5056107	7,405618667	-0,099992	0,933038165	Gm20300 // Gm20300
17458010	3,336478	3,291198	3,434798	3,306553	3,343749	3,112274	3,354158	3,254192	-0,099966	0,933054981	Olfr435
17378311	7,822444	8,021564	7,44864	7,191686	8,101652	7,699434	7,764216	7,664257333	-0,09995867	0,933059723	---
17283830	6,215314	6,269289	6,157561	6,385004	5,593304	6,364077	6,2140547	6,114128333	-0,09992633	0,933080635	---
17374880	5,288017	5,116993	5,306089	5,257134	5,107827	5,046365	5,237033	5,137108667	-0,09992433	0,933081929	Tyro3
17351591	6,192308	6,313144	6,590728	6,225553	6,341828	6,229053	6,3653933	6,265478	-0,09991533	0,93308775	A730085E03Rik
17223834	3,714112	3,497858	3,424347	3,39893	3,459233	3,478411	3,545439	3,445524667	-0,09991433	0,933088396	Crygd
17311060	3,600538	3,632093	3,515087	3,541294	3,446565	3,460119	3,5825727	3,482659333	-0,09991333	0,933089043	---
17263463	7,823708	7,588188	7,654319	7,652226	7,55923	7,555031	7,6887383	7,588829	-0,09990933	0,93309163	Flcn
17247155	5,4598	5,470783	5,659911	5,510849	5,322451	5,457545	5,5301647	5,430281667	-0,099883	0,933108662	Myo1g // Myo1g
17355535	5,208608	5,247169	5,24851	5,053298	5,479402	4,871944	5,2347623	5,134881333	-0,099881	0,933109955	A330094K24Rik
17421732	4,126176	3,702893	3,56934	3,790382	3,600415	3,708019	3,7994697	3,699605333	-0,09986433	0,933120735	---
17411487	3,216783	3,01915	3,168221	2,980914	3,026143	3,097516	3,134718	3,034857667	-0,09986033	0,933123322	---
17225811	6,817524	6,727078	6,230052	6,834929	6,287614	6,352559	6,5915513	6,491700667	-0,09985067	0,933129575	---
17248860	8,373988	8,389109	7,92766	7,772445	8,266068	8,352712	8,2302523	8,130408333	-0,099844	0,933133887	Timd4
17331859	3,571323	3,83966	3,644049	3,507815	3,604068	3,643628	3,6850107	3,585170333	-0,09984033	0,933136258	LOC433047
17330803	3,57098	3,381358	3,388801	3,535062	3,295518	3,211135	3,4470463	3,347238333	-0,099808	0,933157172	---
17445280	8,694513	8,727461	8,438127	8,495331	8,575218	8,490173	8,6200337	8,520240667	-0,099793	0,933166874	Ankib1
17211522	3,150327	3,301951	2,925076	2,94577	3,016126	3,116103	3,1257847	3,025999667	-0,099785	0,933172049	---
17303757	9,497493	9,545411	9,498775	9,250854	9,431397	9,56009	9,513893	9,414113667	-0,09977933	0,933175714	Dnajc9
17221242	11,81426	11,90738	12,11819	11,92042	11,94158	11,67861	11,94661	11,84687	-0,09974	0,933201156	---
17223616	9,31839	9,486435	9,372604	9,468667	9,040793	9,368755	9,3924763	9,292738333	-0,099738	0,93320245	Raph1
17268093	4,367874	4,471168	4,476624	4,404446	4,474979	4,137049	4,4385553	4,338824667	-0,09973067	0,933207194	Gm11544
17538051	3,810807	3,748481	3,589135	3,529614	3,612386	3,707448	3,716141	3,616482667	-0,09965833	0,933253984	4930513O06Rik
17292276	10,81733	11,09087	11,10521	10,87159	10,90491	10,93804	11,00447	10,90484667	-0,09962333	0,933276625	Dek
17357126	9,043244	9,298608	9,335899	9,197021	9,102386	9,079477	9,225917	9,126294667	-0,09962233	0,933277272	Snhg1
17507842	3,673234	3,701838	3,634017	3,618108	3,508441	3,583673	3,6696963	3,570074	-0,09962233	0,933277272	Defb12
17205255	3,33228	3,309598	3,413188	3,200738	3,410933	3,144555	3,3516887	3,252075333	-0,09961333	0,933283094	---
17209445	3,33228	3,309598	3,413188	3,200738	3,410933	3,144555	3,3516887	3,252075333	-0,09961333	0,933283094	---
17273948	7,508492	7,312582	7,163416	7,130065	7,148602	7,40701	7,3281633	7,228559	-0,09960433	0,933288916	Sdc1
17517481	8,515846	8,567389	8,604979	8,375002	8,435695	8,578737	8,562738	8,463144667	-0,09959333	0,933296032	Ube2q2
17383835	7,245628	7,332533	7,445177	7,333592	7,338996	7,052018	7,3411127	7,241535333	-0,09957733	0,933306382	Uck1
17209963	5,70867	6,561336	6,132713	5,950852	6,663986	5,489204	6,1342397	6,034680667	-0,099559	0,933318243	---
17548802	3,958656	4,654567	4,244445	4,121581	4,564213	3,873282	4,2858893	4,186358667	-0,09953067	0,933336572	LOC100040263
17475061	5,480956	5,363419	5,523698	5,399336	5,409345	5,260852	5,4560243	5,356511	-0,09951333	0,933347786	Gm4598
17500593	4,89081	5,325253	5,732358	5,232048	5,274903	5,142934	5,3161403	5,216628333	-0,099512	0,933348649	Gm10063
17373155	8,414958	8,545092	8,526764	8,367975	8,433296	8,387025	8,4956047	8,396098667	-0,099506	0,93335253	Psmc3
17209051	3,620254	3,346052	3,872883	3,310574	3,654994	3,575147	3,613063	3,513571667	-0,09949133	0,933362019	---
17337919	6,249424	6,166321	6,442209	6,082902	6,14605	6,330536	6,2859847	6,186496	-0,09948867	0,933363744	Tcte1
17305789	9,853429	10,04599	9,99877	9,807656	9,858719	9,933374	9,966063	9,866583	-0,09948	0,933369351	Dlgap5
17317900	6,962362	6,870021	6,877955	6,898196	6,764039	6,749695	6,903446	6,803976667	-0,09946933	0,933376252	Gm10362
17363016	3,90681	3,798094	3,806241	3,758018	3,802251	3,652504	3,8370483	3,737591	-0,09945733	0,933384016	Oosp1
17256932	6,699798	6,977042	6,87906	6,855603	6,748274	6,653652	6,8519667	6,752509667	-0,099457	0,933384232	Tmub2
17283991	5,405739	5,247779	5,347751	5,223576	4,996652	5,482704	5,3337563	5,234310667	-0,09944567	0,933391564	---
17534555	7,353402	7,198952	7,180722	7,144681	7,190283	7,099806	7,2443587	7,144923333	-0,09943533	0,933398249	Sash3
17261247	6,169891	6,059676	6,292094	6,163157	6,077539	5,98266	6,173887	6,074452	-0,099435	0,933398465	A630052C17Rik
17549182	3,159042	3,234406	3,126909	3,010823	3,154505	3,056734	3,1734523	3,074020667	-0,09943167	0,933400622	---
17325919	8,973332	9,112471	8,795566	8,859161	8,831102	8,916855	8,9604563	8,861039333	-0,099417	0,933410111	Atg3
17312278	3,630687	3,772181	3,856187	3,656879	3,690809	3,613195	3,7530183	3,653627667	-0,09939067	0,933427148	---
17366631	4,536154	4,456411	4,141075	4,396657	4,2712	4,16763	4,37788	4,278495667	-0,09938433	0,933431246	1700061F12Rik
17497713	7,740016	8,047532	7,519629	7,733862	7,788509	7,486675	7,769059	7,669682	-0,099377	0,933435991	Ifitm2
17468261	5,740685	5,758928	5,617312	5,66919	5,548161	5,601467	5,7056417	5,606272667	-0,099369	0,933441167	Paip2b
17263148	3,939593	3,920763	4,11157	3,843167	3,967919	3,862733	3,990642	3,891273	-0,099369	0,933441167	Olfr30
17222878	7,854916	7,897352	8,019417	7,831544	7,832635	7,809415	7,923895	7,824531333	-0,09936367	0,933446418	Gm3940
17435419	4,455167	4,200401	4,248262	4,391474	3,935427	4,278852	4,3012767	4,201917667	-0,099359	0,933447637	1700022A21Rik
17207389	3,124666	3,063464	3,052959	2,884179	3,310443	2,748391	3,080363	2,981004333	-0,09935867	0,933447853	---
17446620	5,501994	5,354262	5,631191	5,494866	5,268921	5,42562	5,4958157	5,396469	-0,09934667	0,933455617	Dnajb6 // Dnajb6
17542023	3,802007	3,628946	3,651848	3,671942	3,546324	3,566507	3,694267	3,594924333	-0,09934267	0,933458205	Gm7073
17418168	5,132866	5,114429	5,156688	5,026198	5,111136	4,968736	5,134661	5,035356667	-0,09930433	0,933483008	Nt5c1a
17233794	6,549801	6,537537	6,493953	6,58613	6,278548	6,418763	6,527097	6,427813667	-0,09928333	0,933496596	Ddx21 // Ddx21
17530920	4,808883	4,846246	4,930731	4,808009	4,7063	4,773705	4,8619533	4,762671333	-0,099282	0,933497459	---
17206313	3,378995	4,835287	5,266931	4,729966	3,877263	4,576222	4,4937377	4,394483667	-0,099254	0,933515576	---
17247371	4,332368	4,272116	4,260388	4,210687	4,088874	4,267564	4,2882907	4,189041667	-0,099249	0,933518812	Pom121l12
17499560	8,24308	8,496814	8,164845	8,079833	8,111595	8,415581	8,3015797	8,202336333	-0,09924333	0,933522478	Agpat5
17391655	5,668677	5,71493	5,837419	5,548114	5,727535	5,647687	5,740342	5,641112	-0,09923	0,933531106	4930473A02Rik
17449635	10,27364	10,06218	9,996486	9,939982	10,14438	9,950286	10,110769	10,01154933	-0,09921933	0,933538008	---
17294416	8,097406	8,051884	7,846066	7,984282	7,965884	7,747535	7,998452	7,899233667	-0,09921833	0,933538655	Zfp825
17300441	6,625292	6,417017	6,676749	6,529931	6,335553	6,555926	6,5730193	6,473803333	-0,099216	0,933540165	Lrrc16b
17528537	4,274529	4,156139	4,066225	4,131861	3,968277	4,099136	4,165631	4,066424667	-0,09920633	0,93354642	LOC434412
17404474	8,44846	8,646205	8,085361	8,350187	8,171257	8,361001	8,393342	8,294148333	-0,09919367	0,933554617	1600012F09Rik
17208247	7,563182	7,678506	7,215707	6,842093	7,409391	7,908347	7,4857983	7,386610333	-0,099188	0,933558283	---
17482160	7,439627	7,749485	7,258881	7,417949	7,447693	7,284789	7,4826643	7,383477	-0,09918733	0,933558715	6330503K22Rik

17303578	8,950559	9,201937	9,030586	8,905999	8,990845	8,988685	9,0610273	8,961843	-0,09918433	0,933560656	Psmd6	
17370330	3,319385	3,452257	3,183736	3,2916	3,080456	3,285779	3,3184593	3,219278333	-0,099181	0,933562813	Olfr339	
17298738	8,035345	8,078143	7,833674	7,97768	7,820233	7,851728	7,9823873	7,883213667	-0,09917367	0,933567558	Gdf2	
17475874	4,977938	4,887092	5,172864	4,981913	4,814253	4,944213	5,0126313	4,913459667	-0,09917167	0,933568853	Fbxo27	
17301272	4,938931	5,045869	4,958193	4,843935	4,926877	4,874702	4,9809977	4,881838	-0,09915967	0,933576618	Prss51	
17347846	7,716729	7,677939	7,724232	7,623491	7,645608	7,552332	7,7063	7,607143667	-0,09915633	0,933578775	Srbd1	
17323473	8,558428	8,608009	8,503222	8,448619	8,34202	8,581555	8,556553	8,457398	-0,099155	0,933579638	Crkl	
17419316	4,197484	3,80084	4,225787	4,106493	4,09353	3,726624	4,0747037	3,975549	-0,09915467	0,933579853	---	
17363107	8,284336	8,435654	8,413233	8,301142	8,228527	8,306139	8,377741	8,278602667	-0,09913833	0,933590423	U05342	
17238760	5,142254	4,462854	5,430341	5,183014	4,769094	4,785945	5,0118163	4,912684333	-0,099132	0,933594521	---	
17265721	4,639005	4,605686	5,05636	4,60753	4,830948	4,565185	4,767017	4,667887667	-0,09912933	0,933596247	4732414G09Rik	
17417817	3,447095	3,913449	3,681522	3,667007	3,466375	3,611347	3,6806887	3,581576333	-0,09911233	0,933607248	Olfr1340	
17285668	9,922809	9,886562	9,811195	9,729603	9,766366	9,827261	9,873522	9,77441	-0,099112	0,933607464	---	
17363644	7,829989	8,078185	7,718026	7,818489	7,826735	7,683682	7,8754	7,776302	-0,099098	0,933616524	Cbwd1	
17375911	8,393325	8,315872	8,265477	8,162281	8,230911	8,284294	8,3248913	8,225828667	-0,09906267	0,933639389	Mrps5	
17472465	3,999323	3,88491	3,71681	3,791238	3,719375	3,793252	3,8670143	3,767955	-0,09905933	0,933641546	---	
17424452	4,594796	4,698886	4,174816	4,136046	4,513207	4,522155	4,4894993	4,390469333	-0,09903	0,93366053	Gm2564 // Gm2457 // Gm12407 // Gm2	
17436054	5,62758	5,325654	5,449686	5,388228	5,393422	5,324205	5,46764	5,368618333	-0,09902167	0,933665923	Gtf3c2 // Gtf3c2	
17333589	8,831627	9,034573	8,786291	8,721774	8,781989	8,851686	8,8841637	8,785149667	-0,099014	0,933670884	Chd1	
17394160	4,863955	4,779338	5,034007	5,007814	4,683549	4,688906	4,8924333	4,793423	-0,09901033	0,933673257	Matn4	
17518616	7,604174	7,668894	7,492467	7,504329	7,450288	7,513918	7,5885117	7,489511667	-0,099	0,933679945	Rbpms2	
17441585	4,449029	4,280083	4,416334	4,311933	4,457464	4,079064	4,3818153	4,282820333	-0,098995	0,933683181	---	
17525425	3,462977	3,052797	3,233192	3,045095	3,301273	3,105647	3,2496553	3,150671667	-0,09898367	0,933690516	Pate4	
17341705	8,798326	8,59778	8,786224	8,496194	8,685183	8,704096	8,7274433	8,628491	-0,09895233	0,933710794	---	
17320813	5,255314	5,357025	5,196397	5,248006	5,175316	5,088615	5,2695787	5,170645667	-0,098933	0,933723307	Nell2	
17333410	5,307629	4,914036	4,614419	4,249145	4,994061	5,29611	4,9453613	4,846438667	-0,09892267	0,933729995	Smok4a	
17202369	7,195171	6,507707	7,566829	6,798367	7,027759	7,146853	7,0899023	6,990993	-0,09890933	0,933738624	---	
17480143	4,694428	4,809184	4,680022	4,617687	4,691779	4,577486	4,727878	4,628984	-0,098894	0,933748548	Dlg2	
17467290	3,998468	4,005836	3,967536	3,856547	4,03462	3,78409	3,9906133	3,891752333	-0,098861	0,933769907	Vmn1r32	
17442177	7,00844	6,967854	7,13472	7,021471	6,940367	6,852643	7,0370047	6,938160333	-0,09884433	0,933780694	Orai1	
17545809	4,251255	3,958621	3,980643	4,099204	3,806365	3,988429	4,0635063	3,964666	-0,09884033	0,933783283	Gja6	
17455216	3,289539	3,448309	3,84322	3,332241	3,676382	3,27595	3,5270227	3,428191	-0,09883167	0,933788893	1700001J03Rik	
17496041	5,217204	4,641652	4,996391	5,055315	4,60931	4,894178	4,951749	4,852934333	-0,09881467	0,933799896	4933440M02Rik	
17364845	4,877732	5,340071	5,188589	4,888198	5,142657	5,079094	5,135464	5,036649667	-0,09881433	0,933800112	D19Ertd386e // D19Ertd386e	
17367338	4,009377	4,235009	4,086582	4,050591	3,949815	4,034155	4,1103227	4,011520333	-0,09880233	0,933807879	Armc3	
17501170	4,78727	4,830935	4,842608	4,704416	4,822206	4,637836	4,820271	4,721486	-0,098785	0,933819098	Asb5	
17210537	5,425596	5,693455	5,489472	5,520862	5,283995	5,507379	5,5361743	5,437412	-0,09876233	0,93383377	---	
17209611	4,418374	4,483925	4,759546	4,31516	4,368059	4,682344	4,5539483	4,455187667	-0,09876067	0,933834849	---	
17222601	5,688433	5,575461	5,73136	5,672607	5,531301	5,495067	5,6650847	5,566325	-0,09875967	0,933835496	Gm16894	
17417400	6,289227	6,095253	6,286538	6,167475	6,064076	6,143189	6,2236727	6,124913333	-0,09875933	0,933835712	1700042G07Rik	
17296248	9,466569	9,572109	9,313231	9,324995	9,351225	9,379544	9,4506363	9,351921333	-0,098715	0,933864409	Skiv2l2	
17316278	4,164778	3,63862	4,230097	4,087755	3,892884	3,75672	4,011165	3,912453	-0,098712	0,933866351	---	
17455969	4,559542	4,597284	4,817237	4,55094	4,671663	4,45543	4,658021	4,559344333	-0,09867667	0,933889222	---	
17219762	5,071618	5,297508	5,00424	5,142785	4,894153	5,040438	5,1244553	5,025792	-0,09866333	0,933897853	Olfr414	
17526287	5,522753	5,353558	5,559969	5,362867	5,293743	5,483685	5,47876	5,380098333	-0,09866167	0,933898932	Foxr1	
17241553	5,154645	5,050024	5,006425	4,927106	5,168067	4,819988	5,0703647	4,971720333	-0,09864433	0,933910153	Mypn	
17439530	3,774798	3,340138	3,56083	3,514041	3,507045	3,358818	3,5585887	3,459968	-0,09862067	0,933925473	---	
17224270	7,842312	7,736365	7,942737	7,805429	7,751405	7,668718	7,8404713	7,741850667	-0,09862067	0,933925473	Tmbim1	
17301211	3,062135	2,940817	3,110764	3,01341	3,069888	2,734574	3,0379053	2,939290667	-0,09861467	0,933929357	---	
17401293	4,721416	4,608295	4,54236	4,525482	4,601924	4,448841	4,6240237	4,525415667	-0,098608	0,933933673	Gm15472	
17316569	5,567763	5,578094	5,821229	5,690812	5,524217	5,456357	5,6556953	5,557128667	-0,09856667	0,933960431	Gm16136	
17517390	9,202374	9,287829	9,07378	9,104294	8,954181	9,209878	9,1879943	9,089451	-0,09854333	0,933975536	Idh3a	
17391971	11,52992	11,61542	11,64862	11,45861	11,54557	11,49417	11,597987	11,49945	-0,09853667	0,933979852	Pcna	
17455652	5,644935	5,123054	5,038509	5,395713	4,712228	5,403001	5,2688327	5,170314	-0,09851867	0,933991505	LOC100862180 // LOC100862166 // Gm7	
17424998	7,300956	7,354573	7,240108	6,912579	7,398278	7,289258	7,2985457	7,200038333	-0,09850733	0,933998842	Xpa	
17518256	7,447655	7,340204	7,230814	7,180956	7,336566	7,20565	7,3395577	7,241057333	-0,09850033	0,934003374	Aagab	
17245320	8,236679	8,056056	7,957033	7,973583	8,046333	7,934357	8,083256	7,984757667	-0,09849833	0,934004669	Cdc5l // Cdc5l	
17551133	8,93362	9,038321	8,994102	8,871176	8,858049	8,941357	8,988681	8,890194	-0,098487	0,934012006	---	
17390485	5,053173	4,773294	4,889412	4,865641	4,697124	4,857687	4,905293	4,806817333	-0,09847567	0,934019343	---	
17472108	5,867561	5,417292	5,583918	5,690141	5,201396	5,68195	5,6229237	5,524495667	-0,098428	0,934050204	E330021D16Rik	
17378321	3,270892	3,994832	2,973156	2,906405	3,453524	3,583673	3,41296	3,314534	-0,098426	0,934051499	---	
17423187	3,118998	3,089074	3,249575	2,945583	2,982331	3,234455	3,152549	3,054123	-0,098426	0,934051499	---	
17331228	3,007075	3,084231	2,995165	2,924065	2,9837	2,883446	3,0288237	2,930403667	-0,09842	0,934055383	Olfr176	
17387831	3,690529	3,329426	3,477278	3,36243	3,502249	3,337316	3,4990777	3,400665	-0,09841267	0,934060131	Olfr1180	
17367906	7,71576	8,067356	8,077196	8,314489	7,255077	7,995655	7,9534373	7,855073667	-0,09836367	0,934091856	---	
17277879	8,642839	8,514827	8,360247	8,395417	8,348228	8,479226	8,505971	8,407623667	-0,09834733	0,934102432	Tdp1	
17433301	4,893531	4,372414	4,799489	4,529096	4,813749	4,42755	4,688478	4,590131667	-0,09834633	0,934103079	---	
17219751	3,516399	3,453524	3,527376	3,508646	3,280551	3,413076	3,4990997	3,400757667	-0,098342	0,934105885	1810030J14Rik // 1810030J14Rik	
17229110	3,947704	3,619813	4,122095	3,985915	3,775136	3,633566	3,8965373	3,798205667	-0,09833167	0,934112575	---	
17496283	10,69532	10,80846	10,76688	10,6322	10,68387	10,65964	10,756887	10,65857	-0,09831667	0,934122288	Eif3c	
17533336	9,370921	9,596185	9,486541	9,388946	9,439855	9,329906	9,484549	9,386235667	-0,09831333	0,934124446	Atp6ap2	
17236016	3,570994	3,748942	3,509929	3,372462	3,488612	3,673901	3,609955	3,511658333	-0,09829667	0,934135237	---	
17445160	3,127495	3,218912	3,276754	3,199002	3,056237	3,073035	3,2077203	3,109424667	-0,09829567	0,934135885	Fry	
17472899	4,839891	4,429214	4,834539	4,664693	4,588928	4,555185	4,7012147	4,602935333	-0,09827933	0,934146461	---	
17510351	5,642461	5,341796	5,600217	5,401537	5,378123	5,509998	5,528158	5,429886	-0,098272	0,934151209	Tmem221	
17384994	8,292592	8,312927	8,166225	8,117194	8,251307	8,108462	8,257248	8,158987667	-0,09826033	0,934158763	Orc4	
17489954	4,024794	3,865324	4,341572	3,650719	4,179644	4,106548	4,07723	3,978970333	-0,09825967	0,934159195	LOC546957	
17539646	4,630021	4,191721	4,522607	4,1741	4,476506	4,399047	4,4481163	4,349884333	-0,098232	0,93417711	---	
17387969	3,968861	3,841134	3,652374	3,75081	3,655003	3,761861	3,8207897	3,722558	-0,09823167	0,934177325	Olfr1247	
17236681	7,82987	7,977903	7,748302	7,57935	7,722386	7,95966	7,852025	7,753798667	-0,09822633	0,934180779	Ndufa12	
17201143	4,036381	4,414185	4,201473	4,20005	4,220323	3,937018	4,2173463	4,119130333	-0,098216	0,93418747	---	
17537283	4,833015	4,467397	4,461094	4,573888	4,487166	4,405827	4,5871687	4,488960333	-0,09820833	0,934192434	Dach2	
17503596	9,20028	9,129356	9,26917	9,128457	9,098896	9,076843	9,199602	9,101398667	-0,09820333	0,934195672	Papd5	
17509005	3,126293	3,100558	3,114973	2,869683	2,920631	3,256909	3,1139413	3,015741	-0,09820033	0,934197615	Adam26a	
17416757	4,919531	5,812621	5,340568	4,935137	5,404069	5,438944	5,3575733	5,259383333	-0,09819	0,934204306	---	
17371221	4,019038	4,15461	3,741345	3,841381	3,724744	4,054378	3,9716643	3,873501	-0,09816333	0,934221574	Scn2a1	
17549614	6,147496	6,016909	5,866909	5,55477	6,016649	6,165428	6,010438	5,912282333	-0,09815567	0,934226538	---	
17290188	2,912418	2,839739	2,939525	2,794882	2,655808	2,946594	2,8972273	2,799094667	-0,09813267	0,934241432	---	
17336144	7,233179	6,967628	7,145506	7,013318	6,867863	7,170735	7,1154377	7,017305333	-0,09813233	0,934241648	Zfp414	
17377675	9,949999	10,09651	10,01854	9,900687	9,973289	9,896784	10,021683	9,923586667	-0,09809633	0,934264961	Csnk2a1	
17386340	6,109972	5,834171	6,063992	6,035641	5,872404	5,805803	6,0027117	5,904616	-0,09809567	0,934265393	1500002O10Rik	
17284839	6,07106	5,787281	5,721972	5,903994	5,786177	5,595913	5,8601043	5,762028	-0,09807633	0,934277913	Itgb8	
17315388	5,784219	6,434996	6,735004	6,213194	6,526515	5,920302	6,318073	6,220003667	-0,09806933	0,934282446	---	
17481225	3,241409	3,298528	3,045261	3,0569	3,080333	3,153773	3,195066	3,097002	-0,098064	0,9342859	Olfr243	
17514359	9,255026	9,468659	9,462205	9,288514	9,195786	9,407429	9,3952967	9,297243	-0,09805367	0,934292592	Alkbh8	
17408875	3,384793	3,637443	3,568624	3,447494	3,550127	3,299106	3,5302867	3,432242333	-0,09804433	0,934298636	1700027A23Rik	
17548207	9,159607	9,457827	9,305769	9,185579	9,153525	9,289978	9,3077343	9,209694	-0,09804033	0,934301226	---	
17378328	9,284681	9,244415	9,433978	9,172899	9,412969	9,083094	9,3210247	9,222987333	-0,09803733	0,934303169	---	
17407431	3,239752	3,266634	3,34331	2,971385	3,403323	3,18088	3,283232	3,185196	-0,098036	0,934304033	Lce1a1	
17414828	5,355891	5,487424	5,526657	5,330453	5,60189	5,143522	5,4566573	5,358621667	-0,09803567	0,934304248	Trim32	
17546923	3,566943	4,353857	3,903004	3,593912	4,319489	3,616342	3,941268	3,843247667	-0,09802033	0,934314179	Rbmy1a1	
17313974	4,399942	4,863921	4,616336	4,522343	4,604539	4,45926	4,626733	4,528714	-0,098019	0,934315042	---	
17513166	9,369025	9,330498	9,340386	9,136874	9,354117	9,25487	9,3466363	9,248620333	-0,098016	0,934316985	Cfdp1	
17200113	5,632561	6,137168	6,471662	5,811014	5,767759	6,368578	6,0804637	5,982450333	-0,09801333	0,934318712	---	
17282776	5,935367	5,974602	5,993756	5,822529	5,767656	6,019509	5,9679083	5,869898	-0,09801033	0,934320655	6430527G18Rik	
17359079	4,931246	4,613513	4,955998	4,58648	4,795782	4,824479	4,8335857	4,735580333	-0,09800533	0,934323893	Cyp26c1	
17364762	9,569139	9,945166	9,692412	9,710472	9,598046	9,604232	9,7355723	9,637583333	-0,097989	0,934334471	Exosc1	
17417620	2,979577	3,051803	3,189444	3,036137	2,866532	3,024211	3,073608	2,975626667	-0,09798133	0,934339436	---	
17517914	10,05758	10,07004	9,980242	9,852963	9,982138	9,978834	10,035954	9,937978333	-0,09797567	0,934343106	Nptn	
17336595	6,127203	6,566538	6,449472	6,547297	6,094083	6,207921	6,381071	6,283100333	-0,09797067	0,934346344	Gpsm3	
17384976	4,494018	4,658776	4,527233	4,327272	4,406825	4,652053	4,560009	4,46205	-0,097959	0,9343539	---	
17545708	4,672589	4,835997	5,301819	5,059563	4,641033	4,815966	4,9368017	4,838854	-0,09794767	0,93436124	---	
17548973	10,07792	10,091	9,850943	9,870105	9,923846	9,932107	10,006621	9,908686	-0,097935	0,934369444	Pten // Pten	
17316845	7,083152	6,83622	7,126523	6,838427	7,030073	6,8836	7,0152983	6,917366667	-0,09793167	0,934371602	Sybu	
17396093	4,615728	4,693995	4,86046	4,573576	4,694418	4,608444	4,7233943	4,625479333	-0,097915	0,934382397	Gm6300	
17551083	4,014363	4,240016	4,381603	4,097448	4,258736	3,986065	4,211994	4,114083	-0,097911	0,934384987	---	
17228102	7,649195	7,603362	7,850909	7,517094	7,59798	7,694679	7,7011553	7,603251	-0,09790433	0,934389305	Arpc5 // Arpc5	
17377540	6,294467	6,141018	6,125596	6,295382	5,942327	6,029696	6,187027	6,089135	-0,0978892	0,934397293	4921509C19Rik	
17255604	5,201144	5,192003	5,184563	4,849083	5,298066	5,136893	5,19257	5,094680667	-0,09788933	0,93439902	Hoxb3	
17400424	5,076769	4,676456	4,847566	5,004255	4,734268	4,568696	4,8669303	4,769073	-0,09785733	0,934419746	---	
17515813	5,089836	5,124384	5,011954	4,876572	5,28104	4,774998	5,0753913	4,977536667	-0,09785467	0,934421473	Kcnj1	
17431836	4,962805	4,899448	4,738724	4,732113	4,820949	4,754404	4,8669923	4,769155333	-0,097837	0,934432916	---	
17249640	5,486195	5,48844	5,569381	5,516747	5,338483	5,395307	5,514672	5,416845667	-0,09782633	0,934439825	Acsl6	
17470627	5,282355	5,349975	5,10926	5,03757	5,409592	5,000968	5,2471967	5,149376667	-0,09782	0,934443927	Clec4e	
17284135	7,329432	7,500066	7,376931	7,574879	7,162474	7,175653	7,402143	7,304335333	-0,09780767	0,934451915	Xrcc3	
17410612	7,73021	7,841154	7,747741	8,173811	7,194243	7,65764	7,773035	7,675231333	-0,09780367	0,934454506	Gm19693	
17511464	3,323164	3,110419	3,332807	3,293393	2,96774	3,211851	3,2554633	3,157661333	-0,097802	0,934455586	---	
17402797	9,613609	9,82972	9,728807	9,512877	9,657062	9,708852	9,7240453	9,626263667	-0,09778167	0,934468756	Cenpe	
17202661	3,86629	3,453525	4,200724	3,319993	3,737902	4,169358	3,8401797	3,742417667	-0,097762	0,934481495	---	
17398732	2,937702	3,113981	3,118685	3,025035	3,012819	2,839249	3,0567893	2,959034333	-0,097755	0,934486029	---	
17204209	3,234948	3,246903	3,290392	3,230367	3,044502	3,204117	3,2574143	3,159662	-0,09775233	0,934487756	---	
17504958	6,477754	6,780454	5,986547	6,107829	6,362548	6,481123	6,4149183	6,317166667	-0,09775167	0,934488188	Nutf2	
17410982	4,638175	4,68385	4,569813	4,723122	4,446132	4,429345	4,6306127	4,532866333	-0,09774633	0,934491643	Gm20271	
17348356	7,726821	7,689242	7,824446	7,593917	7,803931	7,549424	7,7468363	7,649090667	-0,09774567	0,934492074	Snrpd1	

17268786	5,614807	5,759143	5,594833	5,460062	5,693389	5,52216	5,656261	5,558537	-0,097724	0,934506109	Neurod2
17424811	3,712032	3,677235	3,773598	3,595591	3,684074	3,590054	3,720955	3,623239667	-0,09711533	0,934511723	Olfr159
17493292	8,797992	8,791886	8,776067	8,686309	8,492432	8,894221	8,7886483	8,690987333	-0,097661	0,934546918	Tmem126a
17360599	5,344383	5,501837	5,676728	5,37032	5,5502	5,309476	5,5076493	5,409998667	-0,09765067	0,934553612	Adrb1
17301010	8,5982	8,668039	8,637161	8,52667	8,642053	8,441734	8,6344667	8,536819	-0,09764767	0,934555555	Mtmr6
17200347	3,105409	3,455424	3,39799	3,23077	3,421503	3,013662	3,3196077	3,221978333	-0,09762933	0,934567431	---
17200013	4,912636	5,069479	5,32028	4,426407	5,05061	5,532502	5,1007983	5,003173	-0,09762533	0,934570022	---
17516222	3,113935	3,115842	3,315359	3,066367	3,165637	3,020425	3,181712	3,084143	-0,097569	0,934606516	Olfr921
17537780	4,520919	4,169375	4,310485	3,972593	4,328794	4,406741	4,333593	4,236042667	-0,09755033	0,934618608	---
17515004	5,876313	6,205668	6,186225	5,932844	6,02293	6,01983	6,089402	5,991868	-0,097534	0,93462919	Fbxl12
17287206	10,01377	10,16982	10,04995	10,02172	9,965824	9,953615	10,077847	9,980386333	-0,09746033	0,934676915	Iars
17417767	8,642002	8,647749	8,67244	8,548674	8,574775	8,546388	8,6540637	8,556612333	-0,09745133	0,934682745	Elovl1
17468405	5,796717	5,745835	5,958922	5,786672	5,830513	5,591938	5,8338247	5,736374333	-0,09745033	0,934683393	Egr4
17446307	9,860342	9,868334	9,775994	9,731215	9,742526	9,738606	9,83489	9,737449	-0,097441	0,93468944	Rheb
17485975	5,195912	5,235439	5,371314	5,291772	4,99475	5,223844	5,267555	5,170122	-0,097433	0,934694623	Zfp579
17494774	3,586755	3,617548	3,453211	3,404209	3,57699	3,384025	3,5525047	3,455074667	-0,09743	0,934696567	Olfr471
17277177	5,532317	5,634203	5,588015	5,442198	5,472512	5,547569	5,584845	5,487426333	-0,09741867	0,93470391	Dnalc1
17365233	4,287031	4,730713	4,28096	4,326704	4,393455	4,286294	4,4329013	4,335484333	-0,097417	0,934704989	Fgf8
17356987	8,411822	8,292941	8,262961	8,091012	8,411684	8,172789	8,3225747	8,225161667	-0,097413	0,934707581	Ppp1r14b
17438423	10,72651	10,77273	10,7291	10,74101	10,61627	10,5789	10,74278	10,64539333	-0,09738667	0,934724642	Paics
17513548	4,880762	4,866745	5,219757	4,907557	5,225182	4,542377	4,989088	4,891705333	-0,09738267	0,934727234	---
17404923	5,778504	5,528995	5,773663	5,653459	5,543921	5,591642	5,6937207	5,596340667	-0,09738	0,934728962	Gm5148
17458885	4,68097	4,741708	4,89427	4,778343	4,696245	4,550226	4,772316	4,674938	-0,097378	0,934730257	Ppp1r17
17508512	5,305701	5,301729	5,670269	5,097379	5,553118	5,335142	5,4258997	5,328546333	-0,09735333	0,934746239	---
17284194	5,910577	5,76238	5,928061	5,594877	5,835976	5,878161	5,867006	5,769671333	-0,09733467	0,934758334	Tmem179
17507487	5,41888	4,92133	5,698282	5,254116	5,086591	5,405792	5,346164	5,248833	-0,097331	0,934760709	---
17443060	5,592546	5,430305	5,482203	5,32667	5,793602	5,092821	5,5016847	5,404364333	-0,09732033	0,934767621	---
17205779	7,14776	7,126069	7,44864	7,492175	6,973938	6,964466	7,240823	7,143526333	-0,09729667	0,934782955	---
17547817	4,291705	3,807737	4,084802	3,982638	3,840152	4,069598	4,0614147	3,964129333	-0,09728533	0,934790299	1700054O19Rik
17280893	9,795455	9,745375	9,386292	9,543562	9,488895	9,602879	9,642374	9,545112	-0,097262	0,934805417	Dnajb9
17308746	8,101444	8,149368	8,103076	7,969197	8,164235	7,928682	8,1179627	8,020704667	-0,097258	0,934808009	1200011I18Rik
17548166	3,145125	3,058992	3,116134	3,046187	2,965631	3,016822	3,1067503	3,009546667	-0,09720367	0,934843216	LOC100862491
17372777	3,905799	3,930296	3,77979	3,816686	3,785222	3,722454	3,8719617	3,774787333	-0,09717433	0,934862223	Olfr1026
17345519	8,067152	8,084011	8,139382	7,930847	8,163633	7,904636	8,0968483	7,999705333	-0,097143	0,934882528	Rrp36
17381300	6,55664	6,440455	6,085044	6,485429	5,993923	6,311368	6,360713	6,263573333	-0,09713967	0,934884688	---
17226622	8,721833	8,80937	8,811391	8,451525	8,803867	8,795898	8,7808647	8,683763333	-0,09710133	0,934909528	Cd55
17293717	4,398015	4,282811	4,147029	4,090704	4,297621	4,148258	4,2759517	4,178861	-0,09709067	0,934916441	1190003K10Rik
17215623	5,432685	5,020508	5,234841	5,172408	5,083533	5,141001	5,2293447	5,132314	-0,09703067	0,934955324	---
17306104	4,161349	4,471206	4,156964	4,367116	4,042032	4,089305	4,263173	4,166151	-0,097022	0,93496094	Ear11
17315397	7,194799	7,089145	7,194865	6,964039	7,208933	7,014781	7,159603	7,062584333	-0,09701867	0,9349631	Myg1
17450157	7,285115	7,429241	7,487364	7,369534	7,261253	7,279883	7,4005733	7,303556667	-0,09701667	0,934964397	Helq
17384559	4,462162	4,675738	4,675738	4,46483	4,400098	4,657688	4,604546	4,507538667	-0,09700733	0,934970445	Olfr341
17215101	6,75262	6,631665	6,823298	6,753714	6,562978	6,599875	6,735861	6,638855667	-0,09700533	0,934971741	Gm5258
17301086	5,511889	5,540199	5,506465	5,378522	5,307259	5,581768	5,5195177	5,422516333	-0,09700133	0,934974334	Sacs
17453535	6,180633	6,208248	6,456151	6,163811	6,059304	6,33099	6,2816773	6,184701667	-0,09697567	0,934990968	Vps37d
17265422	9,733524	9,884774	9,765045	9,576141	9,747364	9,768915	9,7944477	9,697473333	-0,09697433	0,934991832	C1qbp
17549378	5,746837	5,726778	5,763299	5,567813	5,791946	5,586246	5,745638	5,648668333	-0,09696967	0,934994856	---
17271692	6,71036	6,452486	6,950549	6,389535	6,654109	6,778888	6,704465	6,607510667	-0,09695433	0,935004794	---
17294899	6,025996	6,114778	5,996455	5,926564	5,779696	6,140117	6,045743	5,948792333	-0,09695067	0,93500717	Fam151b
17511293	5,617444	5,538256	5,811386	5,545151	5,706072	5,425094	5,6556953	5,558772333	-0,096923	0,935025101	Gm5741
17250852	5,975875	5,789722	5,742887	5,817312	5,781801	5,618623	5,8361613	5,739245333	-0,096916	0,935029638	B130011K05Rik
17548348	9,995983	10,28207	9,922934	9,787168	9,971342	10,15173	10,066996	9,97008	-0,09691567	0,935029854	Actg1 // Actg1
17322642	7,688614	7,698307	7,712414	7,482482	7,689621	7,636496	7,6997783	7,602866333	-0,096912	0,93503223	Ubn1
17304177	8,802834	8,783517	8,657636	8,61988	8,532025	8,801351	8,7479957	8,651085333	-0,09691033	0,93503331	D14Ertd449e
17453500	5,043925	4,663314	5,166858	4,92887	4,932109	4,722504	4,9580323	4,861161	-0,09687133	0,935058587	Wbscr25
17368387	10,19478	10,27438	10,38542	10,18177	10,25567	10,12655	10,28486	10,18799667	-0,09686333	0,935063772	---
17468959	10,80327	11,08007	10,84029	10,73577	10,74085	10,95643	10,907877	10,81101667	-0,09686	0,935065933	---
17373189	5,161635	5,440773	5,460826	5,300871	5,222703	5,249117	5,3544113	5,257563667	-0,09684767	0,935073926	Mybpc3
17207775	6,555961	6,745196	6,492001	6,688626	6,307189	6,506814	6,5977193	6,500876333	-0,096843	0,935076951	---
17288836	5,897744	5,427259	5,02563	6,103943	4,596515	5,359654	5,450211	5,353370667	-0,09684033	0,93507868	---
17208281	6,014461	6,784856	7,58497	7,193144	6,226346	6,674306	6,7947623	6,697932	-0,09683033	0,935085161	---
17288185	4,724278	4,252258	4,158442	4,391096	4,320177	4,133216	4,378326	4,281496333	-0,09682967	0,935085593	Olfr466
17233113	8,349186	8,329914	8,166998	8,005272	8,23015	8,320187	8,2820327	8,185203	-0,09682967	0,935085593	Hace1
17202807	6,984996	7,096492	6,511063	6,450953	7,031919	6,819194	6,8641837	6,767355333	-0,09682833	0,935086457	---
17280869	7,837008	7,976267	7,978536	7,786573	7,829094	7,885665	7,9306037	7,833777333	-0,09682633	0,935087754	Zfp277
17355228	5,100321	5,109785	5,429224	5,18531	5,159593	5,004011	5,21311	5,116304667	-0,09680533	0,935101365	Psmg2 // Psmg2
17293265	4,510081	4,239564	4,365207	4,224648	4,304068	4,295727	4,3716173	4,274814333	-0,096803	0,935102877	4932411G14Rik
17494677	4,753576	5,238906	4,872308	5,123154	4,81253	4,638716	4,95493	4,858133333	-0,09679667	0,935106982	Gm1966
17505453	8,371112	8,532393	8,475971	8,243848	8,423835	8,421479	8,4598253	8,363054	-0,09677133	0,935123403	Snord71
17401833	8,719931	8,679676	8,587385	8,544155	8,566459	8,586071	8,6623307	8,565561667	-0,096769	0,935124915	Slc25a24
17394446	7,250566	7,386669	7,445037	7,145249	7,308379	7,338398	7,3607573	7,264008667	-0,09674867	0,935138095	Zfp334
17524914	7,194293	7,304026	7,055884	6,956736	7,165976	7,14126	7,1847343	7,087990667	-0,09674367	0,935141336	Ecsit
17549248	4,771934	4,727086	4,915646	4,699897	4,835312	4,589264	4,8048887	4,708157667	-0,096731	0,935149546	---
17448168	3,31417	3,415513	3,530766	3,05821	3,489228	3,422859	3,4201497	3,323432333	-0,09671733	0,935158405	---
17405471	3,590249	3,853442	3,913107	3,586482	3,863739	3,616429	3,7855993	3,688883333	-0,096716	0,935159269	Gpr87
17421437	4,730092	4,534336	4,618383	4,565004	4,485078	4,542595	4,6276037	4,530892333	-0,09671133	0,935162294	Gm13247
17315395	10,18711	10,41209	10,18491	10,08397	10,24852	10,1615	10,26137	10,16466333	-0,09670667	0,935165319	---
17550747	3,611286	3,535915	3,484744	3,326241	3,433244	3,582385	3,5439817	3,44729	-0,09669167	0,935175042	---
17331514	3,42409	3,671165	3,36728	3,385432	3,52779	3,259306	3,4875117	3,390842667	-0,096669	0,935189735	---
17317208	9,067673	9,458889	9,063446	9,281636	9,000606	9,017777	9,1966693	9,100006333	-0,096663	0,935193625	---
17407669	8,890593	9,058118	8,869993	8,675566	9,020881	8,832368	8,939568	8,842938333	-0,09662967	0,935215232	Psmd4
17346503	5,050025	4,949233	5,358616	4,967781	5,209136	4,891083	5,1192913	5,022666667	-0,09662467	0,935218474	Tubb4a
17508688	5,507445	5,27154	5,114244	4,937737	5,403666	5,261958	5,297743	5,201120333	-0,09662267	0,93521977	2700090O03Rik
17448810	7,999653	9,829757	9,515414	10,24161	8,26063	8,552752	9,1149413	9,018330667	-0,09661067	0,935227549	---
17445381	8,298316	8,38453	8,137061	8,114184	8,192945	8,223004	8,2733023	8,176711	-0,09659133	0,935240082	Gtpbp10
17206027	5,124755	4,883276	5,001981	4,718247	4,760503	5,241523	5,0033373	4,906757667	-0,09657967	0,935247645	---
17267172	6,190954	5,900469	6,083705	5,94238	6,011196	5,931882	6,058376	5,961819333	-0,09655667	0,935262555	---
17418236	5,074824	5,042835	5,116251	4,790422	5,029963	5,123869	5,07797	4,981418	-0,096552	0,935265581	---
17433145	5,111274	5,215015	5,172127	4,981493	5,182394	5,044936	5,1661387	5,069607667	-0,096531	0,935279195	Rbp7
17502335	6,364805	6,111057	6,280451	6,124084	6,150321	6,192326	6,2521043	6,155577	-0,09652733	0,935281572	Zfp882
17324961	6,459405	6,40206	6,617481	6,296853	6,501596	6,390925	6,492982	6,396458	-0,096524	0,935283733	Rpl35a
17547994	4,475521	4,118232	4,313112	4,30517	4,075	4,237153	4,3022883	4,205774333	-0,096514	0,935290215	LOC100862171
17225179	8,329588	8,273058	8,410507	8,290005	8,331012	8,102596	8,3377177	8,241204333	-0,09651333	0,935290648	Pde6d
17543045	9,061098	9,096775	9,11189	8,935827	9,048347	8,99606	9,089921	8,993411333	-0,09650967	0,935293025	Gyk
17456868	4,585906	4,402601	4,514977	4,491787	4,561798	4,16039	4,5011613	4,404658333	-0,096503	0,935297347	Cpa2
17484565	3,887089	3,94633	3,740396	3,685458	4,028775	3,570083	3,8579383	3,761438667	-0,09649967	0,935299508	Olfr46
17471107	5,748518	5,747667	5,852058	5,555376	5,711221	5,792162	5,7827477	5,686253	-0,09649467	0,935302749	Plekhg6
17407501	4,300248	4,043863	4,427468	4,169651	4,13776	4,174756	4,257193	4,160722333	-0,09647067	0,935318309	Lce1m
17504413	5,505248	5,499853	5,568762	5,352057	5,442895	5,489605	5,524621	5,428185667	-0,09643533	0,935341216	Bean1
17249811	7,572884	7,281384	7,510042	7,333106	7,340052	7,401863	7,45477	7,358340333	-0,09642967	0,93534489	Slc36a1
17447145	8,296734	8,198143	8,146467	8,044671	8,123245	8,184156	8,2137813	8,117357333	-0,096424	0,935348564	---
17354728	4,359118	3,673757	4,052345	3,664227	4,073092	4,058669	4,0284067	3,931996	-0,09641067	0,935357208	---
17521648	5,159005	4,760853	5,044669	4,835474	4,896237	4,943599	4,9881757	4,89177	-0,09640567	0,93536045	Bsn // Bsn
17444150	3,018263	3,079603	2,904868	2,841701	2,972787	2,899072	3,0009113	2,90452	-0,09639133	0,935369743	---
17278128	4,693974	4,861814	4,798064	4,599391	4,597563	4,867751	4,7846173	4,688235	-0,09638233	0,935375578	Unc79
17530669	8,121555	8,166411	8,055252	7,993842	8,103077	7,957154	8,114406	8,018024333	-0,09638167	0,93537601	Acy1
17390665	5,048303	4,884472	5,114878	5,038378	4,695897	5,024263	5,0158843	4,919512667	-0,09637167	0,935382494	---
17202819	7,63871	7,428949	7,632693	7,343174	7,428822	7,639303	7,566784	7,470433	-0,096351	0,935395893	---
17509752	6,588039	6,524265	6,493993	6,554763	6,444063	6,318446	6,5354323	6,439090667	-0,09634167	0,93540945	---
17302970	6,203763	6,0591	5,795711	5,933022	5,841242	5,995317	6,0195247	5,923193667	-0,096331	0,935408861	---
17285242	5,610283	5,749449	6,410615	5,794016	5,798444	5,88891	5,923449	5,827123333	-0,09632567	0,93541219	---
17203751	4,067621	4,940446	4,399314	4,390404	3,823756	4,904306	4,469127	4,372822	-0,096305	0,935425719	---
17540027	11,94582	11,9281	11,91504	11,85318	11,83797	11,80895	11,9296553	11,83336667	-0,09628667	0,935437606	Gm15453 // Rbm3
17367895	9,930978	9,866465	10,22163	10,23132	9,513058	9,985869	10,006358	9,910082333	-0,09627533	0,935444954	---
17438649	3,947354	3,861997	3,889484	4,063813	3,694365	3,651848	3,8996117	3,803342	-0,09626967	0,935448629	Csn1s2a
17465711	6,409633	6,497419	6,660106	6,262351	6,746122	6,269882	6,522386	6,426118333	-0,09626767	0,935449925	Akr1b3
17375387	3,703195	3,605783	3,93033	3,632165	3,632111	3,686239	3,746436	3,650171667	-0,09626433	0,935452087	4933406J08Rik
17208661	6,617261	6,370507	6,53028	6,529783	6,100534	6,599014	6,506016	6,409777	-0,096239	0,935468513	---
17299027	5,763322	5,73997	6,58097	6,071079	5,93898	5,785498	6,0280873	5,931852333	-0,096235	0,935471107	Gm2959
17534335	6,954484	7,103793	7,47574	7,113012	7,099011	7,033322	7,1780057	7,081781667	-0,096224	0,93547824	Mir3110 // Mir3110
17283624	7,639946	8,020351	8,025359	7,85567	7,848865	7,692472	7,8952187	7,799002333	-0,09621633	0,935483211	Serpina1a
17252800	8,231767	8,081845	7,926269	7,984987	7,90856	8,057711	8,0799603	7,983752667	-0,09620767	0,935488831	Mettl16
17397783	9,980647	10,05548	10,00717	9,896071	9,865805	9,992802	10,014432	9,918226	-0,09620633	0,935489695	Eif2a
17236490	5,763617	5,430723	5,877303	5,51249	5,539138	5,731414	5,6905477	5,594347333	-0,09620033	0,935493586	Tmpo
17269218	6,348133	6,220388	6,491668	6,428975	6,148983	6,193632	6,3533963	6,257196667	-0,09619967	0,935494018	---
17224942	4,531975	4,72342	4,749849	4,683238	4,496251	4,537188	4,6684147	4,572225667	-0,096189	0,935500935	Slc19a3
17277863	5,44875	5,349958	5,327437	5,26703	5,212459	5,358115	5,3753817	5,279201333	-0,09618033	0,935506555	---
17258155	5,685908	5,773568	5,759331	5,596465	5,709909	5,623907	5,7396023	5,643427	-0,09617533	0,935509797	Otop2
17441726	5,455053	5,41793	5,636256	5,303027	5,640446	5,277298	5,5030797	5,406923667	-0,096156	0,935522333	Rasal1
17265365	6,004547	5,77799	6,099054	5,661522	5,896863	6,034774	5,9605303	5,864386333	-0,096144	0,935530115	Inca1
17227261	5,202811	4,818497	5,34564	5,107059	4,93614	5,035355	5,122316	5,026184667	-0,09613133	0,935538329	Gpr37l1
17431350	7,867413	8,096733	8,184722	7,929834	8,042682	7,887984	8,0496227	7,9535	-0,09612267	0,935543949	Ldlrap1
17443342	5,154787	4,705558	5,213819	5,161465	4,971164	4,653169	5,0247213	4,928599333	-0,096122	0,935544381	Hspb1
17269006	4,712792	4,692463	4,768053	4,853039	4,48095	4,550992	4,724436	4,628327	-0,096109	0,935552811	Krt24

17467106	3,116182	3,093015	2,873337	2,833444	3,218497	2,742323	3,0275113	2,931421333	-0,09609	0,935565132	---	
17296466	5,95031	5,721288	6,356945	5,823433	6,04168	5,875209	6,0095143	5,913440667	-0,09607367	0,935575724	Emb	// Emb
17471936	4,637373	4,809312	4,970972	4,63372	4,831572	4,664144	4,8058857	4,709812	-0,09607367	0,935575724	Prpmp5	
17207895	7,447283	7,526393	7,279285	7,387077	7,269333	7,308377	7,4176537	7,321595667	-0,096058	0,935585884	---	
17461581	4,38676	4,197786	4,525893	4,260322	4,220798	4,34123	4,3701463	4,274116667	-0,09602967	0,935604258	Cpne9	
17273804	9,508381	9,721701	9,564316	9,41794	9,291143	9,797242	9,9581327	9,502108333	-0,09602433	0,935607717	Gm6682	
17206735	5,094318	5,6158	5,77211	5,292355	5,501872	5,399946	5,494076	5,398057667	-0,09601833	0,935611608	---	
17250507	5,618745	5,122331	5,490139	5,466913	5,06506	5,411189	5,410405	5,314387333	-0,09601767	0,935612041	Mir5100	
17315219	5,579164	5,452583	5,983559	5,391338	5,560062	5,775867	5,6717687	5,575755667	-0,096013	0,935615067	1700011A15Rik	
17299589	5,922854	5,716631	5,924267	5,790895	6,011691	5,473202	5,854584	5,758596	-0,095988	0,93563128	Ear5	
17509997	7,911566	8,080522	8,136279	7,920865	7,923114	7,996471	8,042789	7,946816667	-0,09597233	0,935641441	Ddx49	
17547567	7,739776	7,886334	7,88564	7,679753	7,770533	7,773552	7,83725	7,741279333	-0,09597067	0,935642521	---	
17549936	3,559355	3,453524	3,44084	3,303816	3,494795	3,367236	3,484573	3,388615667	-0,09595733	0,935651169	---	
17234861	3,435204	3,528868	3,389981	3,419291	3,367316	3,279591	3,451351	3,355399333	-0,09595167	0,935654844	Olfr57	
17496615	7,241476	7,372186	7,302998	7,154531	7,310316	7,163978	7,3055533	7,209608333	-0,095945	0,935659167	Tbc1d10b	
17517888	6,046102	5,855963	5,932569	5,859939	5,665946	6,020942	5,944878	5,848942333	-0,09593567	0,935665221	Stoml1	
17516231	3,936698	4,07887	4,102879	4,10384	3,842591	3,884235	4,0394823	3,943555333	-0,095927	0,935670841	Olfr923	
17275255	4,327216	4,42711	4,253303	4,37651	4,001142	4,342224	4,3358763	4,239958667	-0,09591767	0,935676895	Nrcam	
17545817	3,270741	3,13748	3,490139	3,235622	3,20717	3,167825	3,2994533	3,203539	-0,09591433	0,935679056	---	
17468075	9,029156	9,129132	9,24312	9,133016	8,929411	9,051242	9,1338027	9,037889667	-0,095913	0,935679921	Htra2	
17266728	3,693142	3,70449	4,015566	3,632957	3,785254	3,707252	3,8043993	3,708487667	-0,09591167	0,935680786	---	
17503800	4,956799	4,799585	5,006333	4,725055	4,991074	4,758868	4,9209057	4,824999	-0,09590667	0,935684029	Irx3	
17451443	9,378587	9,595667	9,543488	9,451666	9,327713	9,450675	9,505914	9,410018	-0,095896	0,935690947	Coro1c	
17492495	7,061447	7,234808	7,495334	7,18712	7,201416	7,115389	7,263863	7,167975	-0,095888	0,935696135	Cib1	
17323064	6,751106	8,135707	7,486733	7,736794	7,573962	6,775134	7,4578487	7,361963333	-0,09588533	0,935697865	---	
17443890	3,574349	3,689483	3,623299	3,403742	3,687537	3,508229	3,6290437	3,533169333	-0,09587433	0,935704999	Zfp68	// Zfp68
17317688	5,987135	5,716725	6,017163	5,588298	5,962746	5,882378	5,9070077	5,811140667	-0,095867	0,935709756	Zfat	
17377028	6,802936	6,668084	6,511161	6,525462	6,718848	6,450308	6,660727	6,564872667	-0,09585433	0,935717971	B430406I07Rik	
17411966	4,112126	3,951576	3,998025	3,984766	3,951876	3,837609	4,0205757	3,924750333	-0,09582533	0,93573678	Calb1	
17426348	5,318188	5,27036	5,172909	4,9328	5,313437	5,227798	5,253819	5,158011667	-0,09580733	0,935748455	Tnfsf15	
17333703	3,853281	3,743808	3,892076	3,646538	3,825838	3,729466	3,8297217	3,733947333	-0,09577433	0,93576986	---	
17365656	2,896021	3,023578	2,950204	2,868883	2,778994	2,934609	2,956601	2,860828667	-0,09577233	0,935771157	---	
17240670	5,667415	6,216891	5,875887	5,742152	5,988572	5,742155	5,9200643	5,824293	-0,09577133	0,935771806	Lin28b	
17340967	8,626369	8,444352	8,625278	8,595776	8,380882	8,432041	8,565333	8,469566333	-0,09576667	0,935774833	Acat2	
17363374	9,638854	9,549743	9,411321	9,382086	9,553502	9,377035	9,533306	9,437541	-0,095765	0,935775914	Ostf1	
17205763	4,380401	4,514112	4,358439	4,076158	4,655364	4,23414	4,4176507	4,321887333	-0,09576333	0,935776995	---	
17418447	7,311995	7,393984	7,263581	7,081759	7,248979	7,351579	7,3231867	7,227439	-0,09574767	0,935787157	Meaf6	
17349421	3,816802	3,632952	3,940481	3,702703	3,895594	3,504735	3,796745	3,701010667	-0,09573433	0,935795805	---	
17450117	6,803926	6,70507	6,75344	6,684952	6,611981	6,678317	6,7541453	6,658416667	-0,09572867	0,935799481	---	
17549132	3,882515	3,880947	4,070607	3,701654	3,877391	3,967917	3,9446897	3,848987333	-0,09570233	0,935816562	---	
17208455	3,474404	3,7299	3,41525	3,902361	3,184609	3,245486	3,5398513	3,444152	-0,09569933	0,935818508	---	
17348638	5,758152	6,063681	5,831086	5,767983	5,810475	5,787401	5,8843063	5,788619667	-0,09568667	0,935826724	Psma8	
17218942	4,967437	5,052492	4,947145	5,015125	4,776503	4,888401	4,9890247	4,893343	-0,09568167	0,935829968	Gpr161	
17516194	8,811708	9,061407	8,391029	8,576777	8,731615	8,66874	8,7547147	8,659044	-0,09567067	0,935837103	Vwa5a	// Vwa5a
17286318	3,270435	3,278466	3,287882	2,997038	3,136406	3,416381	3,2789277	3,183275	-0,09565267	0,935848779	---	
17546997	3,228256	3,879576	3,563027	3,247295	3,780819	3,355802	3,556953	3,461305333	-0,09564767	0,935852023	LOC100039753	
17201139	7,902915	8,539249	8,464035	8,111285	8,072588	8,435458	8,3020663	8,206443667	-0,09562267	0,93586824	---	
17269146	3,848664	3,579674	3,636703	3,814506	3,37993	3,583752	3,688347	3,592729333	-0,09561767	0,935871483	Krtap1-3	
17499310	10,11439	10,28325	10,24607	10,05548	10,14231	10,15912	10,21457	10,11897	-0,0956	0,935882944	Tfdp1	
17501508	6,599073	6,545976	6,566901	6,438603	6,470517	6,516062	6,57065	6,475060667	-0,09558933	0,935889863	Tmem192	
17501214	3,474993	4,026551	3,9418	3,609703	3,897973	3,648977	3,814448	3,718884333	-0,09556367	0,935906514	LOC100862211	
17220771	5,474385	5,722803	5,805388	5,347659	5,507413	5,860892	5,6675253	5,571988	-0,09553733	0,935923597	1700022P22Rik	
17202801	6,110714	5,955887	5,310339	5,941149	5,228703	5,920538	5,7923133	5,696796667	-0,09551667	0,935937004	---	
17250341	6,259763	6,528687	6,36447	6,421409	5,840163	6,604824	6,3843067	6,288798667	-0,095508	0,935942626	Tom1l2	// Tom1l2
17405005	8,021869	7,970242	7,918958	7,7609	7,863876	7,999812	7,9703563	7,874862667	-0,09549367	0,935951925	Pgrmc2	
17322874	7,159615	7,034534	6,968874	6,930286	6,894916	7,051343	7,054341	6,958848333	-0,09549267	0,935952574	Clec16a	
17504715	9,199194	9,175079	9,269958	9,13687	9,059956	9,160986	9,2147437	9,119270667	-0,095473	0,935965333	E2f4	
17511453	8,066236	8,122251	7,814402	7,929475	7,885631	7,901399	8,000963	7,905501667	-0,09546133	0,935972902	N4bp1	
17309061	6,186938	5,576332	5,693224	5,412893	6,031566	5,725681	5,8188313	5,72338	-0,09545133	0,935979389	---	
17459370	3,295818	3,226818	3,439753	3,221864	3,221864	3,232347	3,3207963	3,225358333	-0,095438	0,93598804	---	
17403829	5,738823	5,487343	5,729623	5,737107	5,53138	5,401008	5,6519297	5,556498333	-0,09543133	0,935992365	Negr1	
17550791	3,404853	3,630394	3,760267	3,601175	3,346551	3,561506	3,5985047	3,503077333	-0,09542733	0,93599496	---	
17411135	4,313868	4,492134	4,239349	4,23667	4,305557	4,216882	4,3484503	4,253036333	-0,095414	0,936003611	---	
17262255	4,204806	3,931166	4,189004	3,984876	3,937797	4,116068	4,1083253	4,012913667	-0,09541167	0,936005124	Olfr1396	
17217771	7,887205	7,612444	7,517134	7,667725	7,541835	7,520989	7,672261	7,576849667	-0,09541133	0,936005341	Gm3878	
17551121	9,172593	9,374431	9,292411	9,072861	8,964464	9,515923	9,2798117	9,184416	-0,09539567	0,936015505	---	
17459696	4,782769	4,792278	4,683331	4,442253	4,907047	4,622896	4,7527927	4,657398667	-0,095394	0,936016586	Gm15401	
17280125	7,216196	7,436198	7,063216	7,073562	7,278737	7,077168	7,2385367	7,143155667	-0,095381	0,936025021	Pqlc3	
17254395	8,48065	8,515303	8,242045	8,354405	8,192738	8,404739	8,412666	8,317294	-0,095372	0,93603086	Acaca	
17539844	4,385238	3,996642	3,942207	3,893604	4,023741	4,120663	4,108029	4,012669333	-0,09535967	0,936038862	Ppp1r3f	
17427585	10,24996	10,36442	10,27615	10,23468	10,18715	10,18275	10,296843	10,20152667	-0,09531667	0,936066761	Jak1	
17248501	3,509851	3,708174	3,354932	3,697869	3,302667	3,286529	3,524319	3,429021667	-0,09529733	0,936079306	---	
17408001	6,57213	6,519241	6,861372	6,617043	6,576118	6,47369	6,6509143	6,555617	-0,09529733	0,936079306	Bola1	
17547499	5,347476	5,14965	5,315642	5,099104	5,313433	5,114543	5,2709227	5,175693333	-0,09522933	0,936123428	Adamts14	// Adamts14
17453617	7,676279	7,808321	8,004766	7,755765	7,846607	7,601314	7,8297887	7,734562	-0,09522667	0,936125158	Tmem120a	
17466507	9,800358	9,811487	9,8258	9,761644	9,657606	9,732738	9,8125483	9,717329333	-0,095219	0,936130133	Ezh2	
17328062	7,515265	7,614736	7,612151	7,644868	7,447002	7,364625	7,5807173	7,485498333	-0,095219	0,936130133	Emp2	
17405130	5,863275	5,539793	5,50423	5,479149	5,627632	5,514872	5,635766	5,540551	-0,095215	0,936132728	Gm9442	
17259516	9,018732	9,304374	9,24402	9,037148	9,310618	8,933777	9,189042	9,093847667	-0,09519433	0,936146139	---	
17204989	4,809381	4,304466	5,373744	5,521767	3,430097	5,250229	4,829197	4,734031	-0,095166	0,936164524	---	
17316700	10,31056	10,43326	10,22165	10,18223	10,19542	10,30235	10,321823	10,22666667	-0,09515667	0,93617058	Azin1	
17381509	4,559725	4,905061	4,681795	4,493514	4,714763	4,652839	4,715527	4,620372	-0,095155	0,936171662	5031426D15Rik	
17312800	6,74697	6,688079	6,843199	6,714283	6,673143	6,605368	6,759416	6,664264667	-0,09515133	0,936174041	Sh3bp1	
17276254	9,805318	9,771125	9,886236	9,674231	9,677757	9,825294	9,820893	9,725760667	-0,09513233	0,93618637	---	
17233811	7,965261	8,087436	8,043789	7,896141	7,941318	7,973673	8,032162	7,937044	-0,095118	0,936195672	Dna2	
17217602	6,001779	5,690977	5,944035	5,712253	5,662423	5,976775	5,8789303	5,783817	-0,09511333	0,9361987	Nav1	
17444938	6,447055	6,045354	6,168749	6,01817	6,028224	6,329429	6,220386	6,125274333	-0,09511167	0,936199781	---	
17534669	3,874984	3,872528	4,048429	3,86138	3,947762	3,701471	3,9319803	3,836871	-0,09510933	0,936201296	---	
17203687	5,07078	5,115364	5,80105	4,643438	4,935778	6,122671	5,3290647	5,233962333	-0,09510233	0,936205838	---	
17349402	5,569756	5,981376	5,626207	5,580748	5,54984	5,761478	5,7257797	5,630688667	-0,095091	0,936213193	Pkd2l2	
17549410	7,527542	7,777559	7,82199	7,65314	7,559253	7,629436	7,7090303	7,613943	-0,09508733	0,936215572	---	
17549788	7,527542	7,777559	7,82199	7,65314	7,559253	7,629436	7,7090303	7,613943	-0,09508733	0,936215572	---	
17216172	3,448042	3,252936	3,281023	3,071886	3,453524	3,171398	3,3273337	3,232269333	-0,09506433	0,936230498	Gm7133	
17481958	3,67986	4,121428	3,992738	3,478253	4,2884	3,742199	3,931342	3,836284	-0,095058	0,936234608	---	
17212888	9,070198	9,078876	8,816658	8,894971	8,80477	8,980828	8,9885773	8,893523	-0,09505433	0,936236987	Mob4	
17548755	3,202303	3,296627	3,255241	3,243584	3,098588	3,126871	3,2513903	3,156347667	-0,09504267	0,936244558	Gm20265	
17259512	8,987093	9,215143	9,173909	8,961759	9,092926	9,036385	9,1253817	9,030356667	-0,095025	0,936256023	Gps1	
17463106	5,772542	5,856206	5,831117	5,932688	5,669261	5,573014	5,819955	5,724987667	-0,09496733	0,936293448	---	
17229520	8,479468	8,62317	8,478107	8,51638	8,3384	8,441122	8,526915	8,431967333	-0,09494767	0,936306211	Uhmk1	
17522726	5,052704	4,835831	4,786562	4,715562	5,035975	4,638782	4,891699	4,796773	-0,094926	0,936320273	Bcl2a1c	
17508846	5,610039	4,907903	5,333066	5,383618	4,990398	5,192266	5,2836693	5,188760667	-0,09490867	0,936331522	Mir383	
17407492	2,789692	3,113581	2,884402	2,828019	2,897045	2,777929	2,929225	2,834331	-0,094894	0,936341041	---	
17414554	8,030458	8,147	8,060699	8,025385	8,010957	7,917183	8,0793857	7,984508333	-0,09487733	0,936351858	Prpf4	
17336559	6,882349	6,7726	6,885963	6,834107	6,629746	6,792432	6,8469707	6,752095	-0,09487567	0,93635294	Notch4	
17506332	7,729764	7,828804	7,649044	7,827408	7,467974	7,627611	7,7358707	7,640997667	-0,094873	0,936354671	Banp	
17507435	7,137932	7,173891	7,038397	6,941284	7,056534	7,067802	7,11674	7,021873333	-0,09486667	0,936358781	Rab20	
17469274	5,2757	5,074933	4,977425	4,841725	5,011445	5,190288	5,1093527	5,014486	-0,09486667	0,936358781	1700123L14Rik	
17332473	6,45985	6,308604	6,649932	6,487184	6,556428	6,090197	6,4727953	6,377936333	-0,094859	0,936363757	Itgb2l	
17404077	4,320177	4,691273	3,849075	4,02531	4,167076	4,383564	4,2868417	4,191983333	-0,09485833	0,93636419	Pmp2	
17354233	8,434999	8,587047	8,27742	8,484653	8,249057	8,281225	8,4331553	8,338311667	-0,09484367	0,936373709	Pggt1b	
17488343	5,295577	5,248446	5,261242	5,139171	5,307077	5,074541	5,2684217	5,173596333	-0,09482533	0,936385609	Gm4636	
17202851	3,311559	2,990185	3,236137	3,619172	2,934358	2,699908	3,1792937	3,084479333	-0,09481433	0,936392748	---	
17543829	9,225535	9,362152	9,251927	9,127359	9,234797	9,192869	9,2798097	9,185008333	-0,09480133	0,936401186	Rlim	
17548462	5,298708	5,256791	5,402804	5,083828	5,293398	5,296673	5,3194343	5,224633	-0,09480133	0,936401186	D130050E23Rik	
17551079	9,025648	9,248545	9,070682	9,042459	9,021359	8,996799	9,1149583	9,020205667	-0,09475267	0,936432774	---	
17457308	4,135893	3,865559	3,982055	3,823158	3,806723	4,06938	3,9945023	3,899753667	-0,09474867	0,936435371	---	
17528581	6,015024	6,048914	6,329539	6,020832	6,04155	6,046958	6,131159	6,036446667	-0,09471233	0,936458954	---	
17305116	9,409772	9,150725	9,061353	9,003386	9,150258	9,184079	9,2072833	9,112574333	-0,094709	0,936461118	Gcap14	
17525296	4,849145	4,65438	4,949421	4,61468	4,817447	4,736694	4,8176487	4,722940333	-0,09470833	0,936461551	Barx2	
17349956	4,991634	4,631123	4,890827	4,785854	4,679766	4,763852	4,8378613	4,743157333	-0,094704	0,936464364	---	
17479668	7,591341	7,864309	7,223403	7,47886	7,393427	7,522683	7,5596843	7,46499	-0,09469433	0,936470638	Pde8a	
17278339	4,716499	4,727843	4,494123	4,427265	4,701943	4,525182	4,646155	4,551463333	-0,09469167	0,936472369	6230426M11Rik	
17515839	4,118468	4,201869	4,195629	4,314494	3,982712	3,934725	4,1719887	4,077310333	-0,09467833	0,936481024	7630403G23Rik	// 7630403G23Rik
17226142	6,607736	6,492184	6,384089	6,34836	6,58548	6,266198	6,4946697	6,400012667	-0,094657	0,936494872	Dsel	
17527982	7,194732	6,883293	6,86487	6,805789	7,112928	6,740207	6,980965	6,886308	-0,094657	0,936494872	Mir5133	
17514653	3,794449	3,639315	3,860252	3,660837	3,589509	3,759762	3,764672	3,670036	-0,094636	0,936508504	---	
17396345	4,515098	4,624698	4,674119	4,453066	4,487172	4,589794	4,6046383	4,510010667	-0,09462767	0,936513913	---	
17342595	7,540588	7,446662	7,519612	7,459178	7,352168	7,411666	7,5022873	7,407670667	-0,09461667	0,936521054	Nme4	
17477191	5,552378	5,182704	5,813377	5,14117	5,571969	5,551471	5,516153	5,421536667	-0,09461633	0,93652127	Klk13	
17312312	5,095644	5,04976	5,385947	5,024366	5,14914	5,074021	5,177117	5,082509	-0,094608	0,93652668	Mapk15	
17339289	5,037324	5,172261	5,162093	4,896334	5,185222	5,006327	5,1238927	5,029294333	-0,09459833	0,936532955	L3mbtl4	
17473248	5,94344	5,595779	5,913374	5,718594	5,545763	5,904457	5,817531	5,722938	-0,094593	0,936536417	Ttyh1	
17505788	3,891679	3,566506	4,231544	3,637201	4,161703	3,607053	3,8965763	3,801985667	-0,09459067	0,936537932	---	
17438742	3,599809	3,501081	3,621291	3,592963	3,494154	3,351327	3,5740603	3,479481333	-0,094579	0,936545506	Prol1	

17234948	7,160659	7,159151	7,46487	6,940297	7,38743	7,173258	7,26156	7,166995	-0,094565	0,936554594	Fgf22	
17275678	5,029601	4,84814	4,948851	4,69598	5,09093	4,756038	4,9421973	4,847649333	-0,094548	0,93656563	Sstr1	
17490481	6,148353	6,366714	6,213194	6,027231	6,242662	6,174778	6,2427537	6,148223667	-0,09453	0,936577315	Cpt1c	
17494303	4,768106	4,570214	4,574343	4,574343	4,521892	4,532859	4,6375543	4,543031333	-0,094523	0,936581859	Ubqlnl	
17314888	10,10024	10,0017	10,16598	10,02624	9,925934	10,03219	10,089307	9,994788	-0,09451867	0,936584673	Gpd1	
17220776	6,997557	7,162172	7,059124	7,010769	6,946194	6,978341	7,072951	6,978434667	-0,09451633	0,936586187	Nsl1	
17300058	5,920747	6,37912	6,524488	6,384813	6,2142	5,941832	6,274785	6,180281667	-0,09450333	0,936594627	---	
17250665	6,918715	6,97767	7,106446	6,963886	6,823728	6,931722	7,0009437	6,906445333	-0,09449833	0,936597873	Ttc19	
17348684	4,200871	3,965637	4,245988	4,047505	4,136278	3,945221	4,1374987	4,043001333	-0,09449733	0,936598522	D830029L11	
17508609	6,218953	6,272156	6,285337	6,194416	6,157996	6,140593	6,2588153	6,164335	-0,09448033	0,936609559	Nrg1	
17205671	4,480155	4,454907	3,943211	3,920899	4,668915	4,00514	4,2927577	4,198318	-0,09443967	0,93663596	---	
17401610	9,041848	9,342529	9,366017	9,097332	9,344827	9,024934	9,2501313	9,155697667	-0,09443367	0,936639855	Gstm5	
17516178	3,636356	3,320822	3,220661	3,403374	3,280303	3,210903	3,392613	3,298193333	-0,09441967	0,936648945	---	
17427709	3,805638	3,918477	3,774208	3,814306	3,568044	3,832776	3,8327743	3,738375333	-0,094399	0,936662362	4921539E11Rik	
17475942	6,891982	6,911733	6,679663	6,649029	6,8062	6,74503	6,8277927	6,733419667	-0,094373	0,936679243	Rinl	
17446028	3,337681	2,992948	3,41123	3,122776	3,180777	3,1552	3,2472863	3,152917667	-0,09436867	0,936682056	---	
17499028	8,133375	8,157802	8,019474	7,944422	8,037329	8,045813	8,1035503	8,009188	-0,09436233	0,936686168	Ing1	
17543920	4,337099	4,201025	4,457363	4,0482	4,330101	4,334123	4,331829	4,237474667	-0,09435433	0,936691362	5330434G04Rik	
17306859	10,46885	10,2917	10,80058	10,62299	10,2766	10,3785	10,520377	10,42603	-0,09434667	0,93669634	---	
17360462	11,11388	11,21305	11,15798	11,11987	10,92591	11,15618	11,161637	11,06732	-0,09431667	0,936715818	Acsl5	
17429177	8,906956	9,012963	8,933233	8,886021	8,842074	8,842117	8,9510507	8,856737333	-0,09431333	0,936717983	Cdc20	
17339902	3,865152	3,999668	4,369714	4,185173	3,708216	4,058237	4,078178	3,983875333	-0,09430267	0,936724908	Fam82a1	
17405047	4,254422	4,417622	4,273098	4,220043	4,231462	4,210737	4,3150473	4,220747333	-0,0943	0,93672664	2610316D01Rik	
17481207	3,490219	3,398884	3,370052	3,339254	3,303579	3,333494	3,4197183	3,325442333	-0,094276	0,936742223	Olfr608	
17489977	4,731606	4,575846	4,180842	4,144323	4,605409	4,45576	4,496098	4,401830667	-0,09426733	0,93674785	Zfp939 // Zfp939	
17410615	3,817682	3,936963	3,883105	3,586906	3,985289	3,782808	3,87925	3,785001	-0,094249	0,936759754	Dnajb14 // Dnajb14	
17516997	8,165282	8,418488	7,334989	8,039221	7,76563	7,831254	7,9729197	7,878701667	-0,094218	0,936779883	Gm5617	
17344978	4,652506	4,718172	4,74811	4,504581	4,523012	4,808561	4,7062627	4,612051333	-0,09421133	0,936784212	9130008F23Rik	
17430799	7,19431	7,245224	6,989383	7,05169	7,007075	7,092677	7,1446793	7,050480667	-0,09419867	0,936792437	Tmau1ap	
17373837	5,048352	4,932008	4,552257	4,74478	4,637446	4,86781	4,8442057	4,750012	-0,09419367	0,936795683	D430041D05Rik	
17534330	7,757623	7,719851	7,734454	7,613854	7,646515	7,668994	7,7373093	7,643121	-0,09418833	0,936799147	Zbtb33	
17291081	3,747808	3,270892	3,499125	3,432021	3,459018	3,344228	3,5059417	3,411755667	-0,094186	0,936800662	Vmn1r205	
17291461	3,950258	3,674666	3,89888	3,589414	3,754531	3,897317	3,841268	3,747087333	-0,09418067	0,936804125	Prl7b1	
17296615	4,736903	4,119394	3,971486	4,150402	4,165556	4,229297	4,2759277	4,181751667	-0,094176	0,936807155	---	
17306785	9,494887	9,873351	9,70696	9,689942	9,588354	9,51442	9,6917327	9,597572	-0,09416067	0,936817112	Nedd8	
17407643	6,137493	5,817131	5,966149	5,924237	5,878366	5,835758	5,973591	5,879453667	-0,09413733	0,936832263	Rfx5 // Rfx5	
17484771	6,019162	6,30799	6,211345	5,981071	6,01035	6,264685	6,179499	6,085368667	-0,09413033	0,936836809	Lrrc56	
17462985	3,179941	3,381325	3,376092	2,915873	3,555437	3,183763	3,3124527	3,218357667	-0,094095	0,936859754	---	
17322352	6,771859	7,200382	6,930331	6,872401	7,030849	6,717068	6,967524	6,873439333	-0,09408467	0,936866464	Copz1 // Copz1	
17234917	6,0356	5,836352	6,096109	6,004857	5,760272	5,920689	5,9893537	5,895272667	-0,094081	0,936868845	Gzmm	
17232426	8,546142	8,737297	8,340226	8,316785	8,51371	8,510933	8,5412217	8,447142667	-0,094079	0,936870144	Echdc1	
17527032	8,055834	8,024872	7,961104	7,833124	7,918933	8,007526	8,0139367	7,919861	-0,09407567	0,936872308	Ddx10	
17240323	7,072089	6,895246	6,947949	6,768742	6,856729	7,007608	6,9717613	6,877693	-0,09406833	0,936877071	AI317395	
17549626	6,105915	5,901434	6,1272	5,840653	6,132296	5,879414	6,0448497	5,950787667	-0,094062	0,936881183	---	
17238424	10,49599	10,50852	10,42333	10,36076	10,38818	10,39676	10,475947	10,3819	-0,09404667	0,936891141	Cnpy2	
17507668	6,387243	6,363422	6,592223	6,081131	6,569035	6,410629	6,4476293	6,353598333	-0,094031	0,936901315	2410022L05Rik	
17439517	4,956452	4,628361	4,577967	4,686102	4,578868	4,615746	4,7209267	4,626905333	-0,09402133	0,936907593	Fgf5	
17453513	8,430227	8,396618	8,458832	8,226365	8,38443	8,392847	8,428559	8,334547333	-0,09401167	0,93691387	Wbscr22	
17419418	6,783739	6,431734	6,607631	6,49055	6,807739	6,242819	6,6077013	6,513702667	-0,09399867	0,936922313	---	
17211280	8,23629	8,204277	8,179316	8,048029	8,158298	8,131589	8,2066277	8,112638667	-0,093989	0,936928591	Tmem70	
17412121	3,240969	2,886099	3,053609	3,121495	2,970037	2,807286	3,0602257	2,966272667	-0,093953	0,93695197	---	
17387407	8,219488	8,189109	8,283509	8,221253	8,149358	8,039645	8,230702	8,136752	-0,09395	0,936953919	Tfpi	
17264792	6,93814	7,377516	7,228421	7,206795	6,94276	7,112687	7,181359	7,087414	-0,093945	0,936957166	Atp1b2	
17444930	6,604768	6,620656	6,636316	6,481176	6,506804	6,591953	6,62058	6,526644333	-0,09393567	0,936963227	---	
17528418	7,762163	7,701207	7,7194	7,522052	7,689404	7,689508	7,72759	7,633654667	-0,09393533	0,936963444	Lactb	
17319753	6,261994	5,827255	6,013821	6,06237	5,925405	5,833496	6,0343567	5,940423667	-0,093933	0,936964959	---	
17536003	3,730424	3,328604	3,027031	3,223606	3,101224	3,479435	3,3620197	3,268088333	-0,09393133	0,936966042	---	
17469360	5,066304	5,007442	4,842162	4,70975	4,939714	4,984682	4,9719693	4,878048667	-0,09392067	0,936972969	Lmod3	
17520604	4,689204	4,606706	4,628071	4,485506	4,623408	4,533319	4,641327	4,547411	-0,093916	0,936976	Trim42 // Trim42	
17212792	8,395443	8,48851	8,204151	8,383917	8,195567	8,226918	8,3627013	8,268800667	-0,09390067	0,936985959	Hibch	
17344216	5,8961	5,727192	5,634355	5,479971	6,022923	5,473085	5,752549	5,658659667	-0,09388933	0,936993319	Ly6g5b	
17206903	6,444568	5,722141	5,175424	5,461566	6,218759	5,380147	5,780711	5,686824	-0,093887	0,936994835	---	
17417926	6,972923	7,132064	6,928083	6,939355	6,911204	6,900896	7,0110233	6,917151667	-0,09387167	0,937004793	Foxj3	
17546367	3,560801	4,460627	3,979901	3,725017	4,409119	3,585593	4,000443	3,906576333	-0,09386667	0,937008041	Rbmy1a1	
17473622	3,466228	3,396335	3,531504	3,367275	3,363955	3,381325	3,464689	3,370851667	-0,09383733	0,937027093	---	
17458790	5,12436	5,212413	5,247797	4,836542	5,251693	5,214849	5,1948567	5,101028	-0,09382867	0,937032722	Fam188b	
17266847	4,679538	4,57158	4,649773	4,24508	4,624741	4,749675	4,6336303	4,539832	-0,09379833	0,937052423	1700003F17Rik	
17507537	7,41818	7,50972	7,46422	7,373991	7,362316	7,374434	7,46404	7,370247	-0,093793	0,937055887	Pcid2	
17291102	2,837904	3,03221	2,973282	2,661289	2,83559	3,065148	2,9477987	2,854009	-0,09378967	0,937058052	---	
17443114	8,173685	8,375055	8,307423	8,21784	8,198519	8,158444	8,2853877	8,191601	-0,09378667	0,937060001	Rfc2	
17296312	8,725883	8,677428	8,662603	8,613805	8,64273	8,528027	8,688638	8,594854	-0,093784	0,937061733	Snx18	
17408829	8,035681	8,235107	8,110031	7,983793	7,970562	8,145151	8,1269397	8,033168667	-0,093771	0,937070177	Ddx20	
17515994	3,799004	3,770876	3,833239	3,746309	3,774907	3,600644	3,8010397	3,707286667	-0,093753	0,937081868	Gm9513	
17395091	6,424976	6,323359	6,67055	6,475767	6,259893	6,402039	6,4729617	6,379233	-0,09372867	0,937097674	Pmepa1	
17254633	8,599187	8,728993	8,53525	8,59452	8,422686	8,565053	8,6211433	8,527419667	-0,09372367	0,937100922	Rnft1	
17323061	8,668962	8,961191	8,699079	8,668894	8,615452	8,763828	8,7764107	8,682724667	-0,093686	0,937125388	Rrn3	
17306418	8,494833	9,12507	8,601795	8,484637	8,899016	8,557001	8,740566	8,646884667	-0,09368133	0,93712842	---	
17393546	3,998501	3,858801	4,033784	3,995966	3,856955	3,7574	3,9636953	3,870107	-0,09358833	0,937188831	---	
17299542	8,558713	8,529254	8,640308	8,531453	8,433591	8,482493	8,5760917	8,482512333	-0,09357933	0,937194678	Tmem55b // Tmem55b	
17493067	3,045506	3,517976	3,041564	3,388825	2,941068	2,994525	3,201682	3,108139333	-0,09354267	0,937218497	Vmn2r69	
17247627	5,295789	5,308963	5,477086	5,315232	5,196295	5,289716	5,3606127	5,267081	-0,09353167	0,937225643	Tmem17	
17204047	5,085052	5,010608	5,6249	5,476201	5,129811	4,834018	5,2401867	5,146676667	-0,09351	0,937239719	---	
17436328	8,567062	8,62336	8,51282	8,396851	8,520146	8,50572	8,5677473	8,474239	-0,09350833	0,937240802	Yes1	
17500327	9,582364	9,723505	9,901402	9,734301	9,657661	9,534827	9,735757	9,642263	-0,093494	0,937250113	Eif4ebp1	
17329906	5,73236	5,590999	5,810537	5,482628	5,635677	5,735204	5,7112987	5,617836333	-0,09346233	0,937270686	Iqcg	
17301852	9,514166	9,428787	9,544183	9,316693	9,429135	9,46093	9,495712	9,402252667	-0,09345933	0,937272635	Gm9199	
17324402	8,392765	8,819967	8,57857	8,341591	8,542627	8,626754	8,5971007	8,503657333	-0,09344333	0,93728303	---	
17549066	6,433255	6,332554	6,354851	6,321977	6,35052	6,167863	6,3735533	6,28012	-0,09343333	0,937289526	---	
17200725	3,440689	2,967694	2,801988	2,898875	3,184227	2,847023	3,0701237	2,976708333	-0,09341533	0,937301221	---	
17370924	4,419708	4,396486	4,532262	4,32399	4,372727	4,371495	4,4494853	4,356070667	-0,09341467	0,937301654	Galnt5	
17230916	9,310173	9,39108	9,381742	9,28518	9,300609	9,216969	9,3609983	9,267586	-0,09341233	0,93730317	Pdcd5 // Pdcd5	
17470976	5,001294	5,02463	5,332211	4,997133	5,032149	5,048633	5,1193783	5,025971667	-0,09340667	0,937306851	Lag3	
17528615	6,913001	7,650317	7,42266	7,101995	7,04853	7,555248	7,3286593	7,235257667	-0,09340167	0,9373101	---	
17465332	4,989939	4,398477	4,491759	4,602549	4,494817	4,502646	4,626725	4,533337333	-0,09338767	0,937319196	Lrrc4	
17273140	6,434102	6,580164	6,68824	6,459207	6,278966	6,684176	6,567502	6,474116333	-0,09338567	0,937320495	---	
17411361	4,057969	3,837339	4,002693	3,826006	3,827076	3,964764	3,9660003	3,872615333	-0,093385	0,937320928	---	
17272845	5,449357	5,493789	5,770828	5,417449	5,559632	5,456845	5,5713247	5,477975333	-0,09334933	0,937344101	Cbx8	
17419521	5,608055	5,607672	5,718601	5,639199	5,407017	5,608113	5,644776	5,551443	-0,093333	0,937354713	---	
17238996	4,650379	4,76666	4,673566	4,509566	4,671653	4,629442	4,6968683	4,603553667	-0,09331467	0,937366625	Rgs17	
17257591	11,20908	11,17824	11,44581	11,14037	11,35213	11,06081	11,27771	11,18443667	-0,09327333	0,937393481	Snord104	
17544768	4,925095	4,879149	5,179778	4,780668	4,898996	5,024584	4,994674	4,901416	-0,093258	0,937403444	Glra4	
17206707	6,1582	5,740068	5,775091	5,739992	5,98855	5,66505	5,8911197	5,797864	-0,09325567	0,93740496	---	
17304518	7,317016	7,520433	7,390388	7,438626	7,234356	7,275247	7,409279	7,316076333	-0,09320267	0,937439398	2010107H07Rik	
17278820	4,377604	4,920871	4,966408	4,623354	4,759047	4,602937	4,754961	4,661779333	-0,09318167	0,937453043	Mir494	
17341276	8,182874	8,465065	7,873858	7,990973	8,249639	8,001646	8,1739323	8,080752667	-0,09317967	0,937454343	Fpr1	
17433898	5,512803	6,188253	5,9249	5,718075	5,603576	6,024833	5,8753187	5,782161333	-0,09315733	0,937468855	Mxra8 // Mxra8	
17392525	6,090942	5,867215	5,885519	5,906297	5,947272	5,710649	5,947892	5,854739333	-0,09315267	0,937471887	Nkx2-4	
17457787	7,599635	7,50764	7,646152	7,546525	7,604454	7,323032	7,5844757	7,491337	-0,09313867	0,937480985	---	
17306906	6,961293	6,988553	6,867697	6,757886	6,88465	6,893986	6,9386143	6,845507333	-0,093107	0,937501562	Ripk3	
17312780	6,840806	6,717196	6,73811	6,696273	6,720675	6,599868	6,7653707	6,672272	-0,09309867	0,937506978	Gga1	
17341342	3,25635	3,156797	3,243669	3,09821	3,122926	3,156398	3,2189387	3,125844667	-0,093094	0,93751001	Vmn1r228	
17490274	6,800523	6,682832	6,72977	6,71453	6,239567	6,979753	6,7377083	6,644616667	-0,09309167	0,937511526	Spib	
17308046	4,018343	4,328579	4,108167	3,816309	4,097094	4,262423	4,1516963	4,058608667	-0,09308767	0,937514126	Nefm	
17315436	3,409792	3,499793	3,929854	3,486119	3,490973	3,583095	3,6131463	3,520062333	-0,093084	0,93751609	---	
17453492	9,649342	9,912996	9,954631	9,753121	9,724761	9,759849	9,8389897	9,745910333	-0,09307933	0,937519541	Cldn13	
17495802	4,658671	4,370963	4,769354	4,726695	4,476901	4,316156	4,5996627	4,506584	-0,09307867	0,937519974	Pdzd9	
17500749	5,416862	5,177997	5,4433	5,276443	5,284558	5,197924	5,346053	5,252975	-0,093078	0,937520408	Mtus1	
17326735	4,083672	4,483783	4,352246	4,181408	4,238111	4,220963	4,306567	4,213494	-0,093073	0,937523657	Chodl	
17356670	4,065884	4,277846	4,050223	4,183851	4,019551	3,911339	4,1313177	4,038247	-0,09307067	0,93752517	---	
17471502	6,190868	6,14904	6,118665	6,143445	6,042243	5,993691	6,1528577	6,059793	-0,09306467	0,937529072	Cd69	
17298750	5,954886	5,849996	5,824181	5,90134	5,649445	5,799143	5,8763543	5,783309333	-0,093045	0,937541853	Gm5460	
17489946	3,740062	4,02334	3,997384	3,787684	4,083072	3,610898	3,920262	3,827218	-0,093044	0,937542502	---	
17204021	4,53871	4,519333	4,310108	4,639824	4,18887	4,260351	4,4560503	4,363015	-0,09303533	0,937548134	---	
17300104	4,002644	3,934542	3,547466	3,639079	3,671675	3,894827	3,8282173	3,735193667	-0,09302367	0,937555716	---	
17484550	6,260591	5,67241	5,993332	5,981482	5,761055	5,904744	5,9754443	5,882427	-0,09301733	0,937559832	Olfr525	
17505913	8,868057	8,806157	8,741327	8,599536	8,737137	8,799847	8,8051803	8,712173333	-0,093007	0,937566547	Cenpn	
17441808	9,363406	9,148021	9,449235	9,43072	9,277783	8,973145	9,3202207	9,227216	-0,09300467	0,937568064	---	
17384569	3,367236	3,047925	3,332332	3,189692	3,260481	3,018315	3,2491643	3,156162667	-0,09300167	0,937570013	Olfr358	
17356305	7,488067	7,446024	7,6106	7,507594	7,367898	7,390199	7,514897	7,421897	-0,093	0,937571096	Zdhhc24	
17449673	7,464474	7,875628	7,489453	7,552693	7,520917	7,476954	7,6098517	7,516854667	-0,092997	0,937573046	Naaa	
17286553	7,276163	7,370976	7,352868	7,15712	7,212497	7,351438	7,3333357	7,240351667	-0,092984	0,937581495	Cdyl	
17436099	6,666306	6,946786	7,080386	6,790361	6,916632	6,707684	6,897826	6,804892333	-0,09293367	0,937614206	Krtcap3	
17350552	7,05054	7,024283	6,863943	6,847202	6,790361	7,02241	6,9795887	6,886657667	-0,092931	0,937615939	Prr16	
17543137	3,209279	3,366388	3,422579	3,279774	3,195837	3,243885	3,3327487	3,239832	-0,09291667	0,937625254	---	

17292122	9,036425	9,049603	8,980038	8,885405	8,981133	8,9209	9,022022	8,929146	-0,092876	0,937651684	Ranbp9	
17273743	6,269803	6,539597	6,516224	6,25496	6,46433	6,327767	6,4418747	6,349019	-0,09285567	0,9376649	2410017P09Rik	
17388353	6,44437	6,422078	6,44907	6,400716	6,15028	6,485968	6,438506	6,345654667	-0,09285133	0,937667716	Gyltl1b	
17441535	4,104154	3,826908	3,768084	3,67717	3,808826	3,934601	3,8997153	3,806865667	-0,09284967	0,937668799	---	
17347263	3,290761	3,040564	3,240921	2,98501	3,294896	3,013811	3,1907487	3,097905667	-0,092843	0,937673132	---	
17363139	3,115721	3,052502	3,017047	3,037317	2,74044	3,128997	3,0617567	2,968918	-0,09283867	0,937675949	Olfr1457	
17215788	7,314854	7,452132	7,303584	7,310182	7,306997	7,174934	7,3568567	7,264037667	-0,092819	0,937688731	Asb1	
17548012	10,47218	10,58831	10,59661	10,26962	10,49961	10,60943	10,552367	10,45955333	-0,09281333	0,937692414	Hmgn2 // Hmgn2 // Hmgn2 // Hmgn2 /,	
17518326	4,667842	4,628117	4,667393	4,856937	4,545808	4,282181	4,6544507	4,561642	-0,09280867	0,937695447	---	
17346349	7,514309	7,416406	7,420386	7,326559	7,360317	7,385823	7,450367	7,357566333	-0,09280067	0,937700647	Rfx2	
17539062	3,580364	4,472751	3,654798	3,880969	3,629476	3,919071	3,9026377	3,809838667	-0,092799	0,93770173	---	
17413470	4,41245	4,465644	4,509577	4,329388	4,34185	4,438045	4,462557	4,369761	-0,092796	0,93770368	Olfr155	
17421571	7,372022	7,549223	7,530846	7,510365	7,366096	7,29726	7,4840303	7,391240333	-0,09279	0,93770758	Mad2l2	
17324354	3,580027	3,913127	3,543722	3,746902	3,4774	3,534208	3,6789587	3,58617	-0,09278867	0,937708447	---	
17201581	4,596019	4,439231	4,352104	4,45109	4,483604	4,174314	4,4624513	4,369669333	-0,092782	0,93771278	---	
17371215	5,9722	6,04326	6,002784	5,865191	6,055129	5,819604	6,0060813	5,913308	-0,09277333	0,937718413	---	
17201743	5,39807	4,660586	4,255931	4,559404	4,717572	4,759352	4,771529	4,678776	-0,092753	0,937731629	---	
17201919	5,39807	4,660586	4,255931	4,559404	4,717572	4,759352	4,771529	4,678776	-0,092753	0,937731629	---	
17208729	6,071935	5,812623	5,442973	5,823368	5,105453	6,12048	5,7758437	5,683100333	-0,09274333	0,937737912	---	
17521483	3,794012	3,82029	4,085322	3,804695	3,922806	3,693915	3,8998747	3,807138667	-0,092736	0,937742679	---	
17500808	10,66251	10,49936	10,43943	10,27997	10,42301	10,62013	10,533767	10,44103667	-0,09273	0,937746579	---	
17471598	4,170986	4,034001	4,19169	4,139558	3,816577	4,162418	4,1322257	4,039517667	-0,092708	0,937760879	Klrc1	
17303536	4,632301	4,223835	4,373046	4,237668	4,553617	4,159783	4,4097273	4,317022667	-0,09270467	0,937763046	---	
17463591	3,097964	2,93562	2,895442	2,930464	2,837579	2,882954	2,976342	2,883665667	-0,09267633	0,937781463	---	
17463593	3,097964	2,93562	2,895442	2,930464	2,837579	2,882954	2,976342	2,883665667	-0,09267633	0,937781463	---	
17463595	3,097964	2,93562	2,895442	2,930464	2,837579	2,882954	2,976342	2,883665667	-0,09267633	0,937781463	---	
17498962	6,996286	7,235184	7,074312	7,145932	7,104237	6,777593	7,1019273	7,009254	-0,09267333	0,937783413	Col4a2	
17381355	3,317913	2,98494	3,206472	3,152729	3,091892	2,98673	3,169775	3,077117	-0,092658	0,93779338	---	
17223574	8,146189	8,240753	7,928129	7,874676	8,04956	8,112962	8,1050237	8,012399333	-0,09262433	0,937815265	Sumo1	
17315152	7,280072	7,128108	7,2882	7,279204	7,377833	6,761472	7,2321267	7,139503	-0,09262367	0,937815698	Acvr1b	
17306532	4,563579	4,901391	4,670498	4,852485	4,47176	4,533401	4,7118227	4,619215333	-0,09260733	0,937826315	Myh6	
17237084	8,041412	8,009202	7,797573	7,727145	7,858238	7,985029	7,9493957	7,856804	-0,09259167	0,9378365	Ccdc59	
17287243	9,621572	10,04624	10,03752	9,981295	9,801165	9,645098	9,9017773	9,809186	-0,09259133	0,937836716	---	
17346735	9,745063	9,684782	9,70997	9,548921	9,647556	9,665593	9,7132717	9,62069	-0,09258167	0,937843	Vapa	
17548277	4,821895	4,918015	4,938526	4,889173	4,72304	4,788502	4,892812	4,800238333	-0,09257367	0,937848201	Gm19382	
17468926	7,379793	7,4872	7,602452	7,392532	7,409355	7,389867	7,489815	7,397251333	-0,09256367	0,937854701	LOC100861972	
17399663	9,081829	9,068725	9,017598	8,915047	8,98131	8,994123	9,0560507	8,963493333	-0,09255733	0,937858818	Itb	
17359055	9,9786	10,12711	10,02387	9,949198	9,947294	9,955449	10,043193	9,950647	-0,09254633	0,937865969	Exoc6	
17389578	8,263229	8,288906	8,264718	8,217154	8,18188	8,140212	8,2722843	8,179748667	-0,09253567	0,937872904	Atpbd4	
17200145	4,157287	3,763063	4,639083	4,299609	4,066224	3,916029	4,1864777	4,093954	-0,09252367	0,937880705	---	
17455722	4,550612	4,641033	4,526785	4,676108	4,414382	4,350434	4,57281	4,480308	-0,092502	0,93789479	Gm7963 // LOC665729 // Gm6523	
17510478	4,066024	4,231926	4,245196	4,027708	4,350742	3,887225	4,1810487	4,088558333	-0,09249033	0,937902374	---	
17457866	3,286556	3,449468	3,470657	3,314262	3,251101	3,363936	3,402227	3,309766333	-0,09246067	0,937921661	Sva	
17343823	3,861357	3,819403	4,209164	3,86073	3,81477	3,937192	3,963308	3,870897333	-0,09241067	0,937954168	---	
17378329	10,22591	10,23168	10,01628	10,03767	10,05712	10,10185	10,157957	10,06554667	-0,09241	0,937954601	Dynlrb1	
17486589	9,10562	9,315435	9,111195	9,097424	9,007352	9,150266	9,1774167	9,085014	-0,09240267	0,937959369	Slc27a5	
17448373	4,464594	4,048428	4,180289	4,144724	4,141458	4,129927	4,2311037	4,138703	-0,09240067	0,937960669	---	
17287682	8,074659	8,246559	8,10299	7,851148	8,061825	8,234076	8,1414027	8,049016333	-0,09238633	0,937969988	Grk6	
17361638	5,770042	5,91913	5,794241	5,818225	5,651903	5,736159	5,8278043	5,735429	-0,09237533	0,937977139	Snx32	
17305685	7,770728	7,9221	7,822921	7,637506	7,778373	7,822792	7,838583	7,746223667	-0,09235933	0,937987542	Ddhd1	
17244529	3,518778	3,625754	3,693475	3,453133	3,601328	3,50652	3,612669	3,520327	-0,092342	0,937998812	4930473O22Rik	
17200593	5,140079	4,559987	4,57072	4,813851	4,782945	4,397038	4,7569287	4,664611333	-0,09231733	0,938014849	---	
17434381	9,120989	9,177778	9,091822	8,870547	9,062013	9,181089	9,1301963	9,037883	-0,09231333	0,93801745	Krit1	
17544098	4,86129	4,718551	4,77228	5,148944	4,155825	4,770507	4,7840403	4,691758667	-0,09228167	0,938038039	Gm732	
17232438	5,900208	6,461884	6,396613	6,237865	6,191182	6,052847	6,2529017	6,160631333	-0,09227033	0,938045408	---	
17427155	6,454317	6,470043	6,410033	6,302498	6,419701	6,335386	6,4447977	6,352528333	-0,09226933	0,938046059	Cdkn2b	
17356383	6,729546	6,311557	6,70766	6,599716	6,386966	6,485327	6,582921	6,490669667	-0,09225133	0,938057762	Gal3st3	
17359466	6,481055	6,154785	6,405074	6,2071	6,251998	6,305089	6,3469713	6,254729	-0,09224233	0,938063614	Pgam1	
17536343	4,373418	4,345719	4,394601	4,30865	4,175189	4,353232	4,371246	4,279023667	-0,09222233	0,938076619	Zxda // Zxda	
17432488	4,630601	4,764258	4,929911	4,792144	4,534538	4,721423	4,7749233	4,682701667	-0,09222167	0,938077052	Pramef6	
17458465	6,612469	6,426567	6,414018	6,229557	6,533957	6,412878	6,4843513	6,392130667	-0,09222067	0,938077702	Ccdc126	
17387810	4,994095	4,597743	4,621305	4,730262	4,681438	4,524894	4,7377143	4,645531333	-0,092183	0,938102195	Olfr1166	
17257680	3,403111	3,435985	3,443382	3,506313	3,178408	3,321214	3,4274927	3,335311667	-0,092181	0,938103495	---	
17433656	5,583994	5,543536	5,469263	5,393458	5,636875	5,28997	5,5322643	5,440101	-0,09216333	0,938114983	5930403L14Rik	
17256979	3,792265	3,744307	3,748196	3,700061	3,722697	3,585577	3,7615893	3,669445	-0,09214433	0,938127338	Gm1564	
17402708	5,914793	6,054626	5,95237	5,81776	5,907557	5,92005	5,9739297	5,881789	-0,09214067	0,938129722	Aimp1 // Aimp1	
17414301	9,577251	9,465005	9,627843	9,49804	9,48618	9,409462	9,5566997	9,464560667	-0,092139	0,938130806	Rad23b	
17438569	3,919775	4,250492	3,94421	4,061958	3,962379	3,8138	4,038159	3,946045667	-0,09211333	0,938147496	---	
17459731	3,731231	3,699954	3,318511	3,418746	3,602497	3,452113	3,583232	3,491118667	-0,09211333	0,938147496	---	
17309457	5,420444	5,314192	5,383801	5,34386	5,233442	5,26481	5,3728123	5,280704	-0,09210833	0,938150747	Dzip1	
17284694	4,405085	4,546321	4,203184	4,446395	4,181349	4,250532	4,3848633	4,292758667	-0,09210467	0,938153132	---	
17212874	8,445176	8,663862	8,231847	8,293411	8,454052	8,317109	8,4469617	8,354857333	-0,09210433	0,938153348	Coq10b	
17547400	2,683615	3,135739	3,160096	2,66939	3,094265	2,939525	2,99315	2,90106	-0,09209	0,938162669	---	
17278502	4,036335	4,055215	4,034574	3,999974	3,986323	3,863626	4,0420413	3,949974333	-0,092067	0,938177626	---	
17372052	8,431861	8,125678	8,359863	8,253813	8,188768	8,198651	8,3058007	8,213744	-0,09205667	0,938184345	---	
17482366	6,628828	7,170191	6,940389	7,0741	6,913423	6,475808	6,913136	6,821110333	-0,09202567	0,938204505	Tmem159	
17419044	9,94788	9,879812	9,902857	9,76923	9,858738	9,826551	9,910183	9,818173	-0,09201	0,938214693	Ptp4a2	
17481612	5,874184	5,211764	5,065082	5,307336	5,222821	5,344853	5,3836767	5,29167	-0,09200667	0,938216861	Olfr491	
17430945	7,465017	7,535612	7,630536	7,41579	7,482356	7,457006	7,5437217	7,451717333	-0,09200433	0,938218378	Fam76a	
17264338	6,673512	6,826385	6,74409	6,711783	6,556277	6,699928	6,7479957	6,655996	-0,09199967	0,938221413	Gas7 // Gas7	
17425123	5,590807	5,399297	5,421968	5,261078	5,2465	5,628526	5,4706907	5,378701333	-0,09198933	0,938228133	Anks6	
17311443	3,771068	4,261586	4,423318	4,332692	3,737847	4,109487	4,1519907	4,060008667	-0,091982	0,938232902	---	
17310201	9,308788	9,492765	9,214912	9,33121	9,200058	9,209292	9,3388217	9,246853333	-0,09196833	0,93824179	Lmbrd2	
17376274	5,706639	6,021965	5,913228	5,737405	5,827564	5,801061	5,8806107	5,788676667	-0,091934	0,938264119	Nop56	
17415728	11,99123	12,08876	12,12607	12,05244	11,91259	11,96523	12,068687	11,97675333	-0,09193333	0,938264553	Angptl3	
17524967	4,644491	4,464406	4,438747	4,350831	4,347219	4,573815	4,5158813	4,423955	-0,09192633	0,938269105	Gm6607	
17517198	3,67821	3,881117	4,015092	3,878631	3,840818	3,579228	3,8581397	3,766225667	-0,091914	0,938277126	---	
17316390	8,948335	9,378822	9,21013	8,948656	9,264532	9,048361	9,1790957	9,087183	-0,09191267	0,938277993	Gm7429 // Gm6109 // Rpl30	
17234027	3,944483	3,884386	3,860571	3,83915	3,759726	3,814828	3,89648	3,804568	-0,091912	0,938278427	---	
17272174	6,927229	6,968813	6,740101	6,802171	6,831335	6,726962	6,8787143	6,786822667	-0,09189167	0,938291651	Trim65	
17423030	5,61672	5,986752	5,926278	5,8003	6,057373	5,396422	5,84325	5,751365	-0,091885	0,938295987	Penk	
17344862	3,663083	3,237222	3,67697	3,643421	3,321174	3,337075	3,5257583	3,43389	-0,09186833	0,938306827	Olfr101	
17368550	8,89855	8,937551	8,956132	8,883278	8,841865	8,791606	8,9307443	8,838916333	-0,091828	0,938333059	Rxra	
17519644	5,823892	5,792147	5,704032	5,61183	5,921077	5,511699	5,773357	5,681535333	-0,09182167	0,938337178	C920006O11Rik	
17535110	4,055083	3,87474	3,983336	3,861323	3,867674	3,908699	3,971053	3,879232	-0,091821	0,938337612	---	
17286732	10,45389	10,7258	10,7257	10,59155	10,52474	10,51364	10,63513	10,54331	-0,09182	0,938338262	Tmem14c	
17294516	3,986812	4,20086	4,698442	3,97371	4,467126	4,169819	4,2953713	4,203551667	-0,09181967	0,938338479	---	
17482590	7,012258	7,051538	7,04873	6,894022	7,073968	6,869123	7,0375087	6,945704333	-0,09180433	0,938348452	Polr3e	
17302289	5,367703	5,369523	5,469716	5,31681	5,303825	5,310899	5,402314	5,310511333	-0,09180267	0,938349536	Pcdh17	
17224952	3,236759	3,317335	3,274824	3,135532	3,270892	3,147106	3,276306	3,18451	-0,091796	0,938353872	---	
17404150	3,453524	3,419344	3,317422	3,537818	3,220744	3,156379	3,3967633	3,304980333	-0,091783	0,938362328	---	
17417066	3,414905	3,47006	3,381567	3,318867	3,275406	3,396941	3,4221773	3,330404667	-0,09177267	0,938369049	Skint2	
17256673	9,322262	9,444344	9,222445	9,124594	9,260697	9,328456	9,3296837	9,237915667	-0,091768	0,938372084	Psme3	
17501292	8,092297	8,013559	8,146704	7,972863	7,982612	8,021791	8,0841867	7,992422	-0,09176467	0,938374252	Hmgb2	
17219178	3,516217	3,294423	3,469303	3,280404	3,427984	3,296283	3,4266477	3,334890333	-0,09175733	0,938379022	1700015E13Rik	
17445895	6,826674	7,150099	6,884449	6,593345	7,171426	6,821179	6,9537407	6,861983333	-0,09175733	0,938379022	Psmc2 // Psmc2	
17201275	4,315411	4,399331	4,677008	4,418483	4,206718	4,491287	4,4639167	4,372162667	-0,091754	0,93838119	---	
17325721	8,324541	8,239305	8,229843	8,160822	8,211184	8,146467	8,264563	8,172824333	-0,09173867	0,938391164	---	
17474270	3,82958	4,141942	4,463165	3,99073	4,165556	4,003187	4,1448957	4,053157667	-0,091738	0,938391597	Psg-ps1	
17237313	4,674807	4,672999	4,870688	4,658077	4,68979	4,595417	4,739498	4,647761333	-0,09173667	0,938392464	Caps2	
17528247	5,146868	4,682697	5,145877	4,9987	5,055637	4,645898	4,991814	4,900078333	-0,09173567	0,938393115	Kbtbd13	
17307935	7,428616	7,359211	7,216833	7,16345	7,211766	7,354317	7,3348867	7,243177667	-0,091709	0,93841046	Ppp2r2a	
17287330	9,11143	9,068559	8,86592	8,841797	8,978699	8,950344	9,015303	8,923613333	-0,09168967	0,938423036	Cks2	
17267329	8,301846	8,417449	8,248149	8,076558	8,33784	8,278023	8,3224813	8,230807	-0,09167433	0,93843301	Vmp1	
17406783	7,1717	7,132699	7,288099	7,06635	7,108925	7,142246	7,1974993	7,105840333	-0,091659	0,938442984	Lmna	
17333672	8,101937	8,224697	8,081697	8,037855	8,016761	8,078765	8,1361103	8,044460333	-0,09165	0,938448838	Riok2	
17440132	10,16498	10,18387	10,13708	9,976015	10,16218	10,07279	10,161977	10,07032833	-0,09164833	0,938449922	---	
17333805	3,678674	3,651848	3,155746	3,44674	3,630208	3,134409	3,4954227	3,403785667	-0,091637	0,938457294	Vmn2r100	
17489571	3,700151	3,468399	3,589545	3,533936	3,554468	3,39478	3,5860317	3,494394667	-0,091637	0,938457294	Abpb	
17404366	5,276218	5,304472	5,505993	5,27353	5,234906	5,303352	5,3622277	5,270596	-0,09163167	0,938460764	Agtr1b	
17521070	7,925864	7,917694	8,04975	7,813321	7,959192	7,845939	7,964436	7,872817333	-0,09161867	0,93846922	Mrpl3	
17204063	7,542624	7,671093	7,843863	7,768328	7,694161	7,320251	7,68586	7,594246667	-0,09161333	0,938472689	---	
17341426	3,168967	3,331116	3,270892	3,149924	3,140206	3,206142	3,2569917	3,165424	-0,09156767	0,938502396	Vmn2r111	
17382530	5,52597	5,605746	5,549668	5,076099	5,510409	5,820202	5,5604613	5,468903333	-0,091558	0,938508684	AA543186	
17409328	9,783128	10,04776	9,990524	9,861618	9,838796	9,846343	9,9404707	9,848919	-0,09155167	0,938512804	Sars	
17406268	3,35136	3,269884	3,375694	3,214301	3,266053	3,242028	3,3323127	3,240794	-0,09151867	0,938534272	1700028M03Rik	
17202871	6,780984	6,995793	6,86249	6,317936	6,969718	7,077063	6,8797557	6,788239	-0,09151667	0,938535573	---	
17533736	3,692712	3,668773	3,577052	3,580278	3,467674	3,616111	3,646179	3,554687667	-0,09149133	0,938552054	Ssxa1	
17391871	5,935575	6,031357	6,549046	6,04929	6,095383	6,096838	6,1719927	6,080503667	-0,091489	0,938553572	Spef1	
17205885	4,438391	4,872685	3,91098	4,394944	4,054356	4,498329	4,407352	4,315876333	-0,09147567	0,938562246	---	
17539027	7,604652	7,583874	7,092335	7,288296	7,231388	7,486773	7,4269537	7,335485667	-0,091468	0,938567233	2210013O21Rik	
17213593	6,986265	7,430853	6,941025	6,972296	7,121004	6,990457	7,119381	7,027919	-0,091462	0,938571137	Snora41	
17396790	3,307581	3,265364	3,488431	3,205262	3,159948	3,421799	3,353792	3,262336333	-0,09145567	0,938575257	---	
17473914	3,828651	4,027487	3,727296	3,810636	3,698369	3,80015	3,8611447	3,769718333	-0,09142633	0,938594341	Cabp5	

17301283	5,081616	4,987889	5,398655	4,836322	5,222847	5,134774	5,1560533	5,064647667	-0,09140567	0,938607786	Prss52	
17319870	8,94311	8,909999	9,042905	8,868041	8,94013	8,813776	8,965338	8,873982333	-0,09135567	0,938640316	Ttll12	
17238844	7,594062	7,714149	7,631255	7,536069	7,676967	7,452402	7,6464887	7,555146	-0,09134267	0,938648774	Syne1	
17309455	3,733018	3,585142	3,957551	3,63938	3,7305	3,63188	3,7585703	3,667253333	-0,091317	0,938665474	---	
17405825	5,359344	4,852195	5,846216	5,020595	5,756493	5,006758	5,352585	5,261282	-0,091303	0,938674583	---	
17337637	2,958075	3,066502	2,900222	2,746553	2,939525	2,964836	2,974933	2,883638	-0,091295	0,938679788	Olfr138	
17361771	7,501488	7,620856	7,69067	7,560105	7,423087	7,555938	7,604338	7,513043333	-0,09129467	0,938680005	Sssca1	
17404172	2,901158	3,021773	2,986593	2,851383	2,952963	2,831301	2,9698413	2,878549	-0,09129233	0,938681523	---	
17426497	9,650538	9,696789	9,692156	9,762485	9,681007	9,322117	9,6798277	9,588536333	-0,09129133	0,938682174	Megf9	
17219222	5,404699	5,338431	5,555517	5,398068	5,309587	5,317179	5,4328823	5,341611333	-0,091271	0,938695403	Mpz	
17363666	5,843134	5,585485	5,213993	5,763631	5,129553	5,475668	5,5475373	5,456284	-0,09125333	0,938706898	---	
17322477	7,931974	7,382452	7,972627	7,588521	7,816056	7,608724	7,762351	7,671100333	-0,09125067	0,938708634	---	
17305941	3,508134	3,804787	3,298491	3,332319	3,533571	3,471774	3,5371373	3,445888	-0,09124933	0,938709501	Olfr729	
17432256	5,151157	5,149107	5,267098	4,993911	5,194862	5,104872	5,1891207	5,097881667	-0,091239	0,938716225	Slc25a34	
17446458	4,494481	4,664685	4,590216	4,619427	4,354793	4,501554	4,5831273	4,491924667	-0,09120267	0,938739866	LOC100862368 // LOC100862359 // Gm1	
17486674	5,236101	4,66129	4,919565	4,951904	5,117305	4,474234	4,9389853	4,847814333	-0,091171	0,938760471	Sult2a4	
17479303	6,262591	6,766302	6,429545	6,381193	6,452466	6,351326	6,486146	6,394995	-0,091151	0,938773485	Aen	
17250072	4,420702	3,959319	4,327065	4,208246	3,964746	4,260664	4,2356953	4,144552	-0,09114333	0,938778474	Olfr325	
17208451	4,862638	5,694623	4,705448	5,497923	4,411591	5,079787	5,0875697	4,996433667	-0,091136	0,938783246	---	
17207749	5,073465	5,164009	4,668663	5,059563	5,36541	4,207787	4,9687123	4,877586667	-0,09112567	0,93878997	---	
17450897	4,727977	4,879591	4,762766	4,780786	4,563037	4,753135	4,7901113	4,698986	-0,09112533	0,938790187	Vmn2r12	
17274292	4,117312	3,567001	3,65547	3,658455	3,651165	3,756834	3,7799277	3,688818	-0,09110967	0,938800382	Mir3066	
17416154	4,353987	4,366055	4,755484	4,320096	4,490106	4,392026	4,491842	4,400742667	-0,09109933	0,938807106	LOC622167	
17454139	3,968383	3,800618	4,152288	3,837089	4,092231	3,718717	3,973763	3,882679	-0,091084	0,938817084	Gm15498	
17310078	9,646707	9,691703	9,661589	9,597216	9,567433	9,562108	9,6666663	9,575585667	-0,09108067	0,938819253	Nup155	
17444481	5,682274	5,609804	5,515162	5,550215	5,521019	5,462792	5,6024133	5,5111342	-0,09107133	0,938825326	Bhlha15	
17305327	6,484598	6,486944	6,478201	6,562576	6,63232	5,981638	6,4832477	6,392178	-0,09106967	0,93882641	---	
17471231	4,556323	4,634403	5,012835	4,50221	4,713584	4,714565	4,7345203	4,6443453	-0,09106733	0,938827929	Prmt8	
17333932	7,383884	6,899311	7,127542	7,129925	7,202066	6,80562	7,1369123	7,045870333	-0,091042	0,938844415	Zfp53	
17387858	3,835538	3,726109	3,554154	3,695149	3,457564	3,690045	3,705267	3,614252667	-0,09101433	0,93886242	Olfr1208	
17283964	3,847656	3,523223	3,852682	3,564412	3,595695	3,790578	3,741187	3,650228333	-0,09095867	0,938898646	Mir299	
17298925	9,857665	10,09486	9,94869	9,703766	9,898705	10,02589	9,9670717	9,876120333	-0,09095133	0,938903419	---	
17463619	3,723409	3,07233	3,051173	3,016418	3,27463	3,28305	3,282304	3,191366	-0,090938	0,938912096	Prp2	
17258521	8,419024	8,29801	8,328877	8,106918	8,402103	8,264163	8,348637	8,257728	-0,090909	0,93893097	H3f3b // H3f3b	
17508532	4,179532	4,141512	4,101983	4,088912	4,033771	4,027663	4,141009	4,050115333	-0,09089367	0,938940949	Got1l1	
17510707	8,861184	8,904575	8,647173	8,706306	8,599664	8,834291	8,8043107	8,713420333	-0,09089033	0,938943118	Lsm6	
17474746	2,991195	3,577439	3,148242	3,239908	2,98152	3,222802	3,2389587	3,148076667	-0,090882	0,938948542	Vmn1r123	
17247877	3,577396	3,395364	3,66657	3,465527	3,560813	3,340354	3,5464433	3,455564667	-0,09087867	0,938950711	4933430M04Rik	
17449958	11,71851	12,09344	11,87322	11,79035	11,74268	11,87954	11,895057	11,80419	-0,09086667	0,938958521	Mir703	
17328829	9,380303	9,456278	9,427058	9,397707	9,305521	9,287848	9,421213	9,330358667	-0,09085433	0,938966549	Slc25a1	
17484080	9,041203	8,962772	8,930967	8,828167	8,994328	8,839947	8,978314	8,887480667	-0,09083333	0,938980216	Fam175b	
17384563	4,407375	3,24362	3,985553	3,919408	3,581214	3,863432	3,8788493	3,788018	-0,09083133	0,938981518	Olfr351	
17342916	4,617265	4,722948	4,676859	4,4929	4,471151	4,780599	4,6723573	4,58155	-0,09080733	0,938997139	Slc26a8	
17204499	3,25191	4,654896	3,546403	4,357124	2,921441	3,902226	3,8177363	3,726930333	-0,090806	0,938998006	---	
17543150	8,81411	8,829559	8,879422	8,67846	8,763854	8,808381	8,8410303	8,750231667	-0,09079867	0,939002779	Pola1	
17260898	6,946888	6,858974	6,829224	6,595117	6,72581	7,041775	6,878362	6,787567333	-0,09079467	0,939005383	1110067D22Rik	
17380604	5,85709	5,730535	5,643254	5,799231	5,447776	5,7115	5,7436263	5,652835667	-0,09079067	0,939007986	9030418K01Rik	
17283303	7,627165	7,510408	7,328367	7,410779	7,448636	7,334171	7,4886467	7,397862	-0,09078467	0,939011892	Ccdc88c	
17505953	6,471187	6,749944	6,526298	6,508508	6,422007	6,544566	6,5824763	6,491693667	-0,09078267	0,939013193	Gan	
17209541	4,607513	5,702586	5,053037	5,289762	4,508988	5,292056	5,1210453	5,030268667	-0,09077667	0,939017099	---	
17527914	4,549751	4,640194	4,643508	4,306531	4,625754	4,628871	4,611151	4,520385333	-0,09076567	0,939024258	4933433G08Rik	
17314085	7,990756	8,08007	8,211873	8,066378	7,927022	8,017034	8,094233	8,003478	-0,090755	0,939031201	Ppp6r2	
17533348	5,917096	5,619438	5,96417	5,753081	5,807379	5,668034	5,833568	5,742831333	-0,09073667	0,939034134	Gm4984	
17342958	5,946024	5,632954	6,060125	5,817935	5,707496	5,841516	5,879701	5,788982333	-0,09071867	0,93905485	Pxt1	
17203261	3,899488	4,215922	4,529318	3,996721	4,459814	3,916051	4,2149093	4,124195333	-0,090714	0,939057888	---	
17217965	3,372311	3,347351	3,323884	3,141979	3,310435	3,31899	3,3478487	3,257134667	-0,090714	0,939057888	---	
17373105	7,556582	7,205809	7,625936	7,442903	7,326612	7,346681	7,4627757	7,372065333	-0,09071033	0,939060274	C1qtnf4	
17324616	4,985483	4,516114	4,633065	4,754162	4,615652	4,492748	4,711554	4,620854	-0,0907	0,939067001	---	
17370641	8,688273	8,660881	8,682321	8,617584	8,56022	8,581575	8,6771583	8,586459667	-0,09069867	0,939067868	Epc2	
17297849	4,737512	4,559866	4,71506	4,669547	4,467492	4,603354	4,6708127	4,580131	-0,09068167	0,939078934	Gm10394	
17253901	6,500837	6,576917	6,604912	6,597476	6,547606	6,265561	6,5608887	6,470214333	-0,09067433	0,939083707	Rnf135	
17373596	4,040684	4,051628	4,17118	3,968144	4,083891	3,939437	4,0878307	3,997157333	-0,09067333	0,939084358	4921507L20Rik	
17201655	7,099946	6,140003	6,618311	6,792161	6,188104	6,606018	6,61942	6,528761	-0,090659	0,939093688	---	
17521722	7,087579	7,149882	7,308595	7,072894	7,046647	7,154548	7,1820187	7,091363	-0,09065567	0,939095858	Ccdc71	
17514924	5,41634	4,593963	4,891093	5,020713	4,737648	4,871109	4,967132	4,87649	-0,090642	0,939104754	Olfr845	
17330852	4,249536	4,343085	4,091907	4,185372	4,128601	4,098639	4,228176	4,137537333	-0,09063867	0,939106924	1700026J12Rik	
17295270	10,85357	10,84493	10,88896	10,79493	10,77625	10,74439	10,862487	10,77185667	-0,09063	0,939112565	Nsa2	
17410063	9,052628	9,310753	9,179125	9,126878	9,204119	8,93963	9,1808353	9,090209	-0,09062633	0,939114952	Snhg8	
17396673	5,432982	5,494683	5,658687	5,280007	5,531754	5,502764	5,528784	5,438175	-0,090609	0,939126235	4930429B21Rik	
17225871	3,800826	3,783504	3,684781	3,874764	3,478429	3,644118	3,7563703	3,665770333	-0,0906	0,939132094	Slco6c1	
17528930	3,547465	3,203831	3,732917	3,637815	3,486419	3,088236	3,4947377	3,404156667	-0,090581	0,939144462	---	
17417269	8,602734	8,749913	8,358806	8,505877	8,434492	8,49935	8,5704843	8,479906333	-0,090578	0,939146415	4732418C07Rik	
17359143	3,801692	3,77135	3,749704	3,765802	3,678499	3,606765	3,7742487	3,683688667	-0,09056	0,939158133	Lgi1	
17340998	6,647313	6,300723	6,366806	6,242942	6,592911	6,207316	6,4382807	6,347723	-0,09055767	0,939159652	Gpr31b	
17397827	6,759233	6,612831	6,712392	6,581336	6,602629	6,628888	6,6948187	6,604284333	-0,09053433	0,939174841	Med12l	
17494656	6,685315	7,479144	6,41088	6,828942	6,76184	6,712961	6,8584463	6,767914333	-0,090532	0,93917636	Gm4070 // Gm4070	
17201757	4,20032	4,244856	4,006095	3,917929	4,071653	4,190119	4,1504237	4,059900333	-0,09052333	0,939182002	---	
17201933	4,20032	4,244856	4,006095	3,917929	4,071653	4,190119	4,1504237	4,059900333	-0,09052333	0,939182002	---	
17270410	6,083429	5,973465	6,380991	6,111979	6,055045	5,999335	6,1459617	6,055453	-0,09050867	0,93919155	Plcd3	
17505475	5,84481	5,528622	5,182863	5,236012	5,738451	5,310357	5,518765	5,428273333	-0,09049167	0,939202617	---	
17391139	4,444149	4,730277	4,46185	4,375598	4,347437	4,641799	4,5454253	4,454944667	-0,09048067	0,939209778	Usp50	
17280626	4,818029	4,831348	4,949762	4,825486	4,812366	4,689849	4,8663797	4,775900333	-0,09047933	0,939210646	4933406C10Rik	
17382032	4,884532	4,682972	4,771353	4,871914	4,641608	4,554001	4,779619	4,689174333	-0,09044467	0,939233215	BC061194	
17425867	5,634312	5,419664	6,011072	5,90457	5,500619	5,388531	5,6883493	5,597906667	-0,09044267	0,939234517	---	
17486465	3,474822	3,370027	3,544488	3,226981	3,851485	3,039591	3,4631123	3,372685667	-0,09042667	0,939244933	Vmn1r71	
17511377	6,714326	6,821905	6,575368	6,589674	6,692682	6,557984	6,7038663	6,613446667	-0,09041967	0,93924949	Neto2	
17536945	7,098577	6,802066	7,383427	7,068566	7,091395	6,852877	7,09469	7,004279333	-0,09041067	0,93925535	1700011M02Rik	
17433305	4,886699	4,910325	4,832682	4,646106	4,842291	4,870128	4,8765687	4,786175	-0,09039367	0,939266418	1700045H11Rik	
17333977	6,614895	6,575677	6,547566	6,412555	6,56101	6,4934	6,5793793	6,488988333	-0,090391	0,939268154	Zfp229	
17481330	6,060684	5,828961	6,176614	5,821747	5,854271	6,119071	6,0220863	5,931696333	-0,09039	0,939268805	Olfr661	
17521971	6,207214	6,140547	6,391497	6,156482	6,127254	6,184383	6,2464193	6,156039667	-0,09037967	0,939275532	Slc26a6	
17550823	3,578592	3,347622	3,4896	3,360309	3,405133	3,37924	3,471938	3,381560667	-0,09037733	0,939277051	---	
17312986	5,225957	5,386031	5,474092	5,449066	5,126984	5,238901	5,3620267	5,271650333	-0,09037633	0,939277703	---	
17541612	9,011382	8,989415	8,512783	8,571677	8,809125	8,861651	8,83786	8,747484333	-0,09037567	0,939278137	Rap2c	
17242046	6,724686	6,556028	6,549536	6,64712	6,57207	6,339962	6,6100833	6,519717333	-0,090366	0,93928443	Dip2a	
17551101	8,823518	8,900372	8,817475	8,688326	8,751263	8,830694	8,8471217	8,756761	-0,09036067	0,939287903	---	
17404174	4,512113	4,311946	3,871205	4,053347	4,053347	4,317492	4,2317547	4,141395333	-0,09035933	0,939288771	1810022K09Rik	
17283225	6,540632	6,39274	6,604095	6,278969	6,63814	6,349301	6,512489	6,422136667	-0,09035233	0,939293328	BC002230	
17447078	6,038718	6,633385	6,348763	6,176389	6,248232	6,325193	6,3402887	6,249938	-0,09035067	0,939294413	Ywhah // Ywhah	
17494199	3,426143	3,314039	3,361058	3,359629	3,209607	3,260959	3,36708	3,276731667	-0,09034833	0,939295932	Olfr629	
17316187	4,449581	4,354352	4,740273	4,663158	4,154729	4,455275	4,5147353	4,424387333	-0,090348	0,939296149	---	
17480962	6,658738	6,507151	6,658738	6,561916	6,498851	6,492867	6,608209	6,517878	-0,090331	0,939307218	3200002M19Rik	
17203187	3,958677	4,218045	4,078512	3,888936	3,993696	4,10167	4,085078	3,994767333	-0,09031067	0,939320456	---	
17494172	6,333636	5,872457	6,051974	6,079347	5,861957	6,045843	6,0860223	5,995715667	-0,09030667	0,939323061	Olfr605	
17286621	8,086295	8,390924	8,224762	7,952847	8,205016	8,273236	8,2339937	8,143699667	-0,090294	0,939331308	Riok1	
17219635	3,396189	3,398858	2,931213	3,315989	3,201069	2,938354	3,2420867	3,151804	-0,09028267	0,939338687	Olfr1404	
17517284	4,297938	4,635548	4,719513	4,224157	4,712074	4,445932	4,5509997	4,460721	-0,09027867	0,939341291	4930510E17Rik	
17468247	5,080916	4,780684	4,763368	4,873654	4,744238	4,73634	4,8749893	4,784744	-0,09024533	0,939362995	1700124L16Rik	
17384744	5,238805	4,567476	5,119474	4,855337	4,944472	4,855223	4,9752517	4,885010667	-0,090241	0,93936581	Rpl35	
17270134	9,473633	9,486115	9,456685	9,281235	9,449537	9,414951	9,4721443	9,381907667	-0,09023667	0,939368638	Ubtf	
17265777	3,085324	3,106743	3,112412	3,01881	2,989898	3,025112	3,101493	3,011273333	-0,09021967	0,939379707	Olfr381	
17299170	6,221434	6,037578	5,807096	5,953419	5,848556	5,993499	6,022036	5,931824667	-0,09021133	0,939385133	---	
17348681	4,10494	3,643431	3,645057	3,911424	3,669239	3,542147	3,7978093	3,707603333	-0,090206	0,939388606	---	
17366618	5,3617	5,045296	5,079557	5,163856	5,016524	5,035644	5,1621843	5,072008	-0,09017633	0,939407923	Gm13391	
17213948	3,986138	3,831938	3,882071	3,717883	3,945465	3,766322	3,900049	3,80989	-0,090159	0,93941921	---	
17530229	4,740752	4,554061	4,411414	4,540465	4,338616	4,556704	4,5687423	4,478595	-0,09014733	0,939426807	---	
17276921	4,322744	4,398795	4,470006	4,165111	4,341532	4,414486	4,3971817	4,307043	-0,09013867	0,93943245	Mir3067	
17380021	7,201044	7,437256	7,284966	7,354964	7,09384	7,204095	7,3077553	7,217633	-0,09012233	0,939443086	Tshz2	
17549258	4,14837	4,032986	4,221393	3,968956	4,267909	3,895531	4,1342497	4,044132	-0,09011767	0,939446125	---	
17493130	3,533375	3,524001	3,309125	3,309125	3,333663	3,453524	3,4555003	3,365437333	-0,090063	0,939481723	Olfr307	
17391598	7,758973	8,074166	8,035746	7,852384	8,033831	7,712517	7,956295	7,866244	-0,090051	0,939489537	Snrpb	
17284362	6,946078	5,852214	7,008779	6,94346	5,784373	6,809098	6,602357	6,512310333	-0,09004667	0,939492359	---	
17465006	5,147246	5,196599	4,914411	4,898553	5,25262	4,836969	5,0860853	4,996047333	-0,090038	0,939498003	Cttnbp2	
17324643	9,657091	9,690752	9,565665	9,658111	9,538761	9,446526	9,637836	9,547799333	-0,09003667	0,939498871	Bdh1	
17260727	4,086697	3,865195	3,779699	3,820001	3,905498	3,735993	3,9105303	3,820497333	-0,090033	0,939501259	1700046C09Rik	
17267775	8,073426	8,1609	7,958091	7,901636	8,009848	8,010863	8,064139	7,974115667	-0,09002333	0,939507554	Utp18	
17390212	4,848305	5,003894	4,865646	4,751144	4,795873	4,900802	4,9059483	4,815939667	-0,09000867	0,939517105	4931402G19Rik	
17536351	2,945141	2,884955	2,954356	2,914432	2,786486	2,813553	2,9281507	2,838157	-0,08999367	0,939526874	---	
17291104	3,665661	3,862282	3,763465	3,706432	3,624891	3,690166	3,7638027	3,673829667	-0,089973	0,939540333	Vmn1r212	
17356974	5,914707	6,046886	6,099034	5,895497	6,014309	5,880916	6,020209	5,930240667	-0,08996833	0,939543372	Bad	
17279001	7,213491	7,188722	7,423834	7,223532	7,185995	7,14662	7,275349	7,185382333	-0,08996667	0,939544457	Wdr20a	
17353206	3,750995	3,625718	3,458067	3,52316	3,520871	3,520871	3,6115933	3,521634	-0,08995933	0,939549233	4930578E11Rik	
17486418	3,985568	3,169087	3,773747	3,809298	3,272153	3,577105	3,6428007	3,552852	-0,08994867	0,939556179	Vmn2r51	
17288876	10,07393	10,08689	9,84771	9,743311	9,845961	10,14947	10,002843	9,912914	-0,08992933	0,93956877	Arrdc3	

17256991	4,878481	5,072253	5,138391	5,048123	4,818408	4,952814	5,0297083	4,939781667	-0,08992667	0,939570507	Adam11	
17489318	5,111254	5,299341	5,001929	4,890472	5,005328	5,24698	5,137508	5,047593333	-0,08991467	0,939578322	Ffar1	
17268066	5,753893	5,892159	6,357214	6,031772	5,564963	6,1369	6,0010887	5,911211667	-0,089877	0,939602854	Gm11545	
17448048	3,380836	3,341731	3,149996	3,251763	3,228719	3,122548	3,2908543	3,20101	-0,08984433	0,939624129	---	
17207733	4,201062	4,571285	4,013588	4,216593	3,840996	4,458817	4,2619783	4,172135333	-0,089843	0,939624998	---	
17497113	7,186318	7,2554	7,271262	7,123576	6,973019	7,346867	7,23766	7,147820667	-0,08983933	0,939627386	Fam53b	
17258239	7,533433	7,643871	7,610035	7,404257	7,561136	7,552434	7,5957797	7,505942333	-0,08983733	0,939628688	Nup85	
17200007	4,688221	4,49994	4,843276	4,646002	4,951439	4,164516	4,6771457	4,587319	-0,08982667	0,939635635	---	
17548658	11,91694	11,97377	11,92907	11,84819	11,82641	11,8757	11,939927	11,8501	-0,08982667	0,939635635	Prdx1	
17453383	6,839641	6,806307	6,849168	6,605008	6,952922	6,667719	6,8317053	6,741883	-0,08982233	0,939638458	Clip2	
17233319	3,917459	3,822448	3,933169	3,745059	3,846551	3,81202	3,8910253	3,80121	-0,08981533	0,939643017	Gm19395	
17431516	6,543557	6,720467	6,877689	6,75287	6,594749	6,524667	6,7139043	6,624095333	-0,089809	0,939647142	1110049F12Rik	
17399396	5,942345	5,824327	5,922597	5,842827	5,852558	5,724464	5,896423	5,806616333	-0,08980667	0,939648662	Dpm3	
17366726	3,977548	4,177511	3,6498	3,763304	3,736143	4,036045	3,934953	3,845164	-0,089789	0,939660168	---	
17345586	7,634098	8,074258	7,638956	7,720108	7,524742	7,833115	7,7824373	7,692655	-0,08978233	0,93966451	Rpl7l1	
17543196	7,863093	7,928779	7,856367	7,827222	7,779035	7,772655	7,8827463	7,792970667	-0,08977567	0,939668853	Pdk3	
17296723	4,765866	4,710527	4,352681	4,58688	4,234313	4,738599	4,6096913	4,519930667	-0,08976067	0,939678623	Gm3099	
17447487	7,79993	7,924925	8,047708	7,715585	7,652339	8,13538	7,9241877	7,834434667	-0,089753	0,939683616	D5Ertd579e	
17302925	4,471529	4,145231	4,29995	4,350208	4,231168	4,066106	4,30557	4,215827333	-0,08974267	0,939690347	---	
17424878	3,905532	3,798257	3,783429	3,568559	3,654606	3,994832	3,8290727	3,739332333	-0,08974033	0,939691867	---	
17294222	10,28773	10,59229	10,39464	10,29202	10,34326	10,37018	10,424887	10,33515333	-0,08973333	0,939696426	Rpl9	
17392180	3,216401	3,321361	3,291984	3,104869	3,214795	3,240954	3,276582	3,186872667	-0,08970933	0,939712058	---	
17244942	4,09749	4,393693	4,545407	4,226491	4,252141	4,28883	4,34553	4,255820667	-0,08970933	0,939712058	LOC629206	
17399432	8,774069	8,605065	8,669374	8,71994	8,485014	8,574484	8,682836	8,593146	-0,08969	0,939724651	Shc1	
17221999	3,105596	3,401938	3,115571	3,000116	3,322122	3,031811	3,2077017	3,118016333	-0,08968533	0,939727691	---	
17251714	5,007629	4,721173	4,912745	4,739909	4,8301	4,802505	4,8805157	4,790838	-0,08967767	0,939732685	Sox15	
17435920	7,553325	7,722005	7,716222	7,736862	7,509562	7,476111	7,6638507	7,574178333	-0,08967233	0,939736159	Emilin1	
17265773	3,255342	3,552757	3,447371	3,219921	3,407447	3,359088	3,41849	3,328818667	-0,08967133	0,93973681	Olfr380	
17392625	5,935463	5,675314	6,489974	5,967426	5,899497	5,964851	6,0335837	5,943924667	-0,089659	0,939744844	---	
17301722	8,775862	8,739609	8,948561	8,586235	8,794219	8,814685	8,821344	8,7317 13	-0,089631	0,939763083	Bin3	
17306975	9,189091	9,443568	9,512834	9,116802	9,623922	9,135886	9,381831	9,292203333	-0,08962767	0,939765254	Ctsg	
17254249	8,664972	8,874986	8,944723	8,798005	8,702128	8,715698	8,828227	8,738610333	-0,08961667	0,93977242	Taf15	
17289426	11,3193	11,51585	11,46299	11,3422	11,30255	11,38454	11,432713	11,34309667	-0,08961667	0,93977242	Gm5453	
17399235	6,196982	5,869539	5,452975	5,892109	5,772684	5,585917	5,839832	5,750236667	-0,08959533	0,939786316	---	
17204241	3,82331	3,377376	3,777542	3,662359	3,575781	3,47133	3,6594093	3,569823333	-0,089586	0,939792396	---	
17361850	6,798323	6,622371	6,753011	6,44887	6,927674	6,528408	6,7245683	6,634984	-0,08958433	0,939793482	Cdc42ep2	
17462191	10,30886	10,30527	10,24281	10,14579	10,19041	10,25201	10,285647	10,19607	-0,08957667	0,939798476	Hnrnpf	
17472070	7,07276	6,982289	6,671432	6,985937	7,06468	6,407177	6,908827	6,819264667	-0,08956233	0,939807813	LOC100861778	
17243868	7,253974	7,353079	7,456748	7,233254	7,323276	7,238593	7,3546003	7,265041	-0,08955933	0,939809767	Dram1	
17471278	6,124973	6,400757	6,21307	6,060532	6,193721	6,215918	6,2462667	6,156723667	-0,089543	0,939820407	Tead4	
17201789	3,951777	3,906527	4,873976	3,8252	4,398959	4,239505	4,2440933	4,154554667	-0,08953867	0,93982323	---	
17201965	3,951777	3,906527	4,873976	3,8252	4,398959	4,239505	4,2440933	4,154554667	-0,08953867	0,93982323	---	
17419041	4,710081	5,356791	5,235385	5,021388	5,084404	4,927921	5,1007523	5,011237667	-0,08951467	0,939838865	---	
17236729	4,79235	4,652568	4,750044	4,801911	4,677276	4,447258	4,731654	4,642148333	-0,08950567	0,939844728	2310039L15Rik // 2310039L15Rik	
17289889	10,06456	10,34943	9,98879	10,11517	10,04613	9,973011	10,13426	10,04477033	-0,08948967	0,939855151	Il6st	
17438315	9,566895	9,312428	9,700294	9,531434	9,615206	9,164543	9,526539	9,437061	-0,089478	0,939862751	---	
17412679	6,02252	5,256446	5,527742	5,467417	5,580009	5,490955	5,602236	5,512793667	-0,08944233	0,939885987	---	
17218290	4,029437	3,921883	4,174863	4,129992	3,903356	3,824565	4,042061	3,952637667	-0,08942333	0,939898365	1700012A16Rik	
17450477	3,879382	3,725409	3,565898	3,673854	3,62106	3,607513	3,723563	3,634142333	-0,08942067	0,939900103	Gbp6	
17278509	3,919369	4,159437	4,161451	4,12982	3,987657	3,854543	4,0800857	3,990673333	-0,08941233	0,939905532	---	
17524351	3,449318	2,973156	3,040533	3,100718	3,110076	2,98402	3,1543357	3,064938	-0,08939767	0,939915087	Olfr866	
17341769	7,852484	7,773835	8,101089	7,880764	7,764581	7,813891	7,909136	7,819745333	-0,08939067	0,939919648	1600002H07Rik	
17202013	3,379627	3,514088	3,473115	3,491082	3,16218	3,445403	3,45561	3,366221667	-0,08938833	0,939921168	---	
17335352	5,552476	5,355251	5,664983	5,384924	5,322466	5,597229	5,5242367	5,434873	-0,08936367	0,939937238	Gm749	
17444080	9,884326	9,960605	9,952396	9,79022	9,875665	9,863362	9,9324423	9,843082333	-0,08936	0,939939627	Eif3b	
17536566	8,455941	8,599126	8,518496	8,362566	8,446192	8,496727	8,524521	8,435161667	-0,08935933	0,939940062	Kif4	
17355298	4,306694	4,403553	4,161698	4,005245	4,488059	4,110596	4,2906483	4,2013	-0,08934833	0,939947228	2310002L13Rik	
17322485	9,624564	9,658249	9,369542	9,309422	9,336991	9,737915	9,550785	9,461442667	-0,08934233	0,939951137	---	
17362453	9,785621	9,912494	9,941534	9,804302	9,771282	9,796067	9,879883	9,790550333	-0,08933267	0,939957436	Slc3a2	
17507910	6,743927	6,539631	6,879886	6,757161	6,465245	6,673157	6,721148	6,631854333	-0,08929367	0,939982846	Defa-rs1	
17359327	4,308971	4,655068	4,53857	4,602688	4,381763	4,250334	4,5008697	4,411595	-0,08927467	0,939995225	Cyp2c50	
17317127	4,287722	4,470886	4,423817	4,343727	4,331698	4,239192	4,3941417	4,304872333	-0,08926933	0,9399987	Gm9920	
17282104	8,965373	8,909944	8,653026	8,580467	8,873299	8,806795	8,842781	8,753520333	-0,08926067	0,940004347	Atp6v1d	
17398769	6,435476	6,394434	6,846027	6,492631	6,661671	6,253863	6,5586457	6,469388333	-0,08925733	0,940006519	Etv3	
17210603	4,167847	4,703875	4,88258	4,474335	4,667941	4,344295	4,5847673	4,495523667	-0,08924367	0,940015423	---	
17240181	5,845554	5,797359	5,716978	5,694596	5,822037	5,57559	5,7866303	5,697407667	-0,08922267	0,940029106	Fam26e	
17357513	8,873091	8,907179	8,865034	9,114666	8,585087	8,6779	8,881768	8,792551	-0,089217	0,940032799	---	
17300193	4,264005	4,55896	4,901934	4,34285	4,368284	4,746239	4,5749663	4,485791	-0,08917533	0,940059948	---	
17542834	3,579487	3,545342	3,382039	3,410718	3,530337	3,298378	3,5022893	3,413144333	-0,089145	0,940079714	---	
17352462	10,25768	10,13883	10,18461	10,13481	10,02542	10,15346	10,193707	10,10456333	-0,08914333	0,9400808	Kif5b	
17355508	5,864371	5,934381	6,292443	5,955895	6,035314	5,832556	6,0303983	5,941255	-0,08914333	0,9400808	St8sia5	
17468417	5,76513	5,88236	6,323977	6,118872	5,802687	5,782489	5,990489	5,901349333	-0,08913967	0,940083189	Cml3	
17496063	7,845575	7,789404	7,909112	7,733444	7,737474	7,805756	7,8480303	7,758891333	-0,089139	0,940083623	Gtf3c1	
17299341	8,406042	8,438438	8,393354	8,273476	8,311928	8,385037	8,4126113	8,323480333	-0,089131	0,940088836	Fbxo34	
17362494	8,618947	8,73833	8,504858	8,603175	8,534504	8,457103	8,6207117	8,531594	-0,08911767	0,940097525	Polr2g	
17435162	6,373798	6,35386	6,397434	6,253693	6,417509	6,186665	6,3750307	6,285955667	-0,089075	0,940125328	---	
17201235	3,50324	2,845885	3,284574	2,790239	3,311191	3,26505	3,211233	3,12216	-0,089073	0,940126631	---	
17264117	5,075669	5,006129	4,913139	4,89917	4,941135	4,887462	4,9983123	4,909255667	-0,08905667	0,940137275	Hs3st3a1 // Hs3st3a1	
17369540	7,600193	7,677869	7,670548	7,652278	7,561472	7,467704	7,6495367	7,560484667	-0,089052	0,940140316	Exosc2	
17472306	3,260478	3,502118	3,391683	3,213682	3,302967	3,370508	3,3847597	3,295719	-0,08904067	0,940147701	---	
17203213	5,656744	5,009623	5,219699	5,443586	4,959338	5,216028	5,2953553	5,206317333	-0,089038	0,940149439	---	
17372066	4,071806	3,970492	4,196368	4,094381	4,023367	3,853819	4,0795553	3,990522333	-0,089033	0,940152697	Hoxd9	
17204181	5,398071	4,481506	3,832037	4,654041	4,481506	4,308971	4,570538	4,481506	-0,089032	0,940153349	---	
17547575	5,541112	5,217647	5,02413	5,118038	5,192121	5,205644	5,260963	5,171934333	-0,08902867	0,940155521	---	
17478985	8,816011	8,952856	8,912506	8,764252	8,801693	8,848351	8,893791	8,804765333	-0,08902567	0,940157476	Snrpa1	
17467068	4,202971	4,32195	4,562995	4,294537	4,286422	4,240024	4,3626387	4,273661	-0,08897767	0,940188757	Neurod6	
17444464	7,947461	8,031228	7,90961	7,953262	7,792871	7,875261	7,9627663	7,873798	-0,08896833	0,940194839	Lmtk2	
17494692	3,520694	3,429365	3,39808	3,327935	3,36801	3,385313	3,4493797	3,360419333	-0,08896033	0,940200053	Olfr697	
17308128	4,072678	4,001227	4,011456	3,953678	3,813317	4,051528	4,0284537	3,939507667	-0,088946	0,940209394	Nkx2-6	
17311853	5,861537	5,701035	5,67189	5,813371	5,666965	5,487342	5,7448207	5,655892667	-0,088928	0,940221125	Pvt1	
17249965	6,909284	7,006453	6,816634	6,748098	6,823553	6,893937	6,9107903	6,821862667	-0,08892767	0,940221342	Mrpl22	
17286505	4,604662	4,570899	4,511664	4,536092	4,538151	4,346217	4,5624083	4,473486667	-0,08892167	0,940225252	---	
17396702	7,463439	7,700677	7,609591	7,501153	7,340218	7,665587	7,5912357	7,502319333	-0,08891633	0,940228728	Zfp639	
17479974	5,310154	5,090486	5,254982	5,014243	5,049694	5,32499	5,2185407	5,129642333	-0,08889833	0,940240459	Nox4	
17327909	6,515432	6,385213	6,776529	6,29297	6,630532	6,487015	6,559058	6,470172333	-0,08888567	0,940248714	Ppl	
17294736	3,44605	3,481405	3,384278	3,40667	3,241859	3,39663	3,4372443	3,348386333	-0,088858	0,940266745	---	
17548411	3,984634	3,849521	4,148782	3,967732	4,003275	3,745364	3,9943123	3,905457	-0,08885533	0,940268483	Hpse // Hpse	
17346572	7,37558	7,501348	7,397169	7,329618	7,418289	7,259653	7,424699	7,335853333	-0,08884567	0,940274784	Gpr108	
17283242	5,445743	5,530329	5,442743	5,329158	5,411551	5,411607	5,4729383	5,384105333	-0,088833	0,940283039	Calm1 // Calm1	
17502369	3,631996	4,308394	4,277862	3,826309	3,966475	4,15904	4,0727507	3,983941333	-0,08880933	0,940298464	Olfr373	
17477046	5,04596	5,103083	4,267396	4,46732	4,967545	4,715159	4,8054797	4,716674667	-0,088805	0,940301289	Zfp936	
17426638	6,131202	5,927481	6,062025	6,01319	5,931301	5,909873	6,040236	5,951454667	-0,08878133	0,940316714	Ptprd	
17324742	4,207991	4,498294	4,526597	4,079494	4,519218	4,367837	4,4109607	4,322183	-0,08877767	0,940319104	---	
17399162	6,692445	6,593073	6,735004	6,660524	6,488591	6,605104	6,6735073	6,584739667	-0,08876767	0,940325621	---	
17237033	6,174708	5,727269	5,984449	6,309376	5,284494	6,026274	5,962142	5,873381333	-0,08876067	0,940330184	---	
17333373	5,422374	5,226936	5,286702	5,309835	5,083637	5,276294	5,312004	5,223255333	-0,08874867	0,940338005	Gm10512	
17380790	7,043097	7,165236	7,159233	6,973188	7,095603	7,032537	7,122522	7,033776	-0,088746	0,940339744	1600027N09Rik	
17503559	8,69014	8,505257	8,469756	8,398598	8,506033	8,494287	8,555051	8,466306	-0,088745	0,940340395	Tmem188	
17499155	5,320683	5,231346	5,542781	5,190142	5,383845	5,254624	5,3649367	5,276203667	-0,088733	0,940348217	Mcf2l	
17275865	2,858603	2,822368	2,815713	2,741793	2,733837	2,754883	2,832228	2,743504333	-0,08872367	0,9403543	---	
17358240	5,149415	4,937745	5,347299	4,956017	5,218723	4,99363	5,1448197	5,056123333	-0,08869633	0,940372117	Apba1	
17309979	3,936388	3,796945	3,761326	3,715572	3,677166	3,835832	3,831553	3,742856667	-0,08869633	0,940372117	---	
17545181	4,256069	3,931544	3,767509	4,006127	3,957932	3,724993	3,9850407	3,896350667	-0,08869	0,940376245	Il13ra2	
17276151	6,296416	6,226616	6,261629	6,2423	6,136753	6,13955	6,2615537	6,172867667	-0,088686	0,940378852	---	
17355439	3,317093	3,274019	3,14325	3,199539	3,190172	3,078648	3,2447873	3,156119667	-0,08866767	0,940390802	---	
17375590	6,856073	6,479128	6,511718	6,441118	6,86525	6,27458	6,6156397	6,526982667	-0,088657	0,940397755	Slc24a5	
17399995	9,990695	9,968868	9,989538	9,898449	9,941128	9,843615	9,9830337	9,894397333	-0,08863633	0,940411226	S100a11	
17410830	10,39427	10,52347	10,31	10,21948	10,28815	10,45423	10,409247	10,32062	-0,08862667	0,940417528	Sh3glb1	
17370475	4,337047	4,722329	4,727789	4,48449	4,667425	4,369371	4,5957217	4,507095333	-0,08862633	0,940417745	4933433P16Rik	
17268454	6,865228	6,993674	6,934349	6,712248	6,942617	6,872518	6,9310837	6,842461	-0,08862267	0,940420135	Tbkbp1	
17333323	11,35114	11,41812	11,40053	11,29343	11,31196	11,29855	11,38993	11,30131333	-0,08861667	0,940424046	Tcp1	
17285330	3,944052	3,773582	3,939954	3,715285	3,896201	3,780259	3,8858627	3,797248333	-0,08861433	0,940425567	---	
17466798	4,393095	4,171437	4,198758	4,3381	4,065898	4,093457	4,25443	4,165818333	-0,08861167	0,940427305	Hoxa1	
17427746	7,856902	8,191957	7,538759	7,498833	7,737704	8,08526	7,8625393	7,773932333	-0,088607	0,940430347	Prkaa2	
17337467	4,63462	4,590425	5,067655	4,686779	4,797484	4,542654	4,7642333	4,675639	-0,08859433	0,940438604	Trim31	
17382709	4,905787	4,920561	5,031929	4,724065	4,957151	4,911325	4,952759	4,864180333	-0,08857867	0,940448817	4921530D09Rik	
17471087	5,309543	5,293654	6,002158	5,617781	5,173378	5,548671	5,5351183	5,44661	-0,08850833	0,940494666	Tuba3a	
17339989	11,21221	11,6711	11,33986	11,18445	11,24774	11,52555	11,407723	11,31924667	-0,08847667	0,94051531	---	
17395863	5,955408	6,083239	6,09748	5,943594	5,913657	6,013567	6,0453757	5,956939333	-0,08843633	0,940541604	Zbtb46	
17395488	9,915744	9,870528	9,949515	9,871228	9,804722	9,794533	9,911929	9,823494333	-0,08843467	0,940542691	Psma7	
17341326	4,266972	4,163429	3,810003	4,104387	4,056093	3,814625	4,0801347	3,991701667	-0,088433	0,940543777	Vmn2r109	
17516410	3,433285	4,38788	4,154015	4,239733	3,803376	3,666818	3,9917267	3,903309	-0,08841767	0,940553774	Mirlet7a-2	
17232901	5,321703	5,493867	5,387798	5,303616	5,356805	5,277694	5,4011227	5,312705	-0,08841767	0,940553774	Ccdc162	
17201191	8,987859	8,789401	8,606706	8,527807	8,767662	8,823313	8,7946553	8,706260667	-0,08839467	0,940568768	---	

17275752	4,455984	4,703453	4,830429	4,69815	4,307758	4,71883	4,6632887	4,574912667	-0,088376	0,940580938	---
17295944	9,526536	9,810249	9,749282	9,794269	9,414731	9,612016	9,6953557	9,607005333	-0,08835033	0,940597672	Ppwd1
17481602	4,580116	4,093265	4,778034	4,397479	4,442436	4,346474	4,483805	4,395463	-0,088342	0,940603105	Olfr479
17246469	4,312866	4,415703	4,431814	4,348691	4,236499	4,310176	4,3867943	4,298455333	-0,088339	0,940605061	Neurod4
17519598	10,2836	10,17444	9,92661	9,973085	9,944064	10,20249	10,128217	10,03987967	-0,088337	0,940606365	Elovl5
17549264	3,994832	3,862058	4,122611	3,892678	4,09056	3,731306	3,993167	3,904848	-0,088319	0,940618101	---
17457860	3,2112	3,204973	3,585675	3,197971	3,376839	3,162102	3,3339493	3,245637333	-0,088312	0,940622665	Sval3
17234963	6,929614	6,730471	7,02451	6,905689	6,691391	6,822583	6,894865	6,806554333	-0,08831067	0,940623534	Palm
17524578	7,805891	7,468502	7,607405	7,472789	7,417717	7,726367	7,627266	7,538957667	-0,08830833	0,940625055	S1pr2
17526175	7,679923	7,579951	7,664618	7,562538	7,529361	7,567672	7,6414973	7,553190333	-0,088307	0,940625925	Abcg4
17302565	5,031107	4,609341	4,650996	4,817707	4,57366	4,635168	4,7638147	4,675511667	-0,088303	0,940628533	4930449E01Rik
17300108	3,68416	3,494044	3,529236	3,536081	3,57545	3,331002	3,5691467	3,480844333	-0,08830233	0,940628967	---
17517500	8,038686	8,183117	8,038646	8,016882	7,949936	8,028727	8,0868163	7,998515	-0,08830133	0,940629619	Fbxo22
17238884	5,37318	5,107877	5,572832	5,646502	5,093684	5,048887	5,3512963	5,263024333	-0,088272	0,940648745	Syne1
17541234	9,635643	9,825068	9,684994	9,626028	9,640321	9,614645	9,715235	9,626998	-0,088237	0,940671565	Thoc2
17200451	7,280706	6,902288	7,096314	6,853743	7,168031	6,992846	7,0931027	7,004873333	-0,08822933	0,940676564	---
17372929	3,375086	3,274917	3,303476	3,276738	3,23939	3,172688	3,3178263	3,229605333	-0,088221	0,940681998	Olfr1206
17371800	7,828024	7,866006	7,661141	7,601602	7,698765	7,790144	7,785057	7,696837	-0,08822	0,94068265	Itga6
17300175	3,729382	3,914159	4,043947	3,712167	3,821963	3,888749	3,8958293	3,807626333	-0,088203	0,940693734	---
17266004	6,210594	6,074866	6,113323	6,056808	6,010276	6,067108	6,1329277	6,044730667	-0,088197	0,940697646	4931413K12Rik
17465601	3,426133	2,96274	3,02564	3,067315	3,001409	3,081214	3,138171	3,049979333	-0,08819167	0,940701124	Mir29a
17284546	2,984589	2,9347	2,898438	2,84338	2,892934	2,816844	2,9392423	2,851052667	-0,08818967	0,940702428	---
17391483	2,748616	2,774894	2,703882	2,64032	2,85296	2,469585	2,742464	2,654288333	-0,08817567	0,940711557	---
17548746	7,35735	7,6226	7,420108	7,352509	7,467735	7,315289	7,466686	7,378511	-0,088175	0,940711992	Bace1
17389855	5,562037	5,626168	5,779818	5,557806	5,486494	5,659232	5,6560077	5,567844	-0,08816367	0,940719381	Gm14207
17327445	3,861115	4,046733	3,749763	3,843302	3,861594	3,688226	3,8858703	3,797707333	-0,088163	0,940719816	Dennd1b // Dennd1b
17500712	4,042219	3,994832	3,909283	3,955553	3,507	4,219323	3,9821113	3,893958667	-0,08815267	0,940726554	Adam39
17430503	8,466455	8,224139	8,312379	8,227068	8,249617	8,261837	8,3343243	8,246174	-0,08815033	0,940728076	Kpna6
17310944	7,613887	7,644057	7,639311	7,577409	7,520471	7,534926	7,6324183	7,544268667	-0,08814967	0,94072851	BC030476
17300047	3,137005	3,453762	3,042141	3,103815	3,205635	3,059058	3,2109693	3,122836	-0,08813333	0,940739161	---
17373844	4,667575	4,391696	4,836287	4,419657	4,620159	4,591343	4,6318527	4,543719667	-0,088133	0,940739378	4930500J02Rik
17352241	4,279181	3,885451	3,945994	4,00406	3,958135	3,884038	4,0368753	3,948744333	-0,088131	0,940740682	Fbxo15
17333023	7,366968	7,343008	7,54401	7,412299	7,324246	7,253055	7,4179953	7,329866667	-0,08812867	0,940742204	Tagap
17416811	10,22026	9,096155	9,839921	9,359275	9,742532	9,79025	9,7187787	9,630685667	-0,088093	0,940765461	Mir761
17204503	3,701234	3,420386	4,008785	3,548768	3,416859	3,900521	3,710135	3,622049333	-0,08808567	0,940770243	---
17404570	5,087086	4,931187	4,960376	4,883693	4,804296	5,026422	4,992883	4,904803667	-0,08807933	0,940774373	Slc7a14
17486230	6,34603	6,209235	5,68895	5,862743	6,151468	5,965845	6,081405	5,993352	-0,088053	0,940791545	Vmn2r34
17428416	3,07701	2,990322	3,311422	3,179586	2,913267	3,021807	3,1262513	3,03822	-0,08803133	0,940805674	---
17317417	2,92663	2,872248	2,86849	2,732264	2,667882	3,003163	2,8891227	2,801103	-0,08801967	0,940813282	---
17349960	3,151703	3,105	3,427284	3,180761	3,183612	3,055588	3,2279957	3,139987	-0,08800867	0,940820456	---
17479751	3,245778	3,162516	3,437189	3,168385	3,057679	3,355415	3,2818277	3,193826333	-0,08800133	0,940825238	---
17324400	7,443979	7,754499	7,254472	7,433339	7,407407	7,348228	7,4843167	7,396324667	-0,087992	0,940831325	Eif4a2
17473219	6,760883	6,56691	6,729793	6,542663	6,904063	6,346921	6,685862	6,597882333	-0,08797967	0,940839368	Tsen34
17494465	4,33775	4,16133	4,424679	4,218918	4,239715	4,201194	4,3079197	4,219942333	-0,08797733	0,940840889	Olfr683
17285691	12,91119	12,97069	13,05403	12,92722	12,87814	12,86664	12,978637	12,89066667	-0,08797	0,940845672	Hist1h2be // Hist1h2be
17262836	7,670749	7,593932	7,48959	7,455945	7,456832	7,577593	7,584757	7,49679	-0,087967	0,940847628	Cdc42se2
17232231	5,585844	5,377054	5,377054	5,509459	5,165447	5,401154	5,4466507	5,358686667	-0,087964	0,940849585	---
17357943	3,230191	2,93368	3,025593	3,020747	2,949843	2,954985	3,0631547	2,975191667	-0,087963	0,940850237	Olfr1496
17360486	7,634968	7,623696	7,740126	7,627235	7,548134	7,559627	7,6662633	7,578332	-0,08793133	0,940870888	Vti1a
17526102	8,755588	8,736156	8,872244	8,725522	8,650652	8,724056	8,787996	8,700076667	-0,08791933	0,940878714	Oaf
17299483	3,558265	3,497375	3,475955	3,407954	3,409311	3,450635	3,5105317	3,422633333	-0,08789833	0,94089241	Olfr738
17449288	3,579143	3,482278	3,793746	3,33699	3,723583	3,530913	3,618389	3,530495333	-0,08789367	0,940895453	Tmprss11bnl
17302096	4,797404	4,758811	4,780351	4,7748	4,679655	4,618475	4,7788553	4,690976667	-0,08787867	0,940905236	1700108F19Rik
17263151	5,452507	5,236476	5,239749	5,167717	5,233674	5,263713	5,3095773	5,221701333	-0,087876	0,940906975	Olfr332
17279858	5,130893	5,505965	5,50282	5,181814	5,11258	5,581693	5,3798927	5,292029	-0,08786367	0,940915019	Fkbp1b
17218254	10,44579	10,15134	10,43375	9,990516	10,34644	10,43035	10,343627	10,25576867	-0,087858	0,940918715	Arpc5
17248929	8,181353	8,21497	8,070415	7,99616	8,148505	8,058571	8,1555793	8,067745333	-0,087834	0,940934367	Zfp62
17515425	7,934858	8,2016	7,954667	7,87358	7,887228	8,066836	8,030375	7,942548	-0,087827	0,940938933	Zfp809
17282950	3,382125	3,322151	3,118261	3,275945	3,222264	3,06086	3,274179	3,186356333	-0,08782267	0,940941759	Gm5662
17548317	5,950534	5,867685	6,070727	5,795983	5,880708	5,948813	5,962982	5,875168	-0,087814	0,940947412	Alpl // Alpl
17202767	5,36378	4,533774	4,209667	4,136995	4,954546	4,752266	4,702407	4,614602333	-0,08780467	0,940953499	---
17291866	8,240011	8,332898	8,144796	8,200552	8,223338	8,030411	8,239235	8,151433667	-0,08780133	0,940955673	Lyrm4
17221991	3,348307	3,175475	2,961898	3,102503	3,044428	3,075376	3,1618933	3,074102333	-0,087791	0,940962413	---
17368286	6,904253	6,944724	7,218788	6,935369	6,905148	6,963909	7,0225883	6,934808667	-0,08777967	0,940969805	Snapc4
17366894	3,441271	3,49314	3,571401	3,53977	3,507665	3,195064	3,5019373	3,414166333	-0,087771	0,940975457	Mir467d // Mir467d
17320037	4,295498	4,436283	4,391947	4,391801	4,281214	4,187431	4,374576	4,286815333	-0,08776067	0,940982197	Smc1b
17497847	6,363756	6,137212	6,087399	6,061664	6,126312	6,137122	6,1961223	6,108366	-0,08775633	0,940985024	Sct
17550520	4,629338	4,641184	4,811012	4,650927	4,552937	4,614406	4,6938447	4,60609	-0,08775467	0,940986111	---
17208707	6,236337	6,029138	6,262388	5,979693	6,204785	6,080127	6,1759543	6,088201667	-0,08775267	0,940987415	---
17254681	9,205551	9,251026	9,275382	9,036259	9,152208	9,280235	9,2439863	9,156234	-0,08775233	0,940987632	Trim37
17380057	4,560723	4,291697	4,567141	4,399512	4,336522	4,420289	4,473187	4,385441	-0,087746	0,940991763	---
17332375	3,320875	3,755152	4,220496	3,790259	3,520077	3,723029	3,7655077	3,677788333	-0,08771933	0,941009157	2810404F17Rik
17210193	5,485625	5,62503	5,908525	5,544214	5,596985	5,61485	5,67306	5,585349667	-0,08771033	0,941015027	---
17281099	9,065347	8,968643	8,688776	8,658102	8,789297	9,01228	8,9075887	8,819893	-0,08769567	0,941024594	1110002B05Rik
17482124	7,09482	6,772187	6,96173	7,008142	6,479467	7,07814	6,9429123	6,855249667	-0,08766267	0,941046119	---
17486408	4,274762	4,249352	3,833711	3,988398	4,157575	3,948879	4,119275	4,031617333	-0,08765767	0,94104938	---
17204709	5,450083	5,734704	4,854647	5,624491	4,927105	5,224879	5,346478	5,258825	-0,087653	0,941052424	---
17516292	3,245775	3,190593	3,318065	3,124974	3,289198	3,077317	3,2514777	3,163829667	-0,087648	0,941055686	Olfr229
17517842	5,646514	5,573137	5,698242	5,521851	5,539999	5,593167	5,6392977	5,551672333	-0,08762533	0,941070471	E330033L03
17316820	3,666974	3,396614	3,569298	3,692568	3,304783	3,372669	3,5442953	3,456673333	-0,087622	0,941072645	Gm10373
17514122	8,149568	8,365302	7,972238	7,908231	8,163663	8,152366	8,1623693	8,074753333	-0,087616	0,941076559	2810004N23Rik
17274731	5,130513	4,666709	4,632183	4,782368	4,869628	4,514576	4,8098017	4,722190667	-0,087611	0,941079821	---
17530000	8,292162	8,431758	8,209248	8,209394	8,322419	8,138526	8,311056	8,223446333	-0,08760967	0,94108069	Pik3cb
17397738	3,421383	3,906319	3,710678	3,647928	3,488134	3,639503	3,67946	3,591855	-0,087605	0,941083735	---
17535681	5,454216	5,390424	5,011518	5,054749	5,329918	5,208771	5,285386	5,197812667	-0,08757333	0,941104391	Srpk3
17299006	5,905962	5,600407	5,368938	5,618034	5,443665	5,550909	5,6251023	5,537536	-0,08756633	0,941108957	---
17241729	3,02624	3,058159	3,077847	3,027791	2,91732	2,954491	3,054082	2,966534	-0,087548	0,941120917	Phyhipl
17286228	6,395898	5,966991	6,902904	6,402583	6,430467	6,17012	6,421931	6,33439	-0,087541	0,941125483	---
17210747	7,923009	7,725697	7,807176	7,955173	7,446019	7,792068	7,8186273	7,731086667	-0,08754067	0,941125701	---
17381911	6,617369	6,467779	6,682836	6,334493	6,756685	6,41419	6,589328	6,501789333	-0,08753867	0,941127005	Nsun6
17341440	8,341324	8,367093	8,202965	8,021043	8,509745	8,117983	8,303794	8,216257	-0,087537	0,941128093	Zfp945
17442925	10,95933	10,94189	10,80859	10,81782	10,82354	10,80589	10,90327	10,81575	-0,08752	0,941139182	Cct6a
17439557	6,725638	6,739904	6,950196	6,618359	6,674786	6,860058	6,805246	6,717734333	-0,08751167	0,941144619	Hnrnpd
17508006	6,224973	5,758565	5,959675	5,933917	5,887905	5,858879	5,981071	5,893567	-0,087504	0,94114962	Nek3
17491600	3,727684	3,928884	3,760229	3,76194	3,519332	3,873028	3,805599	3,7181	-0,087499	0,941152882	---
17516562	4,121975	3,879827	3,852726	3,877498	3,91643	3,798146	3,9515093	3,864024667	-0,08748467	0,941162232	---
17270937	8,47884	8,684824	8,683016	8,603357	8,498604	8,482273	8,61556	8,528078	-0,087482	0,941163972	Pecam1
17222256	7,219402	7,284623	7,154468	7,34378	6,863627	7,18865	7,2194977	7,132019	-0,08747867	0,941166147	Actr1b
17234008	5,624152	5,504511	5,560867	5,246825	5,507421	5,672859	5,5631767	5,475701667	-0,087475	0,941168539	Rtkn2
17372133	4,327368	3,902451	3,923836	3,956778	4,02168	3,912779	4,0512183	3,963745667	-0,08747267	0,941170061	---
17317608	3,744872	3,762457	3,746733	3,729707	3,694433	3,567513	3,751354	3,663884333	-0,08746967	0,941172018	Lrrc6
17489813	5,704157	5,882441	5,916548	5,538674	5,816362	5,885829	5,834382	5,746955	-0,087427	0,941199853	Pdcd5
17287764	9,1229	9,005013	8,920109	8,845049	9,032469	8,908267	9,0160073	8,928595	-0,08741233	0,941209421	Txndc15
17293827	4,093158	4,168016	3,684593	3,981119	3,815403	3,887013	3,9819223	3,894511667	-0,08741067	0,941210509	2410141K09Rik
17492978	9,553156	9,595416	9,476115	9,451037	9,470521	9,440915	9,5415623	9,454157667	-0,08740467	0,941214423	Fam108c
17252878	6,144689	5,874791	5,931457	5,855362	5,986439	5,846924	5,9836457	5,896241667	-0,087404	0,941214858	Mir212
17499962	6,75041	7,045702	6,893574	6,808466	6,799355	6,819673	6,896562	6,809164667	-0,08739733	0,941219207	Plat
17216642	5,57306	5,736959	5,538308	5,510628	5,604999	5,470521	5,616109	5,528716	-0,087393	0,941222034	Sctr
17330797	3,353989	3,478672	3,090665	3,324249	3,14484	3,192079	3,3077753	3,220389333	-0,087386	0,941226601	---
17235320	12,25371	12,08816	12,09215	12,06538	12,00043	12,10607	12,144673	12,05729333	-0,08738	0,941230516	Reep6
17231717	8,167526	8,15857	8,194543	8,056476	8,046036	8,155995	8,1735463	8,086169	-0,08737733	0,941232255	Fuca2
17548520	9,342815	9,585629	9,393163	9,245366	9,485295	9,328864	9,4405357	9,353175	-0,08736067	0,941243129	Eif4a3 // Eif4a3
17304162	8,813695	8,748072	8,631486	8,595739	8,54245	8,793015	8,7310843	8,643734667	-0,08734967	0,941250306	D14Ertd449e
17436551	4,386183	4,160344	4,332775	3,937291	4,518168	4,16183	4,2931007	4,205763	-0,08733767	0,941258135	4930557J02Rik
17205367	6,499242	5,687692	6,713302	6,565696	5,9798	6,09276	6,3000787	6,212752	-0,08732667	0,941265312	---
17342793	7,76944	7,916369	7,854019	7,753142	7,782336	7,742373	7,8466093	7,759283667	-0,08732567	0,941265964	Taf11
17547865	8,215718	7,279025	8,133514	7,452933	8,084154	7,829233	7,8760857	7,788773333	-0,08731233	0,941274663	BC023969
17451244	5,436011	5,315099	5,539879	5,492338	5,253586	5,283236	5,4303297	5,343053333	-0,08727633	0,941298151	1700034G24Rik
17414340	6,560131	6,329507	6,660036	6,321156	6,439601	6,527094	6,516558	6,429283667	-0,08727433	0,941299456	---
17445659	3,250798	3,277759	3,302691	3,123372	3,294313	3,151775	3,2770827	3,18982	-0,08726267	0,941307068	Gm17019
17394100	4,01126	3,859557	3,803049	3,89813	3,837109	3,676865	3,8912887	3,804034667	-0,087254	0,941312723	---
17549000	8,223302	8,284646	8,170515	8,087011	8,159921	8,16978	8,2261543	8,138904	-0,08725033	0,941315115	B230369F24Rik
17379674	6,197745	6,131116	6,417775	6,251525	6,171842	6,061581	6,2488787	6,161649333	-0,08722933	0,941328817	---
17367531	3,800187	3,563344	3,47289	3,532008	3,565165	3,477579	3,6121403	3,524917333	-0,087223	0,94133295	Mir3967
17299816	3,301708	3,355829	3,172562	3,536709	2,985073	3,046665	3,2766997	3,189482333	-0,08721733	0,941336647	---
17481317	4,315322	4,128086	4,121493	4,615745	3,926441	3,76107	4,1883003	4,101085333	-0,087215	0,94133817	Olfr653
17216777	8,124272	8,042583	8,106023	8,161911	8,065309	7,784018	8,0909593	8,003746	-0,08721333	0,941339257	---
17229970	2,948439	2,962361	3,062114	2,88403	2,998996	2,828279	2,9909713	2,903768333	-0,087203	0,941345999	Olfr1406
17318002	5,744236	5,523034	5,65167	5,512378	5,491107	5,653908	5,6396467	5,552464333	-0,08718233	0,941359484	Slurp1
17369911	5,987255	5,780236	6,301898	5,950522	5,895948	5,961373	6,0231297	5,935947667	-0,087182	0,941359702	Ak1
17439966	5,480753	5,641694	5,501677	5,35819	5,489432	5,514971	5,5413747	5,454197667	-0,087177	0,941362964	4930458A03Rik
17458928	3,547011	3,056848	3,145085	2,993522	3,294521	3,199381	3,249648	3,162474667	-0,08717333	0,941365357	Vmn1r5
17366542	7,385432	7,766961	7,517875	7,421657	7,430903	7,556191	7,556756	7,469583667	-0,08717233	0,941366009	Nudt5
17339137	4,866674	5,153975	4,922788	5,12335	5,092622	4,466071	4,9811457	4,894014333	-0,08713133	0,941392763	Gm4701

17390778	5,389781	4,793562	5,227369	5,026932	5,093789	5,028625	5,136904	5,049782	-0,087122	0,941398853	Duoxa1
17343057	5,501406	5,679568	5,413093	5,429171	5,458471	5,445068	5,5313557	5,444236667	-0,087119	0,94140081	Pim1
17486351	6,031265	5,686768	5,218621	5,558125	5,757148	5,360037	5,6455513	5,558436667	-0,08711467	0,941403638	Vmn2r29
17486367	6,031265	5,686768	5,218621	5,558125	5,757148	5,360037	5,6455513	5,558436667	-0,08711467	0,941403638	Vmn2r29
17486912	5,517328	5,222131	5,650301	5,100899	5,692177	5,335395	5,4632533	5,376157	-0,08709633	0,941415601	Gm19512
17494930	9,229343	9,285599	9,278013	9,232691	9,212624	9,086426	9,2643183	9,177247	-0,08707133	0,941431915	Tmem9b
17331042	8,599018	8,592711	8,596061	8,418984	8,623075	8,484526	8,59593	8,508861667	-0,08706833	0,941433872	---
17247485	3,731512	3,88453	4,072328	3,798143	3,825255	3,80378	3,8961233	3,809059333	-0,087064	0,9414367	---
17289986	5,260267	5,385143	5,398855	5,23094	5,28384	5,268302	5,3480883	5,261027333	-0,087061	0,941438658	Cdc20b
17240330	9,324648	9,273069	9,277628	8,976768	9,277628	9,35977	9,2917817	9,204722	-0,08705967	0,941439528	Slc16a10
17542997	3,553077	3,721472	3,483235	3,521951	3,487338	3,487338	3,585928	3,498875667	-0,08705233	0,941444313	Gm7173
17337314	7,927989	8,059083	8,056937	7,87414	7,856578	8,052166	8,0146697	7,927628	-0,08704167	0,941451274	Ppp1r10
17476599	5,437515	5,396836	5,070752	5,404181	4,996323	5,243521	5,301701	5,214675	-0,087026	0,941461498	Gm10640
17458950	3,755162	3,875299	3,582575	3,663137	3,520896	3,767975	3,7376787	3,650669333	-0,08700933	0,941472374	Vmn1r13
17217171	8,08113	8,146379	8,501516	8,212376	7,9714	8,284244	8,2430083	8,156006667	-0,08700167	0,941477377	---
17224256	8,587286	8,778517	8,775299	8,523166	8,776239	8,580741	8,7137007	8,626715333	-0,08698533	0,941488036	Aamp
17499293	7,10973	6,959299	7,007482	6,801312	7,097185	6,917122	7,0255037	6,938539667	-0,086964	0,941501958	Tmco3
17207075	4,249447	4,71187	4,409621	4,975274	3,729604	4,405168	4,4569793	4,370015333	-0,086964	0,941501958	---
17238974	9,027581	9,082659	9,193422	8,986869	8,960024	9,095894	9,1012207	9,014262333	-0,08695833	0,941505656	Fbxo5
17231423	8,047421	8,073296	7,860654	7,927179	7,837764	7,95566	7,9937903	7,906867667	-0,08692267	0,941528932	Akap12
17340393	4,78343	4,943914	4,825368	4,69988	4,763579	4,828568	4,850904	4,764009	-0,086895	0,941546988	Nrxn1 // Nrxn1
17493044	3,182898	3,475314	3,130545	3,249649	3,250599	3,027882	3,262919	3,176043333	-0,08687567	0,941559606	Vmn2r66
17414782	5,368666	5,42983	5,31904	5,293602	5,208751	5,354558	5,372512	5,285637	-0,086875	0,941560041	---
17539600	5,422493	5,492788	5,481903	5,276218	5,54234	5,318001	5,465728	5,378853	-0,086875	0,941560041	Gemin8
17387764	3,119955	3,084826	3,027832	3,03257	3,033041	2,906405	3,0775377	2,990672	-0,08686567	0,941566132	Olfr1134
17240444	4,295809	4,180829	4,388678	4,156827	4,258133	4,189796	4,2884387	4,201585333	-0,08685333	0,941574182	Ccdc162
17466505	8,517381	8,458238	8,259735	8,136589	8,522879	8,315429	8,4117847	8,324965667	-0,086819	0,941596589	Rbpj // Rbpj
17285851	11,48253	11,37694	11,16046	10,89139	11,31469	11,5534	11,339977	11,25316	-0,08681667	0,941598112	Hist1h2bc
17317225	8,569938	8,455645	8,356899	8,375341	8,344395	8,402394	8,4608273	8,374043333	-0,086784	0,941619433	Zhx1
17433665	5,761243	5,794156	5,686172	5,670448	5,633821	5,67695	5,7471903	5,660406333	-0,086784	0,941619433	Ttc34
17251933	9,784473	9,817569	9,780907	9,775032	9,685087	9,662498	9,7943163	9,707539	-0,08677733	0,941623784	Asgr1
17379547	5,784309	6,045524	6,122314	5,906838	5,974052	5,810927	5,984049	5,897272333	-0,08677667	0,941624219	Zswim3
17244697	6,147946	5,909094	6,193788	5,936552	6,195472	5,858566	6,0836093	5,996863333	-0,086746	0,941644235	---
17411892	7,240789	7,211652	7,153803	7,022347	7,068617	7,255084	7,2020813	7,115349333	-0,086732	0,941653373	Rbm12b
17210213	4,258008	5,407082	5,59452	5,503772	4,628322	4,867332	5,0865367	4,999808667	-0,086728	0,941655984	---
17547803	8,411249	8,638372	8,653276	8,476704	8,423162	8,542857	8,5676323	8,480907667	-0,08672467	0,94165816	Gm6340
17366437	7,310913	7,114953	6,834665	6,8231	7,086037	7,091225	7,0868437	7,000120667	-0,086723	0,941659247	Fam107b
17492858	3,363412	3,459167	3,736867	3,501678	3,309044	3,488569	3,5198153	3,433097	-0,08671833	0,941662293	---
17405010	5,207478	5,057342	5,323659	5,30822	5,029097	4,991045	5,1961597	5,109454	-0,08670567	0,941670561	---
17350187	3,063152	2,881563	3,019168	2,855231	2,914962	2,933591	2,987961	2,901261333	-0,08669967	0,941674477	Spg11
17374366	4,098436	4,145878	4,37284	4,214161	4,008459	4,134456	4,205718	4,119025333	-0,08669267	0,941679046	A530058N18Rik
17394102	5,176698	5,528611	5,266037	5,268537	5,329242	5,113496	5,323782	5,237091667	-0,08669033	0,941680569	Kcns1
17467164	3,093051	3,113788	3,089339	2,944771	3,050162	3,041204	3,098726	3,012045667	-0,08668033	0,941687097	---
17491710	3,087344	2,974279	3,087029	2,987113	2,985296	2,91622	3,0495507	2,962876333	-0,08667433	0,941691013	---
17407461	6,385928	5,499974	5,731444	5,687557	6,048852	5,620917	5,8724487	5,785775333	-0,08667333	0,941691666	Lce1h
17258580	4,41245	4,481975	4,617756	4,362251	4,361633	4,528342	4,5040603	4,417408667	-0,08665167	0,941705808	---
17236990	3,924236	3,919178	3,787163	3,722429	3,877268	3,770949	3,876859	3,790215333	-0,08664367	0,94171103	1700017N19Rik
17412653	7,663789	7,759355	7,692773	7,732233	7,634811	7,488972	7,7053057	7,618672	-0,08663367	0,941717558	Rars2
17494236	4,739242	4,729131	4,77345	4,528957	4,750579	4,702393	4,7472743	4,660643	-0,08663133	0,941719081	Hbb-bh2
17540584	5,199408	4,843426	4,802638	4,724819	4,870256	4,990578	4,9484907	4,861884333	-0,08660633	0,9417354	Gm5124 // Gm5124
17413523	5,76422	5,966267	5,896438	5,908493	5,665547	5,793075	5,8756417	5,789038333	-0,08660333	0,941737358	Gm12503
17453129	8,167527	7,997303	8,412309	8,388111	8,167373	7,761856	8,1923797	8,10578	-0,08659967	0,941739752	---
17294677	4,965293	5,191101	5,459914	4,796728	5,060899	5,498892	5,205436	5,118839667	-0,08659633	0,941741927	---
17385717	8,776536	8,340192	8,19347	8,320458	8,272054	8,457927	8,4367327	8,350146333	-0,08658633	0,941748455	---
17203945	4,810431	5,293884	4,961366	4,784484	5,209085	4,812369	5,0218937	4,935312667	-0,086581	0,941751937	---
17281485	7,423943	7,643959	7,694253	7,374604	7,558867	7,569012	7,587385	7,500827667	-0,08655733	0,941767386	Rps29
17462128	7,027441	7,348238	7,323298	7,096872	7,136783	7,205662	7,2329923	7,146439	-0,08655333	0,941769997	Alox5 // Alox5
17383813	5,201077	5,516538	5,498617	5,297885	5,493218	5,165476	5,4054107	5,318859667	-0,086551	0,94177152	Aif1l
17498951	4,9477	4,912569	4,917358	4,896614	4,803404	4,818023	4,9258757	4,839347	-0,08652867	0,941786099	Irs2
17354361	7,004874	7,00619	6,922528	6,843851	6,924072	6,906137	6,977864	6,891353333	-0,08651067	0,941797849	---
17296786	7,085874	7,123425	6,743679	6,785636	6,967813	6,940013	6,984326	6,897820667	-0,08650533	0,941801331	2610042L04Rik
17216061	3,537639	3,399082	4,238199	3,896949	3,563502	3,454994	3,7249733	3,638481667	-0,08649167	0,941810253	---
17285964	7,450111	7,594729	7,523953	7,451712	7,291098	7,566516	7,522931	7,436442	-0,086489	0,941811994	Fam65b
17307146	4,272042	4,206436	4,488412	4,379318	4,090851	4,237298	4,3222967	4,235822333	-0,08647433	0,941821568	---
17382410	5,171675	5,248335	5,17652	4,825241	5,18748	5,324389	5,1988433	5,11237	-0,08647333	0,941822221	4933433C11Rik
17397893	3,488162	3,36399	3,406095	3,308321	3,235188	3,455415	3,4194157	3,332974667	-0,086441	0,941843329	Gm8298
17381275	3,055543	2,97684	3,018914	3,074842	2,856051	2,861106	3,017099	2,930666333	-0,08643267	0,94184877	---
17210725	7,494697	6,845763	7,493362	7,300933	7,62465	6,64897	7,2779407	7,191517667	-0,086423	0,94185508	---
17347387	8,030787	8,362677	7,959491	7,944066	8,117324	8,0323	8,1176517	8,03123	-0,08642167	0,941855951	Cebpz
17377523	9,97111	10,18246	10,02511	9,736348	9,977357	10,20576	10,05956	9,973155	-0,086405	0,941866832	---
17536463	6,915986	7,091186	6,910288	6,956001	6,780337	6,921978	6,9724867	6,886105333	-0,08638133	0,941882283	Stard8
17525649	7,085925	6,894588	6,843834	6,785509	6,989347	6,79036	6,941449	6,855072	-0,086377	0,941885112	Nrgn
17482764	4,415207	4,744172	4,761527	4,844288	4,216132	4,601518	4,640302	4,553979333	-0,08632267	0,941920585	---
17392787	6,294467	6,09553	6,136592	6,296725	5,94434	6,026586	6,1755297	6,089217	-0,08631267	0,941927114	4921509C19Rik
17548367	8,087757	8,098747	8,19056	8,005335	8,027435	8,085375	8,125688	8,039381667	-0,08630633	0,941931249	---
17328895	6,447042	6,467826	6,156267	6,374356	6,422386	6,015603	6,357045	6,270781667	-0,08626333	0,941959324	---
17359962	9,068613	9,238855	9,130627	9,322352	8,471086	9,385909	9,1460317	9,059782333	-0,08624933	0,941968464	---
17542961	5,160831	4,840128	4,950833	5,427767	4,693856	4,571436	4,9839307	4,897686333	-0,08624433	0,941971729	---
17380749	4,987705	4,849706	5,486562	5,06969	5,073457	4,92211	5,107991	5,021752333	-0,08623867	0,941975429	Gm14318
17408536	5,444554	5,581944	5,558722	5,564442	5,337233	5,424866	5,5284067	5,442180333	-0,08622633	0,941983482	Mab21l3
17447028	4,438812	4,100512	4,577543	4,305539	4,247276	4,305382	4,372289	4,286065667	-0,08622333	0,941985441	---
17473685	5,551908	5,149219	5,141839	5,467115	5,026613	5,090575	5,2809887	5,194767667	-0,086221	0,941986964	---
17477254	4,956817	4,794373	4,931768	4,872595	4,836294	4,715508	4,8943193	4,808132333	-0,086187	0,942009164	Klk6
17311512	9,998686	9,855988	9,827047	9,657059	9,963976	9,802162	9,893907	9,807732333	-0,08617467	0,942017217	Mal2
17507706	3,647875	3,482388	3,314247	3,278524	3,569272	3,338194	3,4815033	3,39533	-0,08617333	0,942018088	---
17501260	9,868101	9,806456	9,942837	9,656466	9,830008	9,87241	9,8724647	9,786294667	-0,08617	0,942020264	Fbxo8
17465115	4,645021	4,873621	4,823637	4,712622	4,68638	4,68482	4,7807597	4,694607333	-0,08615233	0,9420318	Cadps2
17457320	3,553077	3,239601	3,153102	3,213012	3,190909	3,283406	3,31526	3,229109	-0,086151	0,942032671	---
17351681	9,267681	9,075523	9,097284	9,020926	9,143062	9,018049	9,1468293	9,060679	-0,08615033	0,942033106	Mex3c
17434807	3,233192	3,308717	2,969729	3,024098	3,179513	3,049577	3,170546	3,084396	-0,08615	0,942033324	LOC100862549
17550476	3,988059	3,728849	4,232323	3,942952	3,726447	4,021403	3,983077	3,896934	-0,086143	0,942037894	---
17471788	3,976176	4,108689	3,71079	3,827381	3,809725	3,900205	3,931885	3,845770333	-0,08611467	0,942056395	LOC100048471
17332595	6,458966	6,340719	6,386369	6,506597	6,258944	6,162173	6,3953513	6,309238	-0,08611333	0,942057266	Prdm15
17442071	8,455764	8,309411	8,233325	8,274077	8,210043	8,256064	8,3328333	8,246728	-0,08610533	0,94206249	Vps29
17220148	8,39228	8,65682	8,498275	8,294168	8,475535	8,519393	8,5157917	8,429698667	-0,086093	0,942070544	Lin9
17422389	5,317008	5,273924	5,758639	5,334106	5,304989	5,452235	5,449857	5,363776667	-0,08608033	0,942078815	---
17519088	10,70709	10,84361	10,8536	10,65088	10,68863	10,80663	10,801433	10,71538	-0,08605333	0,942096446	Adam10
17261645	6,957039	6,690925	6,798371	6,716228	6,695951	6,776031	6,815445	6,729403333	-0,08604167	0,942104064	Foxi1
17440707	5,380705	5,306924	5,450717	5,159684	5,469264	5,251285	5,3794487	5,293411	-0,08603767	0,942106677	Gm6588
17486644	3,998402	3,889699	3,980121	4,036046	3,751435	3,822631	3,956074	3,870037333	-0,08603667	0,94210733	Vmn1r85
17238594	9,148869	9,463717	9,320444	9,411884	9,206304	9,056759	9,31101	9,224982333	-0,08602767	0,942113207	Cd63
17215370	9,406202	9,804123	9,79895	9,763055	9,599891	9,388267	9,6697583	9,583737667	-0,08602067	0,942117778	---
17481236	4,175945	3,730487	3,608936	3,755777	3,948481	3,553077	3,838456	3,752445	-0,086011	0,942124091	Olfr65
17449093	4,104365	4,484829	4,380042	4,338954	4,061277	4,311045	4,3230787	4,237092	-0,08598667	0,942139981	---
17529690	4,177216	3,832893	3,940457	4,051618	3,79011	3,850908	3,983522	3,897545333	-0,08597667	0,942146512	---
17408646	3,112156	2,949163	3,233192	2,992252	2,927348	3,117085	3,0981703	3,012228333	-0,085942	0,942169151	---
17359020	10,59146	10,60682	10,59276	10,46914	10,50824	10,55588	10,597013	10,51108667	-0,08592667	0,942179164	Kif11
17240687	5,057686	4,773965	5,293326	5,030096	4,882207	4,954932	5,041659	4,955745	-0,085914	0,942187437	---
17236245	5,828192	5,435662	5,486743	5,649606	5,484528	5,358727	5,5835323	5,497620333	-0,085912	0,942188743	---
17478001	6,360874	6,301478	6,619579	6,054826	6,590153	6,379315	6,4273103	6,341431333	-0,085879	0,942210295	Fam83e
17293503	5,184584	5,72042	5,239799	5,1765	5,293873	5,416914	5,381601	5,295762333	-0,08583867	0,942236636	Zfp934 // Zfp934
17204691	6,374011	6,202789	6,151155	6,364935	6,343218	5,762329	6,2426517	6,156827333	-0,08582433	0,942245997	---
17465614	5,079525	4,989458	5,333547	5,151795	4,89406	5,099277	5,1341767	5,048377333	-0,08579933	0,942262326	Gm13845
17426511	4,353988	4,827245	4,32516	4,513983	4,426075	4,308971	4,502131	4,416343	-0,085788	0,942269728	---
17204177	3,528217	3,72558	3,658941	3,58569	3,733197	3,336511	3,6375793	3,551799333	-0,08578	0,942274953	---
17204727	5,41377	5,818698	5,877011	5,433628	4,918186	6,500342	5,7031597	5,617385333	-0,08577433	0,942278654	---
17326162	4,12305	4,131253	4,335732	4,004928	3,998151	4,329652	4,1966783	4,110910333	-0,085768	0,94228279	Gm16619
17411727	4,991909	4,808767	5,113484	4,860437	4,850935	4,945486	4,9713867	4,885619333	-0,08576733	0,942283226	Gdf6
17281993	4,257019	4,396946	4,152314	3,919523	4,396946	4,232567	4,2687597	4,183012	-0,08574767	0,942296071	Tex21
17414327	5,833888	6,015633	5,802649	5,907173	5,875113	5,612768	5,8840567	5,798351333	-0,08570533	0,942323721	Actl7a
17548767	4,743092	4,949708	4,770395	4,618274	4,770658	4,817151	4,821065	4,735361	-0,085704	0,942324592	BC043934
17483975	4,80871	4,774876	4,555326	4,532	4,77844	4,571368	4,7129707	4,627269333	-0,08570133	0,942326334	5430419D17Rik
17247369	3,320841	2,990182	2,934747	3,129336	3,008003	2,85135	3,0819233	2,996229667	-0,08569367	0,942331342	---
17304193	8,968719	8,917994	8,796401	8,79282	8,686586	8,946637	8,8943713	8,808681	-0,08569033	0,942333519	D14Ertd449e
17257065	9,879845	9,68384	9,531462	9,527426	9,791084	9,519566	9,6983823	9,612692	-0,08569033	0,942333519	---
17443062	3,857505	3,755979	4,293465	4,045455	3,975281	3,629208	3,968983	3,883314667	-0,08566833	0,942347889	4930563F08Rik
17307516	7,327656	6,877171	7,558885	7,042157	7,378188	7,086372	7,2545707	7,168905667	-0,085665	0,942350066	Mir16-1
17287650	6,20888	6,220541	6,36211	6,111492	6,253313	6,169733	6,2638437	6,178179333	-0,08566433	0,942350502	Rgs14
17495223	6,290265	6,26714	6,361709	6,073486	6,346175	6,24247	6,3063713	6,220710333	-0,085661	0,942352679	Btbd10
17520962	5,339794	4,923858	4,822964	5,033988	4,622621	5,173049	5,028872	4,943219333	-0,08565267	0,942358122	5830418P13Rik
17357790	5,922469	5,644462	5,79067	5,937273	5,547048	5,616325	5,785867	5,700215333	-0,08565167	0,942358775	Olfr235
17281946	9,105139	9,035742	8,858788	8,936012	8,833164	8,973602	8,9998897	8,914259333	-0,08563033	0,94237271	Ppp2r5e
17231086	5,639482	5,165453	5,207859	5,630329	4,917735	5,207859	5,337598	5,251974333	-0,08562367	0,942377065	---
17266038	6,787817	7,116289	6,892266	6,918	6,752626	6,868894	6,932124	6,846506667	-0,08561733	0,942381202	Fam101b

17222642	6,996484	6,877293	6,776455	6,933881	6,747004	6,712543	6,8834107	6,797809333	-0,08560133	0,942391653	Fhl2
17547559	4,085605	4,017225	3,954884	3,970225	3,970425	3,86028	4,019238	3,933643333	-0,08559467	0,942396008	Dusp6 // Dusp6
17377651	5,649224	5,574079	5,653252	5,412183	5,594321	5,613405	5,6255183	5,539969667	-0,08554867	0,942426057	Slc52a3
17404021	8,186451	8,267695	8,406792	8,149852	8,230358	8,2241	8,2869793	8,201436667	-0,08554267	0,942429976	Mrps28
17549954	3,188221	3,290338	3,17336	2,938883	3,301013	3,155439	3,2173063	3,131778333	-0,085528	0,942439557	---
17267302	2,961459	3,210392	3,052899	2,831805	3,16768	2,968714	3,0749167	2,989399667	-0,085517	0,942446743	---
17200483	5,09325	5,607843	5,685481	5,427453	5,209538	5,493066	5,4621913	5,376685667	-0,08550567	0,942454146	---
17405435	6,841803	6,768522	6,764117	6,560544	6,613024	6,944365	6,7914807	6,705977667	-0,085503	0,942455889	Siah2
17443004	8,732309	8,683964	8,705917	8,674159	8,674351	8,517185	8,7073967	8,621898333	-0,08549833	0,942458937	Rabgef1
17463499	2,862059	2,799665	3,024708	2,79553	2,801133	2,833296	2,8954773	2,809986333	-0,085491	0,942463728	---
17263123	6,494098	6,624748	6,750473	6,430468	6,544087	6,63835	6,6231063	6,537635	-0,08547133	0,942476575	Zfp672
17480528	5,752559	5,417114	5,441728	5,366144	5,408622	5,580291	5,5371337	5,451685667	-0,085448	0,942491819	LOC100862647
17404701	4,832881	4,456051	4,80504	4,879295	4,473442	4,484904	4,6979907	4,612547	-0,08544367	0,942494649	---
17463727	6,28046	6,809268	6,393869	6,62266	6,59063	6,014016	6,4945323	6,409102	-0,08543033	0,94250336	Apold1
17543336	7,848108	8,060781	8,042707	7,898415	7,892757	7,904182	7,9838653	7,898451333	-0,085414	0,942514031	Las1l
17215807	3,614822	3,771194	3,957902	3,605841	3,758972	3,722887	3,781306	3,6959	-0,085406	0,942519257	Olfr1413
17289941	7,528255	7,573627	7,370909	7,42219	7,388371	7,406108	7,4909303	7,405556333	-0,085374	0,942540163	Dhx29
17356754	6,748504	6,628283	6,877594	6,685979	6,601192	6,711093	6,7514603	6,666088	-0,08537233	0,942541252	Cdc42bpg
17550805	9,905251	9,839901	9,918681	9,716571	9,717821	9,973328	9,8879443	9,802573333	-0,085371	0,942542123	---
17276007	10,21113	10,37663	10,28806	10,09658	10,27196	10,25117	10,29194	10,20657	-0,08537	0,942542776	Tmx1
17318536	7,056087	6,988235	7,049853	7,069506	6,921518	6,847072	7,0313917	6,946032	-0,08535967	0,942549527	Fbxl6
17250790	4,746903	4,830688	4,859838	4,711305	4,711305	4,758783	4,8124763	4,727131	-0,08534533	0,942558892	Fbxw10
17525742	4,48955	4,12329	4,14667	4,349997	3,948685	4,20484	4,25317	4,167840667	-0,08532933	0,942569345	Olfr959
17392087	8,244425	8,265863	8,143975	8,101171	8,172537	8,124577	8,2180877	8,132761667	-0,085326	0,942571523	Tmx4
17341039	5,394073	4,944759	5,338496	5,154107	5,104756	5,162498	5,225776	5,140453667	-0,08532233	0,942573918	---
17427222	4,682199	4,290818	4,340163	4,664865	4,051581	4,340793	4,4377267	4,352413	-0,08531367	0,942579581	---
17244591	7,977407	8,142351	7,9249	7,879019	7,849473	8,060272	8,014886	7,929588	-0,085298	0,942589816	4930430F08Rik
17439255	5,209002	4,816697	4,619663	4,827296	4,604382	4,9578	4,8817873	4,796492667	-0,08529467	0,942591994	LOC100862180 // LOC100862166 // Gm7
17515315	8,785203	8,869236	8,940567	8,930444	8,532043	8,876647	8,865002	8,779711333	-0,08529067	0,942594608	Ldlr
17524141	7,62744	7,764447	7,614225	7,525732	7,664047	7,560477	7,668704	7,583418667	-0,08528533	0,942598092	Med17
17391212	8,959489	8,949505	9,059135	8,895867	8,94128	8,875214	8,9893763	8,904120333	-0,085256	0,942617258	Ncaph
17505772	3,153102	3,07872	3,102498	3,068867	3,068739	2,940947	3,11144	3,026184333	-0,08525567	0,942617476	---
17302588	7,135448	6,78054	6,98872	7,068493	6,972563	6,607886	6,968236	6,882980667	-0,08525533	0,942617693	---
17311310	3,802226	3,650618	4,112492	3,857307	3,798331	3,653945	3,855112	3,769861	-0,085251	0,942620525	---
17262250	5,930559	8,315456	5,516826	6,633116	6,782755	6,091234	6,5876137	6,502368333	-0,08524533	0,942624227	Tgtp2 // Tgtp1
17460433	7,481685	7,35954	7,250481	7,265748	7,351293	7,218971	7,363902	7,278670667	-0,08523133	0,942633374	C87436
17276614	7,336365	7,74188	7,640826	7,355276	7,447263	7,660839	7,5730237	7,487792667	-0,085231	0,942633592	Churc1
17294244	4,834218	4,940848	4,944851	4,680155	5,127432	4,656713	4,906639	4,821433333	-0,08520567	0,942650145	Mrpl36 // Mrpl36
17276666	4,301569	4,307364	4,380749	4,258841	4,277469	4,197767	4,329894	4,244692333	-0,08520167	0,942652758	Gm6657
17267443	4,948282	4,757215	4,800656	4,947095	4,61834	4,685141	4,8353843	4,750192	-0,08519233	0,942658857	---
17365861	7,573669	7,314139	7,215199	7,47274	6,76606	7,608724	7,367669	7,282508	-0,085161	0,94267933	---
17509809	5,853173	5,709374	5,987273	5,893537	5,666254	5,734678	5,84994	5,764823	-0,085117	0,942708081	Gm10033
17402895	10,5318	10,55923	10,50334	10,41599	10,42334	10,4997	10,531457	10,44634333	-0,08511333	0,942710477	Ube2d3
17309907	9,843623	9,934519	9,627348	9,575624	9,851882	9,722712	9,80183	9,716739333	-0,08509067	0,942725288	Prkaa1
17303625	7,666457	7,471758	7,208019	7,36494	7,441133	7,284923	7,4487447	7,363665333	-0,08507933	0,942732694	Nr1d2
17239347	3,033989	3,014581	2,888603	2,987674	2,834425	2,859855	2,9790577	2,893984667	-0,085073	0,942736832	---
17494286	3,810167	4,032043	3,750431	3,773723	3,744872	3,818829	3,8642137	3,779141333	-0,08507233	0,942737268	Olfr645
17488470	7,212754	7,268058	7,182104	7,214742	7,046244	7,146756	7,220972	7,135914	-0,085058	0,942746634	Samd4b
17395414	4,415196	4,18977	4,107004	4,244976	4,156159	4,055673	4,2373233	4,152269333	-0,085054	0,942749248	Sycp2
17500375	4,68825	4,723074	4,766299	4,565648	4,648242	4,708571	4,7258743	4,640820333	-0,085054	0,942749248	4933433F19Rik // 4933433F19Rik
17538806	7,902004	7,616096	7,929881	7,14318	8,113856	7,935784	7,8159937	7,73094	-0,08505367	0,942749466	---
17444940	8,905382	8,891567	8,876352	8,849547	8,800348	8,768262	8,8911003	8,806052333	-0,085048	0,942753169	Uspl1
17200147	3,325639	3,42495	3,898665	3,431344	3,28206	3,680709	3,5497513	3,464704333	-0,085047	0,942753822	---
17398719	8,575141	9,05104	8,822369	8,634258	8,615309	8,943851	8,8161833	8,731139333	-0,085044	0,942755783	---
17357504	7,660376	7,592669	7,641438	7,691119	7,57373	7,374544	7,6314943	7,546464333	-0,08503	0,942764931	---
17448670	4,769365	4,802553	4,884092	4,885634	4,654206	4,661083	4,81867	4,733641	-0,085029	0,942765585	Zar1
17268842	7,418762	7,817264	7,833663	7,809244	7,716484	7,288883	7,6898963	7,604870333	-0,085026	0,942767545	---
17224121	4,059286	3,916008	3,916008	3,971658	3,876583	3,788006	3,9637673	3,878749	-0,08501833	0,942772555	4933417E11Rik
17467823	10,53911	10,57697	10,42769	10,36324	10,42585	10,49967	10,51459	10,42958667	-0,08500333	0,942782358	Kcmf1
17403866	6,759565	6,760975	6,8394	6,761963	6,733568	6,609412	6,7866467	6,701647667	-0,084999	0,942785189	Ptger3
17538314	3,510128	3,315982	3,635096	3,340861	3,400437	3,464918	3,4870687	3,402072	-0,08499667	0,942786714	Rgag1
17284700	2,985069	2,929984	3,116852	2,996604	2,940417	2,840017	3,010635	2,925679333	-0,08495567	0,942813508	---
17445786	10,05312	10,26566	10,1219	9,975639	10,11945	10,09073	10,146893	10,06193967	-0,08495367	0,942814815	Ptpn12
17482739	9,214533	9,293767	9,168773	9,111685	9,071662	9,238878	9,225691	9,140741667	-0,08494933	0,942817647	Plk1
17219865	3,185924	3,554841	3,419363	3,082146	3,342674	3,480487	3,3867093	3,301769	-0,08494033	0,942823528	---
17500752	5,524951	5,20752	5,242908	5,021388	5,320391	5,378853	5,3251263	5,240210667	-0,08491567	0,942839648	---
17520771	3,180869	3,10323	3,080352	2,941581	3,127964	3,040171	3,1214837	3,036572	-0,08491167	0,942842262	4930519F24Rik
17322700	5,872862	5,564992	6,013667	5,840674	5,677589	5,678701	5,8171737	5,732321333	-0,08485233	0,942881039	Rbfox1
17440113	6,170295	6,13444	6,483476	6,28638	6,269161	5,978114	6,262737	6,177885	-0,084852	0,942881257	Ube2d2b
17502665	5,495124	5,227757	5,631623	5,318201	5,288161	5,493677	5,4515013	5,366679667	-0,08482167	0,942901082	4933431K23Rik
17537044	4,925089	3,926842	3,715472	4,557579	3,621908	4,133458	4,1891343	4,104315	-0,08481933	0,942902607	---
17211194	4,022895	3,775774	3,909142	3,741995	3,893537	3,817864	3,9026037	3,817798667	-0,084805	0,942911975	4932411L15 // 4932411L15
17363624	7,124063	7,156792	6,741587	6,918517	6,90667	6,942859	7,0074807	6,922682	-0,08479867	0,942916114	Fam122a
17206351	4,448761	5,371051	4,575513	5,312804	4,112731	4,715395	4,7984417	4,713643333	-0,08479833	0,942916332	---
17442765	5,795061	5,810833	5,907448	5,713475	5,80442	5,74107	5,8377807	5,752988333	-0,08479233	0,942920253	Tmem132c
17450196	4,209645	4,600803	4,801888	4,470026	4,578966	4,308971	4,5374453	4,452654333	-0,084791	0,942921125	Agpat9
17248019	8,550607	8,636099	8,663214	8,557866	8,591155	8,446552	8,61664	8,531857667	-0,08478233	0,942926789	Ccdc88a
17541818	4,858229	4,725635	5,064777	4,638486	4,872993	4,882842	4,8828803	4,798107	-0,08477333	0,942932672	---
17319529	6,641934	6,651661	6,508621	6,54231	6,441374	6,564218	6,6007387	6,515967333	-0,08477133	0,942933979	Tob2
17205067	4,34176	4,109921	3,831933	4,944589	3,490901	3,593822	4,094538	4,009770667	-0,08476733	0,942936593	---
17209257	4,34176	4,109921	3,831933	4,944589	3,490901	3,593822	4,094538	4,009770667	-0,08476733	0,942936593	---
17232589	2,944557	2,769295	2,870885	2,85101	2,774224	2,705319	2,861579	2,776851	-0,084728	0,942962302	---
17214142	8,347738	8,640297	8,152283	8,433468	8,152872	8,299812	8,380106	8,295384	-0,084722	0,942966223	Cxcr2
17464801	4,000943	3,831676	4,001679	3,917203	4,048599	3,614377	3,944766	3,860059667	-0,08470633	0,942976463	---
17301530	4,498844	4,173509	4,342837	4,310432	4,356002	4,094644	4,3383967	4,253692667	-0,084704	0,942977988	---
17544835	5,48604	4,770916	5,005534	4,54773	5,384212	5,076503	5,0874967	5,002815	-0,08468167	0,942992586	---
17205017	8,172155	8,216653	8,46036	8,027746	8,272419	8,29497	8,283056	8,198378333	-0,08467767	0,942995201	---
17451813	5,39397	5,103727	5,467115	5,226704	5,355521	5,128555	5,321604	5,236926667	-0,08467733	0,942995418	4930562A09Rik
17494438	4,25752	4,040312	3,973313	4,023386	4,142458	3,85128	4,0903817	4,005708	-0,08467367	0,942997815	Dub1a
17281278	4,65146	4,419752	4,379004	4,47586	4,449839	4,270502	4,4834053	4,398733667	-0,08467167	0,942999122	---
17486469	6,275763	6,019008	6,501141	6,582283	6,062167	5,897449	6,265304	6,180633	-0,084671	0,942999558	Zscan4a
17550623	10,26789	10,22406	10,1748	10,15125	10,20228	10,05926	10,22225	10,13759667	-0,08465333	0,943011106	---
17205273	8,644041	8,135334	8,800256	8,603648	8,711069	8,011017	8,5265437	8,441911333	-0,08463233	0,943024832	---
17209463	8,644041	8,135334	8,800256	8,603648	8,711069	8,011017	8,5265437	8,441911333	-0,08463233	0,943024832	---
17461793	9,469255	9,682886	9,539884	9,459905	9,538216	9,440021	9,5640083	9,479380667	-0,08462767	0,943027883	6720456B07Rik
17205013	9,75792	9,912542	9,72939	9,650678	9,699892	9,795473	9,7999507	9,715347667	-0,084603	0,943044007	---
17391456	10,10725	10,32214	10,4744	10,01939	10,51867	10,11193	10,301263	10,21666333	-0,0846	0,943045968	---
17351509	3,38865	3,717051	3,681431	3,548063	3,47318	3,512097	3,5957107	3,511113333	-0,08459733	0,943047711	---
17241318	8,94217	9,045884	9,197981	9,108373	8,89535	8,928566	9,0620117	8,977429667	-0,084582	0,943057734	Hk1
17443261	6,479959	6,615591	6,499668	6,352901	6,441913	6,546825	6,5317393	6,447213	-0,08452633	0,943094122	Nsun5
17357306	7,363177	7,473917	7,320445	7,347371	7,319791	7,236817	7,3858463	7,301326333	-0,08452	0,943098263	B3gat3
17457987	2,897299	3,092202	3,280302	2,92911	3,009244	3,077904	3,0899343	3,005419333	-0,084515	0,943101531	Olfr444
17430052	7,521422	7,582072	7,256251	7,455507	7,186743	7,463953	7,4532483	7,368734333	-0,084514	0,943102185	Eif2c3
17372274	4,162484	4,272034	4,26458	4,019479	4,216228	4,209888	4,2330327	4,148531667	-0,084501	0,943110683	4930440I19Rik
17232199	5,433419	4,861623	5,14862	5,079353	5,058362	5,052457	5,1478873	5,063390667	-0,08449667	0,943113516	---
17321307	5,306748	5,653771	5,809175	5,485802	5,66948	5,360939	5,589898	5,505407	-0,084491	0,94311722	Rnd1
17205089	3,342718	4,078984	3,439324	3,651653	3,133793	3,822144	3,620342	3,535863333	-0,08447867	0,943125283	---
17209279	3,342718	4,078984	3,439324	3,651653	3,133793	3,822144	3,620342	3,535863333	-0,08447867	0,943125283	---
17510311	6,429566	6,590064	6,614863	6,450669	6,430414	6,499978	6,544831	6,460353667	-0,08447733	0,943126154	Abhd8
17450400	4,3041	4,114082	4,435568	4,283301	4,188147	4,128872	4,2845833	4,200106667	-0,08447667	0,94312659	---
17200207	5,70495	5,997258	4,790248	5,910716	4,988049	5,340284	5,4974853	5,413016333	-0,084469	0,943131602	---
17313039	5,026106	5,088042	5,14644	4,655248	5,292441	5,05954	5,0868627	5,002409667	-0,084453	0,943142062	11/03/17
17464776	7,595556	7,355239	7,464391	7,587575	7,300271	7,274051	7,4717287	7,387299	-0,08442967	0,943157316	Rpa3
17519886	3,233192	2,946594	2,92538	3,270892	2,695626	2,885363	3,0350553	2,950627	-0,08442833	0,943158188	---
17204679	6,334855	6,753641	6,424831	6,619322	6,745897	5,894835	6,5044423	6,420018	-0,08442433	0,943160802	---
17402479	2,913804	2,995563	3,308858	3,00682	2,948908	3,009247	3,0727417	2,988325	-0,08441667	0,943165815	Mir302a
17200421	5,432846	5,654348	5,239128	6,042706	5,030246	5,000164	5,4421073	5,357705333	-0,084402	0,943175403	---
17340784	4,881435	4,44001	4,433889	4,66789	4,239436	4,594834	4,5851113	4,50072	-0,08439133	0,943182376	D17Ertd648e // D17Ertd648e
17507698	5,564263	5,241278	5,626046	5,337025	5,361435	5,479969	5,4771957	5,392809667	-0,08438	0,943185863	Arhgef10
17476680	4,268596	3,623449	3,669592	3,850011	3,726147	3,732331	3,853879	3,769496333	-0,08438267	0,943188042	Gm12776
17442834	5,489187	5,612718	5,269834	5,357444	5,441441	5,319793	5,4572463	5,372892667	-0,08435367	0,943207002	Gpr133
17298839	10,30502	10,32554	10,38665	10,22507	10,3132	10,2259	10,33907	10,25472333	-0,08434667	0,943211578	Wapal
17426166	9,471485	9,243632	9,429104	9,309435	9,236177	9,345572	9,381407	9,297061333	-0,08434567	0,943212232	Cdc26
17450911	3,403204	3,015294	2,941804	3,30875	2,852371	2,946184	3,1201007	3,035768333	-0,08433233	0,943220949	Vmn2r15
17206099	2,799119	3,237674	3,403462	2,845096	3,221154	3,12101	3,1467517	3,06242	-0,08433167	0,943221385	---
17549762	7,307084	6,813592	7,147304	7,11312	6,909085	6,992784	7,0893267	7,004996333	-0,08433033	0,943222257	---
17381935	3,534088	2,934485	3,376108	3,174611	3,23273	3,184353	3,2815603	3,197231333	-0,084329	0,943223129	---
17424813	3,928697	3,730507	3,826419	3,937874	3,648199	3,646589	3,828541	3,744220667	-0,08432033	0,943228795	Olfr29-ps1
17533081	3,084508	3,057201	2,930679	2,888004	2,889197	3,04227	3,0241293	2,939823667	-0,08430567	0,943238384	---
17204865	3,63646	3,44652	3,763968	3,714949	3,527617	3,351504	3,6156493	3,531356667	-0,08429267	0,943246883	---
17372916	4,013274	3,91154	3,736853	3,887763	3,745694	3,775427	3,8872223	3,802961333	-0,084261	0,943267588	---
17226991	7,860459	7,95523	7,980137	7,809856	7,88071	7,852504	7,931942	7,84769	-0,084252	0,943273472	Snrpe
17358013	10,69702	10,55824	10,63423	10,22903	10,51005	10,89772	10,62983	10,5456	-0,08423	0,943287856	---
17525363	7,315436	7,726945	7,375288	7,396801	7,424479	7,343742	7,4725563	7,388340667	-0,08421567	0,943297228	Foxred1

17410190	9,134244	9,192302	9,020801	8,974569	9,086347	9,033821	9,1157823	9,031579	-0,08420333	0,943305292	Larp7	
17352662	8,406651	8,535974	8,499215	8,326492	8,426888	8,435862	8,4806133	8,396414	-0,08419933	0,943307908	Esco1	
17363997	6,620306	5,90524	5,62699	5,722777	6,10005	6,077126	6,0508453	5,966651	-0,08419433	0,943311177	Rnls	
17538891	5,582986	5,408485	5,284229	5,651697	5,327842	5,043615	5,4252333	5,341051333	-0,084182	0,943319241	Iqsec2	
17361041	6,786318	7,052576	7,038693	6,789365	7,117004	6,718676	6,9591957	6,875015	-0,08418067	0,943320113	Aldh3b1	
17203171	3,889673	3,43529	3,393245	3,937432	3,173898	3,35435	3,572736	3,48856	-0,084176	0,943323164	---	
17255620	5,202806	5,091723	5,06139	4,932404	5,159111	5,011876	5,1186397	5,034463667	-0,084176	0,943323164	Hoxb1	
17548373	8,24634	8,324987	8,367443	8,228846	8,264339	8,193068	8,3129233	8,228751	-0,08417233	0,943325562	---	
17313322	7,514476	7,73173	7,712447	7,71447	7,435047	7,556652	7,6528843	7,568723	-0,08416133	0,943332754	L3mbtl2	
17514687	5,074983	5,630818	5,552512	5,619598	5,240768	5,145499	5,4194377	5,335288333	-0,08414933	0,943340601	Phxr4	
17208517	5,154724	5,29494	4,8728	4,853838	5,148654	5,067571	5,107488	5,023354333	-0,08413367	0,943350845	---	
17207271	5,339586	5,394014	4,94227	4,115229	5,488816	5,819495	5,22529	5,14118	-0,08411	0,94336632	---	
17275490	8,239938	8,576741	8,259846	8,43959	8,146782	8,237835	8,3588417	8,274735667	-0,084106	0,943368936	Fam177a // 1700047I17Rik2	
17275516	8,239938	8,576741	8,259846	8,43959	8,146782	8,237835	8,3588417	8,274735667	-0,084106	0,943368936	Fam177a // 1700047I17Rik2	
17364367	7,988058	8,072226	7,912881	7,832314	7,89207	7,996496	7,991055	7,90696	-0,084095	0,943376128	Noc3l	
17489534	3,562308	3,63052	3,54035	3,466573	3,562308	3,452029	3,577726	3,493636667	-0,08408933	0,943379834	Gm4692	
17407864	8,047293	8,168507	7,949112	8,046121	8,01128	7,855246	8,0549707	7,970882333	-0,08408833	0,943380488	Tars2	
17527977	8,257422	8,165608	8,002644	7,91721	8,220377	8,035955	8,1418913	8,057847333	-0,084044	0,943409478	Glce	
17204699	7,602678	8,09697	7,456875	7,770104	7,214314	7,919995	7,718841	7,634804333	-0,08403667	0,943414273	---	
17346522	5,885901	5,949097	5,88978	5,78069	5,803285	5,888766	5,9082593	5,824247	-0,08401233	0,943430186	Tnfsf14	
17502206	5,806612	5,902642	6,036878	5,575298	5,920123	5,998741	5,9153773	5,831387333	-0,08399	0,943444479	Gtpbp3	
17440457	7,007827	6,855811	6,868577	6,804745	6,752984	6,922631	6,9107383	6,826786667	-0,08395167	0,943469859	Pgam5 // Pgam5	
17548831	11,12842	11,13983	11,2856	11,55564	11,09668	10,64968	11,184617	11,10066667	-0,08395	0,943470949	Erdr1 // Erdr1	
17290684	4,926136	4,435219	4,704102	4,305149	4,882506	4,625978	4,6884857	4,604544333	-0,08394133	0,943476616	Gm2423	
17355790	7,056057	6,92456	6,850084	6,835952	6,754131	6,988804	6,943567	6,859629	-0,083938	0,943478796	Tshz1	
17237026	3,489827	3,26103	3,338067	3,26419	3,259487	3,313444	3,3629747	3,279040333	-0,08393433	0,943481194	Mir3059	
17223226	9,353051	9,316158	9,141405	9,123211	9,237955	9,19767	9,2702047	9,186278667	-0,083926	0,943486644	6330578E17Rik	
17275567	3,948784	3,495411	3,770787	3,614609	3,500516	3,848212	3,7383273	3,654445667	-0,08388167	0,943515637	Aldoart2	
17338738	5,946023	5,954761	6,098866	5,779251	6,187881	5,780946	5,9998833	5,916026	-0,08385733	0,943531551	A230051N06Rik	
17473166	5,517544	5,489195	5,491985	5,385587	5,257132	5,60445	5,4995747	5,415723	-0,08385167	0,943535257	Cacng6	
17211369	3,962254	4,270216	4,038474	3,878136	3,959796	4,181468	4,0903147	4,006466667	-0,083848	0,943537655	Il17a	
17236091	7,541145	7,962541	7,767944	7,506554	7,86173	7,651856	7,75721	7,67338	-0,08383	0,943549428	AI597468	
17426752	3,568572	3,390562	3,607165	3,402546	3,37686	3,535467	3,5220997	3,438291	-0,08380867	0,94356338	---	
17277876	4,459206	4,504256	4,645374	4,474708	4,556399	4,326336	4,5362787	4,452481	-0,08379767	0,943570574	---	
17208985	3,780196	4,650786	4,810248	5,106273	4,021473	3,862117	4,4137433	4,329954333	-0,083789	0,943576243	---	
17257556	6,436007	7,43396	7,076774	6,917135	6,744006	7,03427	6,982247	6,898470333	-0,08377667	0,943584309	---	
17353106	3,833166	3,144947	3,474895	3,188791	3,736492	3,276403	3,484336	3,400562	-0,083774	0,943586053	---	
17308842	6,543234	6,756833	6,69774	6,603753	6,554564	6,588173	6,6659357	6,582163333	-0,08377233	0,943587143	Dgkh	
17220761	8,707753	8,767103	8,384228	8,530437	8,265435	8,811903	8,6196947	8,535925	-0,08376967	0,943588887	---	
17519127	11,02376	11,41393	11,11135	11,05079	10,88404	11,36297	11,183013	11,09926667	-0,08374667	0,943603931	---	
17261724	3,28021	2,940811	3,193378	3,17105	3,06256	2,929609	3,138133	3,054406333	-0,08372667	0,943617012	---	
17431234	5,194559	5,272486	5,457259	5,213118	5,296396	5,163697	5,3081013	5,224403667	-0,08369767	0,94363598	Cnksr1	
17539879	7,877867	7,814942	7,967121	7,934328	7,785705	7,688834	7,8866433	7,802955667	-0,08368767	0,943642521	Plp2	
17269521	9,735238	9,791215	9,682383	9,685232	9,487403	9,785141	9,7362787	9,652592	-0,08368667	0,943643175	Acly	
17548440	9,709306	9,88623	9,837248	9,755119	9,776395	9,650212	9,810928	9,727242	-0,083686	0,943643611	Imp3 // Imp3	
17385030	8,39502	8,517617	8,367185	8,297721	8,392921	8,338138	8,4266073	8,342926667	-0,08368067	0,943647099	Mmadhc	
17277278	6,13137	5,906484	6,110675	5,963127	6,081376	5,853076	6,0495097	5,965859667	-0,08365	0,943667158	Vsx2	
17281635	3,574652	3,53621	3,620967	3,631796	3,529829	3,319268	3,5772763	3,493631	-0,08364533	0,943670211	Mir681	
17350081	5,091167	4,924244	5,292332	5,063664	5,004597	4,988559	5,102581	5,01894	-0,083641	0,943673045	Kctd16	
17485545	6,424569	6,418159	6,594271	6,229106	6,604009	6,352962	6,4789997	6,395359	-0,08364067	0,943673263	Leng1	
17261187	4,941579	4,686141	4,717349	4,696758	4,696854	4,700579	4,7816897	4,698063667	-0,083626	0,943682857	5730522E02Rik	
17484601	9,198332	9,237564	9,160652	9,149357	9,059904	9,136425	9,1988493	9,115228667	-0,08362067	0,943686345	1190003J15Rik	
17205529	4,512994	4,862581	5,176514	5,025343	4,705757	4,570149	4,8506963	4,767083	-0,08361333	0,943691142	---	
17408180	5,079111	5,033464	5,08278	5,02459	4,915054	5,004919	5,0651183	4,981521	-0,08359733	0,943701608	---	
17377071	6,94729	6,996869	6,921261	6,850139	6,835061	6,929445	6,95514	6,871548333	-0,08359167	0,943705315	Polr3f	
17371218	3,605469	3,649196	3,359604	3,503992	3,440016	3,419492	3,5380897	3,4545	-0,08358967	0,943706623	---	
17256522	7,227693	7,38485	7,330153	7,230396	7,352005	7,109556	7,314232	7,230652333	-0,08357967	0,943713164	Coasy	
17482717	6,323277	6,105385	6,278468	6,177392	5,987679	6,291378	6,23571	6,152149667	-0,08356033	0,943725811	Gga2 // Gga2	
17201411	6,254392	6,272652	7,145333	6,694036	5,90818	6,8195	6,557459	6,473905333	-0,08355367	0,943730172	---	
17330029	5,155503	5,746556	5,560284	5,292144	5,46071	5,458845	5,4874477	5,403899667	-0,083548	0,943733879	1700119H24Rik	
17394318	7,847462	7,657793	7,803946	7,771228	7,653243	7,634143	7,7697337	7,686204667	-0,083529	0,943746308	Zfp335	
17480420	7,243907	7,244682	7,200093	7,08456	7,204705	7,148839	7,2295607	7,146034667	-0,083526	0,94374827	Pak1	
17533269	8,411281	8,544353	8,172365	8,311543	8,288218	8,277674	8,3759997	8,292478333	-0,08352133	0,943751323	Tspan7	
17473671	4,289104	4,264668	4,007764	4,077495	3,994131	4,239378	4,1871787	4,103668	-0,08351067	0,943758301	Nlrp4b	
17531685	4,903296	4,743056	4,479223	4,703487	4,488177	4,683414	4,708525	4,625026	-0,083499	0,943765933	Tdgf1	
17205891	3,823438	3,335541	3,645894	4,220637	3,563514	2,770268	3,6016243	3,518139667	-0,08348467	0,943775309	---	
17326650	5,253412	5,380483	5,265366	5,17146	5,446789	5,030563	5,2997537	5,216270667	-0,083483	0,943776399	---	
17222354	3,877152	4,111823	4,040097	3,837273	3,92703	4,014332	4,0096907	3,926211667	-0,083479	0,943779016	4930594C11Rik	
17528900	2,962329	2,949859	3,118352	2,820616	2,997231	2,962329	3,01018	2,926725333	-0,08345467	0,943794934	---	
17467195	3,695481	4,066686	4,114136	3,772379	3,856869	3,996717	3,9587677	3,875321667	-0,083446	0,943800604	Vmn1r26	
17469587	9,066711	9,094631	9,00212	8,925058	8,992791	8,995365	9,0544873	8,971071333	-0,083416	0,94382023	---	
17471973	7,55096	7,642248	7,111274	7,128442	7,139627	7,786251	7,4348273	7,35144	-0,08338733	0,943838984	---	
17514566	5,307435	5,442328	5,107221	5,27108	5,295838	5,039929	5,2856613	5,202282333	-0,083379	0,943844436	Mmp27	
17500447	3,91289	3,696061	3,697225	3,882105	3,639284	3,534726	3,7687253	3,685371667	-0,08335367	0,94386101	---	
17428209	4,078331	3,936994	3,872399	3,812307	4,036448	3,788955	3,9625747	3,879236667	-0,083338	0,94387126	9630013D21Rik	
17372231	2,857013	2,790401	3,025067	2,89822	2,749258	2,775008	2,890827	2,807495333	-0,08333167	0,943875403	---	
17480459	5,920717	5,313593	5,618639	5,666889	5,461823	5,474251	5,6176497	5,534321	-0,08332867	0,943877366	LOC330599	
17320783	6,506723	6,576348	6,556735	6,545501	6,453361	6,390967	6,546602	6,463276333	-0,08332567	0,943879329	Pus7l	
17367901	9,019651	8,100777	8,961513	8,084039	8,843989	8,903948	8,6939803	8,610658667	-0,08332167	0,943881946	---	
17494325	6,574283	6,725255	6,438185	6,373954	6,764626	6,349186	6,579241	6,495922	-0,083319	0,94388369	Trim12c	
17473728	3,959911	3,685135	3,936984	3,827672	3,754679	3,749805	3,8606767	3,777385333	-0,08329133	0,943901791	Vmn1r75	
17427661	5,436227	5,661067	5,402722	5,326746	5,446144	5,477269	5,5000053	5,416719667	-0,08328567	0,943905499	Wdr78	
17348791	4,246387	4,201915	4,507112	4,176965	4,30034	4,228274	4,3184713	4,235193	-0,08327833	0,943910297	Dsg3	
17280392	7,418141	7,537189	7,479995	7,311808	7,588878	7,284845	7,4784417	7,395177	-0,08326467	0,943919238	Rps7	
17545582	3,924364	3,603227	3,293338	3,504986	3,436775	3,629404	3,6069763	3,523721667	-0,08325467	0,943925781	Magea1	
17271757	7,235018	7,054933	7,105324	7,039366	6,958694	7,14747	7,1317583	7,04851	-0,08324833	0,943929925	Gm11711	
17448064	6,347283	6,683356	6,645169	6,292946	6,753752	6,379416	6,5586027	6,475371333	-0,08323133	0,943941048	Lgi2	
17485739	3,503187	3,250038	3,45256	3,594393	3,141581	3,220207	3,4019283	3,318727	-0,08320133	0,943960677	Rdh13	
17449473	13,34694	13,46118	13,39977	13,34944	13,28424	13,32471	13,40263	13,31946333	-0,08316667	0,94398336	Gc	
17475303	5,232011	5,334593	5,628011	5,252865	5,234562	5,457762	5,398205	5,315063	-0,083142	0,9439995	4732471J01Rik	
17456450	3,214321	3,302181	3,308418	3,151494	3,236356	3,187681	3,2749733	3,191843667	-0,08312967	0,94400757	Spam1	
17258644	4,122889	4,048537	4,295946	3,983745	4,236986	3,997306	4,1557907	4,072679	-0,08311167	0,944019348	BC018473	
17234865	4,054322	3,579366	3,628222	3,725479	3,844516	3,442596	3,75397	3,670863667	-0,08310633	0,944022838	Vmn2r80	
17543246	4,941621	4,608349	4,778752	4,833418	4,483726	4,762265	4,7762407	4,693136333	-0,08310433	0,944024146	4932442L08Rik	
17278345	10,68301	10,67702	10,62569	10,46114	10,64318	10,63209	10,661907	10,57880333	-0,08310333	0,944024801	Glrx5	
17231040	7,024282	6,769501	6,728589	6,769501	6,826274	6,677297	6,8407907	6,757690667	-0,0831	0,944026982	Nenf	
17387728	4,208175	3,557244	3,491524	3,962065	3,543781	3,50194	3,7523143	3,669262	-0,08305233	0,944058173	Olfr1101	
17319619	9,886451	9,932707	9,688673	9,762401	9,763576	9,732764	9,8359437	9,752913667	-0,08303	0,944072788	Ndufa6	
17527529	5,888575	5,627599	6,227078	5,973501	5,567221	5,953491	5,9144173	5,831404333	-0,083013	0,944083912	---	
17301108	6,540968	6,587366	6,723984	6,507736	6,693465	6,402146	6,6174393	6,534449	-0,08299033	0,944098745	Arl11	
17200975	8,484681	8,589897	8,739585	7,929144	8,897478	8,738589	8,604721	8,521737	-0,082984	0,94410289	---	
17495097	10,40161	10,44105	10,40711	10,36873	10,27872	10,35338	10,41659	10,33361	-0,08298	0,944105507	Lyve1	
17465535	6,167656	6,181576	6,141748	6,043535	6,124677	6,073876	6,16366	6,080696	-0,082964	0,944115978	Tsga14	
17392452	7,840179	7,989224	7,946935	7,714204	7,950204	7,863074	7,925446	7,842494	-0,082952	0,944123831	Crnkl1	
17443112	5,792214	5,799537	5,893598	5,684782	5,690261	5,861463	5,8284497	5,745502	-0,08294767	0,944126666	---	
17240296	4,084815	3,948167	3,929711	3,980104	3,902121	3,83164	3,9875643	3,904621667	-0,08294267	0,944129939	2010001E11Rik	
17428655	6,502663	6,502295	6,606442	6,423225	6,503189	6,436234	6,5371333	6,454216	-0,08291733	0,944146517	Gpbp1l1	
17350084	3,83732	4,095024	4,567656	4,315385	4,179256	3,75661	4,1666667	4,083750333	-0,08291633	0,944147172	---	
17503907	6,015111	6,171716	6,076965	5,978361	6,056485	5,980211	6,0879307	6,005019	-0,08291157	0,944150226	LOC100861643	
17413216	5,062037	4,971159	4,932888	5,175745	4,557735	4,983911	4,9886947	4,905797	-0,08289767	0,944159388	---	
17372880	4,378134	4,272027	4,476326	4,515598	4,265141	4,097092	4,3754957	4,292610333	-0,08288533	0,944167459	Olfr152	
17202631	3,464534	4,827642	3,535351	4,042764	4,102835	3,433342	3,942509	3,859647	-0,082862	0,94418273	---	
17526456	4,917774	4,783312	5,020203	4,746036	4,850307	4,876386	4,9070963	4,824243	-0,08285333	0,944188402	Cd3g	
17231534	7,211889	7,417305	7,183045	7,138882	7,167307	7,257516	7,2707463	7,187901667	-0,08284467	0,944194074	Nup43	
17270028	6,602486	6,448082	6,444773	6,316753	6,389173	6,540902	6,498447	6,415609333	-0,08283767	0,944198655	Mpp2	
17222549	8,642902	8,613173	8,752353	8,51503	8,609493	8,635413	8,669476	8,586645333	-0,08283067	0,944203237	Rnf149	
17513976	12,56676	12,61463	12,78122	12,44066	12,67836	12,5951	12,654203	12,57137333	-0,08283	0,944203673	Rn5s20 // Rn5s20	
17536881	7,558442	7,549365	7,588264	7,467433	7,489634	7,490526	7,565357	7,482531	-0,082826	0,944206291	Pin4	
17350011	9,781633	9,895383	9,751088	9,756443	9,58923	9,833962	9,809368	9,726545	-0,082823	0,944208254	Ndfip1	
17488492	6,108148	5,824092	6,308573	6,064654	5,948246	5,979445	6,080271	5,997448333	-0,08282267	0,944208472	Nccrp1	
17331577	4,230371	4,153515	3,971688	3,955243	4,099052	4,05282	4,1185247	4,035705	-0,08281967	0,944210436	1700041M19Rik	
17401240	5,297562	4,889961	5,450475	5,169714	5,180105	5,039745	5,212666	5,129854667	-0,08281133	0,94421589	Dclre1b // Dclre1b	
17451126	9,28762	9,228961	9,227495	9,103681	9,339865	9,052166	9,2480253	9,165237333	-0,082788	0,944231161	Ep400	
17460250	2,93742	2,994423	2,962536	2,989025	2,813488	2,843621	2,964793	2,882044667	-0,08274833	0,944257123	---	
17534899	5,422936	4,891974	4,821531	4,967145	5,091547	4,829566	5,0454803	4,962752667	-0,08272767	0,94427065	Ncrna00086	
17409826	9,094163	9,082855	8,804004	8,696712	9,009057	9,027072	8,993674	8,910947	-0,082727	0,944271086	Snx7	
17433265	4,596483	4,39958	4,60683	4,548708	4,410719	4,395323	4,5342977	4,451583333	-0,08271433	0,944279376	Car6	
17260416	7,202958	7,573778	7,336388	7,273718	7,270732	7,320566	7,3710413	7,288338667	-0,08270267	0,944287013	Tbrg4	
17262572	5,795514	5,596272	6,103617	5,81045	5,773465	5,663434	5,831801	5,749116333	-0,08268467	0,944298794	---	
17394908	5,897288	5,19472	5,443854	5,563107	5,459438	5,265316	5,511954	5,429287	-0,082667	0,944310358	---	
17470084	6,317518	5,627505	5,809419	6,281157	5,508072	5,717215	5,9181473	5,835481333	-0,082666	0,944311012	---	
17437263	6,8135	7,108814	7,015889	6,895538	6,885409	6,909302	6,979401	6,896749667	-0,08265133	0,944320612	Med28	
17430609	6,639111	6,799158	6,428751	6,437686	6,631582	6,549835	6,62234	6,539701	-0,082639	0,944328685	Serinc2	
17313858	3,165324	3,216607	3,506018	3,142891	3,489123	3,008051	3,295983	3,213355	-0,082628	0,944335885	Mirlet7c-2	

17472023	7,178909	6,826306	6,850288	6,674225	7,036616	6,896843	6,9518343	6,869228	-0,08260633	0,944350068	Mansc1
17293604	5,90097	5,669623	5,675442	5,669286	5,741276	5,587681	5,7486783	5,666081	-0,08259733	0,944355959	---
17289129	5,278802	4,594522	4,72436	4,806602	4,744957	4,798343	4,8658947	4,783300667	-0,082594	0,944358141	Gm4814
17268177	5,469478	5,56271	5,909472	5,669187	5,432011	5,592724	5,64722	5,564640667	-0,08257933	0,944367741	---
17229481	6,910033	6,905788	6,546581	6,762436	6,628601	6,72364	6,7874673	6,704892333	-0,082575	0,944370578	Ddr2
17203085	7,757266	7,159855	7,628603	7,57056	7,318611	7,408852	7,5152413	7,432674333	-0,082567	0,944375815	---
17200563	6,118988	5,402699	5,986493	6,63787	5,326897	5,295783	5,83606	5,753516667	-0,08254333	0,944391307	---
17431801	4,207684	3,957961	3,844419	3,952425	3,996528	3,813505	4,0033547	3,920819333	-0,08253533	0,944396544	Ubxn10
17281428	8,872933	8,847499	8,789035	8,618289	8,720868	8,922705	8,836489	8,753954	-0,082535	0,944396762	Mis18bp1
17548492	4,839109	4,619046	4,651487	4,466479	4,614697	4,780863	4,703214	4,620679667	-0,08253433	0,944397198	Gm8675
17254522	5,347698	4,864489	5,04668	4,909166	5,004466	5,097649	5,086289	5,003760333	-0,08252867	0,944400908	1700125H20Rik
17447737	7,986545	8,264498	7,942171	7,957412	7,971937	8,016307	8,0644047	7,981885333	-0,08251933	0,944407017	Rab28
17541516	4,317225	3,757013	3,792414	3,966137	3,938355	3,714602	3,9555507	3,873031333	-0,08251933	0,944407017	---
17316690	8,009079	8,128148	8,033796	7,924889	7,943619	8,054968	8,0570077	7,974492	-0,08251567	0,944409418	Klf10
17208203	3,966893	3,415519	3,592459	3,620167	3,34131	3,76588	3,6582903	3,575785667	-0,08250467	0,944416618	---
17266653	4,654902	4,512173	4,488074	4,618998	4,459319	4,329327	4,5517163	4,469214667	-0,08250167	0,944418582	BC037438 // BC037438
17307121	3,704787	3,552537	3,69496	3,566053	3,432803	3,705927	3,6507613	3,568261	-0,08250033	0,944419455	Gm4491
17268569	5,613297	5,697064	5,7385	5,436021	5,768969	5,596395	5,6829537	5,600461667	-0,082492	0,94442491	Srcin1
17549452	5,276218	4,889418	5,112069	5,113785	4,890827	5,025639	5,0925683	5,010083667	-0,08248467	0,944429711	---
17238703	3,078651	3,731833	3,205391	3,299208	3,140574	3,328655	3,338625	3,256145667	-0,08247933	0,944433202	Olfr822
17452360	6,624437	6,423671	6,749826	6,613306	6,248441	6,688785	6,5993113	6,516844	-0,08246733	0,944441058	Tctn1
17201589	4,695743	4,32994	4,354386	4,311082	4,214713	4,607001	4,460023	4,377598667	-0,08242433	0,944469208	---
17440754	10,89471	11,09149	10,84945	10,79464	11,14974	10,644	10,945217	10,86279333	-0,08242333	0,944469862	Rps28 // Rps28
17425784	4,749707	4,738765	4,663168	4,696511	4,714971	4,492901	4,7172133	4,634794333	-0,082419	0,944472699	AI481877
17228276	4,577646	4,641033	5,003654	4,758045	4,676679	4,540415	4,7407777	4,658379667	-0,082398	0,944486447	5830403L16Rik
17489508	5,821229	5,841509	5,756	5,718929	5,721479	5,731192	5,806246	5,723866667	-0,08237933	0,944498668	Gm5329
17213676	9,050245	9,319206	9,017811	9,010041	9,100721	9,029383	9,1290873	9,046715	-0,08237233	0,94450325	Creb1
17393743	5,651958	5,599895	5,768488	5,405862	5,633164	5,734199	5,673447	5,591075	-0,082372	0,944503469	Ghrh
17309360	4,296593	3,993695	4,495099	4,407872	4,092093	4,038329	4,2617957	4,179431333	-0,08236433	0,944508488	Slitrk1
17278614	9,112	9,047758	9,155169	9,052732	8,990057	9,02505	9,1049757	9,022613	-0,08236267	0,944509579	Yy1
17448557	3,921789	3,816675	3,93016	3,944309	3,7455	3,731742	3,8895413	3,807183667	-0,08235767	0,94451852	---
17286922	3,66407	3,576337	3,796113	3,455403	3,623319	3,710907	3,67884	3,5965	-0,08234	0,944524419	1700029N11Rik
17240586	5,349704	5,357563	5,340743	5,168786	5,318132	5,314079	5,3493367	5,266999	-0,08233767	0,944525946	Sobp
17206429	5,004077	4,777265	4,673073	4,975518	4,10792	5,123971	4,8181383	4,735803	-0,08233533	0,944527474	---
17370439	7,277877	7,181805	7,36908	7,259383	7,276586	7,045843	7,276254	7,193937333	-0,08231667	0,944539695	Lhx2
17541636	4,981328	5,05126	4,937841	4,711332	5,008501	5,003651	4,990143	4,907828	-0,082315	0,944540786	Hs6st2
17266882	5,278687	4,606537	4,909555	4,955206	4,846942	4,745724	4,931593	4,849290667	-0,08230233	0,944549079	---
17354339	3,674477	3,718388	3,757321	3,676856	3,437246	3,789198	3,7167287	3,634433333	-0,08229533	0,944553662	1700065O20Rik
17444730	5,081931	4,85038	5,143957	4,727226	4,933786	5,168378	5,0254227	4,94313	-0,08229267	0,944555408	Wasf3
17374432	3,875322	3,992762	3,921724	3,798398	3,876565	3,868077	3,929936	3,84768	-0,082256	0,944579415	Tmco5
17209743	4,660684	4,447014	4,408552	4,589614	3,97274	4,70715	4,5054167	4,423168	-0,08224867	0,944584216	---
17202345	5,186241	5,838829	6,151226	5,775427	6,177724	4,97644	5,725432	5,643197	-0,082235	0,944593164	---
17542088	3,282035	3,048526	3,120856	3,123178	3,08261	2,998926	3,1504723	3,068238	-0,08223433	0,944593601	Mir465c-1
17542092	3,282035	3,048526	3,120856	3,123178	3,08261	2,998926	3,1504723	3,068238	-0,08223433	0,944593601	Mir465c-1
17407439	5,558911	5,427156	5,46539	5,269204	5,427156	5,508491	5,483819	5,401617	-0,082202	0,944614771	Lce1a2
17253233	3,627164	3,745725	3,272623	3,408727	3,472903	3,517284	3,548504	3,466304667	-0,08219933	0,944616517	---
17418094	3,628505	3,52231	3,440607	3,418746	3,553077	3,373064	3,530474	3,448295667	-0,08217833	0,944630267	9530002B09Rik
17447904	7,853455	7,786892	7,710042	7,423333	7,767282	7,913285	7,783463	7,7013	-0,082163	0,944640307	Qdpr
17548810	6,026076	6,113679	6,313273	6,28981	5,935265	5,981486	6,1510093	6,068853667	-0,08215567	0,944645108	---
17289691	3,309163	3,329101	3,585753	3,274541	3,309126	3,393883	3,4080057	3,32585	-0,08215567	0,944645108	1700006H21Rik
17345262	7,802099	7,767638	7,736946	7,593865	7,825469	7,64089	7,7688943	7,686741333	-0,082153	0,944646854	Tmem63b
17547799	5,973215	5,739753	5,984911	5,928219	5,780025	5,743185	5,899293	5,817143	-0,08215	0,944648819	Gm20242
17268469	9,815095	9,857842	9,739332	9,660036	9,805427	9,700362	9,8040897	9,721941667	-0,082148	0,944650128	Kpnb1
17207335	5,768868	5,874971	5,527254	6,072923	5,594311	5,257438	5,7236977	5,641557333	-0,08214033	0,944655148	---
17258153	3,695481	3,501326	3,90833	3,660703	3,449521	3,748543	3,7017123	3,619589	-0,08212333	0,94466628	Grin2c // Grin2c
17388667	6,494671	6,485646	6,537873	6,357316	6,437329	6,477221	6,5060633	6,423955333	-0,082108	0,94467632	B230118H07Rik
17249853	4,909479	4,965645	4,57387	4,683828	4,835252	4,683615	4,8163313	4,734231667	-0,08209967	0,944681777	---
17326979	5,206864	5,279083	5,413506	5,224133	5,207736	5,221292	5,2998177	5,217720333	-0,08209733	0,944683305	---
17511014	6,04987	6,116188	5,803855	5,983236	5,8238	5,916624	5,989971	5,907886667	-0,08208433	0,944691817	---
17349085	3,774742	3,477297	3,63746	3,651703	3,620769	3,370774	3,629833	3,547748667	-0,08208433	0,944691817	---
17312257	5,185496	5,008806	5,284802	5,108424	5,12093	5,003512	5,1597013	5,077622	-0,08207933	0,944695091	---
17400581	6,36993	6,306884	6,464566	6,359132	6,272261	6,26378	6,38046	6,298391	-0,082069	0,944701858	4930459I23Rik
17408033	6,36993	6,306884	6,464566	6,359132	6,272261	6,26378	6,38046	6,298391	-0,082069	0,944701858	4930459I23Rik
17548523	6,376951	6,361147	6,377295	6,389315	6,028849	6,451045	6,3717977	6,289736333	-0,08206133	0,944706878	Gemin6 // Gemin6
17401094	11,42141	11,47434	11,46812	11,31806	11,38755	11,4121	11,454623	11,37257	-0,08205333	0,944712116	Csde1
17548875	3,245922	3,167544	3,134998	3,083507	3,130985	3,08786	3,1828213	3,100784	-0,08203733	0,944722594	---
17284539	6,620759	6,35089	6,405571	6,133293	6,579353	6,418502	6,4590733	6,377049333	-0,082024	0,944731325	---
17475215	7,108752	7,366513	7,402488	7,688985	6,595272	7,347445	7,2925843	7,210567333	-0,082017	0,944735909	---
17546485	3,709245	3,551337	3,499078	3,603311	3,602497	3,307812	3,5865533	3,50454	-0,08201333	0,94473831	---
17329516	4,848557	4,964844	5,166836	4,923122	4,97664	4,834522	4,9934123	4,911428	-0,08198433	0,9447573	Fgf12
17282098	7,641665	7,103822	6,843409	7,521927	6,748668	7,072368	7,1962987	7,114321	-0,08197767	0,944761666	---
17217058	5,150773	5,329198	5,180759	5,273558	5,160386	4,980897	5,2202433	5,138280333	-0,081963	0,944771271	Slc26a9
17375608	3,898889	3,799324	3,930936	3,795141	3,805037	3,783094	3,876383	3,794424	-0,081959	0,94477389	Slc12a1
17394041	5,828994	5,904927	5,748034	5,740192	5,819547	5,676385	5,8273183	5,745374667	-0,08194367	0,944783932	0610008F07Rik
17547747	3,482985	3,513044	3,440754	3,420541	3,581203	3,189239	3,4789277	3,396994333	-0,08193333	0,944790699	LOC100861903
17336476	5,321313	5,176836	5,265218	5,031049	5,277126	5,209469	5,2544557	5,172548	-0,08190767	0,944807507	H2-Ob
17284471	3,372269	3,173636	3,557501	3,364644	3,1454	3,347643	3,367802	3,285895667	-0,08190633	0,94480838	---
17230877	3,889486	3,375414	3,42522	3,654616	3,219068	3,570719	3,5633733	3,481467667	-0,08190567	0,944808817	---
17212343	4,451962	4,545125	4,289854	4,129756	4,349741	4,561729	4,4289803	4,347075333	-0,081905	0,944809254	---
17275778	5,319024	5,944157	6,024413	5,519595	6,062458	5,459846	5,7625313	5,680633	-0,08189833	0,94481362	Gm527
17494469	4,36798	4,319578	4,246526	4,259439	4,17218	4,256809	4,3113613	4,229476	-0,08188533	0,944822133	Olfr685
17372908	2,867516	2,925886	2,915218	2,801856	2,852615	2,808507	2,9028733	2,820992667	-0,08188067	0,94482519	Olfr1186
17359716	7,268551	7,50532	7,333391	7,244301	7,318255	7,299111	7,3690873	7,287222333	-0,081865	0,94483545	Hif1an
17536278	4,075456	4,074418	3,864996	3,989422	3,652532	4,127322	4,0049567	3,923092	-0,08186467	0,944835668	AU015836
17506177	6,343683	6,499223	6,430259	6,440451	6,367875	6,21926	6,4243883	6,342528667	-0,08185967	0,944838943	Klhl36
17292598	5,457401	5,393439	5,341867	5,188159	5,428412	5,330584	5,397569	5,315718333	-0,08185067	0,944844837	Diras2
17382101	5,030103	4,952582	5,086962	5,019096	4,861772	4,943264	5,0232157	4,941377333	-0,08183833	0,944852914	Etl4 // Etl4
17531887	4,555144	4,591795	4,540927	4,601625	4,622571	4,218189	4,562622	4,480795	-0,081827	0,944860337	Ccr4
17281299	4,936462	5,08323	5,126885	5,030668	4,956133	4,914307	5,048859	4,967036	-0,081823	0,944862956	Nkx2-1
17363983	10,72965	10,60564	10,34595	10,27683	10,50185	10,6571	10,560413	10,47859333	-0,08182	0,944864921	Atad1
17308349	6,992692	7,234368	6,924198	6,771185	7,083745	7,050972	7,0504193	6,968634	-0,08178533	0,944887626	Polr3d
17467100	6,896271	6,766708	6,961465	6,719723	6,833732	6,825634	6,8748147	6,793029667	-0,081785	0,944887844	Gm8239
17201153	6,033252	7,497019	6,254819	6,620383	6,131917	6,787467	6,59503	6,513255667	-0,08177433	0,94489483	---
17461798	7,170355	7,148503	7,303411	7,096855	7,135169	7,144931	7,207423	7,125651667	-0,08177133	0,944896795	Vhl
17500441	5,758012	5,856549	5,691642	5,602386	5,707904	5,750608	5,7687343	5,686966	-0,08176833	0,94489876	Purg
17402711	7,932952	7,856356	7,79377	7,863035	7,771564	7,703301	7,861026	7,7793	-0,081726	0,944926487	Tbck
17327247	4,298859	3,817518	4,063036	3,919492	4,161523	3,853223	4,0598043	3,978079333	-0,081725	0,944927142	---
17231844	9,00355	8,925317	8,981476	8,857479	8,907378	8,900335	8,9701143	8,888397333	-0,081717	0,944932381	Perp
17230942	5,87376	5,571789	5,974694	5,794337	5,774742	5,606021	5,8067477	5,725033333	-0,08171433	0,944934128	---
17546488	5,159414	5,991804	6,157378	5,305217	6,379244	5,378999	5,769532	5,68782	-0,081712	0,944935656	Gm17361 // Gm17361
17382533	6,668715	6,606794	6,261727	6,43126	6,428059	6,432805	6,512412	6,430708	-0,081704	0,944940896	Dpp7
17336602	6,212808	6,251721	5,8154	6,177723	5,824257	6,032852	6,0933097	6,011610667	-0,081699	0,944944171	Pbx2
17407947	5,885379	6,040915	5,697957	5,914627	5,506643	5,957901	5,8747503	5,793057	-0,08169333	0,944947883	C920021L13Rik
17444913	6,346714	6,154962	6,172993	6,065575	6,239496	6,124521	6,2248897	6,143197333	-0,08169233	0,944948538	2210417A02Rik
17521296	2,983143	3,091578	2,819965	2,865655	2,823388	2,960621	2,9648953	2,883221333	-0,081674	0,944960546	---
17297000	4,957732	4,357322	3,676611	4,463088	4,173456	4,110163	4,330555	4,248902333	-0,08165267	0,944974519	4933406F09Rik
17270286	4,729231	5,048008	5,191342	4,844278	4,898519	4,980827	4,989527	4,907874667	-0,08165233	0,944974738	Gm11627
17488287	4,618434	4,575161	4,815565	4,630946	4,718491	4,414779	4,66972	4,588072	-0,081648	0,944977576	---
17358591	5,612369	5,631921	5,590149	5,545116	5,604373	5,440022	5,6114797	5,529837	-0,08164267	0,944981069	Mlana
17512413	7,07854	7,064227	6,868638	7,07188	6,785636	6,909016	7,0038017	6,92217333	-0,08162433	0,944993078	---
17471962	3,813155	3,836485	3,745183	3,529838	3,911809	3,708314	3,7982743	3,716653667	-0,08162067	0,94499548	Tas2r131
17453487	6,440604	6,227966	6,46056	6,543118	6,165986	6,17517	6,3763767	6,294758	-0,08161867	0,94499679	Wbscr28
17202017	6,705808	6,788255	6,889433	6,677504	6,732289	6,728853	6,7944987	6,712882	-0,08161667	0,9449981	---
17461423	10,11535	10,11487	10,05183	9,916196	9,963664	10,15742	10,094017	10,01242667	-0,08159	0,945015567	Arl8b
17431740	4,20437	4,476169	4,423135	4,199525	4,523973	4,13544	4,3678913	4,286312667	-0,08157867	0,945022991	---
17434585	10,39456	10,44893	10,34832	10,20121	10,47788	10,26801	10,39727	10,3157	-0,08157	0,945028668	Abcb4
17469541	5,60428	5,38069	5,280196	5,253329	5,421789	5,345341	5,421722	5,340153	-0,081569	0,945029323	Il5ra
17414738	3,693394	3,618063	3,404855	3,58612	3,227271	3,658231	3,572104	3,490540667	-0,08156333	0,945033035	Orm3
17287432	6,427814	6,513008	6,666141	6,551068	6,403788	6,407423	6,5356543	6,454093	-0,08156133	0,945034345	Cplx2 // Cplx2
17535930	9,294969	9,580531	9,505527	9,36721	9,362922	9,406281	9,4603423	9,378804333	-0,081538	0,94504963	Dkc1
17305167	10,42349	10,44725	10,37566	10,22303	10,45039	10,32842	10,415467	10,33394667	-0,08152	0,945061421	Ghitm
17246392	4,401893	4,156233	4,081612	4,319799	4,003338	4,072049	4,213246	4,131728667	-0,08151733	0,945063168	Olfr767
17461269	3,682787	3,408994	3,318302	3,376377	3,477207	3,311963	3,4700277	3,388515667	-0,081512	0,945066661	---
17486126	4,158821	4,080237	3,962133	3,889759	4,052091	4,014809	4,0670637	3,9855	-0,08151067	0,945067535	---
17313991	7,307272	7,120648	7,0353	7,010236	7,199118	7,009343	7,1544067	7,072899	-0,08150767	0,9450695	Zbed4
17398274	6,57888	6,439407	6,685134	6,426477	6,423679	6,608748	6,567807	6,486301333	-0,08150567	0,94507081	Ppm1l
17513311	7,846618	8,166439	8,111534	8,061998	7,969646	7,848466	8,0415303	7,960036667	-0,08149367	0,945078671	2310061C15Rik
17417306	6,546754	6,727881	6,489548	6,385705	6,514038	6,62003	6,588061	6,506591	-0,08147	0,945094175	Mob3c
17357918	3,655337	3,268341	3,675	3,460044	3,445463	3,4488	3,5328927	3,451435667	-0,081457	0,945102691	Olfr1471
17485702	5,632301	5,657005	5,9914	5,794422	5,67417	5,567746	5,7602353	5,678779333	-0,081456	0,945103346	Leng9
17248666	8,71946	8,581598	8,739977	8,52045	8,605172	8,671124	8,680345	8,598915333	-0,08142967	0,945120597	Rnf145
17447310	8,756432	8,67667	8,713354	8,671079	8,575524	8,655617	8,7154853	8,634073333	-0,081412	0,945132171	Lrpap1
17288859	5,688263	5,518101	5,52723	5,429465	5,57163	5,488299	5,5778647	5,496464667	-0,0814	0,945140032	A830082K12Rik
17306341	4,050066	3,618341	3,91166	3,82664	3,812872	3,69637	3,8600223	3,778627333	-0,081395	0,945143308	Olfr49

17408099	8,032134	7,995298	7,980536	7,87097	7,93937	7,953477	8,002656	7,921272333	-0,08138367	0,945150732	Polr3c	
17299638	7,130113	7,22581	7,612163	7,049993	7,364395	7,309621	7,3226953	7,241336333	-0,081359	0,945166892	Ear6	
17530294	10,6056	10,76672	10,62771	10,42883	10,55405	10,77312	10,666677	10,58533333	-0,08134333	0,945177156	---	
17261156	4,584192	4,981827	4,121347	4,604906	4,520995	4,317476	4,5624553	4,481125667	-0,08132967	0,94518611	---	
17284201	8,773667	9,00239	9,054562	8,863888	8,855321	8,867442	8,9435397	8,862217	-0,08132267	0,945190696	Akt1	
17539040	3,777755	3,741465	3,405129	3,626303	3,578334	3,475783	3,6414497	3,56014	-0,08130967	0,945199213	Samt4	
17481173	3,531288	3,346237	3,503046	3,391478	3,54209	3,203176	3,4601903	3,378914667	-0,08127567	0,945221489	Olfr585	
17233145	2,858603	3,050578	2,987342	2,947861	2,866661	2,838185	2,9655077	2,884235667	-0,081272	0,945223891	---	
17370360	3,453524	3,348995	3,290171	3,308607	3,237102	3,303208	3,36423	3,282972333	-0,08125767	0,945233282	Olfr357	
17337219	4,016677	3,732865	4,040935	3,814386	3,917944	3,814386	3,930159	3,848905333	-0,08125367	0,945235903	---	
17473463	5,252122	4,905819	4,87825	4,70902	5,215075	4,868365	5,0120637	4,93082	-0,08124367	0,945242455	Ccdc106	
17490196	5,350661	5,314409	5,497304	5,32185	5,361156	5,23564	5,387458	5,306215333	-0,08124267	0,94524311	Acpt	
17202417	5,405851	5,441621	5,460238	5,349794	5,160807	5,553407	5,4359033	5,354669333	-0,081234	0,945248788	---	
17279993	5,474345	5,518032	5,675097	5,462481	5,352273	5,609027	5,5558247	5,474593667	-0,081231	0,945250754	4921511I17Rik	
17431749	8,260802	8,086243	8,150238	7,981768	8,040783	8,23104	8,165761	8,084530333	-0,08123067	0,945250972	Pink1	
17498208	6,153502	5,874824	6,22069	5,973867	5,840808	6,190658	6,0830053	6,001777667	-0,08122767	0,945252938	Trpm5	
17485098	5,727846	5,696104	5,582728	5,636786	5,545809	5,580402	5,6688927	5,587665667	-0,081227	0,945253375	Muc5b	
17254047	6,500739	6,822582	6,828036	6,624139	6,527058	6,756488	6,717119	6,635895	-0,081224	0,94525534	Ccl7	
17478587	5,879304	6,049737	5,905895	5,826449	5,987015	5,777841	5,9449787	5,863768333	-0,08121033	0,945264295	A230056P14Rik	
17539125	8,773639	8,852407	8,845968	8,741615	8,700394	8,786389	8,8240047	8,742799333	-0,08120533	0,945267571	Rps6ka3	
17464208	4,258723	4,096846	4,331926	4,156356	4,235949	4,051586	4,229165	4,147963667	-0,08120133	0,945270192	---	
17449553	9,801744	9,863446	9,504531	9,293522	9,416843	10,21576	9,7232403	9,642041667	-0,08119867	0,945271939	---	
17249636	4,842022	4,842425	4,930833	4,752784	4,796147	4,822794	4,87176	4,790575	-0,081185	0,945280894	Csf2	
17547589	5,496026	5,222835	5,48942	5,545094	5,218263	5,20139	5,4027603	5,321582333	-0,081178	0,94528548	Arhgap27 // Arhgap27	
17415430	3,402416	3,699175	3,529947	3,745765	3,318092	3,324153	3,543846	3,46267	-0,081176	0,94528679	---	
17303191	3,748444	4,094902	3,896408	3,828148	3,944918	3,723199	3,9132513	3,832088333	-0,081163	0,945295308	---	
17380888	6,648902	6,676501	6,723675	6,589905	6,645247	6,570439	6,683026	6,601863667	-0,08116233	0,945295745	---	
17504541	7,320085	7,580235	7,630202	7,656806	7,38639	7,243839	7,510174	7,429011667	-0,08116233	0,945295745	Ces2e	
17265247	6,653703	6,816345	6,75665	6,629912	6,626715	6,726625	6,7422327	6,661084	-0,08114867	0,9453047	Pelp1	
17391135	3,496752	3,606795	3,50257	3,210388	3,727977	3,424316	3,5353723	3,454227	-0,08114533	0,945306884	---	
17391270	6,35093	6,338885	6,665817	6,297776	6,410755	6,403697	6,4518773	6,370742667	-0,08113467	0,945313873	Kcnip3	
17341269	4,789343	4,847594	4,998369	4,806036	4,808639	4,777278	4,8784353	4,797317667	-0,08111767	0,945325013	Has1	
17243429	5,454107	5,33714	5,211267	5,427296	5,25661	5,075309	5,3341713	5,253071667	-0,08109967	0,945336807	BC025920 // BC025920	
17521262	3,420363	3,561055	3,847469	3,483934	3,449502	3,652207	3,609629	3,528547667	-0,08108133	0,94534882	---	
17319736	4,86331	5,27385	5,247139	5,004259	5,079879	5,05692	5,1280997	5,047019333	-0,08108033	0,945349476	Mir3080 // Mir3080	
17516515	6,144238	6,340657	6,589346	6,215227	6,361775	6,254	6,3580803	6,277000667	-0,08107967	0,945349912	Rnf26 // Rnf26	
17201133	9,124509	9,190392	9,131192	8,963101	8,849122	9,390635	9,1486977	9,067619333	-0,08107833	0,945350786	---	
17439131	8,527094	8,364587	8,476736	8,438939	8,471003	8,215306	8,456139	8,375082667	-0,08105633	0,945365202	Stbd1	
17383858	6,352415	6,357445	6,528355	6,372282	6,231003	6,391818	6,4127383	6,331701	-0,08103733	0,945377652	Dnm1	
17216527	4,324767	4,637346	4,255046	4,215074	4,311633	4,447341	4,4057197	4,324682667	-0,081037	0,945377871	Cntnap5a	
17410722	4,700767	4,695279	4,931726	4,691606	4,782344	4,610751	4,775924	4,694900333	-0,08102367	0,945386608	Gm15688	
17537773	3,297373	3,094642	3,152063	3,150682	3,172669	2,977683	3,1813593	3,100344667	-0,08101467	0,945392506	Pramel3	
17494588	7,907149	8,097656	7,931425	7,935685	7,856741	7,900787	7,9787433	7,897737667	-0,08100567	0,945398403	Taf10	
17285819	13,02872	13,03966	13,08911	12,92261	12,93251	13,05941	13,052497	12,97151	-0,08098667	0,945410854	Hist1h2af	
17438480	3,629877	3,496011	3,382321	3,395054	3,524472	3,345735	3,5027363	3,421753667	-0,08098267	0,94514375	---	
17221930	3,027269	2,94943	2,875683	2,82482	3,026634	2,757992	2,950794	2,869815333	-0,08097867	0,945416097	---	
17378000	4,067841	3,903882	4,029497	3,806134	4,068514	3,883645	4,0004067	3,919431	-0,08097567	0,945418063	Efcab8	
17371272	3,808833	3,744323	3,764127	3,786164	3,673074	3,615124	3,7724277	3,691454	-0,08097367	0,945419373	---	
17208971	7,28264	7,039289	7,418369	7,546629	7,094914	6,855879	7,246766	7,165807333	-0,08095867	0,945429203	---	
17209891	5,65833	5,401756	5,875621	5,794108	5,218194	5,680537	5,6452357	5,564279667	-0,080956	0,945430951	---	
17509022	5,010178	4,632951	5,001981	4,759041	4,775239	4,867982	4,8817033	4,800754	-0,08094933	0,945435319	Gm2366	
17523531	7,13804	7,301066	7,263061	6,857997	7,364012	7,237327	7,2340557	7,153112	-0,08094367	0,945439033	Tmem42	
17419389	6,537188	6,953101	6,829757	6,692894	6,690673	6,693674	6,7733487	6,692413667	-0,080935	0,945444712	Snhg12	
17484056	2,949886	3,02323	3,134866	2,973156	3,075559	2,816469	3,035994	2,955061333	-0,08093267	0,945446242	---	
17361164	8,021626	8,093303	8,241561	8,230665	7,94289	7,940144	8,11883	8,037899667	-0,08093033	0,945447771	Rad9	
17358891	8,243591	8,375556	8,300839	8,14506	8,182417	8,349771	8,306662	8,225749333	-0,08091267	0,945459348	Pcgf5	
17209053	3,552599	5,052777	5,644813	5,069766	4,640932	4,296789	4,750063	4,669162333	-0,08090067	0,945467212	---	
17201781	4,868377	5,255997	5,495006	5,323982	5,051321	5,001385	5,20646	5,125562667	-0,08089733	0,945469397	---	
17201957	4,868377	5,255997	5,495006	5,323982	5,051321	5,001385	5,20646	5,125562667	-0,08089733	0,945469397	---	
17422510	6,775785	6,716384	6,99281	6,608543	6,749549	6,884206	6,8283263	6,747432667	-0,08089367	0,9454718	2610002J02Rik	
17525488	3,589932	3,372807	3,625129	3,405143	3,386967	3,5531	3,5292893	3,448403333	-0,080886	0,945476824	Gm17689	
17532275	5,846137	6,25232	5,675401	5,610246	5,883951	6,037117	5,9246193	5,843771333	-0,080848	0,945501728	---	
17460506	8,396827	8,396924	8,192689	8,303637	8,255999	8,184283	8,3288133	8,247973	-0,08084033	0,945506753	Gfpt1	
17293521	7,283593	7,078828	7,160943	7,07402	7,063649	7,14318	7,1744547	7,093616333	-0,08083833	0,945508063	LOC100861712 // LOC100861712	
17395189	4,618305	4,910915	4,755849	4,418642	4,888386	4,735528	4,7616897	4,680852	-0,08083767	0,9455085	Gm14393	
17489202	6,373884	6,134566	6,288975	6,409751	6,015474	6,129691	6,2658083	6,184972	-0,08083633	0,945509374	Zbtb32	
17227384	5,108043	5,380093	5,598964	5,24229	5,319675	5,282637	5,3623667	5,281534	-0,08083267	0,945511777	Pkp1	
17202337	6,275095	6,051148	5,810939	6,027667	5,669628	6,197394	6,0457273	5,964896333	-0,080831	0,945512869	---	
17223747	4,066012	3,923877	3,958782	3,937983	3,835018	3,933183	3,9828903	3,902061333	-0,080829	0,94551418	Mdh1b	
17374077	5,533861	5,484986	5,638086	5,450935	5,480568	5,482968	5,552311	5,471490333	-0,08082067	0,945519642	Bdnf	
17510701	9,256285	9,396274	9,216034	9,202518	9,296448	9,127191	9,289531	9,208719	-0,080812	0,945525322	Rbmxl1	
17358051	4,947759	4,910575	5,01459	5,018922	4,788856	4,822782	4,9576413	4,876853333	-0,080788	0,945541051	Trpm6	
17378575	4,794378	5,070575	4,931098	4,890189	4,756068	4,907443	4,932017	4,851233333	-0,08078367	0,945543891	4921517L17Rik	
17457519	7,077687	6,988181	7,364072	7,125213	6,885424	7,176969	7,1433133	7,062535333	-0,080778	0,945547605	Dennd2a	
17477178	5,810107	5,662931	5,721687	5,701841	5,712044	5,538523	5,731575	5,650802667	-0,08077233	0,945551319	Ctu1 // Ctu1	
17517532	5,077866	5,005123	5,065486	4,786734	5,123772	4,995656	5,0494917	4,968720667	-0,080771	0,945552193	Isl2	
17265783	4,968372	4,063631	4,137836	4,459326	3,873947	4,594271	4,3899463	4,309181333	-0,080765	0,945556125	Olfr385	
17290041	4,480924	4,164223	4,112525	4,25224	4,085926	4,177216	4,2525573	4,171794	-0,08076333	0,945557218	---	
17471804	3,102518	3,136768	2,834175	2,942259	3,141637	2,747374	3,024487	2,943756667	-0,08073033	0,945578847	Gm17776	
17250193	4,90115	4,932757	5,072346	4,791057	4,79832	5,074735	4,968751	4,888037333	-0,08071367	0,94558977	Obscn	
17538356	6,784458	6,861897	6,83375	6,737647	6,773295	6,727041	6,8267017	6,745994333	-0,08070733	0,945593921	Alg13	
17352710	3,990763	4,038819	4,318073	4,251239	4,16047	3,693868	4,115885	4,035192333	-0,08069267	0,945603535	Cables1 // Cables1	
17523081	6,093417	6,134878	6,360476	5,856697	6,293775	6,196239	6,196257	6,115570333	-0,08068667	0,945607467	Acvr2b	
17485320	5,395526	5,349336	5,845189	5,408072	5,408911	5,531042	5,530017	5,449341667	-0,08067533	0,945614896	Kcnq1	
17519579	9,940758	9,885729	9,974001	9,792906	9,862075	9,903482	9,933496	9,852821	-0,080675	0,945615114	Gclc	
17256365	7,459811	7,537259	7,611938	7,547337	7,369734	7,449924	7,536336	7,455665	-0,080671	0,945617736	Fkbp10	
17230023	4,64114	5,092793	4,295516	4,577217	4,6429	4,567326	4,676483	4,595814333	-0,08066867	0,945619265	Pydc4	
17216219	3,865241	3,731222	3,7898	3,550068	3,79604	3,798193	3,795421	3,714767	-0,080654	0,945628879	1810006J02Rik	
17393769	3,024969	3,140893	2,786022	2,933753	2,740652	3,035633	2,9839613	2,903346	-0,08061533	0,945654224	---	
17460877	3,451443	2,859797	3,336478	3,285716	3,064856	3,055327	3,215906	3,135299667	-0,08060633	0,945660123	---	
17426855	5,749767	5,696331	5,792226	5,746665	5,592573	5,657282	5,746108	5,665506667	-0,08060133	0,9456634	Ttc39b	
17373616	3,897973	3,70893	3,829498	3,778358	3,71668	3,69962	3,8121337	3,731552667	-0,080581	0,945676729	Lrrc4c	
17256162	7,978388	7,968489	8,0428	7,951287	7,935931	7,86074	7,996559	7,915986	-0,080573	0,945681972	Msl1	
17226669	3,749532	4,003935	3,952538	3,809748	3,849721	3,804821	3,9020017	3,82143	-0,08057167	0,945682846	C4bp-ps1	
17515132	7,960766	7,998895	7,979033	7,877082	8,011224	7,808707	7,9795647	7,899004333	-0,08056033	0,945690275	Atg4d	
17471059	11,07925	11,18142	11,16094	11,0343	11,11203	11,03361	11,140537	11,05998	-0,08055667	0,945692679	Scarna10	
17231757	3,453969	3,656484	3,180969	3,49647	3,269905	3,283386	3,430474	3,349920333	-0,08055367	0,945694645	---	
17547759	3,97626	3,694353	3,653164	3,778656	3,749649	3,553817	3,7745923	3,694040667	-0,08055167	0,945695956	LOC100862265	
17289843	4,434881	4,346232	4,330499	4,424272	4,136735	4,308971	4,3705373	4,289992667	-0,08054467	0,945700545	---	
17548777	12,74497	12,6871	12,70548	12,68231	12,6352	12,57844	12,712517	12,63198333	-0,08053333	0,945707974	Eif1 // Eif1	
17470661	3,210337	3,423764	3,178717	3,140479	3,354518	3,076241	3,2709393	3,190412667	-0,08052667	0,945712344	---	
17425464	6,291823	6,431473	6,09928	5,744341	6,477031	6,359625	6,274192	6,193665667	-0,08052633	0,945712563	---	
17337224	5,369713	5,316052	5,536439	5,109533	5,617943	5,253275	5,4074013	5,326917	-0,08048433	0,945740095	4833427F10Rik	
17499409	5,039496	4,965872	5,049618	5,070988	4,912877	4,829694	5,0183287	4,937853	-0,08047567	0,945745776	---	
17217789	8,029943	7,908751	8,009932	7,75032	7,841291	8,115631	7,9828753	7,902414	-0,08046133	0,945755172	Kif14	
17229050	4,691893	4,675676	5,195695	4,688329	4,878436	4,755198	4,8544213	4,773987667	-0,08043367	0,945773309	Fmo6	
17331907	3,699648	3,748789	3,662632	3,561443	3,770057	3,538302	3,7036897	3,623267333	-0,08042233	0,945780739	Krtap8-1	
17201619	2,991369	2,948718	3,008762	2,774955	2,818468	3,114182	2,9829497	2,902535	-0,08041467	0,945785765	---	
17312485	7,473652	7,269151	7,411741	7,457474	7,305462	7,150378	7,384848	7,3044	-0,08041	0,945788824	Hsf1	
17219435	7,287067	7,281406	6,918217	7,188129	6,872924	7,184412	7,16223	7,081821667	-0,08040833	0,945789917	Slamf6	
17288278	8,479344	8,779292	8,566956	8,638225	8,524171	8,421975	8,6085307	8,528123667	-0,080407	0,945790791	Ptdss1	
17364588	4,716239	4,623702	4,590637	4,522683	4,545752	4,620925	4,643526	4,56312	-0,080406	0,945791447	Opalin	
17548950	5,125146	4,923514	5,229213	4,946855	5,084884	5,004944	5,0926243	5,012227667	-0,08039667	0,945797565	Nenf // Nenf	
17544595	3,869478	3,721574	3,74435	3,776878	3,522121	3,795218	3,7784673	3,698072333	-0,080395	0,945798658	3632454L22Rik	
17420841	5,45147	5,460614	5,593506	5,379428	5,333705	5,55132	5,5018633	5,421484333	-0,080379	0,945809147	---	
17520881	5,830558	5,663104	5,769162	5,720503	5,553009	5,748177	5,7542747	5,673896333	-0,08037833	0,945809584	Gm5627	
17450180	8,184577	8,15692	8,027205	7,999948	8,159637	7,968032	8,1229007	8,042539	-0,08036167	0,945820511	Fam175a	
17503948	7,769977	7,859698	7,683572	7,592718	7,831361	7,648129	7,7710823	7,690736	-0,08034633	0,945830563	Nup93	
17479540	8,254232	8,452388	8,17034	8,127726	8,381188	8,127027	8,29232	8,211980333	-0,08033967	0,945834934	Ngrn	
17482508	4,927381	5,121755	5,236207	4,934542	5,028653	5,081146	5,0951143	5,014780333	-0,080334	0,945838649	Vwa3a	
17220214	6,152332	5,974812	5,982574	5,976425	6,155184	5,737117	6,0365727	5,956242	-0,08033067	0,945840835	Lefty1	
17303916	7,268776	7,136091	7,165126	7,08946	7,066525	7,173091	7,1899977	7,109692	-0,08030567	0,945857225	Camk2g	
17494418	3,034981	3,207292	3,256014	3,15416	3,01244	3,09081	3,1660957	3,085803333	-0,08029233	0,945865966	Trim30e-ps1	
17450877	3,382853	3,370558	3,363842	3,253243	3,270892	3,352276	3,3724177	3,292137	-0,08028067	0,945873615	Vmn2r11	
17353358	8,775444	9,088326	8,838197	8,8833	8,731516	8,846322	8,9006557	8,820379333	-0,08027633	0,945876457	Stard4	
17535473	3,545877	3,958166	3,892503	3,79265	3,693345	3,669733	3,7988487	3,718576	-0,08027267	0,94587886	Pnma3 // Pnma3	
17421384	8,117071	8,157992	8,061526	8,062801	8,051488	7,981494	8,1121963	8,031927667	-0,08026867	0,945881483	1700029I01Rik	
17305719	8,530289	8,577902	8,629622	8,516769	8,583718	8,396541	8,579271	8,499009333	-0,08026167	0,945886072	Cnih	
17341024	3,668841	3,576155	3,854947	3,661437	3,640532	3,557195	3,699981	3,619721333	-0,08025967	0,945887384	---	
17282789	5,774376	5,918377	5,980262	5,817815	5,780813	5,833653	5,891005	5,810760333	-0,08024467	0,945897218	Ngb	
17520979	4,155241	4,035759	4,025506	3,97268	3,934189	4,068908	4,0721687	3,991925667	-0,080243	0,945898311	4932413F04Rik	
17439563	7,498652	7,504542	7,351799	7,371599	7,247117	7,495551	7,4516643	7,371422333	-0,080242	0,945898967	Enoph1	
17361470	5,940589	5,937213	5,754838	5,705563	5,91162	5,774752	5,8775467	5,797311667	-0,080235	0,945903556	Klc2	
17428698	4,259296	4,540514	4,432287	4,33325	4,375548	4,282608	4,410699	4,330468667	-0,08023033	0,945906616	AV051173	

17494719	4,378641	4,307004	4,421342	4,134734	4,356777	4,374817	4,3689957	4,288776	-0,08021967	0,94591361	Olfr711
17323070	7,199886	7,712104	5,762578	5,310339	7,674934	7,44864	6,8915227	6,811304333	-0,08021833	0,945914484	---
17448752	8,730261	8,467694	8,503249	8,429847	8,765496	8,265326	8,567068	8,486889667	-0,08017833	0,945940711	---
17208081	9,423162	8,955229	9,518368	9,516071	9,100719	9,039435	9,2989197	9,218741667	-0,080178	0,945940929	---
17529417	4,907401	4,57295	4,628843	4,619298	4,552969	4,696399	4,7030647	4,622888667	-0,080176	0,94594224	Snap91
17548170	4,534001	4,629548	4,785377	4,596123	4,568298	4,54398	4,649642	4,569467	-0,080175	0,945942896	Gm19501
17249895	3,412409	3,591978	3,99391	3,457297	3,634713	3,665778	3,666099	3,585929333	-0,08016967	0,945946393	---
17300241	3,101826	3,047739	3,048167	2,957485	3,065144	2,934596	3,0659107	2,985741667	-0,080169	0,94594683	---
17234800	8,512551	8,753392	8,546969	8,506237	8,451019	8,615175	8,604304	8,524143667	-0,08016033	0,945952513	Lsm7
17315187	7,456302	7,572066	7,572916	7,488908	7,500371	7,371547	7,5337613	7,453608667	-0,08015267	0,94595754	9430023L20Rik
17495024	6,191095	6,12747	6,041791	6,138452	5,917663	6,063785	6,1201187	6,039966667	-0,080152	0,945957977	---
17202749	7,772702	7,431705	7,84157	7,671965	7,449064	7,684498	7,6819923	7,601842333	-0,08015	0,945959288	---
17406658	6,950976	7,611434	7,255736	6,998301	7,259659	7,319742	7,2727153	7,192567333	-0,080148	0,9459606	---
17449642	6,139546	6,763792	6,412866	6,216535	6,426095	6,433139	6,4387347	6,358589667	-0,080145	0,945962567	---
17414007	7,392076	7,537739	7,294305	7,334922	7,345277	7,303493	7,40804	7,327897333	-0,08014267	0,945964097	Hnrnpf // Hnrnpf
17240109	5,023313	5,193886	5,215335	5,302572	5,100467	4,789084	5,144178	5,064041	-0,080137	0,945967812	Nkain2
17548614	3,863925	3,803085	3,779369	3,752277	3,778688	3,675047	3,8154597	3,735337333	-0,08012233	0,945977429	Gm20115
17506353	6,114802	6,100839	5,927226	5,990984	5,920542	5,990984	6,0476223	5,967503333	-0,080119	0,945979615	Gm22
17348957	7,455159	7,5515	7,430005	7,189015	7,41152	7,595792	7,478888	7,398775667	-0,08011233	0,945983986	Zfp35
17277924	9,049129	9,068687	8,991583	8,835498	8,962775	9,070792	9,0364663	8,956355	-0,08011133	0,945984642	Calm3 // Calm2 // Calm1
17235077	9,428258	9,459274	9,53908	9,522182	9,371119	9,293001	9,4755373	9,395434	-0,08010333	0,945989888	Cnn2
17372862	3,686641	3,26288	3,535294	3,492025	3,506133	3,24638	3,4949383	3,414846	-0,08009233	0,9459971	Olfr153
17362050	5,852127	5,768052	5,865664	5,87652	5,652874	5,716173	5,8286143	5,748522333	-0,080092	0,945997319	Rps6ka4
17329298	5,458179	5,310308	5,193298	5,279886	5,441738	4,999917	5,320595	5,240513667	-0,08008133	0,946004313	Etv5
17341312	3,471874	3,336169	3,426442	3,359635	3,440449	3,194175	3,411495	3,331419667	-0,08007533	0,946008248	Vmn2r106
17415177	8,638481	8,586854	8,642662	8,556343	8,582582	8,488863	8,6226657	8,542596	-0,08006967	0,946011963	Rraga
17545516	4,740269	4,002609	4,063924	4,273738	3,944832	4,348053	4,268934	4,188874333	-0,08005967	0,946018521	---
17208399	5,859863	6,073215	6,210268	6,33123	5,4199	6,152088	6,047782	5,967739333	-0,08004267	0,946029668	---
17253839	9,686978	9,728683	9,811595	9,59308	9,609362	9,7847	9,7424187	9,662380667	-0,080038	0,946032728	Suz12
17334722	6,599819	6,594208	6,395121	6,476222	6,494977	6,377869	6,529716	6,449689333	-0,08002667	0,94604016	Rpusd1
17421665	8,642966	8,727962	8,612619	8,572908	8,542406	8,628195	8,6611823	8,581169667	-0,08001267	0,946049341	Exosc10
17528744	2,877661	3,017612	3,096603	2,84834	3,077572	2,825929	2,997292	2,917280333	-0,08001167	0,946049996	---
17269018	4,713746	4,915132	4,849104	4,719558	4,855698	4,662696	4,825994	4,745984	-0,08001	0,946051089	Krt25
17494503	7,132116	7,266473	7,296947	7,15514	7,139918	7,160482	7,2318453	7,151846667	-0,07999867	0,946058521	Prkcdbp
17413213	7,45315	7,45315	7,573059	7,475872	7,350931	7,412564	7,4931197	7,413122333	-0,07999733	0,946059395	Stoml2 // Stoml2
17300179	3,847115	3,677152	3,476528	3,512504	3,69659	3,551755	3,6669317	3,586949667	-0,079982	0,94606945	---
17484049	6,331022	6,233214	6,138006	6,139357	6,273812	6,049153	6,2340807	6,154107333	-0,07997333	0,946075134	Gpr26
17207601	7,881068	7,422546	6,809569	7,565221	7,082963	7,22514	7,371061	7,291108	-0,079953	0,946088468	---
17275576	7,819809	8,009264	7,76265	7,734559	7,824889	7,792419	7,8639077	7,783955667	-0,079952	0,946089124	Brms1l
17452139	5,839297	5,853759	6,047923	5,831387	5,749489	5,920302	5,9136597	5,833726	-0,07993367	0,946101146	Rph3a
17204633	6,123296	5,429463	5,831457	5,972727	5,921252	5,250437	5,7947387	5,714805333	-0,07993333	0,946101365	---
17337574	3,80939	3,731028	3,611981	3,611066	3,958308	3,343233	3,7174663	3,637535667	-0,07993067	0,946103114	Olfr109
17285696	4,401269	4,630422	4,439818	4,544187	4,16481	4,522748	4,490503	4,410581667	-0,07992133	0,946109234	Hist1h2bp
17357221	7,310678	8,385948	7,684511	7,881152	8,230215	7,030014	7,7937123	7,713793667	-0,07991867	0,946110983	---
17207905	4,533414	4,417756	4,928323	4,713939	4,116777	4,809109	4,6264977	4,546608333	-0,07988933	0,94613022	---
17214162	5,517251	5,653883	5,517704	5,509424	5,660484	5,279287	5,562946	5,483065	-0,079881	0,946135685	Gpbar1
17513181	6,175224	5,768486	6,279457	5,858613	6,368455	5,756487	6,074389	5,994518333	-0,07987067	0,946142462	Chst5
17313430	7,575519	7,421143	7,456102	7,47124	7,451707	7,29022	7,4842547	7,404389	-0,07986567	0,946145741	1700029P11Rik
17391241	3,777526	3,772772	3,903934	3,684383	3,664913	3,865363	3,8180773	3,738219667	-0,07985767	0,946150987	1810024B03Rik
17435505	4,313235	4,279268	4,32472	4,204781	4,15246	4,32044	4,305741	4,225893667	-0,07984733	0,946157764	Actr3b
17212406	7,810546	7,811358	7,491817	7,693302	7,600708	7,580171	7,7045737	7,624727	-0,07984667	0,946158202	Bivm
17359902	8,522259	8,730636	8,72739	8,590466	8,592021	8,55829	8,660095	8,580259	-0,079836	0,946165197	Nolc1
17290770	8,178568	8,130916	7,784803	7,882454	7,891731	8,080618	8,031429	7,951601	-0,079828	0,946170444	Mrpl32
17263087	7,024072	7,191802	7,265831	7,158689	6,951557	7,131991	7,1605683	7,080745667	-0,07982267	0,946173941	---
17389299	3,088494	3,152855	3,189692	3,224947	2,970222	2,996447	3,1436803	3,063872	-0,07980833	0,946183342	Olfr1309
17208063	6,203218	6,125648	5,666168	6,085236	5,618694	6,051773	5,9983447	5,918567667	-0,079777	0,946203892	---
17470301	9,649092	9,580444	9,273993	9,253025	9,38764	9,623563	9,5011763	9,421409333	-0,079767	0,94621045	Adipor2
17432145	5,169805	4,956285	5,132409	4,892217	4,878375	5,248642	5,0861663	5,006411333	-0,079755	0,946218321	---
17286181	3,506528	3,456756	3,589488	3,506528	3,602498	3,204521	3,5175907	3,437849	-0,07974167	0,946227066	Prl8a2
17261896	4,358807	4,36798	4,416757	4,178369	4,382195	4,343828	4,3811813	4,301464	-0,07971733	0,946243026	Gabra1
17547585	3,822801	3,83188	3,638007	3,767519	3,589573	3,696447	3,7642293	3,684513	-0,07971633	0,946243681	LOC100504826
17491885	4,630661	4,319233	4,434969	4,450387	4,472498	4,222863	4,461621	4,381916	-0,079705	0,946251115	---
17236255	4,663054	4,158989	4,582486	4,422817	4,298316	4,444282	4,4681763	4,388471667	-0,07970467	0,946251334	1700113H08Rik
17310950	6,610316	6,702657	6,465536	6,162326	6,722058	6,655012	6,5928363	6,513132	-0,07970433	0,946251552	Pop1
17543767	3,691921	3,803723	3,613396	3,707291	3,397384	3,765273	3,7030133	3,623316	-0,07969733	0,946256143	4930519F16Rik
17205707	3,930268	5,17515	4,848553	4,447147	4,539073	4,728662	4,6513237	4,571627333	-0,07969633	0,946256799	---
17535722	4,384792	4,913193	4,864302	4,680645	4,486636	4,755955	4,7207623	4,641078667	-0,07968367	0,946265107	Opn1mw
17246131	7,681384	7,550914	7,682741	7,608445	7,464665	7,602911	7,6383463	7,558673667	-0,07967267	0,946272322	Obfc2b
17524311	4,526548	4,621201	4,693886	4,869491	4,519772	4,213368	4,6138783	4,534210333	-0,079668	0,946275383	Muc16
17539110	4,448963	4,587617	4,469662	4,159845	4,565846	4,541672	4,5020807	4,422454333	-0,07962633	0,946302713	Smpx
17271257	8,157001	7,903815	8,119658	8,146526	7,803044	7,992064	8,060158	7,980544667	-0,07961333	0,94631124	---
17380089	4,409626	4,978716	4,596023	4,601134	4,528192	4,61626	4,661455	4,581862	-0,079593	0,946324578	Mc3r
17367652	6,038171	6,527082	5,867113	6,040211	6,11629	6,037147	6,144122	6,064549333	-0,07957267	0,946337915	Il1f9
17346069	5,662536	6,209793	6,331187	6,035691	5,890457	6,03878	6,0678387	5,988309333	-0,07952933	0,94636634	Zfp119b // Zfp119b
17205355	5,881423	5,656068	5,894371	5,642088	5,775436	5,77586	5,8106207	5,731128	-0,07949267	0,946390393	---
17533746	5,291319	5,263302	5,376835	5,094606	5,197716	5,400661	5,3104853	5,230994333	-0,079491	0,946391486	Agtr2
17522842	5,109241	4,96088	5,008096	5,076707	4,856039	4,907018	5,0260723	4,946588	-0,07948433	0,946395859	---
17341392	4,154363	3,744396	3,490184	4,165556	3,60036	3,384583	3,7963143	3,716833	-0,07948133	0,946397827	Zfp947
17345581	6,311208	6,21573	6,326106	6,316289	6,245277	6,053042	6,284348	6,204869333	-0,07947867	0,946399577	Ptcra
17283014	9,186993	9,228073	9,169678	9,065151	9,117236	9,163939	9,1949147	9,115442	-0,07947267	0,946403513	Gtf2a1
17300839	7,853808	8,091111	7,870112	7,845714	7,89787	7,833057	7,9383437	7,858880333	-0,07946333	0,946409635	Mphosph8
17362028	6,047014	5,926315	6,160604	5,816239	6,108981	5,970465	6,0446443	5,965228333	-0,079416	0,946440686	Nrxn2 // Nrxn2
17530802	7,331484	7,483085	7,307179	7,185405	7,277373	7,420727	7,373916	7,294501667	-0,07941433	0,94644178	Rbm15b
17419469	8,232841	8,290119	8,213629	8,041915	8,244978	8,211511	8,2455297	8,166134667	-0,079395	0,946454463	Rpa2
17510856	7,354307	7,481541	6,98641	7,145959	7,284513	7,153638	7,274086	7,194703333	-0,07938267	0,946462554	Il15
17208191	6,423637	6,242718	6,692287	6,758859	5,995244	6,366406	6,4528807	6,373503	-0,07937767	0,946465834	---
17374972	6,421175	6,662006	6,560141	6,575315	6,429427	6,400454	6,547774	6,468398667	-0,07937533	0,946467365	Jmjd7
17232119	3,900461	3,866824	4,144279	3,950976	3,860288	3,862179	3,9705213	3,891147667	-0,07937367	0,946468458	Slc2a12
17430304	4,661961	4,49395	4,606341	4,579018	4,571956	4,373191	4,5874173	4,508055	-0,07936233	0,946475894	1700086P04Rik
17332728	4,769813	4,92556	4,792761	4,94037	4,459949	4,849741	4,829378	4,75002	-0,079358	0,946478737	Cldn20
17265917	7,558547	7,513049	7,606628	7,318718	7,56952	7,551913	7,559408	7,480050333	-0,07935767	0,946478955	Dph1
17497276	4,600654	4,300284	4,436375	4,363051	4,356596	4,379596	4,445771	4,366414333	-0,07935667	0,946479611	---
17448467	6,178447	6,146035	6,11077	5,966507	6,288587	5,942102	6,145084	6,065732	-0,079352	0,946482673	Bend4
17260798	4,842747	4,736814	4,957393	4,848959	4,706186	4,743783	4,8456513	4,766309333	-0,079342	0,946489233	---
17442187	7,927078	7,926299	7,997275	7,772856	7,870143	7,969642	7,9502173	7,870880333	-0,079337	0,946492514	Tmem120b
17290398	10,22461	10,42582	10,16027	10,02717	10,29127	10,25426	10,270233	10,1909	-0,07933333	0,946494919	Gtpbp4
17271005	9,636576	9,514233	9,612283	9,501378	9,500787	9,523006	9,5876973	9,508390333	-0,079307	0,946512196	Smurf2
17280431	6,383159	6,375452	6,420721	6,409949	6,276038	6,255433	6,3931107	6,313806667	-0,079304	0,946514164	Tpo
17372840	3,94831	3,747976	3,572154	3,794681	3,783477	3,45246	3,7561467	3,676872667	-0,079274	0,946533846	Olfr1121
17439585	5,594923	6,204437	6,033852	6,008259	5,559388	6,02778	5,944404	5,865142333	-0,07926167	0,946541938	2310034O05Rik // 2310034O05Rik
17530137	5,861973	5,216059	5,366775	5,403666	5,336242	5,467115	5,4816023	5,402341	-0,07926133	0,946542157	Tmem22
17290629	9,09509	9,231836	9,070133	9,056494	9,127827	8,974982	9,132353	9,053101	-0,079252	0,94654828	Lgals8
17256513	5,773159	5,789795	5,906734	5,817842	5,710563	5,703549	5,8232293	5,743984667	-0,07924467	0,946553092	Hsd17b1
17372242	7,884674	8,068236	7,754996	7,948494	7,742729	7,778982	7,9026353	7,823401667	-0,07923367	0,946560309	Plekha3
17392627	6,590804	6,702666	6,640719	6,46201	6,656101	6,5784	6,6447297	6,565503667	-0,079226	0,946565339	Gm14133
17232929	10,31168	10,22604	10,37488	10,159	10,24883	10,26711	10,3042	10,22498	-0,07922	0,946569276	Snx3
17491728	4,311777	4,171932	4,243714	4,276901	4,104616	4,108265	4,2424743	4,163260667	-0,07921367	0,946573431	Mir344
17384826	4,808143	4,820878	4,674818	4,608086	4,793771	4,664354	4,7679463	4,688737	-0,07920933	0,946576274	Lrp1b
17290815	8,455948	8,509303	8,26558	8,172753	8,406254	8,414197	8,410277	8,331068	-0,079209	0,946576493	Rala
17494528	12,61167	12,95578	12,55873	12,59459	12,70696	12,58706	12,708727	12,62953667	-0,07919	0,946588959	Hpx
17350258	3,020767	3,110096	3,084008	2,92816	3,155282	2,893887	3,0716237	2,992443	-0,07918067	0,946595083	---
17530141	9,137163	8,988747	9,061103	9,023299	9,000061	8,926164	9,0623377	8,983174667	-0,079163	0,946606675	Pccb
17426636	3,673503	3,305239	3,279821	3,393638	3,480945	3,146543	3,419521	3,340375333	-0,07914567	0,946618048	---
17250129	6,495065	6,695265	6,7218	6,389057	6,491492	6,794149	6,6373767	6,558232667	-0,079144	0,946619141	2810021J22Rik
17440335	4,409786	3,618153	3,356521	3,615837	3,53904	3,992264	3,79482	3,715713667	-0,07910633	0,946643857	Vmn2r17
17473570	4,70543	4,050398	4,292678	4,345191	4,348277	4,117737	4,349502	4,270401667	-0,07910033	0,946647794	Gm6792
17235029	6,520111	6,262299	6,225819	6,19948	6,359034	6,212416	6,3360763	6,256976667	-0,07909967	0,946648231	Kiss1r
17264884	5,286025	6,059847	5,592834	5,621994	5,489473	5,589942	5,6462353	5,567136333	-0,079099	0,946648668	BC096441
17296595	5,709403	5,383186	5,115653	5,468239	5,262071	5,240651	5,4027473	5,323653667	-0,07909367	0,946652168	D830030K20Rik
17203417	7,877403	7,335426	7,90617	7,814357	7,41454	7,652824	7,706333	7,627240333	-0,07909267	0,946652824	---
17371053	3,598579	3,699841	3,924389	3,690678	3,841439	3,453487	3,7409363	3,661868	-0,07906833	0,946668791	---
17510735	6,88943	6,907598	6,991343	6,684099	6,96506	6,902028	6,929457	6,850395667	-0,07906133	0,946673384	Smad1
17413550	5,39435	5,204203	5,492548	5,261144	5,316283	5,276493	5,3637003	5,28464	-0,07906033	0,946674041	---
17263877	7,195168	7,110538	6,877737	6,837191	7,050013	7,059095	7,0611477	6,982099667	-0,079048	0,946682134	Prpsap2
17368920	7,125696	7,178187	7,002965	6,969868	7,218633	6,881236	7,1022827	7,023245667	-0,079037	0,946689352	Urm1
17339215	4,080804	3,990749	3,737048	3,85637	3,82648	3,888674	3,9362003	3,857174667	-0,07902567	0,946696789	LOC433134
17472180	5,173539	5,148055	5,299566	5,105461	5,114364	5,164289	5,2070533	5,128038	-0,07901533	0,946703569	C030030A07Rik
17232910	3,273573	3,374415	4,403801	3,736367	3,403802	3,674581	3,6839297	3,604916667	-0,079013	0,946705101	Mir3473b // Mir3473b
17447045	7,797448	7,544489	7,700073	7,638508	7,742132	7,424356	7,68067	7,601665333	-0,07900467	0,946710569	Pisd
17448682	4,306673	4,311925	4,337761	4,373683	4,229361	4,116302	4,3187863	4,239782	-0,07900433	0,946710788	Cnga1
17421242	3,049627	3,103741	3,157486	3,034494	2,985717	3,053682	3,103618	3,024631	-0,078987	0,946722162	Gm13103
17398912	4,543391	4,244714	4,101912	4,103993	4,333972	4,215158	4,2966723	4,217707667	-0,07896467	0,946736818	---
17382841	6,02278	6,159743	6,696218	6,579661	5,671858	6,390338	6,2929137	6,213952333	-0,07896133	0,946739005	C330006A16Rik
17210125	5,177156	5,900676	5,666248	5,593597	5,33877	5,574848	5,58136	5,502405	-0,078955	0,946743161	---

17371265	2,86968	2,855978	2,797147	2,718955	2,835685	2,731318	2,840935	2,761986	-0,078949	0,946747099	---	
17511318	10,70244	10,70789	10,65912	10,53497	10,63698	10,66068	10,689817	10,61087667	-0,07894	0,946753005	Vps35	
17202371	7,45193	7,196796	7,785297	7,191014	7,613985	7,392221	7,4780077	7,399073333	-0,07893433	0,946756723	---	
17256655	5,320968	5,218196	5,386449	5,15319	5,334212	5,201413	5,3085377	5,229605	-0,07893267	0,946757817	Becn1	
17495340	8,514951	8,683857	8,319712	8,331224	8,364244	8,586275	8,5061733	8,427247667	-0,07892567	0,946762411	Sox6	
17219554	5,858942	5,597691	5,900991	5,661151	5,81063	5,649089	5,7858747	5,706956667	-0,078918	0,946767442	Igsf9	
17225224	5,714458	5,894894	5,757261	5,621477	5,764621	5,743764	5,788871	5,709954	-0,078917	0,946768098	Ecel1	
17344866	3,375338	3,215977	3,281733	3,414239	3,049379	3,172712	3,291016	3,21211	-0,078906	0,946775317	Olfr102	
17205981	6,51812	6,478787	6,833165	6,793832	5,839296	6,960254	6,610024	6,531127333	-0,07889667	0,946781442	---	
17220974	7,253873	7,205637	7,312154	7,096222	6,938101	7,500704	7,2572213	7,178342333	-0,078879	0,946793036	Plxna2	
17324356	11,97819	12,18887	11,92756	11,99368	11,92029	11,94402	12,03154	11,95266333	-0,07887667	0,946794567	Kng1	
17266629	8,22147	8,340342	8,219838	8,136442	8,212399	8,196209	8,26055	8,181683333	-0,07886667	0,94680113	Utp6	
17363598	8,336774	8,229736	8,432825	8,250416	8,242373	8,270041	8,3331117	8,254276667	-0,078835	0,946821912	Fxn	
17538807	4,255931	5,36541	5,040438	5,096822	3,018262	6,310274	4,8872597	4,808452667	-0,078807	0,946840289	---	
17308456	9,750744	9,85931	9,894851	9,380869	10,02909	9,858533	9,8349683	9,756164	-0,07880433	0,946842039	---	
17239687	5,850079	5,58047	5,573452	5,564697	5,536904	5,666001	5,6680003	5,589200667	-0,07879967	0,946845101	Gm6846	
17246963	6,677896	7,099219	6,910935	6,927691	6,973874	6,550148	6,8960167	6,817237667	-0,078779	0,946858665	---	
17288172	3,055587	3,071681	3,120691	2,908965	2,933945	3,168764	3,082653	3,003891333	-0,07876167	0,946870041	4930458L03Rik	
17270721	5,393131	5,606955	5,659615	5,525804	5,528459	5,369326	5,5532337	5,474529667	-0,078704	0,94690789	Dcaf7 // Dcaf7	
17314699	5,441418	5,157879	5,477047	5,048972	5,189325	5,601951	5,3587813	5,280082667	-0,07869867	0,94691139	Prph	
17448997	5,370039	5,205591	5,196909	5,207561	5,060111	5,268901	5,257513	5,178857667	-0,07865533	0,946939833	Nmu	
17501277	5,178043	5,164449	5,100404	5,29353	4,962208	4,951264	5,147632	5,069000667	-0,07863133	0,946955586	5033428I22Rik	
17272926	5,709011	5,762025	5,875419	5,645953	5,788261	5,676397	5,7821517	5,703537	-0,07861467	0,946966525	Nptx1	
17347533	8,142103	8,215014	8,040031	7,968339	8,116504	8,076462	8,1323827	8,053768333	-0,07861433	0,946966744	Sos1	
17545135	5,373417	5,095158	5,227033	5,249566	4,991376	5,218893	5,2318693	5,153278333	-0,078591	0,94698206	Trpc5	
17412793	4,563826	4,493526	4,867547	4,441283	4,925903	4,321945	4,641633	4,563043667	-0,07858933	0,946983154	Spink4	
17506732	8,397893	8,396961	8,340164	8,215485	8,337561	8,346284	8,3783393	8,299776667	-0,07856267	0,947000658	Galnt2	
17420422	6,073071	5,575628	5,915765	5,690937	5,918635	5,719278	5,8548213	5,776283333	-0,078538	0,94701685	2310026L22Rik	
17539842	4,480212	4,409003	4,374345	4,517936	4,271733	4,238343	4,4211867	4,342670667	-0,078516	0,947031291	---	
17337417	4,026099	3,548946	4,316557	4,023372	3,865118	3,767643	3,9638673	3,885377667	-0,07848967	0,947048577	---	
17376441	4,193627	4,183487	3,730304	3,838096	4,064468	3,969396	4,035806	3,95732	-0,078486	0,947050984	---	
17333169	5,933037	5,626708	5,862023	5,706167	5,699395	5,780748	5,807256	5,72877	-0,078486	0,947050984	1700010I14Rik	
17525476	3,031034	3,070079	3,040121	2,826779	3,088405	2,990749	3,047078	2,968644333	-0,07843367	0,947085339	---	
17204173	3,502463	4,875532	3,658941	4,212664	3,757764	3,831208	4,012312	3,933878667	-0,07843333	0,947085558	---	
17529966	8,309051	8,424192	8,336117	8,291083	8,307586	8,235458	8,3564533	8,278042333	-0,078411	0,947100219	Mrps22	
17373696	5,846581	5,925568	5,848001	5,65007	5,844602	5,89027	5,8733833	5,794980667	-0,07840267	0,94710569	Slc1a2	
17427240	8,68117	8,790695	8,725754	8,631187	8,684361	8,646875	8,7325397	8,654141	-0,07839867	0,947108316	Plaa	
17364007	3,233192	3,353311	3,189692	3,536116	3,048899	2,955995	3,2587317	3,180336667	-0,078395	0,947110723	---	
17512119	2,959094	3,226557	2,853716	2,844364	3,018262	2,941576	3,0131223	2,934734	-0,07838833	0,947115099	---	
17204007	3,030227	3,44886	3,617701	3,302374	3,288399	3,270921	3,365596	3,287231333	-0,07836467	0,947130636	---	
17446213	4,084801	3,994832	4,177823	3,893951	4,050952	4,077459	4,0858187	4,007454	-0,07836467	0,947130636	Gbx1	
17236821	4,085986	3,86815	3,747925	3,875808	3,765087	3,826098	3,900687	3,822331	-0,078356	0,947136326	Epyc	
17341781	7,918598	7,977519	8,129106	7,954855	7,887774	7,947529	8,0084077	7,930052667	-0,078355	0,947136983	Ccnf	
17525690	4,225013	3,676277	3,563426	3,649955	3,866749	3,713002	3,821572	3,743235333	-0,07833667	0,947149019	Olfr891	
17257361	6,091565	6,466352	6,289069	6,097273	6,179667	6,335039	6,2823287	6,203993	-0,07833567	0,947149675	Mrc2	
17424802	6,009523	5,509549	5,949401	5,830955	5,485463	5,917062	5,8228243	5,744493333	-0,078331	0,947152739	Olfr70	
17284602	3,000703	3,426899	3,015781	3,34653	2,968087	2,893802	3,1477943	3,069473	-0,07832133	0,947159085	---	
17423509	3,820901	3,6967	3,569881	3,676446	3,549693	3,626421	3,6958273	3,61752	-0,07830733	0,947168276	---	
17537199	5,040331	4,677787	4,730576	4,949272	4,799383	4,465129	4,8162313	4,737928	-0,07830333	0,947170903	Gm6377	
17488792	8,07786	8,125113	8,078703	7,996937	8,07499	7,974869	8,093892	8,015598667	-0,07829333	0,947177468	Kcnk6	
17427108	9,330082	9,175677	9,076493	8,991587	9,173113	9,182749	9,194084	9,115816333	-0,07826767	0,947194319	Klhl9	
17206239	6,804932	6,145717	6,601484	6,76945	6,348212	6,199672	6,5173777	6,439111333	-0,07826633	0,947195194	---	
17209087	4,210738	3,939696	4,930834	4,118501	4,381765	4,346232	4,3604227	4,282166	-0,07825667	0,947201541	---	
17523642	4,498209	4,18937	4,642416	4,466621	4,212293	4,416324	4,4433317	4,365079333	-0,07825233	0,947204386	Cxcr6	
17389596	3,297877	3,406562	3,459713	3,311282	3,305913	3,312219	3,3880507	3,309804667	-0,078246	0,947208544	3110099E03Rik	
17205681	4,003585	4,602025	5,187486	4,229935	4,189805	5,138644	4,5976987	4,519461333	-0,07823733	0,947214234	---	
17204119	4,100362	4,8601	3,612304	4,477303	3,846084	4,01467	4,190922	4,112685667	-0,07823633	0,947214891	---	
17266489	9,56703	9,616083	9,558601	9,60072	9,482819	9,423491	9,5805713	9,502343333	-0,078228	0,947220362	Tmem97	
17435170	5,477994	5,500134	5,256211	5,31905	5,210773	5,469837	5,4114463	5,33222	-0,07822633	0,947221457	6030443J06Rik	
17530755	7,235857	7,291951	7,454435	7,213256	7,305146	7,229197	7,3274143	7,249199667	-0,07821467	0,947229117	Rad54l2	
17206219	5,693398	5,747092	5,672129	5,672605	5,482726	5,722667	5,7042063	5,625999333	-0,078207	0,94723415	---	
17515884	7,44208	7,813995	7,443649	6,968349	7,801986	7,694797	7,5665747	7,488377333	-0,07819733	0,947240497	---	
17301943	5,060476	4,873329	4,787009	4,782178	4,989631	4,714427	4,906938	4,828745333	-0,07819267	0,947243561	Gm10847	
17220277	4,405798	4,176509	4,223736	4,239594	4,135558	4,196324	4,268681	4,190492	-0,078189	0,947245969	Dnahc14	
17214269	4,614858	4,552556	4,723344	4,483817	4,645021	4,527394	4,6302527	4,552077333	-0,07817533	0,947254942	Plcd4	
17432418	4,132054	3,879561	4,311262	3,855013	4,240539	3,992814	4,1076257	4,029455333	-0,07817033	0,947258225	---	
17328543	4,011427	3,828336	3,707642	3,774655	3,927974	3,610293	3,849135	3,770974	-0,078161	0,947264353	4933404G15Rik	
17430307	5,350022	5,20163	5,036526	5,365188	4,883753	5,104798	5,1960593	5,117913	-0,07814633	0,947273983	Hpca	
17532953	7,62254	7,60598	7,568755	7,558974	7,478159	7,525749	7,5990917	7,520960667	-0,078131	0,947284051	Tfe3	
17425525	4,825969	4,887721	4,668361	4,627664	4,812967	4,707041	4,794017	4,715890667	-0,07812633	0,947287115	6430704M03Rik	
17339973	7,875753	8,016707	8,078738	7,615043	8,120759	8,001061	7,9903993	7,912287667	-0,07811167	0,947296746	Pkdcc	
17379384	3,176046	3,154915	3,117199	2,955491	3,228872	3,029487	3,1493867	3,071283333	-0,07810333	0,947302217	Svs3a	
17376541	7,071082	6,856554	6,972694	6,792872	6,892622	6,98056	6,9667767	6,888684667	-0,078092	0,947309659	Prnp	
17397400	3,433795	3,255802	3,250514	3,121798	3,290009	3,294064	3,3133703	3,235290333	-0,07808	0,947317539	Gm20557	
17461114	4,195158	4,292444	4,39738	4,309974	4,079928	4,26093	4,294994	4,216944	-0,07805	0,947337238	Fam19a1	
17208445	6,284208	6,398339	6,701069	6,344724	6,653449	6,151312	6,4612053	6,383161667	-0,07804367	0,947341397	---	
17290777	3,572838	3,51437	3,584439	3,575827	3,423836	3,437857	3,5572157	3,479173333	-0,07804233	0,947342272	4933412O06Rik	
17264402	5,264642	5,058035	4,95718	4,981006	5,044735	5,020172	5,0932857	5,015304333	-0,07798133	0,947382328	---	
17395108	6,792159	6,437297	6,526449	6,695502	6,355688	6,470771	6,5853017	6,507320333	-0,07798133	0,947382328	Ppp4r1l-ps	
17257663	10,01731	10,00099	9,967212	9,874384	9,941161	9,936028	9,9951707	9,917191	-0,07797967	0,947383423	Psmd12	
17272626	5,13718	5,184813	5,316026	4,975049	5,210763	5,218273	5,212673	5,134695	-0,077978	0,947384517	Dnahc17	
17256066	6,744122	6,602538	6,84438	6,635748	6,760546	6,560822	6,7303467	6,652372	-0,07797467	0,947386706	Gm12	
17235663	7,58479	7,847594	7,747202	7,688986	7,575616	7,68108	7,7265287	7,648560667	-0,077968	0,947391084	Pip5k1c	
17390263	7,091723	7,213917	7,31845	6,973384	7,277914	7,138888	7,20803	7,130062	-0,077968	0,947391084	Cdan1	
17415570	8,38464	8,454107	8,464392	8,380289	8,348342	8,340612	8,4343797	8,356414333	-0,07796533	0,947392835	Hook1	
17471717	3,345515	3,050126	3,515354	3,340138	3,097262	3,239729	3,303665	3,225709667	-0,07795533	0,947399402	Klra11	
17372388	4,696109	5,180147	4,840331	4,9005	5,034408	4,547832	4,905529	4,82758	-0,077949	0,947403561	Prdx6b	
17543852	9,794916	9,765626	9,657434	9,637086	9,644918	9,702125	9,7393253	9,661376333	-0,077949	0,947403561	Abcb7	
17272594	9,414969	9,259205	9,417695	9,457939	9,281472	9,118693	9,3639563	9,286034667	-0,07792167	0,947421511	Tk1	
17304461	11,34252	11,44778	11,4541	11,4574	11,30354	11,2497	11,4148	11,33688	-0,07792	0,947422605	Itih1	
17334922	6,238531	5,876369	6,20141	6,047191	5,821898	6,213493	6,1054367	6,027527333	-0,07790933	0,94742961	Neurl1b	
17502609	4,132274	4,130088	4,17362	4,018053	4,167117	4,017165	4,1453273	4,067445	-0,07788233	0,947447342	1700007B14Rik	
17238900	6,223991	6,089464	6,645618	6,397036	5,963963	6,36448	6,319691	6,241826333	-0,07786467	0,947458944	Syne1	
17267209	7,43125	7,578734	7,595818	7,482583	7,497454	7,392174	7,5352673	7,457403667	-0,07786367	0,9474596	Brip1	
17201455	6,745077	6,793561	6,360835	6,58383	6,473879	6,608258	6,6331577	6,555322333	-0,07783533	0,947478208	---	
17547696	6,967262	7,276046	7,304724	7,329472	7,092747	6,892317	7,1826773	7,104845333	-0,077832	0,947480397	Polr2h // Polr2h	
17287144	5,211813	5,200225	5,126355	5,177282	5,022415	5,105223	5,1794643	5,10164	-0,07782433	0,947485432	Dcun1d1	
17521673	11,51968	11,41072	11,33867	11,24333	11,40503	11,38729	11,423023	11,34521667	-0,07780667	0,947497035	Rhoa	
17282828	5,134204	5,154397	4,666396	5,134867	4,81465	4,772064	4,984999	4,907193667	-0,07780533	0,94749791	4933437F05Rik	
17548504	8,349854	8,396276	8,468838	8,160501	8,427979	8,393152	8,4049893	8,327210667	-0,07777867	0,947515424	---	
17312941	8,926494	8,706358	9,068986	8,819577	8,929644	8,719314	8,9006127	8,822845	-0,07776767	0,947522648	---	
17204999	7,95285	7,729219	8,192838	7,971661	7,701078	7,968874	7,9583023	7,880537667	-0,07776467	0,947524619	---	
17431586	2,951773	3,063457	3,062654	2,948606	3,0204	2,875596	3,0259613	2,948200667	-0,07776067	0,947527246	---	
17358838	8,793329	8,704735	8,645178	8,563481	8,626884	8,719622	8,714414	8,636662333	-0,07775167	0,947533157	Kif20b	
17395009	4,225339	4,039212	4,245557	4,046733	4,084826	4,145309	4,170036	4,092289333	-0,07774667	0,947536441	Cbln4	
17232892	11,17092	11,16576	11,13803	11,03204	11,13682	11,07266	11,158237	11,08050667	-0,07773	0,947547387	Cd164	
17276558	7,518753	7,668273	7,503496	7,469563	7,432487	7,555313	7,5635073	7,485787667	-0,07771967	0,947554174	Zbtb1	
17394726	5,817616	5,869886	6,227272	5,638063	6,085292	5,958263	5,9715913	5,893872667	-0,07771867	0,947554831	---	
17359623	6,079798	6,518045	6,424904	6,182	6,447775	6,159846	6,3409157	6,263207	-0,07770867	0,947561399	Cutc	
17468957	5,550557	4,703321	5,361813	5,166355	5,170378	5,045846	5,2052303	5,12752633	-0,077704	0,947564464	---	
17417946	5,643288	5,130922	5,457151	5,347889	5,284614	5,365746	5,4104537	5,332749667	-0,077704	0,947564464	Guca2a	
17241409	10,54535	10,39387	10,41074	10,33821	10,38069	10,39804	10,449987	10,37231333	-0,07767333	0,947584606	Srgn	
17344355	6,625525	6,409897	6,597379	6,618492	6,298433	6,482907	6,544267	6,466610667	-0,07765633	0,947595772	Vars2	
17204573	3,387842	4,255931	3,61725	3,461071	4,165556	3,40143	3,7536743	3,676019	-0,07765533	0,947596429	---	
17443353	5,014184	5,024605	5,342319	5,354951	5,070387	4,722812	5,127036	5,049383333	-0,07765267	0,94759818	Zp3	
17494431	5,538506	5,059094	5,090282	4,94664	5,191442	5,316862	5,229294	5,151648	-0,077646	0,947602559	Dub3	
17423854	8,123222	7,773532	7,924122	7,821027	7,910969	7,855972	7,940292	7,862656	-0,077636	0,947609128	Slc35a1	
17382186	8,023037	8,043553	7,941236	7,933974	8,007049	7,833946	8,0026087	7,924989667	-0,077619	0,947620294	Spopl	
17449516	7,878005	8,053961	7,721355	7,779036	7,734913	7,90653	7,8844403	7,806826333	-0,077614	0,947623578	Cox18	
17211023	5,5094	5,638187	5,628834	5,758152	5,641501	5,143939	5,5921403	5,514530667	-0,07760967	0,947626424	3110035E14Rik	
17235694	7,061865	6,793746	6,959915	6,887176	6,768416	6,92722	6,9385087	6,860937333	-0,07757133	0,947651604	Tbxa2r	
17509001	3,53706	3,492188	3,290768	3,231061	3,631417	3,224964	3,4400053	3,362480667	-0,07752467	0,947682258	Adam26b	
17372584	7,580817	7,558983	7,525158	7,456733	7,455059	7,520593	7,554986	7,477461667	-0,07752433	0,947682477	Med19	
17537391	3,648806	3,392087	3,183271	3,458601	3,244758	3,288235	3,4080547	3,330531333	-0,07752333	0,947683134	---	
17406179	4,61493	4,673189	4,675533	4,477939	4,648561	4,604615	4,6545507	4,577038333	-0,07751233	0,947690359	---	
17476188	6,893943	6,571797	6,40525	6,178827	6,702217	6,757442	6,6236633	6,546162	-0,07750133	0,947697585	Zfp30	
17529549	8,430383	8,606318	8,334848	8,265772	8,48739	8,385916	8,457183	8,379692667	-0,07749033	0,947704811	Snhg5	
17462941	6,357538	6,454004	6,335551	6,111499	6,489171	6,314007	6,3823643	6,304892333	-0,077472	0,947716854	---	
17424980	6,898735	7,100475	7,208944	7,024769	6,845477	7,105505	7,0693847	6,991917	-0,07746767	0,947719701	Tstd2	
17464417	7,28993	7,380654	7,362689	7,059009	7,322358	7,419546	7,3444243	7,266971	-0,07745333	0,947729117	Klhdc5	
17441453	4,687048	4,643794	4,790221	4,473189	4,764581	4,650968	4,707021	4,629579333	-0,07744167	0,947736781	Nos1	
17283537	6,712254	7,077008	7,148861	6,688086	7,329963	6,687766	6,9793743	6,901938333	-0,077436	0,947740503	---	
17210705	4,609404	4,59815	3,589144	4,448896	3,449429	4,666234	4,265566	4,188186333	-0,07737967	0,947777511	---	
17549172	8,042537	7,741212	8,110079	7,850664	8,028923	7,782188	7,9646093	7,887258333	-0,077351	0,947796343	---	

17529692	5,879607	6,192175	6,531882	6,193064	6,054424	6,12417	6,2012213	6,123886	-0,07733533	0,947806636	B430319G15Rik	
17300217	3,445853	3,578585	3,715624	3,504284	3,571646	3,432225	3,5800207	3,502718333	-0,07730233	0,947828316	---	
17544360	3,688495	3,929047	3,69495	3,715475	3,575984	3,78914	3,7708307	3,693533	-0,07729767	0,947831382	---	
17368518	3,745094	3,779309	3,973599	3,73833	3,733729	3,794124	3,8326673	3,755394333	-0,077273	0,947847588	---	
17221970	5,133843	5,241907	5,406272	4,992239	4,974476	5,58349	5,260674	5,183401667	-0,07727233	0,947848026	---	
17359878	7,550564	7,863156	7,687888	7,565615	7,725434	7,578784	7,700536	7,623277667	-0,07725833	0,947857224	Pprc1	
17222020	7,162269	7,171021	7,604993	7,151568	7,155582	7,399383	7,312761	7,235511	-0,07725	0,947862699	Bag2	
17403423	7,693057	7,513299	7,634684	7,414889	7,631212	7,563253	7,61368	7,536451333	-0,07722867	0,947876715	Znhit6	
17447510	9,708358	9,632471	9,716978	9,566431	9,508382	9,751344	9,6859357	9,608719	-0,07721667	0,947884599	Mrfap1	
17205643	4,735517	5,442869	5,619149	4,769522	5,300159	5,496213	5,265845	5,188631333	-0,07721367	0,94788657	---	
17304127	4,342348	4,708682	4,61405	4,477494	4,55718	4,398774	4,5550267	4,477816	-0,07721067	0,947888541	4930572O13Rik	
17449073	7,79959	7,950414	7,813204	7,634931	7,757764	7,938891	7,8544027	7,777195333	-0,07720733	0,947890732	Noa1	
17316350	4,802506	4,729093	4,374695	4,57748	4,520204	4,577096	4,6354313	4,55826	-0,07717133	0,947914385	1700084J12Rik	
17449091	5,21224	5,052473	5,072658	5,072658	4,962289	5,070931	5,112457	5,035292667	-0,07716433	0,947918984	Pea15b	
17452736	6,216194	6,091351	6,038583	5,982976	6,180987	5,950742	6,115376	6,038235	-0,077141	0,947934315	---	
17547744	10,62984	10,54163	10,48719	10,32052	10,51803	10,58874	10,552887	10,47576333	-0,07712333	0,947945924	Cks2	
17548303	10,62984	10,54163	10,48719	10,32052	10,51803	10,58874	10,552887	10,47576333	-0,07712333	0,947945924	Cks2 // Cks2	
17548955	10,62984	10,54163	10,48719	10,32052	10,51803	10,58874	10,552887	10,47576333	-0,07712333	0,947945924	Cks2 // Cks2	
17410227	10,00517	10,0903	9,785953	9,905104	9,63462	10,11037	9,9604743	9,883364667	-0,07710967	0,947954903	Ap1ar	
17205055	4,568083	4,485396	4,187751	4,201951	4,406338	4,401618	4,4137433	4,336635667	-0,07710767	0,947956218	---	
17209245	4,568083	4,485396	4,187751	4,201951	4,406338	4,401618	4,4137433	4,336635667	-0,07710767	0,947956218	---	
17509629	10,12382	10,16773	10,04802	10,09265	10,0185	9,997103	10,11319	10,03608433	-0,07710567	0,947957532	Sc4mol	
17367916	5,976801	5,693775	6,203728	5,99251	5,817928	5,832568	5,9581013	5,881002	-0,07709933	0,947961693	Lrrc26	
17336516	5,771039	5,365678	5,51798	5,215275	5,657861	5,550276	5,5515657	5,474470667	-0,077095	0,947964541	Btnl2	
17403058	5,84777	6,003318	6,089942	6,116929	5,689509	5,903369	5,9803433	5,903269	-0,07707433	0,94797812	Adh7	
17402604	12,35382	12,43826	12,31447	12,21483	12,35603	12,30452	12,36885	12,29179333	-0,07705667	0,947989729	---	
17239659	4,669789	4,61062	4,554746	4,522859	4,571979	4,509164	4,6117183	4,534667333	-0,077051	0,947993452	---	
17522555	11,30077	11,41069	11,32753	11,22327	11,4202	11,16438	11,34633	11,26928333	-0,07704667	0,9479963	Ltf	
17306983	3,630862	3,440869	3,156463	3,250867	3,211236	3,535015	3,409398	3,332372667	-0,07702533	0,948010318	Gzme	
17383199	7,967113	7,97089	7,857507	7,736628	7,968647	7,859186	7,9318367	7,854820333	-0,07701633	0,948016232	Rexo4	
17548528	6,30025	6,547963	6,527205	6,310658	6,459138	6,374599	6,4584727	6,381465	-0,07700767	0,948021927	Lrp6 // Lrp6	
17415361	2,89733	2,765719	3,198773	2,798331	2,90874	2,923788	2,9539407	2,876953	-0,07698767	0,94803507	Ifna11	
17331422	7,859878	7,78974	7,599641	7,664238	7,752598	7,601472	7,749753	7,672769333	-0,07698367	0,948037698	LOC100861916	
17477648	6,493801	6,417235	6,829705	6,842874	6,32995	6,337018	6,580247	6,503280667	-0,07696633	0,948049089	Gm15545	
17481487	4,545554	4,547065	4,77735	4,594808	4,473579	4,570737	4,623323	4,546374667	-0,07694833	0,948060917	Olfr701	
17387732	3,76067	3,823297	3,418349	3,56821	3,658651	3,544612	3,6674387	3,590491	-0,07694767	0,948061355	Olfr1105	
17236127	5,472028	5,639098	5,640291	5,714425	5,425593	5,380622	5,5838057	5,50688	-0,07692567	0,948075812	Gm6721	
17349918	4,055538	4,029133	4,058539	3,947971	3,953859	4,010675	4,0477367	3,970835	-0,07690167	0,948091584	Pcdhb15	
17331800	5,900469	6,138549	6,18336	6,129892	5,91023	5,951588	6,074126	5,997236667	-0,07688933	0,948099689	---	
17384220	4,63913	3,863987	4,254292	4,033391	4,225181	4,268207	4,2524697	4,175593	-0,07687667	0,948108014	Gm13403	
17218209	9,075292	8,946224	8,880972	8,797242	8,998646	8,875977	8,967496	8,890621667	-0,07687433	0,948109547	Edem3	
17464424	3,985554	4,077916	3,914226	3,928824	3,838608	3,979644	3,9925653	3,915692	-0,07687333	0,948110204	E330012B07Rik	
17383733	8,298155	8,458158	8,439843	8,204296	8,391306	8,369938	8,3987187	8,321846667	-0,076872	0,948111081	BC005624	
17385365	5,476873	5,292399	5,805724	5,473466	5,544107	5,326859	5,5249987	5,448144	-0,07685467	0,948122472	Rprm	
17248263	9,136026	9,087354	9,189055	9,081331	9,061655	9,038911	9,1374783	9,060632333	-0,076846	0,948128167	Hba-a2 // Hba-a1	
17379498	4,637942	4,455266	4,740773	4,658485	4,475728	4,469236	4,611327	4,534483	-0,076844	0,948129482	Gm14316	
17216721	4,538778	4,864329	4,484136	4,77771	4,040005	4,839011	4,629081	4,552242	-0,076839	0,948132768	---	
17245448	7,62465	7,701242	7,65268	7,527633	7,742804	7,477634	7,659524	7,582690333	-0,07683367	0,948136273	Lemd3	
17354585	3,005691	3,101873	3,000066	2,872236	3,124663	2,880235	3,0358767	2,959044667	-0,076832	0,948137368	---	
17387485	9,781975	9,818323	9,734329	9,573573	9,731414	9,799145	9,778209	9,701377333	-0,07683167	0,948137587	Zdhhc5	
17459952	7,68225	7,731038	7,906547	7,696765	7,710973	7,681639	7,7732783	7,696459	-0,07681933	0,948145693	Mogs	
17448748	9,563873	9,012686	8,657098	8,525606	9,292755	9,18493	9,0778857	9,001097	-0,07678867	0,948165847	---	
17207965	5,994666	5,941123	5,498768	5,992691	5,746229	5,465306	5,811519	5,734742	-0,076777	0,948173515	---	
17438784	7,009356	7,32487	7,274792	7,126733	6,981763	7,270238	7,203006	7,126244667	-0,07676133	0,948183811	Utp3	
17429880	7,548414	7,6126	7,962797	7,569571	7,602231	7,721763	7,707937	7,631188333	-0,07674867	0,948192136	Mtf1	
17207007	3,96863	4,930336	4,603527	4,366741	4,954222	3,951297	4,500831	4,424086667	-0,07674433	0,948194984	---	
17260914	2,965993	2,980307	3,322176	2,955122	3,175819	2,907338	3,089492	3,012759667	-0,07673233	0,948202871	---	
17368349	5,488686	4,996188	5,605889	5,270088	5,266849	5,323684	5,3635877	5,286873667	-0,076714	0,948214921	Fam69b	
17444916	3,328722	3,548246	3,624874	3,453525	3,306842	3,51141	3,500614	3,423925667	-0,07668833	0,94823179	4930505K14Rik // 4930505K14Rik	
17377418	7,529489	7,581068	7,604526	7,352242	7,433371	7,699435	7,5716943	7,495016	-0,07667833	0,948238363	Cst3 // Cst3	
17206065	6,064462	6,001342	6,202731	6,146505	6,056238	5,835781	6,0895117	6,012841333	-0,07667033	0,948243621	---	
17444653	6,516687	6,198472	6,434889	6,111609	6,412572	6,395861	6,3833493	6,306680667	-0,07666867	0,948244717	Zkscan5	
17522158	6,591019	7,128543	6,852396	6,743952	6,760784	6,837252	6,8573193	6,780662667	-0,07665667	0,948252604	Ccdc72 // Ccdc72	
17268832	3,020644	3,050416	3,087191	3,019785	2,808246	3,100259	3,0527503	2,976096667	-0,07665367	0,948254576	---	
17550450	9,317839	9,437275	9,475203	9,304598	9,36751	9,328271	9,4101057	9,333459667	-0,076646	0,948259615	---	
17273348	8,901502	9,034105	8,973259	8,848078	8,715881	9,114976	8,969622	8,892978333	-0,07664367	0,948261149	Fasn	
17349894	3,113646	3,316862	3,149453	3,158475	3,049694	3,141861	3,1933203	3,116676667	-0,07664367	0,948261149	Pcdhb9	
17397520	5,32382	4,90028	5,495461	5,007984	5,205439	5,276218	5,2398537	5,163213667	-0,07664	0,948263559	---	
17368106	5,829516	5,654254	5,946585	5,87127	5,647313	5,681865	5,8101183	5,733482667	-0,07663567	0,948266407	Gm996 // Gm996	
17374747	6,813825	6,812421	6,807235	6,729451	6,678639	6,795504	6,8111603	6,734531333	-0,076629	0,948270789	Zfyve19	
17327635	6,585727	6,700092	6,51685	6,548895	6,434266	6,589637	6,6008897	6,524266	-0,07662367	0,948274294	Slx4	
17206339	3,365538	3,49693	3,640403	3,590793	3,378902	3,303313	3,500957	3,424336	-0,076621	0,948276047	---	
17547890	4,963852	4,728591	4,851072	4,76001	4,848337	4,705346	4,8478383	4,771231	-0,07660733	0,94828503	Gm10864	
17501325	3,827086	4,01225	3,773298	3,706511	3,903739	3,772593	3,870878	3,794281	-0,076597	0,948291822	---	
17548808	7,189728	7,063344	6,953902	6,969598	7,046623	6,960987	7,0689913	6,992402667	-0,07658867	0,9482973	LOC100861693	
17299582	4,373119	4,402316	4,445532	4,223101	4,385404	4,382744	4,406989	4,330416333	-0,07657267	0,948307817	Eddm3b	
17284571	3,305344	3,292403	3,253725	3,225331	3,166167	3,23029	3,283824	3,207262667	-0,07656133	0,948315267	LOC382693 // LOC382693	
17264515	6,620024	6,268122	6,715635	6,309742	6,648643	6,415838	6,5345937	6,458074333	-0,07651933	0,948342874	2310047M10Rik // 2310047M10Rik	
17444047	6,38871	6,354425	6,554327	6,186321	6,575765	6,305826	6,4324873	6,355970667	-0,07651667	0,948344627	Elfn1	
17315349	7,354641	7,372308	7,429093	7,172342	7,340874	7,413284	7,3853473	7,308833333	-0,076514	0,94834638	Mfsd5	
17287115	7,04355	7,127814	7,172875	7,029376	7,0196	7,065728	7,1147463	7,038234667	-0,07651167	0,948347914	Bicd2	
17388089	7,449894	7,239925	7,314154	7,147527	7,227652	7,399262	7,3346577	7,258147	-0,07651067	0,948348571	Ptpmt1	
17394147	4,053677	3,803855	4,078283	3,83974	3,955553	3,911171	3,978605	3,902154667	-0,07645033	0,948388232	Svs4	
17233720	9,770598	9,839548	9,609969	9,621102	9,721909	9,647771	9,7400383	9,663594	-0,07644433	0,948392176	Ppa1	
17382203	6,145105	5,626826	5,686975	5,420551	5,914466	5,894598	5,8196353	5,743205	-0,07643033	0,94840138	Hnmt	
17206143	5,409373	4,919503	5,323621	4,910144	5,412609	5,100495	5,217499	5,141082667	-0,07641633	0,948410583	---	
17488436	6,370746	6,475296	6,36834	6,283169	6,357592	6,344407	6,404794	6,328389333	-0,07640467	0,948418253	Plekhg2	
17247471	6,926679	6,678502	6,747293	6,748511	6,696012	6,678758	6,784158	6,707760333	-0,07639767	0,948422854	C1d	
17456074	4,941508	4,639954	4,789394	4,618117	4,833501	4,690053	4,7902853	4,713890333	-0,076395	0,948424607	1110019D14Rik	
17539158	9,461201	9,553518	9,377018	9,307121	9,534898	9,320613	9,4639123	9,387544	-0,07636833	0,948442138	Eif1ax	
17261494	6,90889	6,832435	6,858983	6,656556	6,714554	7,000139	6,8667693	6,790416333	-0,076353	0,948452219	Nprl3	
17412534	8,583643	8,464099	8,193492	8,114309	8,451301	8,446579	8,4137447	8,337396333	-0,07634833	0,948455287	Lyrm2	
17500559	2,97326	3,097841	3,002503	2,823236	2,981244	3,04008	3,0245347	2,948186667	-0,076348	0,948455506	---	
17536076	2,945755	2,926766	3,043956	2,672082	3,116141	2,899247	2,972159	2,895823333	-0,07633567	0,948463614	---	
17479335	4,799161	4,492955	4,765622	4,705609	4,410526	4,712625	4,6859127	4,609586667	-0,076326	0,948469969	Acan	
17270025	5,349807	4,997536	4,975646	5,097622	4,87763	5,11879	5,107663	5,031347333	-0,07631567	0,948476762	---	
17434333	7,138284	7,226686	6,943871	7,119859	6,993762	6,966349	7,102947	7,026656667	-0,07629033	0,948493418	Pex1	
17290104	2,851617	2,977124	3,114203	2,905105	2,820581	2,988402	2,9809813	2,904696	-0,07628533	0,948496705	---	
17319324	5,075728	5,445317	5,173517	5,057155	5,264535	5,144068	5,2315207	5,155252667	-0,076268	0,948508101	Dnalc4	
17337693	3,427587	3,185885	3,403435	3,493558	3,220034	3,074526	3,338969	3,262706	-0,076263	0,948511388	Gm20580	
17200267	3,215681	3,048167	3,319473	3,36356	3,041064	2,949933	3,1944403	3,118185667	-0,07625467	0,948516867	---	
17517050	5,108997	4,987947	5,155413	5,135741	4,839244	5,048612	5,084119	5,007865667	-0,07625333	0,948517743	Tmprss5	
17298626	6,305096	6,131114	6,236267	6,447571	5,928802	6,067406	6,224159	6,147926333	-0,07623267	0,948531331	Fam170b	
17356897	7,590601	7,463317	7,420377	7,22999	7,563657	7,45195	7,4914317	7,415199	-0,07623267	0,948531331	Rasgrp2	
17547783	8,853857	8,775471	8,76642	8,734631	8,763395	8,669044	8,7985827	8,722356667	-0,076226	0,948535714	4933434E20Rik // 4933434E20Rik	
17322578	4,833693	4,771867	4,857243	4,795146	4,737293	4,701716	4,8209343	4,744718333	-0,076216	0,948542289	4930562C15Rik // 4930562C15Rik	
17205669	2,691317	3,527909	3,754204	3,333794	3,629851	2,781243	3,3244767	3,248296	-0,07618067	0,94856552	---	
17495818	7,196915	7,178221	7,240941	7,288041	6,892655	7,20686	7,205359	7,129185333	-0,07617367	0,948570123	---	
17409856	2,977639	2,892472	3,02702	2,930141	2,890609	2,847873	2,9657103	2,889541	-0,07616933	0,948572972	---	
17491975	4,537484	4,533227	4,493721	4,436223	4,376732	4,522969	4,5214773	4,445308	-0,07616933	0,948572972	---	
17222618	5,019871	5,318358	5,324232	5,067961	5,057384	5,308625	5,2208203	5,144656667	-0,07616367	0,948576698	2610017I09Rik	
17447346	5,64817	5,46146	5,705209	5,45666	5,36541	5,764307	5,6049463	5,528792333	-0,076154	0,948583054	2310079F23Rik	
17338371	7,602555	8,221925	8,176573	7,917828	8,06725	7,787525	8,000351	7,924201	-0,07615	0,948585684	Trem3	
17227430	4,548337	4,540321	4,499512	4,70856	4,284521	4,366675	4,52939	4,453252	-0,076138	0,948593574	6530439I21 // 6530439I21	
17550146	3,021239	3,056311	3,182163	2,949995	3,041643	3,039693	3,086571	3,010443667	-0,07612733	0,948600587	---	
17280749	8,020294	8,000734	7,958282	7,985353	7,896815	7,868777	7,9931033	7,916981667	-0,07612167	0,948604313	Tspan13	
17325637	6,064796	6,019693	5,959723	6,001754	5,952506	5,861623	6,0147373	5,938627667	-0,07610967	0,948612204	B4galt4	
17222819	4,379601	4,097116	4,126474	4,159577	4,199863	4,015448	4,2010637	4,124962667	-0,076101	0,948617902	9330175M20Rik	
17489943	5,595576	5,977101	5,559227	5,748677	5,364395	5,790552	5,7106347	5,634541333	-0,07609333	0,948622943	LOC100861686	
17480922	7,040208	6,959297	6,774786	6,78386	6,805999	6,956165	6,9247637	6,848674667	-0,076089	0,948625793	Mir139	
17285703	13,4542	13,42239	13,48205	13,35985	13,40499	13,36555	13,45288	13,37679667	-0,07608333	0,948629519	Hist1h2ao	
17291023	13,4542	13,42239	13,48205	13,35985	13,40499	13,36555	13,45288	13,37679667	-0,07608333	0,948629519	Hist1h2ao	
17474534	7,184908	6,976638	7,172485	7,108467	7,055927	6,941451	7,1113437	7,035281667	-0,076062	0,948643546	Opa3	
17415715	10,02999	10,16212	9,983358	9,952852	9,977228	10,01724	10,058489	9,98244	-0,07604933	0,948651875	Usp1	
17401308	6,95059	7,010824	6,671497	6,552253	6,904028	6,948493	6,877637	6,801591333	-0,07604567	0,948654286	Phtf1	
17223728	3,568494	3,460006	3,221752	3,213683	3,57035	3,238117	3,4167507	3,340716667	-0,076034	0,948661958	---	
17455274	6,965442	7,091302	6,948756	6,88262	6,956268	6,938511	7,0018333	6,925799667	-0,07603367	0,948662177	Mtif3	
17284880	11,18688	11,20206	11,11415	11,11132	11,09317	11,07051	11,167697	11,09166667	-0,07603	0,948664588	Gdi2	
17314435	14,07479	14,11834	14,14849	14,00701	14,01686	14,08967	14,113873	14,03784667	-0,07602667	0,94866678	Rn7sk // Rn7sk // Rn7sk // Rn7sk // Rn	
17201683	5,113053	5,515641	4,112525	4,962171	4,722357	4,828643	4,9137397	4,837723667	-0,076016	0,948673794	---	
17503546	4,562048	4,491805	4,567873	4,601529	4,30668	4,485484	4,5405753	4,464564333	-0,076011	0,948677082	4933402J07Rik	
17283897	5,768836	5,863387	6,109688	5,570023	5,976603	5,967267	5,9139703	5,837964333	-0,076006	0,94868037	Ccdc85c	
17313276	9,572771	9,641985	9,718702	9,405106	9,703701	9,596681	9,644486	9,568496	-0,07599	0,948690891	Rbx1	
17227149	4,678697	4,825295	4,754264	4,498448	4,825295	4,706544	4,752752	4,676762333	-0,07598967	0,94869111	4931440L10Rik	

17449155	8,143834	8,439329	8,248657	8,100307	8,083381	8,420202	8,2772733	8,201296667	-0,07597667	0,948699659	Cenpc1
17356556	9,436473	9,628944	9,660529	9,468134	9,531334	9,498552	9,5753153	9,49934	-0,07597533	0,948700536	Malat1 // Malat1
17549546	3,662115	3,859936	3,821987	3,778036	3,647613	3,690502	3,781346	3,705383667	-0,07596233	0,948709084	---
17549702	3,662115	3,859936	3,821987	3,778036	3,647613	3,690502	3,781346	3,705383667	-0,07596233	0,948709084	---
17472632	7,071931	6,95998	7,386405	7,139147	7,010237	7,041046	7,1394387	7,063476667	-0,075962	0,948709303	4930579D09Rik
17300075	4,73242	4,903801	4,975331	4,68494	4,704749	4,994034	4,8705173	4,794574333	-0,075943	0,948721798	---
17355984	8,898882	9,024412	8,936942	8,748689	8,817076	9,066679	8,953412	8,877481333	-0,07593067	0,948729908	Chka
17263223	4,988713	4,9185	5,189971	4,972968	5,008907	4,887547	5,0323947	4,956474	-0,07592067	0,948736484	Obscn
17228858	3,225737	2,918038	2,906405	3,038234	2,71296	3,071236	3,0167267	2,94081	-0,07591667	0,948739115	---
17201121	5,552864	5,795041	5,80548	5,480795	5,599218	5,845638	5,717795	5,641883667	-0,07591133	0,948742622	---
17499796	7,243618	6,80383	7,158237	7,056394	6,954475	6,967084	7,0685617	6,992651	-0,07591067	0,948743061	Gm15315
17434833	4,305202	4,438577	4,517204	4,548858	4,138481	4,345951	4,4203277	4,34443	-0,07589767	0,94875161	Pclo
17422264	4,141109	3,851219	4,300634	3,9051	4,097429	4,062752	4,097654	4,021760333	-0,07589367	0,94875424	---
17205543	4,360256	6,001148	5,127447	5,133955	4,74478	5,382543	5,1629503	5,087092667	-0,07585767	0,948777915	---
17517116	9,724873	9,717344	9,764389	9,655065	9,719876	9,604108	9,7355353	9,659683	-0,07585233	0,948781422	Timm8b
17223261	3,65922	3,743469	3,641176	3,51526	3,55263	3,748421	3,6812883	3,6054 37	-0,07585133	0,94878208	Boll
17319864	7,915432	7,925286	8,15285	7,900657	7,981824	7,883584	7,997856	7,922021667	-0,07583433	0,94879326	Mcat
17295926	8,990105	9,107342	8,932566	8,924923	8,931013	8,946581	9,0100043	8,934172333	-0,075832	0,948794795	2410002O22Rik
17480228	5,538308	5,325502	5,488976	5,532273	5,196198	5,396827	5,4509287	5,375099333	-0,07582933	0,948796548	---
17480636	7,245474	7,008873	6,847332	6,950833	6,855154	7,068205	7,033893	6,958064	-0,075829	0,948796768	Lipt2
17275754	3,867002	3,724895	3,630338	3,711563	3,587944	3,695269	3,740745	3,664925333	-0,07581967	0,948802906	---
17269126	4,045149	4,165556	4,250402	4,197183	4,016695	4,019783	4,1537023	4,077887	-0,07581533	0,948805756	Krtap3-3
17350952	8,61638	8,725985	8,64997	8,520965	8,522564	8,721393	8,6641117	8,588307333	-0,07580433	0,94881299	Rbm22
17516155	3,692158	3,78626	3,673171	3,52913	3,688237	3,706836	3,7171963	3,641401	-0,07579533	0,948818909	Olfr898
17451043	7,296583	7,725302	7,376785	7,255457	7,426509	7,489347	7,4662233	7,390437667	-0,07578567	0,948825266	Noc4l
17287035	4,519979	4,240489	4,289053	4,115848	4,488829	4,217494	4,3498403	4,274057	-0,07578333	0,948826801	E030046B03Rik
17383712	5,874649	5,609441	6,104686	5,815912	5,757782	5,787746	5,8629253	5,787146667	-0,07577867	0,94882987	Ptges
17203957	5,615296	5,928055	6,075612	5,484502	5,621051	6,286103	5,8729877	5,797218667	-0,075769	0,948836228	---
17208631	7,064271	7,032296	7,078852	6,882551	6,849621	7,215944	7,058473	6,982705333	-0,07576767	0,948837105	---
17272870	4,986934	5,019525	5,253671	4,902713	5,101961	5,028226	5,08671	5,010966667	-0,07574333	0,948853108	---
17259869	9,825687	9,943154	9,803186	9,639066	9,724959	9,980853	9,8573423	9,781626	-0,07571633	0,948870866	---
17507034	3,084207	2,89045	2,767395	3,022042	2,824945	2,667937	2,9140173	2,838308	-0,07570933	0,94887547	---
17351426	4,841899	4,651417	4,858676	4,700009	4,656608	4,768272	4,7839973	4,708296333	-0,075701	0,948880951	Gnal
17271710	5,913155	6,100544	5,842381	6,117112	5,780932	5,730955	5,9520267	5,876333	-0,07569367	0,948885775	Cd300lb
17373832	6,584592	6,481108	6,765969	6,532947	6,546681	6,525007	6,6105563	6,534878333	-0,075678	0,948896079	A930018P22Rik
17524328	3,141356	2,907701	3,003925	3,071597	2,947394	2,806991	3,0176607	2,941994	-0,07566667	0,948903533	Olfr843
17200705	6,175205	6,43099	6,252328	6,203102	5,923177	6,505288	6,2861743	6,210522333	-0,075652	0,94891318	---
17412323	3,792589	3,753497	3,555226	3,45241	3,873431	3,548528	3,7004373	3,624789667	-0,07564767	0,94891603	---
17301262	5,597697	5,800004	5,87304	5,77508	5,432193	5,836527	5,7569137	5,681266667	-0,075647	0,948916469	Rp1l1
17264046	6,539159	6,532139	6,549797	6,385726	6,61845	6,390079	6,540365	6,464751667	-0,07561333	0,948938613	BC046404
17544919	6,353616	6,582925	6,189243	5,961029	6,488233	6,449719	6,3752613	6,299660333	-0,075601	0,948946725	Nup62cl
17495541	5,857476	5,783239	6,069686	5,714917	5,845099	5,923599	5,903467	5,827871667	-0,07559533	0,948950452	Syt17
17416009	4,673865	4,363182	4,269383	4,422421	4,234805	4,422421	4,4354767	4,359882333	-0,07559433	0,94895111	Gm12794
17397373	3,356997	3,327829	3,58989	3,378416	3,258523	3,411033	3,4249053	3,349324	-0,07558133	0,948959661	---
17537375	3,224122	3,202356	3,578584	3,299644	3,173381	3,305298	3,3350207	3,259441	-0,07557967	0,948960757	---
17503681	7,121834	7,278819	6,900136	6,982406	7,041439	7,050287	7,100263	7,024710667	-0,07555233	0,948978737	Cyld
17231047	11,16974	11,00271	11,0737	10,96094	11,0148	11,04376	11,08205	11,0065	-0,07555	0,948980271	Ppp2r5a
17263070	4,642341	4,786092	4,550086	4,442401	4,756894	4,552588	4,6595063	4,583961	-0,07554533	0,948983341	---
17293135	8,553294	8,657742	8,561961	8,430088	8,605291	8,510996	8,590999	8,515458333	-0,07554067	0,948986411	2210016F16Rik // 2210016F16Rik
17309020	4,873744	4,556793	5,137523	4,471687	5,18147	4,688343	4,85602	4,7805	-0,07552	0,949000005	---
17476666	3,322636	3,084793	3,111702	3,006782	3,162805	3,123015	3,1730437	3,097534	-0,07550967	0,949006802	Gm12769
17343299	6,34856	6,133098	6,24359	6,182782	6,287838	6,028104	6,2417493	6,166241333	-0,075508	0,949007899	Notch3
17238179	3,894275	3,505894	3,773127	3,513393	3,773336	3,660069	3,724432	3,648932667	-0,07549933	0,94901 36	Rdh18-ps
17434087	6,6111	6,494686	6,742473	6,595944	6,524795	6,501036	6,6160863	6,540591667	-0,07549467	0,949016669	Ccl19
17238722	4,763086	4,516029	4,629139	4,781503	4,62631	4,273974	4,6360847	4,560595667	-0,075489	0,949020397	H60c
17318013	5,926409	5,699868	5,820243	5,702401	5,687419	5,830266	5,8155067	5,740028667	-0,075478	0,949027633	Lynx1
17447726	4,632814	4,601865	4,628301	4,503008	4,601865	4,531695	4,6209933	4,545522667	-0,07547067	0,949032457	Hs3st1
17259443	5,335405	5,029453	5,218971	5,003601	5,203053	5,150772	5,1946097	5,119142	-0,07546767	0,94903443	Notum
17397494	5,135039	5,235881	5,118958	4,939329	5,196724	5,127469	5,1632927	5,087840667	-0,075452	0,949044736	---
17528673	6,824575	6,824575	6,703509	6,659173	6,769526	6,697608	6,7842197	6,708769	-0,07545067	0,949045613	Myzap
17548648	5,438688	5,391729	5,590673	5,444303	5,399627	5,350837	5,4736967	5,398255667	-0,075441	0,949051972	A430107J10Rik
17393187	4,698257	4,520714	4,725144	4,481655	4,51059	4,72563	4,6480383	4,572625	-0,07541333	0,949070173	---
17505938	7,553104	7,626514	7,52775	7,524281	7,51333	7,443533	7,5691227	7,493714667	-0,075408	0,949073681	Bcmo1
17371870	5,496099	5,705185	5,412986	5,463549	5,301774	5,622777	5,53809	5,4627	-0,07539	0,949085522	---
17482093	6,723029	7,178637	6,511145	6,806094	6,567259	6,813303	6,8042703	6,728885333	-0,075385	0,949088812	Gm10589
17218073	4,493357	4,395503	4,491997	4,61254	4,152705	4,389485	4,4602857	4,38491	-0,07537567	0,949094952	Pdc
17430958	3,215763	3,411981	3,561517	3,295305	3,266922	3,400938	3,3964203	3,321055	-0,07536533	0,94910175	---
17410323	7,619571	7,71216	7,649622	7,427232	7,591863	7,736186	7,660451	7,585093667	-0,07535733	0,949107013	Gar1
17322453	4,139169	4,120441	4,117663	4,054626	3,928463	4,168128	4,1257577	4,050405667	-0,075352	0,949110521	Olfr161
17287726	7,299407	7,42924	7,383715	7,121306	7,376807	7,388205	7,3707873	7,295439333	-0,075348	0,949113153	Caml
17512657	7,952193	7,771335	7,72529	7,747868	7,652883	7,82203	7,8162727	7,740927	-0,07534567	0,949114688	Slc7a6os
17345775	5,853152	6,157874	5,792907	5,656024	6,22558	5,69646	5,9346443	5,859354667	-0,07528967	0,94915153	A530064D06Rik // A530064D06Rik
17332290	5,762102	5,697342	5,680687	5,706367	5,662699	5,545198	5,713377	5,638088	-0,075289	0,949151968	Cldn14
17398717	5,564487	5,283051	5,350088	5,44824	5,081789	5,441791	5,3992087	5,32394	-0,07526867	0,949165346	---
17309368	4,250837	4,322802	4,331409	4,388176	3,99114	4,299955	4,3016827	4,226423667	-0,075259	0,949171705	Slitrk6
17375378	4,352798	4,34002	4,316022	4,123275	4,39142	4,268371	4,33628	4,261022	-0,075258	0,949172363	Trim69
17419060	5,008249	4,516599	5,259049	4,790904	5,00841	4,759004	4,9279657	4,852772667	-0,075193	0,949215129	E330017L17Rik
17360097	6,300406	6,266279	6,589254	6,41288	6,264643	6,252841	6,385313	6,310121333	-0,07519167	0,949216006	Cnnm2
17318045	4,361931	4,378358	4,252177	4,123271	4,419151	4,224537	4,330822	4,255653	-0,075169	0,94923092	Cyp11b1
17219867	3,962394	3,644243	4,056532	3,859328	3,818789	3,75958	3,887723	3,812565667	-0,07515733	0,949238596	---
17208907	3,376562	3,497931	3,730497	3,200252	3,363115	3,816152	3,5349967	3,459839667	-0,075157	0,949238815	---
17360942	5,317143	5,329086	5,255481	5,141043	5,312401	5,222852	5,30057	5,225432	-0,075138	0,949251317	Gal
17475592	5,835686	5,914505	6,027552	5,812651	5,851605	5,888161	5,9259143	5,850805667	-0,07510867	0,949270617	Sertad3
17497796	5,525343	5,386984	5,368362	5,386441	5,493746	5,175195	5,4268963	5,351794	-0,07510233	0,949274785	1600016N20Rik
17421968	5,259124	5,796895	5,452448	5,430663	5,560873	5,291656	5,5028223	5,427730667	-0,07509167	0,949281803	---
17405897	3,477546	3,624482	3,329861	3,410789	3,3201	3,475745	3,4772963	3,402211333	-0,075085	0,94928619	---
17341700	5,784953	6,286979	6,52295	6,640655	5,736397	5,992581	6,198294	6,123211	-0,075083	0,949287506	---
17254627	4,853116	4,855649	4,568313	4,575445	4,858704	4,617686	4,759026	4,683945	-0,075081	0,949288822	---
17469793	6,565361	6,337385	6,5453	6,821073	6,250775	6,151002	6,482682	6,407616667	-0,07506533	0,94929913	1700015O11Rik // 1700015O11Rik
17385767	5,270121	5,373909	5,223839	5,202535	5,164519	5,275658	5,2892897	5,214237333	-0,07505233	0,949307684	Fap
17523994	9,059713	9,025425	8,987529	8,890134	8,985327	8,972069	9,0242223	8,949176667	-0,07504567	0,949312071	Cep57
17313616	4,398263	4,061436	4,300111	4,135352	4,26683	4,1325	4,25327	4,178227333	-0,07504267	0,949314045	AW121686
17201027	8,257556	8,265208	8,435226	8,18606	8,012973	8,533875	8,31933	8,244302667	-0,07502733	0,949324135	---
17432912	7,96628	8,117598	7,863129	7,701592	8,084303	7,936085	7,9823357	7,907326667	-0,075009	0,949336199	Fbxo6
17218953	3,129647	2,998161	3,049969	3,036395	3,018262	2,898154	3,059259	2,984270333	-0,07498867	0,949349579	---
17551073	9,329601	9,306204	9,311243	9,170226	9,188329	9,363548	9,3156827	9,240701	-0,07498167	0,949354185	---
17546016	6,861109	6,94551	6,820613	6,69379	6,803337	6,905189	6,875744	6,800772	-0,074972	0,949360546	Ofd1
17210799	5,98514	5,310337	5,97806	5,05194	6,221835	5,774867	5,7578457	5,682880667	-0,074965	0,949365152	---
17282397	3,183543	3,339366	3,079958	3,24782	2,985217	3,145012	3,2009557	3,126016333	-0,07493933	0,949382043	---
17358466	5,055065	4,946679	5,095335	5,033797	4,909257	4,929213	5,0323597	4,957422333	-0,07493733	0,949383359	Slc1a1
17523359	5,170838	5,008462	5,067825	5,094728	5,056555	4,871056	5,082375	5,007446333	-0,07492867	0,949389062	Kbtbd5
17208115	3,801068	3,451827	3,217041	3,316479	3,320505	3,608279	3,4899787	3,415087667	-0,074891	0,949413849	---
17483230	5,063281	5,204133	5,25691	4,822036	5,279905	5,197719	5,1747747	5,099886667	-0,074888	0,949415824	2900092E17Rik // 2900092E17Rik
17387614	3,057212	2,942497	3,064648	2,825315	3,086584	2,927832	3,0214523	2,946577	-0,07487533	0,949424159	Olfr154
17257026	4,303908	4,251676	4,568653	4,268772	4,476682	4,154214	4,3747457	4,299889333	-0,07485633	0,949436663	Higd1b
17300959	7,333856	7,88824	7,557566	7,495577	7,496247	7,563317	7,5932207	7,518380333	-0,07484033	0,949447193	---
17222650	6,621719	6,673757	6,346317	6,270947	6,674585	6,471745	6,5472643	6,472425667	-0,07483867	0,94944829	Uxs1
17408470	6,012465	5,764032	5,776515	5,892715	5,681509	5,754288	5,851004	5,776170667	-0,07483333	0,9494518	Cd101
17252497	7,867803	7,930954	7,821209	7,748548	7,946553	7,700433	7,873322	7,798511333	-0,07481067	0,949466717	Atp2a3
17372755	5,551934	5,089778	4,947879	5,310339	4,890827	5,164009	5,1965303	5,121725	-0,07480533	0,949470227	Olfr1010
17363044	4,382852	3,626973	4,049437	3,845649	3,853813	4,135441	4,019754	3,944967667	-0,07478633	0,949482731	Olfr1417
17549928	7,421912	7,293142	7,68571	7,314908	7,416205	7,44534	7,4669213	7,392151	-0,07477033	0,94949326 1	---
17207679	5,001671	5,229611	4,144372	5,131998	4,314352	4,705067	4,7918847	4,717139	-0,07474567	0,949509496	---
17513806	6,869588	6,647214	7,137812	6,643833	7,10921	6,67737	6,8848713	6,810137667	-0,07473367	0,949517393	Cbfa2t3
17262650	7,629775	7,946679	7,902369	7,616103	7,840172	7,798355	7,8262743	7,751543333	-0,074731	0,949519149	Uqcrq
17428140	3,36414	3,007982	3,030666	3,200392	3,072447	2,905812	3,1342627	3,059550333	-0,07471233	0,949531434	---
17366373	8,934072	9,029178	8,787564	8,715777	8,907155	8,903794	8,916938	8,842242	-0,074696	0,949542184	Nmt2
17457125	4,911739	4,763681	4,87116	4,745018	4,83157	4,745921	4,84886	4,774169667	-0,07469033	0,949545914	---
17312829	9,439262	9,795301	10,00356	9,653926	9,76796	9,592173	9,746041	9,671353	-0,074688	0,94954745	Lgals1
17313705	7,880132	7,472404	7,587246	7,277424	7,715322	7,723002	7,646594	7,571916	-0,074678	0,949554031	Parvb
17332223	5,017094	5,140509	5,362843	4,852446	5,055474	5,388497	5,173482	5,098805667	-0,07467633	0,949555128	Kcne1
17493238	8,415464	8,567327	8,47029	8,407645	8,392433	8,428995	8,4843603	8,409691	-0,07466933	0,949559736	l7Rn6
17203057	3,921839	3,403774	3,372437	3,138004	3,875893	3,460157	3,5660167	3,491351333	-0,07466533	0,949562368	---
17351685	2,996732	3,025636	3,105364	2,981733	3,041928	2,880097	3,0425773	2,967919333	-0,074658	0,949567195	---
17355286	7,940972	7,50792	7,801692	7,605955	7,818972	7,601685	7,7501947	7,675537333	-0,07465733	0,949567634	Rab27b
17210677	3,178968	3,055937	3,426716	3,396866	2,859683	3,181147	3,2205403	3,145898667	-0,07464167	0,949577946	---
17349174	7,994542	8,268533	7,792398	7,775417	7,906519	8,149623	8,018491	7,943853	-0,074638	0,949580359	Polr2d
17548597	11,98961	12,10831	12,01076	12,0156	11,79351	12,0757	12,036227	11,96160333	-0,07462333	0,949590013	LOC100505014
17480100	4,458899	4,188859	4,388082	3,955553	4,461044	4,395414	4,34528	4,270670333	-0,07460967	0,949599008	---
17337458	9,762813	10,13642	10,09561	9,713135	9,906501	10,1514	9,998281	9,923678667	-0,07460233	0,949603835	Trim10
17229222	8,561722	8,633705	8,405923	8,336781	8,531586	8,509213	8,5337833	8,459193333	-0,07459	0,949611953	Tiprl
17240813	4,103771	3,97581	3,945886	4,094229	3,774651	3,932828	4,008489	3,933902667	-0,07458633	0,949614367	Zfa
17503106	6,193632	6,087982	6,065559	5,835485	6,000507	6,287448	6,1157243	6,041146667	-0,07457767	0,949620071	4930432K21Rik
17447623	5,554811	5,649386	5,6878	5,494134	5,431616	5,742552	5,6306657	5,556100667	-0,074565	0,949628409	Zbtb49

17475801	6,035101	6,317795	6,232517	6,016307	6,333466	6,01201	6,1951377	6,120594333	-0,07454333	0,949642671	Eid2
17240645	6,375685	6,334998	6,325563	6,238751	6,268773	6,305099	6,3454153	6,270874333	-0,074541	0,949644207	Prdm1
17220719	3,310378	3,565331	3,301785	3,290673	3,35397	3,309232	3,392498	3,317958333	-0,07453967	0,949645084	---
17325592	6,325087	6,282525	6,273146	6,205375	6,206323	6,245461	6,293586	6,219053	-0,074533	0,949649472	Popdc2
17256857	5,733946	5,663852	5,897218	5,649742	5,705691	5,716068	5,7650053	5,690500333	-0,074505	0,949667904	4930417O22Rik
17478789	7,147751	7,215776	7,248949	7,128024	7,160411	7,100527	7,2041587	7,129654	-0,07450467	0,949668123	Ndn
17203659	6,81893	6,94524	6,510067	7,093548	6,544778	6,412414	6,758079	6,68358	-0,074499	0,949671853	---
17455111	11,34026	11,43562	11,48577	11,42189	11,29704	11,31934	11,42055	11,34609	-0,07446	0,949697526	Cyp3a16
17278529	6,037398	5,933058	6,145116	6,004251	5,994224	5,893726	6,038524	5,964067	-0,074457	0,949699501	Hhipl1
17248716	3,894311	3,970691	3,920547	3,953789	3,948768	3,659631	3,9285163	3,854062667	-0,07445367	0,949701695	---
17262259	6,427115	6,217155	6,34774	6,328568	6,218022	6,222069	6,33067	6,256219667	-0,07445033	0,949703889	Btnl9
17327974	5,698267	5,321531	5,588225	5,560265	5,519304	5,305183	5,5360077	5,461584	-0,07442367	0,949721444	Cldn26
17216144	6,129732	5,997649	6,283815	6,216393	5,912117	6,059433	6,1370653	6,062647667	-0,07441767	0,949725393	Neu4
17510605	3,821215	3,833053	3,886798	3,574685	3,955553	3,787624	3,847022	3,772620667	-0,07440133	0,949736146	---
17442887	5,704705	5,55458	5,590664	5,539803	5,528751	5,558316	5,6166497	5,54229	-0,07435967	0,949763575	Mmp17
17309006	10,60508	10,59122	10,6911	10,47683	10,64476	10,54276	10,629133	10,55478333	-0,07435	0,949769939	Gm5088 // Gm5088
17275015	4,10457	4,211198	4,132771	3,936574	4,066402	4,222608	4,149513	4,075194667	-0,07431833	0,949790787	Agr2
17326448	3,313007	3,311341	3,370727	3,081503	3,481336	3,209356	3,3316917	3,257398333	-0,07429333	0,949807245	Olfr195
17299895	3,986098	3,511609	3,504574	3,592355	3,441334	3,745724	3,667427	3,593137667	-0,07428933	0,949809879	---
17417729	5,91963	6,260715	6,244554	6,023746	5,963492	6,214804	6,141633	6,067347333	-0,07428567	0,949812293	---
17512872	3,827026	3,574351	3,631813	3,7299	3,564785	3,515657	3,67773	3,603447333	-0,07428267	0,949814268	Calb2
17408546	7,201994	7,116708	7,253329	7,263188	7,104447	6,981668	7,190677	7,116434333	-0,07424267	0,949840603	Slc22a15
17374174	3,063374	2,912893	3,151504	2,965808	3,086918	2,852326	3,0425903	2,968350667	-0,07423967	0,949842578	Olfr1280
17468277	6,996384	6,923485	7,043168	6,834868	7,048859	6,856632	6,987679	6,913453	-0,074226	0,949851576	Dysf // Dysf
17231761	3,982323	3,897491	4,09118	3,860441	4,007518	3,88037	3,9903313	3,916109667	-0,07422167	0,949854429	---
17206247	7,479138	7,602795	7,315255	7,507014	7,584187	7,08334	7,4657293	7,391513667	-0,07421567	0,949858379	---
17322467	7,151052	6,938942	6,967135	7,200351	6,839136	6,795	7,019043	6,9448829	-0,074214	0,949859476	Zfp174
17299119	4,416156	4,272073	3,984781	4,23051	4,058387	4,161473	4,2243367	4,150123333	-0,07421333	0,949859915	---
17491745	5,470145	4,748868	5,361765	5,087995	5,136172	5,133985	5,1935927	5,119384	-0,07420867	0,949862988	Mir344f
17389672	4,512115	4,36209	4,436788	4,325119	4,320819	4,44245	4,4369977	4,362796	-0,07420167	0,949867597	---
17522839	4,972706	4,867197	4,957614	4,984247	4,839448	4,751218	4,9325057	4,858304333	-0,07420133	0,949867816	---
17546774	11,18967	11,10539	11,23806	11,5584	10,97117	10,7811	11,1777707	11,10355667	-0,07415	0,949901614	Erdr1
17271607	5,721569	5,54216	5,637639	5,45234	5,593752	5,632827	5,6337893	5,559639667	-0,07414967	0,949901834	Cpsf4l
17307157	8,951291	9,109351	8,814572	8,836941	8,969092	8,846738	8,9584047	8,884257	-0,07414767	0,949903151	Xpo4
17395298	4,175436	4,212562	4,32339	4,206279	4,303357	3,979358	4,2371293	4,162998	-0,07413133	0,949913905	---
17319465	10,24898	10,23842	10,06537	9,97875	10,24896	10,10275	10,184257	10,11015333	-0,07410333	0,949932341	St13
17411913	3,240504	3,434406	3,215243	3,185013	3,258832	3,224028	3,2967177	3,222624333	-0,07409333	0,949938926	---
17233489	6,072278	6,417478	6,222864	6,223723	6,023585	6,243035	6,23754	6,163447667	-0,07409233	0,949939584	Ccdc138
17204791	4,047925	4,478416	4,415047	4,12707	4,300234	4,291841	4,313796	4,239715	-0,074081	0,949947047	---
17532242	5,197001	5,174311	5,13876	4,932494	5,140257	5,215081	5,170024	5,095944	-0,07408	0,949947705	Gm2449
17455254	6,879967	7,372401	7,034691	6,771284	7,166855	7,126711	7,0956863	7,021616667	-0,07406967	0,949954509	Usp12
17333903	3,946572	3,815601	3,35666	3,500023	3,864331	3,532315	3,7062777	3,632223	-0,07405467	0,949964386	Vmn1r237
17240186	5,240867	5,172989	5,447478	5,15524	5,167286	5,316685	5,2871113	5,213070333	-0,074041	0,949973385	Fam26f
17516952	4,756561	4,657314	4,813491	4,635574	4,85124	4,518438	4,7424553	4,668417333	-0,074038	0,949975361	2900052N01Rik
17414583	4,905887	4,667667	4,760715	4,802848	4,57796	4,731383	4,7780897	4,704063667	-0,074026	0,949983262	4933430I17Rik
17306960	3,673608	3,635998	4,089409	3,779067	3,993916	3,404097	3,7996717	3,725693333	-0,07397833	0,95001465	Mcpt4
17379427	5,908069	5,910781	5,811631	5,951686	5,749964	5,706918	5,876827	5,802856	-0,073971	0,950019479	Dbndd2
17428249	6,131365	6,388012	6,489795	6,517394	6,066864	6,203167	6,3363907	6,262475	-0,07391567	0,950055917	---
17398895	5,349836	5,079137	5,41691	5,24016	5,263453	5,120543	5,281961	5,208052	-0,073909	0,950060307	Crabp2
17307991	7,633864	7,70727	7,520202	7,476311	7,497515	7,665825	7,6204453	7,546550333	-0,073895	0,950069527	Dock5
17498786	5,310981	5,395408	5,480866	5,247101	5,378437	5,340064	5,3957517	5,321867333	-0,07388433	0,950076551	Lrrc8e
17450545	4,233741	4,281262	4,396375	4,148355	4,311923	4,229498	4,3037927	4,229925333	-0,07386733	0,950087747	---
17512630	6,23035	6,472903	6,264759	6,185857	6,331292	6,229301	6,3226707	6,248816667	-0,073854	0,950096527	Ddx28
17454836	8,1113	8,280635	8,286928	8,110613	8,197113	8,149614	8,2262877	8,152446667	-0,073841	0,950105089	E130309D02Rik
17549584	3,756678	3,848141	3,747415	3,634564	3,751173	3,745002	3,784078	3,710246333	-0,07383167	0,950111235	---
17549854	3,756678	3,848141	3,747415	3,634564	3,751173	3,745002	3,784078	3,710246333	-0,07383167	0,950111235	---
17210135	4,591758	5,567734	5,483475	5,348184	4,8372	5,236116	5,2143223	5,1405	-0,07382233	0,950117382	---
17474921	4,979117	4,865247	4,817073	4,869859	4,738365	4,831748	4,8871457	4,813324	-0,07382167	0,950117821	---
17227025	5,840351	5,925185	5,813839	5,755012	5,805723	5,797236	5,8597917	5,785990333	-0,07380133	0,950131212	Lax1
17479575	10,07043	10,1624	10,21087	10,05441	10,04412	10,12378	10,1479	10,07410333	-0,07379667	0,950134285	Prc1
17335046	5,697871	5,509614	5,673142	5,642274	5,381531	5,635454	5,6268757	5,553086333	-0,07378933	0,950139115	Ggnbp1
17365162	7,348509	7,628301	7,472638	7,309215	7,305828	7,613042	7,4831493	7,409361667	-0,07378767	0,950140213	---
17488535	7,285501	7,21394	7,447384	7,244234	7,234575	7,246665	7,3156083	7,241824667	-0,07378367	0,950142847	Mrps12
17466861	4,697215	4,470821	4,826231	4,562375	4,537381	4,673255	4,6647557	4,591003667	-0,073752	0,950163702	Mira
17425179	3,317448	3,229021	3,142819	3,121604	3,163836	3,182631	3,2297627	3,156023667	-0,073739	0,950172264	Mir1958 // Mir1958
17404888	4,866846	4,396904	4,528058	4,438628	4,691483	4,440504	4,5972693	4,523538333	-0,073731	0,950177533	Il21
17390371	9,736238	9,794893	9,770649	9,562877	9,67611	9,841672	9,76726	9,693553	-0,073707	0,95019334	Epb4.2
17299516	8,876479	8,777827	8,935308	8,681291	8,869258	8,817953	8,8632047	8,789500667	-0,073704	0,950195316	---
17550759	3,189692	3,295207	3,241637	3,099532	3,209558	3,196345	3,2421787	3,168478333	-0,07370033	0,950197731	---
17525342	8,280826	8,169008	8,274326	8,034286	8,251312	8,217496	8,2413867	8,167698	-0,07368867	0,950205415	Dcps
17345150	3,526578	3,523706	3,325958	3,423576	3,375814	3,355837	3,4587473	3,385075667	-0,07367167	0,950216612	---
17350695	5,615852	5,249656	5,584792	5,425493	5,302032	5,501765	5,4834333	5,409763333	-0,07367	0,950217709	---
17252495	4,118317	4,525776	4,249716	4,133243	4,681194	5,858422	4,2979363	4,224286333	-0,07365	0,950230882	---
17321806	5,405772	5,556667	5,473415	5,442917	5,548764	5,223225	5,478618	5,404968667	-0,07364933	0,950231321	I730030J21Rik
17504393	4,730061	4,683145	4,697632	4,636205	4,617688	4,635997	4,7036127	4,629963333	-0,07364933	0,950231321	4933400L20Rik
17325291	9,159005	9,19829	9,025318	8,898325	9,045193	9,218155	9,1275377	9,053891	-0,07364667	0,950233078	Kpna1
17295685	8,45608	8,24925	8,137191	8,305132	8,228031	8,088475	8,2808403	8,207212667	-0,07362767	0,950245592	Marveld2
17390718	5,745324	5,504671	6,07863	5,879886	5,682383	5,545499	5,7762083	5,702589333	-0,073619	0,950251301	Patl2
17461469	4,03603	3,918494	3,932818	3,739055	3,95956	3,96787	3,9624473	3,888828333	-0,073619	0,950251301	---
17315960	9,860132	9,884756	9,789785	9,705796	9,79574	9,812321	9,844891	9,771285667	-0,07360533	0,950260303	Brix1
17201131	8,10941	8,331017	8,555472	7,967189	8,47548	8,332435	8,3319663	8,258368	-0,07359833	0,950264913	---
17291559	7,105968	7,418247	7,038815	6,987204	7,145558	7,209476	7,1876767	7,114079333	-0,07359733	0,950265572	E2f3
17308153	6,03063	6,011482	6,200968	5,891995	6,038377	6,091951	6,0810267	6,007441	-0,07358567	0,950273256	Synb
17501877	6,278109	5,926024	6,0321	6,242263	5,940473	5,832748	6,0787443	6,005161333	-0,073583	0,950275013	Homer3
17549530	4,570469	4,510143	4,688569	4,527885	4,589379	4,431196	4,589727	4,516153333	-0,07357367	0,950281161	---
17549682	4,570469	4,510143	4,688569	4,527885	4,589379	4,431196	4,589727	4,516153333	-0,07357367	0,950281161	---
17302709	6,083269	5,894312	5,791858	6,019741	5,953161	5,575835	5,9231463	5,849579	-0,07356733	0,950285332	---
17535707	5,284655	5,009163	4,774569	5,084884	4,515488	5,247364	5,0227957	4,949245333	-0,07355033	0,95029653	---
17518807	3,669577	3,961805	3,934036	3,766656	3,791935	3,786189	3,8551393	3,781593333	-0,073546	0,950299384	---
17205043	7,276176	7,001215	6,943385	7,059443	7,036863	6,903888	7,073592	7,000064667	-0,07352733	0,95031168	---
17209233	7,276176	7,001215	6,943385	7,059443	7,036863	6,903888	7,073592	7,000064667	-0,07352733	0,95031168	---
17231869	4,193597	4,179182	4,045311	4,210099	4,066565	3,920878	4,1393633	4,065847333	-0,073516	0,950319146	Il22ra2
17546429	3,335978	3,526689	3,27964	3,290962	3,312973	3,317836	3,380769	3,307257	-0,073512	0,95032178	---
17224342	7,013617	7,320743	7,221017	7,02076	7,087811	7,226274	7,1851257	7,111615	-0,07351067	0,950322659	Rnf25
17539048	3,401781	3,280011	3,40895	3,310771	3,332826	3,226638	3,3635807	3,290078333	-0,07350233	0,950328148	Gm8578
17331036	8,18707	8,177921	8,077185	7,988222	8,133834	8,099617	8,147392	8,073891	-0,073501	0,950329026	Rg9mtd1
17421271	4,143053	4,120183	4,556826	4,069308	4,426514	4,103771	4,273354	4,199864333	-0,07348967	0,950336492	Oog2
17482503	8,275969	8,176155	8,245347	8,131822	8,198989	8,14624	8,2324903	8,159017	-0,07347333	0,950347251	BC030336
17549166	3,464914	3,456707	3,810462	3,392394	3,613293	3,505999	3,577361	3,503895333	-0,07346567	0,950352301	---
17485198	3,429343	3,479105	3,819956	3,340628	3,371934	3,795475	3,5761347	3,502679	-0,07345567	0,950358889	---
17330201	4,896333	4,756892	4,791021	4,915359	4,67445	4,634071	4,8147487	4,741293333	-0,07345533	0,950359108	---
17494697	4,22858	4,044997	4,20857	4,03125	4,35406	3,876522	4,1607157	4,087277333	-0,07343833	0,950370307	Olfr699
17321227	7,652433	7,797628	7,827137	7,732134	7,564892	7,759944	7,759066	7,685656667	-0,07340933	0,950389411	Kansl2
17238061	6,770755	6,659137	6,857487	6,710265	6,712803	6,644084	6,7624597	6,689050667	-0,073409	0,95038963	---
17218027	9,753055	9,860498	9,678163	9,560467	9,734714	9,776324	9,7639053	9,690501667	-0,07340367	0,950393144	Uchl5
17278335	4,206085	4,142447	4,162549	4,106053	3,98517	4,199708	4,1703603	4,096977	-0,07338333	0,950406539	---
17306114	2,868234	2,796205	2,945511	2,686069	2,935627	2,768105	2,8699833	2,796600333	-0,073383	0,950406758	---
17218168	8,88891	8,807981	8,560547	8,611151	8,646919	8,779375	8,7524793	8,679148333	-0,073331	0,950441015	1190005F20Rik
17386347	9,957889	9,888014	9,942166	9,851482	9,868649	9,84796	9,9293563	9,856030333	-0,073326	0,950444309	Tlk1
17348626	4,753607	4,36097	4,848953	4,578108	4,675992	4,489488	4,65451	4,581196	-0,073314	0,950452214	B430422H06Rik
17317622	5,746866	5,901355	5,518297	5,695942	5,558025	5,692664	5,7221727	5,648877	-0,07329567	0,950464293	Tmem71
17397968	6,782752	6,900942	6,587345	6,816196	6,606998	6,627969	6,757013	6,683721	-0,073292	0,950466708	Arhgef26
17494725	3,908408	3,705118	3,66921	3,659339	3,687511	3,716012	3,760912	3,687620667	-0,07329133	0,950467147	Olfr2
17223581	4,712158	4,633668	4,622958	4,588864	4,607043	4,553028	4,6562613	4,582978333	-0,073283	0,950472638	Ica1l
17427164	5,919764	5,834824	5,918562	5,772659	5,814688	5,866001	5,89105	5,817782667	-0,07326733	0,950482959	Elavl2
17250930	4,226278	4,065049	4,296961	3,900212	4,420303	4,048097	4,196096	4,122870667	-0,07322533	0,95051063	9130409J20Rik
17280721	4,740441	4,510539	5,0009	4,602538	4,725234	4,704453	4,7506267	4,677408333	-0,07321833	0,950515242	---
17538751	11,23623	11,28739	11,25356	11,10592	11,15683	11,29482	11,25906	11,18585667	-0,07320333	0,950525125	---
17291012	13,26911	13,20641	13,27293	13,12665	13,20772	13,19451	13,249483	13,17629333	-0,07319	0,95053391	Hist1h2an
17203863	3,19671	2,910194	3,221309	2,963396	2,937029	3,208266	3,1094043	3,036230333	-0,073174	0,950544451	---
17348105	7,578935	7,673323	7,191751	7,420895	7,441741	7,36186	7,4813363	7,408165333	-0,073171	0,950546428	Bambi
17419222	8,551239	8,691265	8,595358	8,470463	8,686163	8,461723	8,6126207	8,539449667	-0,073171	0,950546428	Snrnp40
17493611	4,447303	4,659468	4,553891	4,392265	4,518752	4,530217	4,553554	4,480411333	-0,07314267	0,950565096	---
17313643	5,648387	5,988543	5,822121	5,696549	5,731458	5,811625	5,8196837	5,746544	-0,07313967	0,950567073	7530414M10Rik
17290155	7,234089	7,33989	7,54704	7,199586	7,428219	7,273803	7,373673	7,300536	-0,073137	0,95056883	3110070M22Rik
17511482	6,234424	6,464729	6,25611	6,325342	6,143349	6,267177	6,318421	6,245289333	-0,07313167	0,950572344	Zfp423
17283931	5,339836	5,205788	5,549781	4,917366	5,499363	5,459333	5,365135	5,292020667	-0,07311433	0,950583765	---
17406241	5,786724	5,679111	5,786377	5,464315	5,733615	5,834973	5,7507373	5,677634333	-0,073103	0,950591232	Rbm46
17533199	4,815644	5,017759	5,187159	4,971434	5,058238	4,771593	5,006854	4,933755	-0,073099	0,950593868	Lancl3
17503208	8,261737	8,428457	8,341042	8,210534	8,308696	8,292809	8,3437453	8,270679667	-0,07306567	0,950615831	Lyl1
17463298	6,759161	6,425664	7,241927	6,881467	7,005731	6,320368	6,8089173	6,735855333	-0,073062	0,950618247	---
17203505	4,452839	4,104558	4,824273	4,816309	4,047838	4,298391	4,4605567	4,387512667	-0,073044	0,950630108	---
17468900	4,457124	4,18601	4,348918	4,120197	4,179644	4,47314	4,330684	4,257660333	-0,07302367	0,950643506	Ccdc37
17362503	8,257257	8,385442	8,220056	8,324892	8,130105	8,188734	8,287585	8,214577	-0,073008	0,95065383	Ttc9c

17245663	8,069498	7,093237	7,289925	7,451821	7,523778	7,258039	7,48422	7,411212667	-0,07300733	0,950654269	---
17285829	6,623065	6,861966	6,500155	6,397065	6,631302	6,737829	6,6617287	6,588732	-0,07299667	0,950661298	Hist1h1d
17480407	8,87519	8,938779	9,016158	8,777916	8,935294	8,897931	8,9433757	8,870380333	-0,07299533	0,950662176	Clns1a
17455639	4,449352	4,571803	4,374146	4,263869	4,608393	4,304064	4,4651003	4,392108667	-0,07299167	0,950664592	---
17343550	3,294206	3,454132	3,545697	3,257274	3,572053	3,245741	3,431345	3,358356	-0,072989	0,95066635	Gm4461
17483133	5,288934	5,176536	4,916852	4,857708	5,219242	5,086473	5,1274407	5,054474333	-0,07296633	0,950681286	Fam57b
17210429	3,307562	3,789916	3,471795	3,237421	3,172852	3,940115	3,523091	3,450129333	-0,07296167	0,950684361	---
17333482	7,079779	7,226561	7,288979	7,057546	7,231336	7,087564	7,1984397	7,125482	-0,07295767	0,950686997	1600012H06Rik
17302634	5,612947	6,052748	5,528838	5,575	5,623117	5,777573	5,731511	5,658563333	-0,07294767	0,950693587	Mir18
17409816	5,386003	5,402849	5,399274	5,490688	5,055623	5,423004	5,396042	5,323105	-0,072937	0,950700616	D3Bwg0562e
17293165	5,317654	5,448454	5,410958	5,356482	5,35286	5,248929	5,3923553	5,319423667	-0,07293167	0,95070413	Slc28a3
17540544	8,488334	8,638722	8,437537	8,386868	8,409895	8,549115	8,521531	8,448626	-0,072905	0,950721703	Uxt
17283942	8,172537	8,858049	8,661262	8,571203	8,367873	8,534063	8,5639493	8,491046333	-0,072903	0,950723021	---
17480190	3,97879	4,176103	3,668445	3,512155	3,888777	4,203703	3,9411127	3,868211667	-0,072901	0,950724339	---
17284423	4,03528	3,73607	3,987608	3,956506	3,795701	3,788145	3,9196527	3,846784	-0,07286867	0,950745647	Ighg
17327502	3,878474	4,09652	4,078912	4,059601	4,015212	3,760497	4,0179687	3,945103333	-0,07286533	0,950747844	Sh3bgr // Sh3bgr
17309688	9,613515	9,50655	9,489093	9,415667	9,554087	9,420847	9,536386	9,463533667	-0,07285233	0,950756411	A2ld1
17331238	3,988354	3,86614	3,510127	3,873899	3,514179	3,758011	3,788207	3,715363	-0,072844	0,950761902	Olfr186
17231676	8,91584	9,200294	8,743486	8,748509	8,880405	9,012194	8,9532067	8,880369333	-0,07283733	0,950766296	Timm8a1
17531418	4,050192	3,936403	4,076698	4,10007	3,782982	3,961738	4,0210977	3,948263333	-0,07283433	0,950768273	Fbxw24
17231574	9,3995	9,583626	9,519738	9,402117	9,387814	9,49446	9,5009547	9,428130333	-0,07282433	0,950774863	Ppil4
17292536	4,342224	4,196265	4,254586	4,18442	4,220573	4,169631	4,2643583	4,191541333	-0,072817	0,950779696	4930518P08Rik
17548829	3,293263	3,379993	3,261851	3,225866	3,148787	3,342087	3,3117023	3,238913333	-0,072789	0,950798149	Gm4916
17313260	7,475421	7,634131	7,486812	7,488938	7,374837	7,51423	7,5321213	7,459335	-0,07278633	0,950799907	Xpnpep3
17499610	3,689194	3,688828	3,788138	3,506455	3,822618	3,618738	3,7220533	3,649270333	-0,072783	0,950802103	Defb5
17422988	6,311831	6,920937	6,384203	6,245938	6,649862	6,502866	6,5389903	6,466222	-0,07276833	0,950811769	Rps20
17309011	3,880103	3,693065	3,591201	3,61779	3,683345	3,644931	3,7214563	3,648688667	-0,07276767	0,950812209	---
17547709	7,656933	7,546492	7,663739	7,567579	7,527573	7,553749	7,622388	7,549633667	-0,07275433	0,950820996	---
17307215	8,496459	8,637752	8,475246	8,573364	8,437026	8,380811	8,5364857	8,463733667	-0,072752	0,950822534	Zdhhc20
17340148	6,64918	6,485861	6,443014	6,213194	6,72792	6,418699	6,5260183	6,453271	-0,07274733	0,95082561	1700106N22Rik
17330451	3,676758	3,933995	3,620579	3,547297	4,043555	3,422307	3,7437773	3,671053	-0,07272433	0,950840768	4932412D23Rik
17210745	2,882504	2,903982	3,290946	3,159143	2,914405	2,785776	3,0258107	2,953108	-0,07270267	0,950855048	---
17351655	5,31883	5,458052	5,386839	5,583884	5,197055	5,164737	5,387907	5,315225333	-0,07268167	0,950868889	Stard6
17406397	4,290134	4,268974	4,654234	4,15552	4,43911	4,400683	4,4044473	4,331771	-0,07267633	0,950872404	Dear1
17268356	8,139583	8,121927	8,191936	8,029173	8,176975	8,029331	8,1511487	8,078493	-0,07265567	0,950886026	Nfe2l1
17439003	7,13853	6,98262	6,828024	6,891932	7,015199	6,824085	6,983058	6,910405333	-0,07265267	0,950888003	Mthfd2l
17458454	8,14442	8,237037	8,237934	8,173023	8,036238	8,192173	8,2064637	8,133811333	-0,07265233	0,950888223	2410003K15Rik
17259585	10,68914	10,59221	10,52658	10,46963	10,57524	10,54515	10,602643	10,53000667	-0,07263667	0,950898549	Narf
17538990	5,42236	5,272824	5,043428	5,21515	5,072011	5,233545	5,246204	5,173568667	-0,07263533	0,950899427	Rragb
17491329	5,394063	5,193718	4,930833	5,096822	5,071432	5,132474	5,1728713	5,100242667	-0,07262867	0,950903822	Mrgpra2b
17370735	5,018155	5,233523	5,248007	5,434567	5,10195	4,745372	5,1665617	5,093963	-0,07259867	0,950923595	Tnfaip6
17528405	9,144925	9,32339	9,068996	8,986118	9,156249	9,17718	9,1791037	9,106515667	-0,072588	0,950930626	Rab8b
17481508	3,950122	4,023263	4,233768	4,352133	3,654398	3,982866	4,069051	3,996465667	-0,07258533	0,950932384	Olfr17
17365148	4,937407	5,014863	4,993728	4,859023	4,903523	4,96571	4,9819993	4,909418667	-0,07258067	0,95093546	---
17525465	4,513897	4,414105	4,376524	4,545547	4,058689	4,482578	4,434842	4,362271333	-0,07257067	0,950942051	Gm5916
17308783	9,595545	10,06939	9,710184	9,544038	9,653925	9,959497	9,7917063	9,719153333	-0,072553	0,950953696	Gm10132 // Gm3362 // Rpl23a
17250597	6,610245	6,692726	7,003418	6,824007	6,607615	6,657126	6,7687963	6,696249333	-0,072547	0,950957651	B9d1
17493250	8,926051	8,88059	8,955685	8,747311	8,889148	8,908241	8,9207753	8,848233333	-0,072542	0,950960947	Eed
17429288	4,62396	4,291964	4,444434	4,662818	4,302423	4,177496	4,4534527	4,380912333	-0,07254033	0,950962045	Olfr1329
17450998	4,64396	4,685021	4,521154	4,456596	4,649939	4,526025	4,6167117	4,544186667	-0,072525	0,950972152	Pole
17358128	4,231044	4,282272	4,143312	4,299826	4,276891	3,862339	4,218876	4,146352	-0,072524	0,950972812	---
17550142	6,491131	6,521289	6,190996	6,504794	6,207487	6,273583	6,4011387	6,328621333	-0,07251733	0,950977206	---
17471889	3,281133	3,69798	3,422875	3,532496	3,501092	3,150859	3,4673293	3,394815667	-0,07251367	0,950979623	Tas2r106
17378387	4,934153	5,035356	4,899209	4,694378	5,002119	4,954717	4,9562393	4,883738	-0,07250133	0,950987753	---
17320538	5,774649	5,599061	5,967978	5,768713	5,790417	5,565068	5,7805627	5,708066	-0,07249667	0,950990829	Arsa
17220866	6,665001	6,72504	6,583745	6,607094	6,57434	6,574865	6,6579287	6,585433	-0,07249567	0,950991488	Rd3
17202559	3,744872	3,789298	4,097571	3,744872	3,69128	3,978138	3,877247	3,804763333	-0,07248367	0,950999398	---
17526982	6,216423	6,011169	6,159244	6,100341	5,849204	6,219886	6,1289453	6,056477	-0,07246833	0,951009506	Gm684
17224771	6,498528	6,755499	6,514765	6,578059	6,49479	6,47859	6,5895973	6,517146333	-0,072451	0,951020932	Serpine2
17508052	10,13639	9,936756	9,949621	9,914051	9,992192	9,899174	10,007589	9,935139	-0,07245	0,951021591	Vdac3
17405724	5,577307	5,473798	5,335695	5,293314	5,612599	5,263625	5,4622667	5,389846	-0,07242067	0,951040928	Shox2
17520716	4,123235	4,127661	3,973332	4,137735	3,933389	3,935868	4,0747427	4,002330667	-0,072412	0,951046641	1600029I14Rik
17348450	10,08348	10,17973	10,04602	10,0723	10,08022	9,939542	10,103077	10,03068733	-0,07238933	0,951061583	---
17220489	8,140223	8,426804	8,22803	8,184307	8,235773	8,157825	8,265019	8,192635	-0,072384	0,951065099	Rab3gap2
17362279	8,132191	8,163341	8,134743	8,156321	8,036173	8,020647	8,143425	8,071047	-0,072378	0,951069054	Naa40
17514899	3,702866	3,675447	3,225883	3,30717	3,411884	3,66803	3,534732	3,462361333	-0,07237067	0,951073889	Mbd3l1
17221360	10,23595	10,03762	9,788273	9,870458	9,836508	10,13782	10,020614	9,948262	-0,07235233	0,951085975	Lactb2
17390866	5,00231	4,780204	5,00463	4,9061	4,601509	5,062483	4,929048	4,856697333	-0,07235067	0,951087074	---
17355871	3,602498	3,572073	3,582464	3,484639	3,558398	3,496968	3,5856783	3,513335	-0,07234333	0,951091908	---
17422092	6,402147	6,334257	6,31386	6,122789	6,405936	6,304531	6,350088	6,277752	-0,072336	0,951096743	Tnfrsf25
17205731	6,385965	5,961802	6,165459	5,781952	6,850991	5,663337	6,1710753	6,09876	-0,07231533	0,951110367	---
17379378	3,785176	3,570496	3,777192	3,677824	3,526238	3,711924	3,7109547	3,638662	-0,07229267	0,95112531	Wfdc12
17430989	8,091156	7,995706	8,064343	8,061421	7,98876	7,884171	8,0504017	7,978117333	-0,07228433	0,951130804	Tmem222
17311907	3,869239	3,78636	3,839728	3,606999	3,780073	3,891501	3,8317757	3,759524333	-0,07225133	0,951152561	---
17531751	4,264939	4,20992	4,334661	4,214508	4,177052	4,201208	4,26984	4,197589333	-0,07225067	0,951153	Arpp21
17489052	6,384089	6,337584	6,585684	6,398411	6,347167	6,345057	6,4357857	6,363545	-0,07224067	0,951159593	Aplp1
17380544	3,225594	3,288751	3,344127	3,365989	3,06396	3,211833	3,2861573	3,213927333	-0,07223	0,951166626	---
17275604	4,852054	4,915083	4,970718	4,694335	5,009886	4,816954	4,9126183	4,840391667	-0,07222667	0,951168823	Pax9
17547925	3,496329	4,011868	3,884326	3,680606	3,649722	3,845516	3,7975077	3,725281333	-0,07222633	0,951169043	Gm7167
17547620	9,230474	9,551191	9,38851	9,232394	9,242252	9,478851	9,3900583	9,317832333	-0,072226	0,951169263	Ftl1 // Ftl1
17262549	9,999887	10,15011	10,19005	10,02898	10,09003	10,00438	10,113349	10,04113	-0,072219	0,951173878	---
17357229	9,257833	9,253899	8,991584	9,031187	9,103345	9,152129	9,167772	9,095553667	-0,07221833	0,951174317	---
17232549	3,717816	3,700257	3,841289	4,033519	3,495553	3,513651	3,7531207	3,680907667	-0,072213	0,951177834	Hs3st5
17405261	7,824916	7,583326	7,409528	7,615873	7,435681	7,549777	7,6059233	7,533777	-0,07214633	0,951221789	Rfxap
17449060	4,763497	4,962786	4,761588	4,705855	4,883429	4,682165	4,8292903	4,757149667	-0,07214067	0,951225525	---
17226550	10,39062	10,55392	10,48376	10,42535	10,37411	10,41243	10,4761	10,40396333	-0,07213667	0,951228162	Mcm6
17319045	6,019662	5,998749	6,172834	5,876918	6,078181	6,019748	6,0637483	5,991615667	-0,07213267	0,951230799	Elfn2
17321790	5,436162	5,488641	5,529375	5,498781	5,613863	5,125192	5,484726	5,412612	-0,072114	0,951243107	Galnt6
17536191	4,647531	4,828127	4,845942	4,618064	4,718915	4,768333	4,7738667	4,701770667	-0,072096	0,951254976	5430427O19Rik
17548879	7,667868	7,90139	7,930581	7,619631	7,792138	7,871831	7,8332797	7,7612	-0,07207967	0,951265745	---
17484098	9,097358	8,960803	9,25386	8,856547	9,103303	9,135992	9,104007	9,031947333	-0,07205967	0,951278933	---
17223766	7,578893	7,755986	7,532314	7,504025	7,616412	7,530612	7,6223977	7,550349667	-0,072048	0,951286625	Klf7
17541217	6,559806	6,698688	6,612535	6,559178	6,809976	6,285838	6,6236763	6,551664	-0,07201233	0,951310144	C1galt1c1
17329282	9,936064	9,996861	9,954418	9,870787	9,892221	9,90835	9,9624477	9,890452667	-0,071995	0,951321573	Tra2b
17360852	3,9142	3,760538	4,010359	3,860184	3,794019	3,814913	3,8950323	3,823038667	-0,07199367	0,951322453	2700089I24Rik
17224587	8,975561	8,971001	9,024475	8,860668	8,89987	8,994555	8,9903457	8,918364333	-0,07198133	0,951330585	Dnpep
17293186	3,805205	3,620415	3,829205	3,660457	3,627818	3,750613	3,7516083	3,679629333	-0,071979	0,951332124	4930455J16Rik
17427126	5,532939	5,497535	5,430785	5,341184	5,423469	5,48072	5,4870863	5,415124333	-0,071962	0,951343334	---
17516689	2,995589	2,863296	2,864868	2,857744	2,90371	2,746477	2,9079177	2,835977	-0,07194067	0,951357402	---
17428129	5,100321	5,117408	4,997958	4,899134	4,980608	5,120142	5,0718957	4,999961333	-0,07193433	0,951361578	Kti12 // Kti12
17370343	4,423024	4,019503	4,49681	4,237879	4,458289	4,027409	4,3131123	4,241192333	-0,07192	0,95137103	Olfr347
17294544	3,690258	3,633826	3,565987	3,315205	3,632257	3,726879	3,6300237	3,558113667	-0,07191	0,951377625	D13Mgi7
17259314	4,941015	4,575032	4,842607	4,37527	4,821601	4,946073	4,786218	4,714314667	-0,07190333	0,951382021	Fscn2
17205475	7,066549	7,030685	7,305928	7,355449	6,880095	6,951993	7,1343873	7,062512333	-0,071875	0,951400705	---
17330380	8,868286	8,926621	8,777349	8,743716	8,897048	8,715879	8,8574187	8,785547667	-0,071871	0,951403343	4930455C21Rik
17470672	4,113353	3,73578	3,814418	3,810585	3,87732	3,76007	3,8878503	3,815991667	-0,07185867	0,951411477	---
17481618	3,096824	2,979912	3,153284	2,946978	3,036049	3,031513	3,0766733	3,004846667	-0,07182667	0,95143258	Olfr497
17538972	3,771638	3,722455	3,794688	3,552329	3,713009	3,808058	3,762927	3,691132	-0,071795	0,951453464	---
17377793	9,883145	9,840414	9,82708	9,641632	9,779862	9,913773	9,850213	9,778422333	-0,07179067	0,951456321	Tpx2
17547797	3,483162	3,392729	3,433165	3,461112	3,28486	3,347719	3,436352	3,364563667	-0,07178833	0,95145786	Gm19471
17302711	4,696234	4,696622	4,624331	4,63541	4,677158	4,489275	4,6723957	4,600614333	-0,07178133	0,951462477	Cldn10
17213189	3,600904	3,877715	3,571507	3,702105	3,460447	3,672251	3,6833753	3,611601	-0,07177433	0,951467093	Gm20257
17343538	3,722675	3,83933	3,706343	3,706343	3,661686	3,685015	3,756116	3,684348	-0,071768	0,95147127	4921501E09Rik
17259220	6,526872	6,424148	6,745987	6,458284	6,659944	6,363492	6,565669	6,493906667	-0,07176233	0,951475007	Chmp6
17465971	5,606583	5,669625	5,705248	5,71226	5,441409	5,612573	5,6604853	5,588747333	-0,071738	0,951491056	D630045J12Rik
17207547	3,269543	3,946633	3,202962	3,246145	3,470888	3,486966	3,473046	3,401333	-0,071713	0,951507544	---
17305143	4,959459	5,017877	4,854872	5,130834	4,726038	4,760219	4,9440693	4,872363667	-0,07170567	0,951512381	Cdhr1
17396401	5,544508	5,063352	5,191661	5,34812	5,188317	5,047989	5,266507	5,194808667	-0,07169833	0,951517217	---
17326250	8,610844	8,543954	8,425411	8,46693	8,389291	8,508905	8,5267363	8,455042	-0,07169433	0,951519855	Zbtb11
17221061	3,987214	3,754861	3,702743	3,810572	3,78259	3,63659	3,8149393	3,743250667	-0,07168867	0,951523593	Rp1 // Rp1
17466845	5,500208	5,476598	5,70791	5,481397	5,342375	5,645905	5,561572	5,489892333	-0,07167967	0,951529529	Hoxa7
17238091	6,037852	6,268867	6,681878	5,936281	6,566278	6,271033	6,3295323	6,257864	-0,07166833	0,951537004	1700012D01Rik
17401985	2,984045	2,821051	3,031581	2,73112	2,925279	2,965312	2,945559	2,873903667	-0,07165533	0,951545578	---
17249923	7,777481	7,85702	7,090837	7,369981	7,457881	7,682513	7,7751127	7,503458333	-0,07165433	0,951546237	---
17515025	4,302718	4,698949	4,255931	4,240252	4,352529	4,449859	4,4191993	4,347546667	-0,07165267	0,951547337	---
17247993	9,799215	9,931016	9,91176	9,779388	9,788027	9,859686	9,8806637	9,809033667	-0,07163	0,951562287	Smek2
17211033	4,624762	4,503003	4,546766	4,495402	4,464036	4,500266	4,558177	4,486568	-0,071609	0,951576138	1700034P13Rik
17488556	5,877043	5,943216	5,936571	5,797465	6,019778	5,724875	5,9189433	5,847372667	-0,07157067	0,951601422	Gm19897
17416600	5,739624	5,755241	5,976624	5,74522	5,84733	5,664361	5,8238297	5,752303667	-0,071526	0,951630885	Slc1a7
17400519	6,843874	6,907855	7,030253	6,842101	6,869869	6,85545	6,9273273	6,855806667	-0,07152067	0,951634403	---
17283936	9,083094	9,134696	8,942578	8,906956	9,265666	8,773211	9,053456	8,981944333	-0,07151167	0,95164034	---
17313427	5,470912	5,694305	5,805503	5,376047	5,226326	6,153846	5,6569067	5,585406333	-0,07150033	0,951647815	---
17403823	3,941607	3,634853	4,035628	3,759411	3,89278	3,745404	3,870696	3,799198333	-0,07149767	0,951649574	9330178D15Rik
17264824	8,913385	8,950192	8,994552	8,88663	8,890558	8,866451	8,9527097	8,881213	-0,07149667	0,951650234	Mpdu1

17212694	3,980239	4,008514	3,895683	3,943283	3,858076	3,868602	3,9614787	3,889987	-0,07149167	0,951653532	---	
17470988	7,268392	7,116916	6,976304	6,990021	7,12218	7,035002	7,1205373	7,049067667	-0,07146967	0,951668044	Ptms	
17387776	3,713591	3,605483	3,535345	3,425011	3,639307	3,575783	3,6181397	3,546700333	-0,07143933	0,951688054	Olfr1138	
17229715	8,261396	8,183871	8,015659	7,960097	8,121771	8,16477	8,153642	8,082212667	-0,07142933	0,95169465	Ufc1	
17458924	4,571467	4,691699	5,085859	4,81663	4,670238	4,647887	4,7830083	4,711585	-0,07142333	0,951698608	Vmn1r4	
17495304	10,77011	10,65389	10,1514	10,45297	10,48533	10,42286	10,525133	10,45372	-0,07141333	0,951705205	---	
17400805	10,06906	10,16396	10,02817	10,16894	9,961519	9,916497	10,087063	10,015652	-0,07141133	0,951706524	---	
17481721	3,268696	3,529223	3,622456	3,703059	3,35371	3,14941	3,4734583	3,402059667	-0,07139867	0,95171488	---	
17231063	4,34447	4,662514	4,779014	4,423884	4,63717	4,510781	4,5953327	4,523945	-0,07138767	0,951722137	---	
17484578	4,351954	4,457372	4,239586	4,256785	4,432871	4,145097	4,3496373	4,278251	-0,07138633	0,951723016	Olfr539	
17520116	4,780025	4,319862	4,573181	4,263869	4,42741	4,767635	4,5576893	4,486304667	-0,07138467	0,951724116	---	
17367555	7,661343	7,628063	7,349969	7,362017	7,530563	7,532677	7,5464583	7,475085667	-0,07137267	0,951732032	Pdss1	
17243051	7,976532	7,995335	7,888124	7,839627	7,900559	7,905687	7,9533303	7,881957667	-0,07137267	0,951732032	Mob3a	
17504761	5,426228	5,438696	5,470587	5,493647	5,328355	5,299392	5,4451703	5,373798	-0,07137233	0,951732252	Slc9a5	
17414802	6,3993	6,152838	6,529248	6,369244	6,152609	6,34547	6,360462	6,289107667	-0,07135433	0,951744127	Pappa	
17391442	7,893939	7,19004	7,175143	7,873578	7,211289	6,960254	7,4197073	7,348373667	-0,07133367	0,95175776	---	
17484040	10,55683	10,49313	10,37338	10,35427	10,44068	10,4144	10,474447	10,40311667	-0,07133	0,951760179	Bub3	
17471778	3,159408	3,318069	3,079054	3,020712	3,113863	3,207993	3,1855103	3,114189333	-0,071321	0,951766117	Klra3	
17270162	11,98975	12,05851	11,97929	11,91322	11,88905	12,01132	12,009183	11,93786333	-0,07132	0,951766776	Slc4a1	
17302586	7,383054	6,943039	7,405032	7,025493	7,103487	7,388205	7,2437083	7,172395	-0,07131333	0,951771175	Gm4666 // Gm4664 // Gm4663 // Gm93	
17219612	6,667146	6,478949	6,93931	6,448123	6,90214	6,521227	6,695135	6,62383	-0,071305	0,951776672	Vsig8	
17484104	10,38577	10,49049	10,32686	10,41877	10,46655	10,10391	10,40104	10,32974333	-0,07129667	0,95178217	---	
17442237	5,138307	4,780675	4,637369	4,622642	4,934632	4,785236	4,852117	4,780836667	-0,07128033	0,951792945	Wdr66	
17343079	6,999883	7,138144	7,073364	6,998366	7,031054	6,96817	7,0704637	6,999196667	-0,071267	0,951801742	1110021J02Rik	
17226916	5,729012	5,594143	5,627926	5,50682	5,612051	5,618459	5,6503603	5,57911	-0,07125033	0,951812738	Nfasc	
17513491	8,099238	8,038139	8,242972	8,13413	8,154919	7,877571	8,126783	8,05554	-0,071243	0,951817576	Cotl1	
17280173	5,302516	5,059472	5,235259	5,283206	5,024557	5,075814	5,1990823	5,127859	-0,07122333	0,951830551	1700030C10Rik	
17398043	4,03956	3,945416	4,160429	4,230492	3,890211	3,811063	4,0484683	3,977255333	-0,071213	0,951837369	Vmn2r1	
17203871	3,199157	2,744296	3,195467	3,313982	2,885273	2,726057	3,0463067	2,975104	-0,07120267	0,951844186	---	
17548452	5,386061	5,045916	4,752841	5,134838	4,709505	5,126921	5,061606	4,990421333	-0,07118467	0,951856062	LOC100505155	
17238571	8,217237	8,326284	8,227055	8,10901	8,255256	8,192802	8,2568587	8,185689333	-0,07116933	0,951866179	Dnajc14	
17404464	4,104648	4,133839	3,609415	3,860918	3,836694	3,936793	3,9493007	3,878135	-0,07116567	0,951868598	Tmem212	
17391554	7,246272	7,836415	7,560749	7,717924	7,460347	7,251672	7,547812	7,476647667	-0,07116433	0,951869478	Il1a	
17407335	9,521612	9,259431	9,594855	9,292733	9,573484	9,29635	9,4586327	9,387522333	-0,07111033	0,951905107	---	
17207765	5,617983	3,216169	3,343697	3,559678	4,4048	4,000075	4,059283	3,988184333	-0,07109867	0,951912804	---	
17550194	2,990891	3,001259	2,98341	2,869794	2,990256	2,902244	2,9918533	2,920764667	-0,07108867	0,951919403	---	
17511077	3,523174	3,65427	3,669492	3,532824	3,81816	3,282754	3,6156453	3,544579333	-0,071066	0,951934359	Mir24-2 // Mir24-2	
17250744	10,53854	10,89655	10,9584	10,74104	10,84834	10,59093	10,79783	10,72677	-0,07106	0,951938318	Snord65	
17254121	5,051628	4,840837	5,044487	4,916149	4,916958	4,89087	4,978984	4,907992333	-0,07099167	0,951983407	Fndc8	
17503287	10,64787	10,77976	10,81596	10,59531	10,69906	10,73632	10,747863	10,67689667	-0,07096667	0,951999904	Prdx2	
17548330	10,31353	10,72818	10,54336	10,43381	10,38088	10,55752	10,528357	10,45740333	-0,07095333	0,952008702	---	
17542047	5,383616	5,38234	5,259789	5,126034	5,328381	5,358509	5,341915	5,270974667	-0,07094033	0,952017281	Slitrk4	
17482560	7,950355	7,99752	8,094601	8,015732	7,888858	7,925187	8,0141587	7,943259	-0,07089967	0,952044117	Eef2k	
17210789	3,162449	3,142852	3,191024	2,799554	3,404315	3,079827	3,1654417	3,094565333	-0,07087633	0,952059515	---	
17481797	4,005802	3,83968	3,756708	3,645565	3,992219	3,751813	3,8673967	3,796532333	-0,07086433	0,952067434	Mrvi1	
17366940	6,169003	5,399044	5,498644	5,870594	5,349446	5,634063	5,688897	5,618034333	-0,07086267	0,952068534	---	
17205047	3,713701	3,33673	3,183817	2,994179	3,875272	3,152232	3,411416	3,340561	-0,070855	0,952073593	---	
17209237	3,713701	3,33673	3,183817	2,994179	3,875272	3,152232	3,411416	3,340561	-0,070855	0,952073593	---	
17336896	9,226631	9,491337	9,428687	9,315162	9,356738	9,262228	9,3822183	9,311376	-0,07084233	0,952081952	Clic1	
17506291	7,837604	7,681316	7,585712	7,406258	7,741417	7,744491	7,701544	7,630722	-0,070822	0,952095371	Foxf1	
17336980	5,826904	6,132638	5,870798	6,045863	5,925056	5,646976	5,9434467	5,872631667	-0,070815	0,952099991	D17H6S53E	
17306318	3,078362	3,15992	3,19192	3,060572	2,966972	3,190253	3,1434007	3,072599	-0,07080167	0,95210879	Olfr1510	
17446627	8,548926	8,534012	8,734904	8,496031	8,717027	8,392384	8,6059473	8,535147333	-0,0708	0,95210989	Tyms // Tyms	
17532272	4,038809	3,738064	3,801582	3,835079	3,784599	3,746392	3,859485	3,78869	-0,070795	0,95211319	Gm5922	
17511788	4,63144	4,079598	4,767448	4,59408	4,313954	4,358126	4,4928287	4,422053333	-0,07077533	0,952126169	Ces5a	
17343681	8,787239	8,694934	8,722881	8,853377	8,355206	8,784161	8,735018	8,664248	-0,07077	0,952129689	---	
17548199	4,010834	4,161963	4,286339	4,179535	4,074617	3,992687	4,1530453	4,082279667	-0,07076567	0,952132548	Gm20099	
17418119	4,847445	5,007661	5,102978	4,797345	4,965756	4,982725	4,986028	4,915275333	-0,07075267	0,952141128	Mycl1	
17203899	5,09069	4,943497	5,085755	5,292817	4,347877	5,267063	5,0399807	4,969252333	-0,07072833	0,952157188	---	
17549908	6,061221	6,147339	6,335257	5,92452	6,370901	6,036226	6,1812723	6,110549	-0,07072333	0,952160487	---	
17439116	7,263778	6,819682	7,110857	7,031771	6,893593	7,056832	7,0647723	6,994065333	-0,070707	0,952171267	Fam47e // Fam47e	
17450515	9,74257	10,11534	7,229656	7,427701	9,672335	9,775412	9,0291887	8,958482667	-0,070706	0,952171927	Gbp11	
17457504	6,120109	5,688769	5,798961	5,765229	5,93925	5,691319	5,8692797	5,798599333	-0,07068033	0,952188867	Rab19	
17444016	5,276218	5,038356	5,129354	5,14676	5,135489	4,949725	5,147976	5,077324667	-0,07065133	0,952208008	Gpr30	
17297125	7,521089	7,389858	7,201406	7,320823	7,234863	7,344715	7,3707843	7,300133667	-0,07065067	0,952208448	Ptprg	
17402678	5,47251	5,577497	5,725071	5,395391	5,550704	5,61708	5,5916927	5,521058333	-0,07063433	0,952219228	LOC100503594	
17447096	10,92063	10,80611	11,1179	10,87398	10,97522	10,7836	10,948213	10,8776	-0,07061333	0,952233089	---	
17340626	4,678588	4,555174	4,740165	4,521748	4,733439	4,506911	4,6579757	4,587366	-0,07060967	0,952235509	---	
17306625	6,385739	6,529986	6,2808	6,430995	6,454127	6,099612	6,3988417	6,328244667	-0,070597	0,95224387	Zfhx2	
17547892	8,309023	8,418074	8,274014	8,256557	8,365585	8,167253	8,3337037	8,263131667	-0,070572	0,952260371	4930529C04Rik // 4930529C04Rik	
17283422	8,278295	8,338452	8,153708	8,07163	8,216076	8,271074	8,2568183	8,18626	-0,07055833	0,952269392	Atxn3	
17502583	9,68733	9,888453	9,835068	9,712818	9,832135	9,654259	9,803617	9,733070667	-0,07054633	0,952277312	Mcm5	
17550038	3,373325	2,961119	3,298767	3,296641	3,034315	3,090622	3,2110703	3,140526	-0,07054433	0,952278633	---	
17476998	10,15486	10,45346	10,23478	10,07599	10,15886	10,39664	10,281033	10,21049667	-0,07053667	0,952283693	Hmgb1	
17467015	6,581019	6,835471	6,749517	6,397599	6,687472	6,869358	6,7220023	6,651476333	-0,070526	0,952290734	Nod1	
17418904	9,086244	9,181592	8,966483	8,988762	9,00054	9,033504	9,0781063	9,007602	-0,07050433	0,952305036	Ak2	
17236922	6,704128	6,617938	6,643813	6,616254	6,487645	6,650476	6,655293	6,584791667	-0,07050133	0,952307016	Gm4302	
17236924	6,704128	6,617938	6,643813	6,616254	6,487645	6,650476	6,655293	6,584791667	-0,07050133	0,952307016	Gm4302 // Gm4302	
17240689	2,821051	2,991073	2,784333	2,759093	2,884574	2,741376	2,8654857	2,795014333	-0,07047133	0,952326819	---	
17219451	10,44124	10,82974	10,50352	10,48686	10,61473	10,4615	10,5915	10,52103	-0,07047	0,952327699	---	
17292477	7,22842	7,15288	7,095725	6,978495	7,052586	7,234537	7,1590083	7,088539333	-0,070469	0,952328359	Cenpp	
17518799	8,196477	8,144099	8,237511	8,089466	8,17393	8,103319	8,1926957	8,122238333	-0,07045733	0,95233606	Rps27l	
17267932	5,416203	5,134693	5,400894	5,223822	5,39112	5,125509	5,3172633	5,246817	-0,07044633	0,952343322	Spata20	
17533937	8,990953	8,763601	8,712946	8,988297	8,403971	8,863894	8,8225	8,752054	-0,070446	0,952343542	Gm2799	
17369974	7,564007	7,60122	7,520473	7,399709	7,695051	7,379622	7,5619	7,491460667	-0,07043933	0,952347942	Tor2a	
17223880	7,51647	7,610585	7,397242	7,451392	7,377438	7,48419	7,508099	7,437673333	-0,07042567	0,952356964	Kansl1l	
17534051	9,064476	9,443513	8,781441	8,926422	9,039672	9,112093	9,0964767	9,026062333	-0,07041433	0,952364445	Il13ra1	
17542119	3,000931	2,985651	2,988404	2,864899	3,010878	2,888004	2,991662	2,921260333	-0,07040167	0,952372807	Mir509	
17514330	12,56782	12,46112	12,13988	12,43761	12,24909	12,27096	12,389607	12,31922	-0,07038667	0,952382709	---	
17387585	4,051659	4,135211	3,829373	4,105335	3,888937	3,810835	4,0054143	3,935035667	-0,07037867	0,95238799	Olfr993	
17477946	5,488678	5,520204	5,498045	5,453937	5,313612	5,528307	5,502309	5,431952	-0,070357	0,952402294	Mamstr	
17266107	6,801596	6,652622	6,654279	6,668768	6,729324	6,499336	6,7028323	6,632476	-0,07035633	0,952402734	Abr	
17516005	3,626642	3,724355	3,702254	3,671958	3,603214	3,567043	3,684417	3,614071667	-0,07034533	0,952409995	---	
17235539	8,969609	8,833745	9,029405	8,921281	8,872847	8,827601	8,944253	8,873909667	-0,07034333	0,952411316	Map2k2	
17550663	6,201959	6,205474	6,415414	6,100034	6,342931	6,168888	6,2742823	6,203951	-0,07033133	0,952419238	---	
17289132	4,952771	4,532882	5,122647	4,862768	4,64927	4,885367	4,8694333	4,799135	-0,07029833	0,952441023	Cmya5 // Cmya5	
17361304	5,950703	6,388265	6,220073	5,983101	6,138088	6,226966	6,186347	6,116051667	-0,07029533	0,952443004	Lrfn4	
17282740	6,195266	5,820149	6,262088	5,942576	5,988862	6,135254	6,092501	6,022230667	-0,07027033	0,952459509	---	
17232417	5,566503	5,539342	5,448026	5,609947	5,408856	5,324276	5,517957	5,447693	-0,070264	0,95246369	9330159F19Rik	
17206407	3,893025	4,47807	3,957704	3,845509	3,518579	4,75394	4,1095997	4,039342667	-0,070257	0,952468311	---	
17311871	3,743752	3,780509	4,004402	3,729935	3,804808	3,783168	3,8428877	3,772637	-0,07025067	0,952472493	4930449C09Rik	
17307247	3,324144	3,537248	3,548038	3,468945	3,362455	3,367288	3,46981	3,399562667	-0,07024733	0,952474693	1700129C05Rik	
17348145	4,055615	3,972882	4,621495	4,208319	4,180023	4,050914	4,216664	4,146418667	-0,07024533	0,952476014	Gm10556	
17548622	9,998069	10,00177	10,07303	9,795326	10,0188	10,04813	10,02429	9,954085333	-0,07020433	0,952503083	Fam103a1	
17303665	4,151208	3,661154	3,879554	3,9463	3,812485	3,722571	3,8973053	3,827118667	-0,07018667	0,952514747	Gm9637	
17461448	4,560807	3,915188	4,13515	4,272668	4,064538	4,06343	4,203715	4,133545333	-0,07016967	0,952525971	Grm7	
17269200	7,964032	7,902794	7,764987	7,906079	7,823667	7,691626	7,877271	7,807124	-0,070147	0,952540936	---	
17335165	6,717315	6,421534	6,961824	6,761375	6,66586	6,463027	6,7002243	6,630087333	-0,070137	0,952547539	---	
17267484	7,258799	7,223106	7,088366	7,08438	7,098616	7,176926	7,1900903	7,119974	-0,07011633	0,952561184	Rad51c	
17527806	7,939721	8,007294	8,232938	8,074408	7,912961	7,982239	8,0599843	7,989869333	-0,070115	0,952562064	---	
17405612	4,70444	4,359828	4,430677	4,522909	4,452239	4,309484	4,498315	4,428210667	-0,07010433	0,952569107	Vmn2r3	
17464886	4,348025	4,244286	4,215088	4,094934	4,257895	4,244286	4,269133	4,199038333	-0,07009467	0,95257549	Vwde	
17543131	3,892191	3,242653	3,712805	3,714299	3,566649	3,356486	3,6158883	3,545811333	-0,07007167	0,952590676	Mageb5	
17256579	4,852583	4,883974	4,97292	4,896334	4,794019	4,808953	4,903159	4,833102	-0,070057	0,952600361	Cntnap1	
17468713	6,961949	7,204453	7,646088	7,435452	6,90594	7,260962	7,27083	7,200784667	-0,07004533	0,952608064	---	
17243888	6,349065	6,592107	6,544236	6,450863	6,115153	6,709267	6,495136	6,425094333	-0,07004167	0,952610485	Chpt1	
17332336	10,09102	10,19745	10,32045	10,27188	10,04442	10,08262	10,202973	10,13297333	-0,07	0,952637998	---	
17342219	8,734571	8,748308	8,614	8,563833	8,723865	8,599192	8,6989597	8,628963333	-0,06999633	0,952640419	Ube2i	
17372936	3,228126	3,194691	3,336592	3,215225	3,216884	3,117367	3,2531363	3,183158667	-0,06997767	0,952652745	Olfr1257	
17448712	7,780282	7,513736	7,327559	7,481356	7,484569	7,445758	7,5405257	7,470561	-0,06996467	0,95266133	Tec	
17511130	6,652319	7,05615	6,835062	6,597085	6,964236	6,772331	6,8478437	6,777884	-0,06995967	0,952664631	Ier2	
17290967	4,735569	4,559065	4,702879	4,6785	4,54973	4,559464	4,6658377	4,595898	-0,06993967	0,952677838	Zfp389	
17411054	9,3904	9,400874	9,230474	9,130838	9,30104	9,380052	9,3405827	9,270643333	-0,06993933	0,952678058	Rpf1	
17247691	5,009067	4,799743	4,78542	4,88666	4,808048	4,689708	4,8647433	4,794805333	-0,069938	0,952678939	1700061J23Rik	
17432572	4,000711	3,81575	4,266654	4,066651	3,9774	3,829269	4,027705	3,957773333	-0,06993167	0,952683121	Gm13124	
17325849	7,748719	7,910925	7,799586	7,733783	7,710601	7,805089	7,8197433	7,749824333	-0,069919	0,952691485	BC027231	
17481139	4,813787	3,971617	4,230681	4,488443	4,146251	4,171647	4,338695	4,268780333	-0,06991467	0,952694347	Olfr556	
17221122	4,181254	4,372888	4,452976	4,344481	4,153238	4,299664	4,335706	4,265794333	-0,06991167	0,952696328	Sntg1	
17223313	7,384756	7,370448	7,251512	7,284917	7,293867	7,218204	7,335572	7,265662667	-0,06990933	0,952697869	1110034B05Rik	
17537975	3,924387	4,003725	3,407762	3,707177	3,631889	3,787081	3,7786247	3,708715667	-0,069909	0,952698089	---	
17218845	6,657276	6,039289	6,094335	6,064493	6,330586	6,186096	6,2636333	6,193725	-0,06990833	0,952698529	Selp	
17202547	6,509306	6,451222	6,349892	5,974638	6,569436	6,556628	6,4368067	6,366900667	-0,069906	0,95270007	---	
17298729	2,839454	2,939525	2,975183	2,873871	2,836185	2,834393	2,918054	2,848149667	-0,06990433	0,952701171	---	
17407363	11,85946	11,91086	11,78088	11,74036	11,92211	11,67903	11,8504	11,7805	-0,0699	0,952704032	S100a9	

17437117	4,035738	4,270428	4,117027	4,19037	4,212667	3,810457	4,1410643	4,071164667	-0,06989967	0,952704252	---	
17532597	13,28739	13,40685	13,38486	13,29557	13,22393	13,34992	13,3597	13,28980667	-0,06989333	0,952708435	---	
17308160	4,559496	4,429662	4,586652	4,372286	4,544499	4,449352	4,52527	4,455379	-0,069891	0,952709975	Gm16677	
17480018	9,174953	9,304103	9,010124	9,008642	9,092453	9,178481	9,16306	9,093192	-0,069868	0,952725164	Ctsc	
17455752	7,678468	7,59871	7,494099	7,549765	7,532216	7,479722	7,5904257	7,520567667	-0,069858	0,952731768	Ccdc132	
17240691	3,897973	3,651499	3,270892	3,621133	3,403245	3,586464	3,606788	3,536947333	-0,06984067	0,952743215	C130030K03Rik	
17207781	3,973616	3,836678	3,689767	4,20174	3,497545	3,591313	3,8333537	3,763532667	-0,069821	0,952756202	---	
17335338	5,163826	4,786092	5,505333	5,49983	4,691767	5,054196	5,1517503	5,081931	-0,06981933	0,952757303	---	
17419831	8,994385	9,171475	9,147822	8,991173	9,029588	9,083517	9,1045607	9,034759333	-0,06980133	0,95276919	Syf2	
17205767	3,33391	3,380339	3,724431	3,49713	3,580855	3,151355	3,47956	3,40978	-0,06978	0,952783279	---	
17384632	8,555985	8,559754	8,334445	8,455233	8,303884	8,481747	8,4833947	8,413621333	-0,06977333	0,952787682	Strbp	
17389645	8,60679	8,879007	8,802999	8,623237	8,619873	8,836378	8,762932	8,693162667	-0,06976933	0,952790324	---	
17347074	6,076146	5,761006	5,970382	5,939336	5,792254	5,866641	5,9358447	5,866077	-0,06976767	0,952791424	---	
17234803	8,569603	8,622255	8,37642	8,363276	8,511913	8,48383	8,5227593	8,453006333	-0,069753	0,952801111	Cstb	
17545148	4,748463	4,644285	4,609854	4,856898	4,355637	4,580813	4,667534	4,597782667	-0,06975133	0,952802211	Mageb16-ps1	
17268898	6,335147	6,353534	6,482884	6,409952	6,267578	6,284822	6,3905217	6,320784	-0,06973767	0,952811237	Msl1	
17337945	4,445432	4,549531	4,608803	4,355702	4,588799	4,450076	4,5345887	4,464859	-0,06972967	0,952816521	Slc29a1	
17204179	5,47482	4,964748	4,946623	4,982341	5,328728	4,865973	5,1287303	5,059014	-0,06971633	0,952825327	---	
17226166	6,46298	6,534211	6,48987	6,510425	6,443411	6,3241	6,495687	6,425978667	-0,06970833	0,95283061	2900060B14Rik	
17472185	8,40081	8,811076	8,564702	8,594835	8,458608	8,51412	8,592196	8,522521	-0,069675	0,952852626	Art4	
17226098	3,015555	2,873888	3,013781	2,94203	2,741336	3,010885	2,9677413	2,898083667	-0,06965767	0,952864074	Serpinb3b	
17447146	7,482946	8,022328	7,646446	7,713554	7,572814	7,656384	7,71724	7,647584	-0,069656	0,952865175	---	
17337631	3,607251	4,111004	3,778013	3,604561	3,753544	3,929207	3,8320893	3,762437333	-0,069652	0,952867817	Olfr134	
17206991	4,077052	3,849685	4,039637	4,108672	4,109075	3,539678	3,9887913	3,919141667	-0,06964967	0,952869358	---	
17202903	6,271104	5,858298	6,594882	6,245202	5,569507	6,700649	6,241428	6,171786	-0,069642	0,952874421	---	
17228353	7,711408	7,509697	7,4814	7,47851	7,331565	7,683568	7,5675017	7,497881	-0,06962067	0,952888512	Mr1	
17536906	5,071808	4,156938	4,146398	4,254059	4,340156	4,57208	4,4583813	4,388765	-0,06961633	0,952891374	---	
17254508	5,64964	5,273103	5,717953	5,40554	5,617495	5,40885	5,5468987	5,477295	-0,06960367	0,95289974	Car4	
17321758	6,947833	6,446327	6,788118	6,907753	6,479883	6,585837	6,727426	6,657824333	-0,06960167	0,952901061	C330013E15Rik	
17387473	9,521611	9,481406	9,358837	9,291213	9,339565	9,522287	9,4539513	9,384355	-0,06959633	0,952904584	Tmx2	
17232049	4,938092	4,976864	5,323803	5,210512	4,879428	4,940032	5,0795863	5,009990667	-0,06959567	0,952905024	Gm5420	
17203069	5,871336	5,12402	5,937826	5,510282	5,134247	6,079885	5,644394	5,574804667	-0,06958933	0,952909207	---	
17337953	4,751372	4,868462	5,043647	5,24008	4,537694	4,676993	4,887827	4,818255667	-0,06957133	0,952921097	E030047D23Rik // E030047D23Rik	
17294934	5,459009	5,438124	5,299244	5,252215	5,453991	5,281463	5,3987923	5,329223	-0,06956933	0,952922418	Thbs4	
17349016	6,778025	7,038964	6,714716	6,633667	6,848908	6,840454	6,8439017	6,774343	-0,06955867	0,952929463	Mocos	
17524847	7,928546	7,965189	8,179188	7,86797	8,036954	7,959335	8,0243077	7,954753	-0,06955467	0,952932105	Epor	
17235556	7,300833	7,338458	7,362459	7,250468	7,318641	7,223987	7,3339167	7,264365333	-0,06955133	0,952934307	Zbtb7a	
17328459	7,852866	7,939156	7,657423	7,776297	7,727048	7,73749	7,8164817	7,746945	-0,06953667	0,952943995	2310008H04Rik	
17447036	4,597349	5,18572	5,080306	4,958937	4,644985	5,0509	4,9544583	4,884940667	-0,06951767	0,952956545	E230008O15Rik // E230008O15Rik	
17464941	3,001589	3,053274	3,151244	2,818868	3,135633	3,04306	3,0687023	2,999187	-0,06951533	0,952958086	---	
17284243	8,901733	9,139451	9,219733	9,069007	9,099518	8,883896	9,0869723	9,017473667	-0,06949867	0,952969095	Cdca4	
17375833	7,537691	7,562024	7,41946	7,426633	7,45239	7,43172	7,5063917	7,436914333	-0,06947733	0,952983187	Tmem127	
17456841	8,401069	8,266684	8,322022	8,219588	8,355858	8,205938	8,329925	8,260461333	-0,06946367	0,952992215	Klhdc10	
17379187	7,91663	7,973957	7,854125	7,902098	7,87491	7,759326	7,914904	7,845444667	-0,06945933	0,952995077	Ift52	
17431440	6,135665	6,233543	6,44682	6,139865	6,179036	6,288756	6,2720093	6,202552333	-0,069457	0,952996618	Rcan3	
17551075	9,425239	9,366615	9,292612	9,308461	9,245418	9,322289	9,3614887	9,292056	-0,06943267	0,953012692	---	
17247882	6,8715	6,79775	6,832376	6,971926	6,725015	6,596404	6,8338753	6,764448333	-0,069427	0,953016436	---	
17519794	10,30859	10,24917	10,2176	10,22294	10,14684	10,19735	10,258453	10,18904333	-0,06941	0,953027666	Senp6	
17536997	4,71177	4,540565	4,788492	4,665285	4,353541	4,813812	4,6802757	4,610879333	-0,06939633	0,953036694	Zcchc13	
17489420	10,30413	10,02073	9,933818	10,137	9,92131	9,992234	10,086226	10,016848	-0,069378	0,953048805	Fxyd1	
17504023	5,32643	5,704866	5,294909	5,65108	5,264332	5,202705	5,4420683	5,372705667	-0,06936267	0,953058934	Nlrc5	
17359934	8,699937	8,361308	8,393126	8,290887	8,372234	8,583165	8,4847903	8,415428667	-0,06936167	0,953059595	---	
17471980	4,319874	4,262229	4,225206	4,268515	3,977998	4,35277	4,269103	4,199761	-0,069342	0,953072587	Kap	
17408156	4,656393	4,326889	4,453878	4,502106	4,384873	4,342176	4,4790533	4,409718333	-0,069335	0,953077211	Gja8	
17214759	7,96086	7,948106	8,096458	7,94152	8,014352	7,841578	8,001808	7,932483333	-0,06932467	0,953084037	Rhbdd1	
17542419	6,289164	6,185343	6,143911	6,216764	6,236526	5,957158	6,2061393	6,136816	-0,06932333	0,953084918	L1cam	
17247509	4,30045	4,073504	4,112546	4,155667	4,049678	4,073202	4,1621667	4,092849	-0,06931767	0,953088662	4933406G16Rik // 4933406G16Rik	
17435702	7,074628	6,997352	6,860415	6,899986	6,95902	6,865541	6,977465	6,908182333	-0,06928267	0,953111784	Dnajb6	
17309653	5,352475	5,433846	4,947566	5,301827	5,086806	5,137414	5,244629	5,175349	-0,06928	0,953113546	A330035P11Rik	
17275392	6,331595	6,457986	6,375434	6,128256	6,417268	6,411723	6,3883383	6,319082333	-0,069256	0,953129402	Ap4s1	
17447979	7,801466	7,57209	7,697845	7,633987	7,571089	7,65858	7,690467	7,621218667	-0,06924833	0,953134467	Gpr125	
17309905	8,388009	9,085268	8,86831	8,762732	8,727965	8,643238	8,780529	8,711311667	-0,06921733	0,953154947	Snord72	
17501283	4,679407	4,922467	4,636906	4,830432	4,61564	4,58506	4,74626	4,677044	-0,069216	0,953155828	Scrg1	
17521794	9,057563	9,336478	9,236876	9,117855	9,188215	9,117254	9,2103057	9,141108	-0,06919767	0,953167941	Qars	
17547785	4,258551	3,95823	3,984037	3,995224	3,925977	4,07203	4,0669393	3,997743667	-0,06919567	0,953169262	Gm20064	
17227278	7,511328	7,311227	7,394822	7,239226	7,438873	7,331735	7,4057923	7,336611333	-0,069181	0,953178952	Rnpep	
17462310	6,690205	6,446382	6,577486	6,74534	6,29232	6,468908	6,5713577	6,502189333	-0,06916833	0,953187321	Ninj2	
17314738	7,839882	7,731467	7,61414	7,578171	7,749851	7,649981	7,7284963	7,659334333	-0,069162	0,953191506	Spats2	
17363788	4,193544	3,993811	4,416279	4,039295	4,077068	4,279788	4,2012113	4,132050333	-0,069161	0,953192166	Gm9883 // Gm9883	
17422992	3,939702	3,881344	3,820851	3,963261	3,736018	3,735137	3,8806323	3,811472	-0,06916033	0,953192607	Mos	
17319806	8,077124	8,06575	8,008112	7,947614	8,030405	7,965502	8,0503287	7,981173667	-0,069155	0,95319613	Arfgap3	
17459324	4,537776	4,62794	4,467828	4,596598	4,223678	4,60583	4,5445147	4,475368667	-0,069146	0,953202077	---	
17378260	8,681239	8,794063	8,713029	8,628277	8,725831	8,626831	8,7294437	8,660313	-0,06913067	0,953212208	Chmp4b	
17308182	7,956204	7,911427	8,102267	7,946732	7,844419	7,971385	7,989966	7,920845333	-0,06912067	0,953218815	Chmp7	
17459895	11,77195	11,64005	11,68743	11,64782	11,61302	11,63124	11,69981	11,63069333	-0,06911667	0,953221458	---	
17536005	8,51228	8,612456	8,39689	8,471821	8,432933	8,409534	8,5072087	8,438096	-0,06911267	0,953224101	Tbl1x	
17482450	3,509607	3,482348	3,379573	3,306291	3,421247	3,436666	3,457176	3,388068	-0,069108	0,953227184	Abca16	
17364187	5,457619	5,358984	5,568784	5,307012	5,516514	5,354601	5,4617957	5,392709	-0,06908667	0,95324128	---	
17314375	5,520735	5,455568	5,567021	5,471799	5,335509	5,528791	5,5144413	5,445366333	-0,069075	0,953248988	Muc19 // Muc19	
17308675	4,471582	4,528874	4,862557	4,524918	4,798693	4,332181	4,6210043	4,551930667	-0,06907367	0,953249869	Spert	
17501544	4,42312	4,390562	4,574841	4,251992	4,489426	4,439885	4,462841	4,393767667	-0,06907333	0,95325009	Npy1r	
17365384	9,35998	9,302145	9,16586	9,373697	9,092494	9,154641	9,275995	9,206944	-0,069051	0,953264846	Actr1a	
17359486	2,939618	2,987709	3,061946	2,954589	2,983488	2,84405	2,9964243	2,927375667	-0,06904867	0,953266388	---	
17280270	6,078799	5,997401	5,957236	5,877139	5,869431	6,079759	6,0111453	5,942109667	-0,06903567	0,953274978	Gm9292	
17409284	5,538162	5,439795	5,939181	5,681732	5,460774	5,567575	5,639046	5,570027	-0,069019	0,953285991	Celsr2	
17383127	8,092413	8,194403	8,366959	8,162102	8,326856	7,957788	8,217925	8,148915333	-0,06900967	0,953292158	Snora43	
17533134	4,103924	3,994722	4,296084	4,686494	3,726526	3,774684	4,1315767	4,062568	-0,06900867	0,953292819	Ssxb1	
17487218	7,319373	6,994918	6,985603	6,91583	6,998716	7,178328	7,0999647	7,030958	-0,06900667	0,95329414	Cd3eap	
17548934	8,175696	8,292814	8,141184	8,171425	8,215111	8,016159	8,2032313	8,134231667	-0,06899967	0,953298766	Zbed4 // Zbed4	
17225175	6,086284	5,960996	6,295552	6,049646	6,063621	6,022664	6,1142773	6,045310333	-0,068967	0,953320351	Nmur1	
17474875	3,162263	3,180348	3,039038	3,102321	3,119709	2,952734	3,1272163	3,058254667	-0,06896167	0,953323875	V1rd19	
17449417	4,447576	4,582561	4,161841	4,059951	4,510962	4,414203	4,397326	4,328372	-0,068954	0,953328941	Sult1e1	
17247845	4,415815	4,306675	4,514557	4,350683	4,295907	4,383599	4,412349	4,343396333	-0,06895267	0,953329823	Papolg	
17452719	5,853627	5,808679	5,921946	5,857364	5,734397	5,785638	5,8614173	5,792466333	-0,068951	0,953330924	Abcb9	
17291812	5,061052	4,72944	4,990896	4,868341	4,898407	4,807825	4,9271293	4,858191	-0,06893833	0,953339294	1700026J04Rik	
17289792	3,902798	3,573045	3,951446	3,891104	3,708079	3,621318	3,8090963	3,740167	-0,06892933	0,953345241	Mir1904	
17203919	3,082483	4,487799	3,597428	3,490675	3,722361	3,747939	3,72257	3,653658333	-0,06891167	0,953356916	---	
17237505	3,358216	3,264425	3,35778	3,322008	3,139082	3,312597	3,326807	3,257895667	-0,06891133	0,953357136	---	
17426022	6,10136	5,59972	5,314841	5,807853	5,37319	5,628163	5,6719737	5,603068667	-0,068905	0,953361321	Mup15 // Mup2	
17251251	5,631907	5,96744	6,056939	5,898674	5,695035	5,855904	5,8854287	5,816537667	-0,068891	0,953370573	Rcvrn	
17221251	10,71598	10,79403	10,59978	10,66609	10,66536	10,57169	10,703263	10,63438	-0,06888333	0,953375639	---	
17426076	3,841708	3,663729	3,543406	3,494704	3,631434	3,716123	3,6829477	3,614087	-0,06886067	0,953390618	Mup5	
17507559	6,982169	7,014151	7,154238	7,020196	7,014064	6,90973	7,050186	6,98133	-0,068856	0,953393702	Grtp1	
17502249	8,056904	8,201221	8,273046	8,132823	8,017494	8,174301	8,177057	8,108206	-0,068851	0,953397006	Pgls	
17549126	3,595695	3,704713	3,5975	3,593215	3,568721	3,529438	3,632636	3,563791333	-0,06884467	0,953401191	---	
17345109	6,198313	6,143418	6,341758	6,252167	6,208306	6,016502	6,2278297	6,158991667	-0,068838	0,953405597	Slc25a27	
17222051	4,638337	4,581016	5,084258	4,86727	4,401864	4,828002	4,7678703	4,699045333	-0,068825	0,953414188	Gm15455 // Gm15455 // Gm15455	
17549486	4,327927	4,055011	4,609374	4,241438	4,061934	4,482483	4,3307707	4,261951667	-0,068819	0,95341815	---	
17549634	4,327927	4,055011	4,609374	4,241438	4,061934	4,482483	4,3307707	4,261951667	-0,068819	0,95341815	---	
17406129	7,43677	7,023341	7,131626	7,165553	7,130792	7,088941	7,1972457	7,128428667	-0,068817	0,953419475	Tmem144	
17324274	8,76811	8,970221	8,851274	8,826195	8,698953	8,858049	8,8632017	8,794399	-0,06880267	0,953428947	Senp2	
17511277	8,435378	8,558622	8,519608	8,329639	8,466162	8,511419	8,504536	8,43574	-0,068796	0,953433353	Asna1	
17494156	4,229723	3,911783	3,8234	3,93979	3,81928	3,999469	3,988302	3,919513	-0,068789	0,953437979	Olfr586	
17231229	10,35115	10,38949	10,52947	10,40849	10,31829	10,33702	10,42337	10,3546	-0,06877	0,953450536	Hsd11b1	
17531900	7,762594	8,000974	7,781813	7,756141	7,830989	7,75199	7,8484603	7,779706667	-0,06875367	0,95346133	Cnot10	
17334861	6,838244	6,889349	7,338498	7,069341	6,98696	6,803546	7,0220303	6,953282333	-0,068748	0,953465075	Mrpl28	
17351625	4,754847	4,652211	4,683668	4,725173	4,691483	4,467873	4,6969087	4,628176333	-0,06873233	0,953475429	---	
17383366	5,565799	5,636667	5,621972	5,443221	5,655305	5,519725	5,608146	5,539417	-0,068729	0,953477632	---	
17274120	11,21874	11,44241	11,32438	11,2762	11,35179	11,15139	11,32851	11,25979333	-0,06871667	0,953485784	---	
17500005	9,573975	9,74586	9,765261	9,59551	9,561614	9,721823	9,695032	9,626315667	-0,06871633	0,953486004	Ank1	
17472467	7,475467	7,4394	7,403471	7,366166	7,47095	7,275081	7,439446	7,370732333	-0,06871367	0,953487766	Recql	
17287099	5,79619	5,498982	5,805001	5,683322	5,644889	5,565873	5,7000577	5,631361333	-0,06869633	0,953499222	---	
17399044	7,902943	8,146467	8,033737	7,924697	7,973909	7,97846	8,0277157	7,959022	-0,06869367	0,953500985	Smg5	
17201229	4,581214	4,559236	4,278093	4,322155	4,410627	4,479886	4,4728477	4,404222667	-0,068625	0,953546369	---	
17407647	5,778426	5,688522	5,332115	5,453485	5,473537	5,666167	5,5996877	5,531063	-0,06862467	0,953546589	Pi4kb	
17515551	6,536176	6,723535	6,611256	6,660681	6,465079	6,539339	6,6236557	6,555033	-0,06862267	0,953547911	B3gat1	
17355460	5,250955	5,1116	5,068184	5,195028	4,966754	5,063096	5,1435797	5,074959333	-0,06862033	0,953549453	---	
17228960	4,201092	4,121974	4,17768	4,222759	4,064578	4,007562	4,1669153	4,098299667	-0,06861567	0,953552537	7420461P10Rik	
17277534	4,560388	4,507589	4,688939	4,650887	4,580296	4,319984	4,5856387	4,517055667	-0,068583	0,953574129	Gm6772	
17526297	5,781002	5,754748	5,827127	5,884183	5,498625	5,774326	5,7876257	5,719044667	-0,068581	0,953575451	Upk2	
17277907	9,530694	9,698266	9,730886	9,492261	9,633676	9,628181	9,653282	9,584706	-0,068576	0,953578756	Psmc1	
17264777	6,944724	7,064801	7,166374	6,937444	7,110683	6,922058	7,058633	6,990061667	-0,06857133	0,95358184	Wrap53	
17510057	6,827679	6,893413	6,952204	6,862844	6,772039	6,832702	6,8910987	6,822528333	-0,06857033	0,953582501	Klhl26	
17232734	8,391102	8,30309	8,293791	8,200677	8,229706	8,351959	8,3293277	8,260780667	-0,068547	0,953597924	Cdk19	

17467181	3,070189	2,875769	2,766901	2,888974	2,848073	2,770179	2,9042863	2,835742	-0,06854433	0,953599687	Vmn1r21	
17465393	4,877123	4,873833	4,954484	4,79529	4,869277	4,835275	4,9018133	4,833280667	-0,06853267	0,953607398	---	
17362895	3,682586	3,62763	3,406317	3,472421	3,805145	3,233373	3,5721777	3,503646333	-0,06853133	0,953608279	1700025F22Rik	
17221396	6,439425	6,580273	6,363489	6,31491	6,59736	6,265337	6,4610623	6,392535667	-0,06852667	0,953611364	Msc	
17475640	8,7874	8,426356	8,598707	8,582466	8,480009	8,544497	8,6041543	8,535657333	-0,068497	0,953630974	Akt2	
17387987	3,939776	3,808712	3,410815	3,714462	3,743867	3,495568	3,7197677	3,651299	-0,06846867	0,953649702	Olfr1251	
17489251	7,231587	7,491869	7,762478	7,464544	7,479631	7,336368	7,4953113	7,426847667	-0,06846367	0,953653007	Haus5	
17222679	7,281679	7,039625	7,070685	7,003596	7,11373	7,069282	7,130663	7,062202667	-0,06846033	0,953655211	1700029F09Rik	
17284474	4,738049	3,94876	3,986613	4,120691	4,207929	4,139534	4,224474	4,156051333	-0,06842267	0,95368011	---	
17317574	4,458346	4,262339	4,301713	4,251688	4,269681	4,29577	4,3407993	4,272379667	-0,06841967	0,953682093	Hhla1	
17423321	6,851321	6,94574	6,956553	6,839311	6,980318	6,728734	6,9178713	6,849454333	-0,068417	0,953683856	Pdp1	
17292732	7,144852	7,024887	7,329969	7,068037	7,184281	7,042172	7,1665693	7,098163333	-0,068406	0,953691127	Rnf44	
17235360	6,912969	6,624506	6,997764	6,728927	6,774511	6,826647	6,8450797	6,776695	-0,06838467	0,95370523	Onecut3	
17376466	6,893904	6,811089	6,928521	6,83146	6,801145	6,795794	6,877838	6,809466333	-0,06837167	0,953713823	2310035K24Rik	
17437097	5,537978	5,547925	5,677805	5,806975	5,281947	5,469682	5,5879027	5,519534667	-0,068368	0,953716247	Otop1	
17542963	3,002145	2,848781	2,851068	2,716291	2,919848	2,860778	2,9006647	2,832305667	-0,068359	0,953722197	---	
17320907	8,650902	8,707794	8,593039	8,563327	8,603104	8,580248	8,6505783	8,582226333	-0,068352	0,953726824	Slc38a1	
17235835	6,165187	6,262267	6,312901	6,167763	6,207066	6,160498	6,246785	6,178442333	-0,06834267	0,953732994	Gm8290	
17549036	3,453524	3,453524	3,488731	3,382496	3,354753	3,453524	3,4652597	3,396924333	-0,06833533	0,953737842	---	
17361589	8,431363	8,206571	8,402934	8,172245	8,357538	8,306101	8,346956	8,278628	-0,068328	0,95374269	Drap1	
17403237	6,391771	7,026964	5,575888	6,472147	6,138083	6,179423	6,331541	6,263217667	-0,06832333	0,953745775	Gbp3	
17299842	5,397194	5,040424	5,06546	5,363411	5,00561	4,929095	5,1676927	5,099372	-0,06832067	0,953747538	---	
17425888	5,5181	5,04426	4,816236	5,179429	4,795382	5,198835	5,1261987	5,057882	-0,06831667	0,953750183	Mup7	
17294368	9,223428	9,344364	9,241312	9,25416	9,184036	9,166019	9,2697013	9,201405	-0,06829633	0,953763625	Pdcd6	
17355135	4,768445	4,433134	4,598765	4,584091	4,521808	4,48963	4,6001147	4,531843	-0,06827167	0,953779932	Mc4r	
17548190	5,787776	5,392422	5,228431	5,500064	5,368906	5,334877	5,469543	5,401282333	-0,06826067	0,953787204	LOC100862073	
17204793	3,566651	4,124568	3,627631	3,338157	4,259253	3,516665	3,77295	3,704691667	-0,06825833	0,953788747	---	
17490912	4,591663	4,369731	4,580013	4,55093	4,405145	4,380587	4,5138023	4,445554	-0,06824833	0,953795358	Fut2	
17211548	5,206779	5,183346	5,194523	5,243344	5,074026	5,062536	5,1948827	5,126635333	-0,06824733	0,953796019	Khdrbs2	
17259760	4,961894	4,85098	4,823071	4,953126	4,531574	4,946509	4,8786483	4,810403	-0,06824533	0,953797342	Gm12592	
17264151	3,475111	2,831359	3,465767	3,220774	3,10678	3,239954	3,2574123	3,189169333	-0,068243	0,953798884	---	
17216563	9,210361	9,488675	9,326824	9,284137	9,240862	9,296139	9,3419533	9,273712667	-0,06824067	0,953800427	Mki67ip	
17301823	8,080901	8,01591	7,844932	7,616168	8,038109	8,082747	7,980581	7,912341333	-0,06823967	0,953801088	Gfra2	
17459153	4,978644	4,684899	4,770874	4,779455	4,809111	4,641141	4,8114723	4,743235667	-0,06823667	0,953803071	Atoh1	
17315387	10,7973	10,79385	10,62068	10,53166	10,82525	10,65028	10,737277	10,66906333	-0,06821333	0,953818498	---	
17359676	3,533649	3,292188	3,310704	3,465563	3,271542	3,194855	3,378847	3,310653333	-0,06819367	0,9538315	---	
17460665	7,780354	7,758165	7,834202	7,647857	7,750611	7,769769	7,790907	7,722745667	-0,06816133	0,953852877	Mgll	
17214983	9,526728	9,605764	9,572989	9,430555	9,55983	9,510623	9,5684937	9,500336	-0,06815767	0,953855302	Cab39	
17422832	6,2389	6,377678	6,785046	6,470386	6,368902	6,357868	6,467208	6,399052	-0,068156	0,953856404	Fam132a	
17333658	7,663088	7,673153	7,526054	7,56784	7,307166	7,782825	7,620765	7,552610333	-0,06815467	0,953857285	Gm6712 // Gm6712	
17541225	7,041826	7,252908	7,247967	7,247384	7,032488	7,058396	7,1809003	7,112756	-0,06814433	0,953864117	---	
17337375	6,918817	6,417384	6,730453	6,727154	6,600081	6,535005	6,6888847	6,620746667	-0,068138	0,953868305	Gm6034	
17430861	6,270393	6,282625	6,196046	6,165684	6,232026	6,146943	6,249688	6,181551	-0,068137	0,953868966	Sesn2	
17546402	2,795015	2,843028	2,827945	2,848	2,651187	2,762401	2,821996	2,753862667	-0,06813333	0,95387139	LOC100040054	
17349100	7,998623	8,191201	8,076257	7,901672	8,10125	8,058849	8,0886937	8,020590333	-0,06810333	0,953891225	Pik3c3	
17470457	6,927118	7,021044	6,937606	6,906542	6,998285	6,776639	6,9619227	6,893822	-0,06810067	0,953892989	Bid	
17391460	7,165126	6,508142	7,057325	7,057325	6,489531	6,979436	6,9101977	6,842097333	-0,06810033	0,953893209	---	
17472343	4,060458	4,374473	4,681642	4,300543	4,537863	4,073923	4,372191	4,304109667	-0,06808133	0,953905772	---	
17211790	9,15099	9,106275	9,122691	8,981591	9,011355	9,182774	9,126652	9,058573333	-0,06807867	0,953907535	Hs6st1	
17512891	6,052557	5,82473	6,335354	5,974855	6,072002	5,96158	6,0708803	6,002812333	-0,068068	0,953914588	LOC100861869	
17467072	4,961555	4,669169	4,859591	4,822482	4,687302	4,776354	4,830105	4,762046	-0,068059	0,953920539	Pde1c	
17373670	5,867329	5,487578	5,56044	5,743507	5,422064	5,54561	5,638449	5,570393667	-0,06805533	0,953922963	---	
17241796	3,887065	4,295222	4,546232	4,041496	4,488059	3,994832	4,2428397	4,174795667	-0,068044	0,953930457	Gm6362	
17316574	6,073842	6,007869	6,136425	6,106225	5,922629	5,98516	6,072712	6,004671333	-0,06804067	0,953932661	Ncald	
17547694	10,14161	10,24879	10,02632	10,01505	10,13508	10,06248	10,138907	10,07087	-0,06803667	0,953935306	2900097C17Rik // 2900097C17Rik	
17411489	6,627975	6,598176	6,306288	6,497485	6,448489	6,38236	6,510813	6,442778	-0,068035	0,953936408	Vmn1r2	
17381283	8,417415	8,329638	8,334388	8,420891	8,196503	8,259987	8,3604803	8,292460333	-0,06802	0,953946326	Prpf18	
17321007	6,05585	5,607031	6,000515	5,897488	5,783756	5,778115	5,8877987	5,819786333	-0,06801233	0,953951395	Rapgef3	
17272004	8,869744	8,86894	8,89992	8,727945	8,857133	8,849499	8,8795347	8,811525667	-0,068009	0,953953599	Grb2	
17401142	5,637653	5,427107	5,724141	5,496131	5,599154	5,489591	5,5963003	5,528292	-0,06800833	0,95395404	---	
17393051	6,017224	5,619549	5,861787	5,746351	5,767242	5,780966	5,8328533	5,764853	-0,06800033	0,95395933	8430427H17Rik	
17300929	10,48224	11,04838	10,83928	10,76558	10,55071	10,84961	10,789967	10,72196667	-0,068	0,953959551	---	
17315505	4,574789	4,807918	4,888678	4,295086	4,922666	4,849645	4,7571283	4,689132333	-0,067996	0,953962195	Mir196a-2	
17290455	2,869089	2,909767	3,089956	2,911104	2,831053	2,922679	2,9562707	2,888278667	-0,067992	0,95396484	---	
17255543	5,420702	5,40174	5,42575	5,17102	5,397886	5,475539	5,416064	5,348148333	-0,06791567	0,954015316	Gm53	
17447440	4,801297	4,773486	4,76239	4,850847	4,667624	4,614969	4,7790577	4,711146667	-0,067911	0,954018402	2210406O10Rik	
17426956	8,238108	8,170854	8,214384	8,11982	8,095832	8,203983	8,207782	8,139878333	-0,06790367	0,954023252	Haus6	
17300802	7,454096	7,377663	7,120299	7,185141	7,278372	7,284859	7,3173527	7,249457333	-0,06789533	0,954028762	Parp4	
17487796	8,873658	8,878592	8,814258	8,706988	8,815194	8,840647	8,8555027	8,787609667	-0,067893	0,954030305	Rabac1	
17325234	6,612206	6,166319	6,218277	6,279812	6,234639	6,278725	6,3322673	6,264392	-0,06787533	0,954041988	Sema5b	
17204217	2,816842	4,235261	3,823958	3,512218	3,8037	3,356535	3,6253537	3,557484333	-0,06786933	0,954045956	---	
17386697	3,583833	3,546047	3,672362	3,583404	3,378446	3,636785	3,6007473	3,532878333	-0,067869	0,954046176	---	
17398634	8,610062	8,660535	8,611816	8,496434	8,594088	8,588343	8,627471	8,559621667	-0,06784933	0,954059182	Sh3d19	
17365145	5,217279	5,635444	5,546038	5,417002	5,388321	5,38989	5,4662537	5,398404333	-0,06784933	0,954059182	---	
17296912	3,788273	3,56612	2,85231	3,12508	3,520103	3,358024	3,4022343	3,334402333	-0,067832	0,954070644	---	
17221660	2,858603	2,903003	2,845471	2,897202	2,69938	2,807	2,8690257	2,801194	-0,06783167	0,954070865	---	
17518780	5,597073	5,545523	5,630011	5,468338	5,569263	5,531512	5,590869	5,523037667	-0,06783133	0,954071085	Car12	
17342359	6,359288	6,336315	6,350896	6,264216	6,352279	6,226518	6,348833	6,281004333	-0,06782867	0,954072849	Haghl	
17422785	6,238421	6,302896	6,284646	6,304132	5,97289	6,345456	6,275321	6,207492667	-0,06782833	0,954073069	Acap3	
17207549	5,624026	4,275125	5,610261	4,63119	5,199849	5,4749	5,169804	5,101979667	-0,06782433	0,954075714	---	
17271203	4,493176	4,72545	4,614151	4,536094	4,488059	4,605156	4,6109257	4,543103	-0,06782267	0,954076817	E030025P04Rik	
17247849	6,067001	5,677581	5,837444	5,608731	5,902615	5,867215	5,8606753	5,792853667	-0,06782167	0,954077478	---	
17329163	4,800671	4,919569	5,479149	5,091209	4,891719	5,013027	5,066463	4,998651667	-0,06781133	0,954084312	Camk2n2	
17366902	4,109785	4,359433	4,565104	4,26122	4,319641	4,250095	4,344774	4,276985333	-0,06778867	0,954099302	Mir669c // Mir669c	
17504327	5,882859	6,054764	6,233461	5,872054	6,051694	6,043971	6,057028	5,989239667	-0,06778833	0,954099522	Ndrg4	
17505034	9,04045	9,087677	9,013813	8,986475	9,003256	8,94885	9,0473133	8,979527	-0,06778633	0,954100845	Nfatc3	
17290259	5,581737	5,517973	5,407124	5,46685	5,453907	5,382753	5,502278	5,434503333	-0,06777467	0,95410856	Ucn3	
17495135	11,71306	11,72307	11,62661	11,57677	11,65354	11,62914	11,68758	11,61981667	-0,06776333	0,954116056	Eif4g2	
17200679	2,642338	3,185313	3,445572	2,907428	3,128537	3,034034	3,0910743	3,023333	-0,06774133	0,954130605	---	
17457116	4,125901	3,901036	3,916503	4,029314	3,921925	3,789013	3,9811467	3,913417333	-0,06772933	0,954138541	---	
17535390	7,215916	7,294024	7,185231	7,189637	7,209304	7,093055	7,2317237	7,163998667	-0,067725	0,954141407	Prrg3	
17489905	6,821352	6,996702	6,919836	7,007868	6,945233	6,581626	6,91263	6,844909	-0,067721	0,954144053	Plekhf1	
17275047	6,014576	5,83296	5,966955	5,877401	5,87715	5,856782	5,9381637	5,870444333	-0,06771933	0,954145155	Ispd	
17248654	5,488785	5,49106	5,446995	5,541267	5,38833	5,294136	5,4756133	5,407911	-0,06770233	0,954156398	Il12b	
17370745	8,784149	8,974072	8,749482	8,694351	8,849728	8,760628	8,835901	8,768235667	-0,06766533	0,954180869	Rif1	
17548624	4,783309	4,771124	5,230582	4,904248	4,738103	4,93972	4,9283383	4,860690333	-0,067648	0,954192333	LOC100861900	
17546040	9,296341	9,217446	9,185472	9,094714	9,161863	9,239773	9,2330863	9,16545	-0,06763633	0,95420005	Rab9	
17427104	3,7805	4,111892	3,99675	4,169641	3,534722	3,981918	3,9630473	3,895427	-0,06762033	0,954210632	Ifnab	
17349554	10,3307	10,39938	10,38337	10,27765	10,31968	10,31329	10,37115	10,30354	-0,06761	0,954217467	Matr3	
17405843	3,145757	3,252662	3,329358	3,143558	3,31784	3,063571	3,2425923	3,174989667	-0,06760267	0,954222317	---	
17407412	5,443954	5,268869	6,643718	6,075639	5,475957	5,602183	5,7855137	5,717926333	-0,06758733	0,954232459	Sprr1a	
17483740	7,45675	7,239532	7,335276	7,371186	7,365858	7,091753	7,3438527	7,276265667	-0,067587	0,954232679	Inpp5f	
17206361	3,686794	3,328966	3,606632	3,614747	3,66184	3,143098	3,5407973	3,473228333	-0,067569	0,954244585	---	
17411848	4,536817	4,442068	4,695699	4,325871	4,624329	4,521748	4,5581947	4,490649333	-0,06754533	0,954260239	Cdh17	
17425018	6,872157	6,89508	7,018261	6,685269	6,984787	6,91282	6,9284993	6,860958667	-0,06754067	0,954263326	5830415F09Rik	
17478175	7,007344	6,685728	6,928794	6,829918	6,996261	6,593071	6,8739553	6,806416667	-0,06753867	0,954264649	Myod1	
17358009	9,747559	9,518683	9,496607	9,261878	9,678721	9,619667	9,5876163	9,520088667	-0,06752767	0,954271925	---	
17414250	7,759094	7,921738	7,649772	7,603383	7,766701	7,757942	7,776868	7,709342	-0,067526	0,954273027	Tmem38b	
17503932	5,143064	5,220249	5,298281	5,187625	5,092344	5,179066	5,2205313	5,153011667	-0,06751967	0,954277216	Mt3	
17376026	8,296643	8,442809	8,297336	8,294582	8,240681	8,299044	8,345596	8,278102333	-0,06749367	0,954294414	Tmem87b	
17386421	5,881642	6,2249	6,165087	6,05877	6,046733	5,963646	6,090543	6,023049667	-0,06749333	0,954296435	Hat1 // Hat1	
17299995	4,463727	4,55413	4,47649	4,526806	4,547801	4,217302	4,4981157	4,430636333	-0,06747933	0,954303895	---	
17206147	4,809493	3,550944	3,819642	4,232243	3,896827	3,848609	4,0600263	3,992559667	-0,06746667	0,954312274	---	
17391054	3,624161	3,698986	3,608341	3,581797	3,70696	3,440352	3,6438293	3,576369667	-0,06745967	0,954316904	---	
17503442	2,711085	2,855158	2,944967	2,846699	2,822895	2,639274	2,83707	2,769622667	-0,06744733	0,954325063	---	
17500168	5,079211	5,033401	5,082219	5,130712	4,831392	5,030393	5,0649437	4,997499	-0,06744467	0,954326827	---	
17207381	7,329618	7,441741	7,011065	7,472396	6,98165	7,126069	7,260808	7,193371667	-0,06743633	0,954332339	---	
17226736	8,699838	8,878913	8,60844	8,62384	8,714125	8,646947	8,7290637	8,661637333	-0,06742633	0,954338954	Mapkapk2	
17340382	4,354521	4,217134	4,289918	4,081365	4,405272	4,172659	4,287191	4,219765333	-0,06742567	0,954339395	Gm4719	
17444609	6,085596	5,811121	5,897055	6,024795	5,730978	5,835743	5,9312573	5,863838667	-0,06741867	0,954344026	Pdap1	
17519357	8,833889	8,936163	8,866143	8,981965	8,616538	8,835469	8,8787317	8,811324	-0,06740767	0,954351302	Onecut1	
17455602	3,717719	3,86937	3,874004	3,85809	3,645321	3,755475	3,8203643	3,752962	-0,06740233	0,95435483	Vmn2r18	
17353488	8,458791	8,77018	8,416183	8,408192	8,47426	8,560499	8,5483847	8,480983667	-0,067401	0,954355712	Cdc23	
17503572	8,094582	8,263983	8,030039	7,998588	8,166489	8,021341	8,1295347	8,062139333	-0,06739533	0,954359461	Heatr3	
17372679	9,119537	9,191387	9,269243	9,045303	9,195179	9,137547	9,193389	9,126009667	-0,06737933	0,954370045	Ssrp1	
17515703	4,986329	4,87187	5,211744	4,924055	5,072782	4,87102	5,0233143	4,955952333	-0,067362	0,954381511	Adamts8	
17316392	12,0121	11,87646	11,65517	11,73173	11,70916	11,90076	11,84791	11,78055	-0,06736	0,954382834	Hrsp12	
17301556	3,360035	2,98955	3,160706	3,153102	3,094266	3,060853	3,170097	3,102740333	-0,06735667	0,95438504	---	
17468113	7,17019	7,143502	7,156102	6,944368	7,14504	7,178321	7,156598	7,089243	-0,067355	0,954386142	Ino80b	
17536218	2,907044	2,879339	3,09844	2,87865	2,954707	2,849414	2,9616077	2,894257	-0,06735067	0,954389009	Mageb2	
17392959	5,515845	5,565237	5,702267	5,38564	5,728083	5,467603	5,5944497	5,527108667	-0,067341	0,954395404	Defb29	
17276732	10,23235	10,44199	10,16303	10,10596	10,21743	10,31196	10,279123	10,21178333	-0,06734	0,954396065	Eif2s1	
17294167	7,722154	8,114734	7,842323	7,693701	7,902177	7,881322	7,8930703	7,825733333	-0,067337	0,95439805	BC018507	
17317381	4,924417	4,728295	4,997569	4,827296	4,678155	4,942825	4,883427	4,816092	-0,067335	0,954399373	Gm19510	

17322939	5,974602	6,170515	5,96116	5,916479	6,048852	5,938946	6,0354257	5,968092333	-0,06733333	0,954400475	2610020C07Rik
17470095	5,234094	4,915093	5,396434	5,226689	5,254399	4,862537	5,1818737	5,114541667	-0,067332	0,954401357	Fxyd4
17285631	4,813272	4,856062	4,622535	4,787444	4,590392	4,712043	4,7639563	4,696626333	-0,06733	0,95440268	Gpx6
17497010	4,783499	4,603843	4,685006	4,589496	4,587278	4,693606	4,6907827	4,62346	-0,06732267	0,954407532	4933402N03Rik
17525947	6,04521	5,859921	5,902277	5,786962	5,987593	5,830901	5,9358027	5,868485333	-0,06731733	0,95441106	4930546K05Rik
17539748	6,807321	6,351634	6,713749	6,630759	6,328681	6,711326	6,6242347	6,556922	-0,06731267	0,954414147	Gm14354
17285731	4,556864	4,553286	4,673446	4,56214	4,442845	4,576681	4,594532	4,527222	-0,06731	0,954415911	---
17335878	7,071008	7,302178	7,130061	7,104374	7,153678	7,0433	7,167749	7,100450667	-0,06729833	0,95442363	Pknox1
17417660	6,554404	6,541908	6,682435	6,397125	6,601469	6,578264	6,5929157	6,525619333	-0,06729633	0,954424953	Tmem53
17326731	4,600151	4,311434	4,34688	4,249538	4,452452	4,354623	4,4194883	4,352204333	-0,067284	0,954433112	4930570E03Rik
17524752	8,645875	8,669166	8,834509	8,566401	8,69844	8,682869	8,7165167	8,649236667	-0,06728	0,954435758	Spc24
17524357	3,457271	2,939525	3,304243	3,288684	2,986304	3,224221	3,2336797	3,166403	-0,06727667	0,954437963	Olfr870
17275925	9,63893	9,765084	9,67977	9,636737	9,627975	9,617252	9,6945947	9,627321333	-0,06727333	0,954440169	Arf6
17258023	8,435448	8,572086	8,486799	8,438148	8,435279	8,419088	8,498111	8,430838333	-0,06727267	0,95444061	Ttyh2
17495187	2,961225	3,142722	3,145909	3,130876	2,873478	3,043704	3,0832853	3,016019333	-0,067266	0,95444502	---
17548108	7,909175	7,82655	7,757566	7,685266	7,907759	7,698503	7,831097	7,763842667	-0,06725433	0,954452738	Nutf2 // Nutf2
17548696	7,909175	7,82655	7,757566	7,685266	7,907759	7,698503	7,831097	7,763842667	-0,06725433	0,954452738	Nutf2 // Nutf2
17427729	10,65834	10,62733	10,53479	10,42864	10,6176	10,57246	10,60682	10,53956667	-0,06725333	0,9544534	C8a
17314011	7,950623	7,662743	7,670414	7,702577	7,653338	7,726139	7,76126	7,694018	-0,067242	0,954460898	Pim3
17267446	5,957206	6,134285	6,100578	6,126373	5,977987	5,885997	6,064023	5,996785667	-0,06723733	0,954463985	1200011M11Rik
17411065	4,764608	4,592782	4,718769	4,66646	4,615998	4,592015	4,692053	4,624824333	-0,06722867	0,954469719	4930503B20Rik
17379003	3,397786	3,694059	3,771925	3,696604	3,531966	3,43353	3,6212567	3,554033333	-0,06722333	0,954473248	9130015L21Rik
17279026	6,473612	6,785634	6,562535	6,47838	6,539206	6,602543	6,6072603	6,540043	-0,06721733	0,954477217	Tecpr2
17289728	7,486939	7,600244	7,659056	7,392504	7,510295	7,641828	7,5820797	7,514875667	-0,067204	0,954486038	Depdc1b
17491777	3,652625	3,6898	3,81506	3,66772	3,570212	3,717958	3,7191617	3,651963333	-0,06719833	0,954489787	4930554H23Rik
17533780	6,69658	6,737436	6,200537	6,502846	6,554471	6,375643	6,544851	6,477653333	-0,06719767	0,954490228	Wdr44
17340485	8,49876	8,600539	8,473394	8,496196	8,424461	8,450529	8,524231	8,457062	-0,067169	0,954509195	Tmem242
17226420	11,43242	11,39285	11,32447	11,27544	11,33334	11,33946	11,383247	11,31608	-0,06716667	0,954510738	Actr3
17219339	6,816936	7,036093	6,806116	6,807511	6,855717	6,794432	6,8863817	6,81922	-0,06716167	0,954514046	Usf1
17406892	5,38086	5,16793	5,680278	5,415397	5,278958	5,333235	5,4096893	5,34253	-0,06715933	0,95451559	Rusc1
17324396	9,998981	10,15232	10,18724	10,06958	10,08237	9,985114	10,112847	10,045688	-0,067159	0,954515811	Eif4a2
17335616	10,08283	10,04361	10,0475	9,877045	10,04813	10,04729	10,05798	9,990821667	-0,06715833	0,954516252	Zfand3
17355159	5,841607	5,705935	5,614634	5,542528	5,748085	5,670106	5,7207253	5,653573	-0,06715233	0,954520222	B430212C06Rik
17347650	9,572701	9,516193	9,519327	9,530331	9,282489	9,593964	9,5360737	9,468928	-0,06714567	0,954524632	Haao
17420866	4,713696	4,630108	4,680429	4,495248	4,615467	4,712145	4,6747443	4,60762	-0,06712433	0,954538747	Padi1 // Padi1
17201043	8,32851	8,46191	8,621614	8,07187	8,428666	8,710151	8,470678	8,403562333	-0,06711567	0,954544481	---
17367644	4,206282	3,820054	3,66569	3,920327	3,775265	3,795113	3,897342	3,830235	-0,067107	0,954550216	Il1f8
17396162	12,87291	12,87682	12,91054	12,71021	12,85219	12,89657	12,886757	12,81965667	-0,0671	0,954554847	Car2
17438324	9,742532	9,670483	9,621883	9,44907	9,704535	9,680075	9,6782993	9,611226667	-0,06707267	0,954572932	---
17471968	3,307872	3,244996	3,220204	3,14558	3,288862	3,137442	3,2576907	3,190628	-0,06706267	0,954579549	Tas2r103
17525727	3,418048	3,298514	3,380156	3,319603	3,320524	3,255409	3,3655727	3,298512	-0,06706067	0,954580872	Olfr952
17480568	9,400043	9,458258	9,534067	9,425756	9,357621	9,407855	9,4641227	9,397077333	-0,06704533	0,954591018	Arrb1
17327757	7,77472	7,86692	7,837821	7,672578	7,808985	7,796846	7,826487	7,759469667	-0,06701733	0,954609545	Pam16
17464786	4,870314	4,538341	4,680304	4,989985	4,380093	4,517873	4,6963197	4,629317	-0,06700267	0,95461925	---
17314666	5,438254	5,587588	5,756046	5,593135	5,474888	5,512883	5,5939627	5,526968667	-0,066994	0,954624984	Wnt1
17211243	9,485242	9,703671	9,527376	9,455704	9,548724	9,510897	9,5720963	9,505108333	-0,066988	0,954628954	Terf1
17543916	5,410827	5,509867	5,424429	5,41944	5,281736	5,443081	5,4483743	5,381419	-0,06695533	0,95465057	E530001F21Rik
17437488	3,085682	3,182964	3,050698	3,062479	2,993231	3,062822	3,106448	3,039510667	-0,06693733	0,954662481	---
17202887	4,115928	3,905092	3,81662	3,909475	3,967858	3,759499	3,94588	3,878944	-0,066936	0,954663363	---
17270567	9,272883	9,120204	9,149742	9,19902	9,061729	9,081281	9,180943	9,11401	-0,066933	0,954665349	Gosr2
17200065	3,624248	3,252404	3,522824	3,30666	3,755509	3,136509	3,466492	3,399559333	-0,06693267	0,954665569	---
17497811	7,207717	6,687469	7,245614	7,250498	6,970191	6,71932	7,0469333	6,980003	-0,06693033	0,954667113	Mir210
17547990	7,027775	7,314385	7,217492	7,079738	7,157232	7,121899	7,1865507	7,119623	-0,06692767	0,954668878	Mrps18c
17344933	4,964137	4,929368	5,122765	4,985866	4,773518	5,056139	5,0054233	4,938507667	-0,06691567	0,954676819	Gm20581
17546614	5,382493	5,985389	6,272864	5,715476	6,059579	5,664977	5,8802487	5,813344	-0,06690467	0,954684098	LOC100504515
17539586	5,756787	6,085704	5,776695	5,677525	5,675104	6,065881	5,873062	5,80617	-0,066892	0,95469248	Fancb
17317398	4,437333	4,303148	4,447667	4,256968	4,483884	4,246706	4,3960493	4,329186	-0,06686333	0,95471145	A1bg
17348451	9,343805	9,105508	9,282724	8,982972	9,256893	9,291595	9,2440123	9,177153333	-0,066859	0,954714317	---
17318670	6,382098	6,324755	6,517004	6,174817	6,414196	6,434293	6,4079523	6,341102	-0,06685033	0,954720053	Recql4
17341029	5,276218	5,217376	5,561388	5,419899	5,434036	5,000573	5,3516607	5,284836	-0,06682467	0,954737038	2700054A10Rik
17305034	5,301517	5,243211	4,979278	5,276782	4,910458	5,136298	5,1746687	5,107846	-0,06682267	0,954738362	Sncg
17353619	7,379703	7,110065	7,159566	6,984617	7,138488	7,325849	7,2164447	7,149651333	-0,06679333	0,954757774	2010001M09Rik
17202861	3,781079	4,747941	3,709624	4,500054	4,04095	3,497279	4,079548	4,012761	-0,066787	0,954761965	---
17441425	5,493896	4,985994	5,284982	5,507706	5,131178	4,925651	5,2549573	5,188178333	-0,066779	0,954767259	---
17508779	5,191554	5,005747	5,31038	4,962245	5,161107	5,184028	5,169227	5,10246	-0,066767	0,954775201	Cldn23
17246055	3,242587	3,332301	3,35101	3,197727	3,364913	3,162983	3,3086327	3,241874333	-0,06675833	0,954780937	---
17529645	3,713346	3,588177	3,827776	3,444169	3,849677	3,635194	3,7097663	3,643013333	-0,066753	0,954784466	Mir184
17254532	6,651397	6,39677	6,558346	6,339756	6,663275	6,403294	6,5355043	6,468775	-0,06672933	0,954800129	D630032N06Rik
17286882	8,106953	8,145822	8,060095	7,955014	8,104966	8,052718	8,10429	8,037566	-0,066724	0,954803659	Nol7
17530105	3,384561	3,650739	3,562427	3,48301	3,37885	3,535728	3,5325757	3,465862667	-0,066713	0,954810939	---
17534222	3,223535	3,189692	3,585752	3,220575	3,309126	3,269158	3,332993	3,266286333	-0,06670667	0,95481513	Rhox3c
17481725	8,664501	8,863033	8,878692	8,693268	8,79086	8,721999	8,8020753	8,735375667	-0,06669967	0,954819763	Zfp143
17388794	4,407063	4,21515	4,193041	4,228871	4,265461	4,120827	4,2717513	4,205053	-0,06669833	0,954820646	A930006I01Rik
17208179	5,840258	4,941801	5,732874	5,641931	5,188287	5,484643	5,5049777	5,438287	-0,06669067	0,95482572	---
17341702	10,74692	10,54326	10,5204	10,42393	10,58976	10,59682	10,603527	10,53683667	-0,06669	0,954826161	---
17265268	7,404078	7,474618	7,422691	7,641855	7,160424	7,299053	7,4337957	7,367110667	-0,066685	0,95482947	Cxcl16
17508861	5,313347	5,101904	5,336793	5,316163	4,93957	5,296347	5,2506813	5,184026667	-0,06665467	0,954849546	Fgf20
17486025	3,947477	3,95429	3,848616	3,809612	3,730604	4,010218	3,9167943	3,850144667	-0,06664967	0,954852855	Nlrp2
17242516	8,25134	7,957252	7,816339	8,174723	7,800378	7,849883	8,0083103	7,941661333	-0,066649	0,954853297	Pdxk
17229348	4,270723	3,920444	4,06988	4,014833	4,129571	3,916739	4,0870157	4,020381	-0,06663467	0,954862783	Gm4846
17381657	9,383776	9,376644	9,305739	9,111292	9,354412	9,400577	9,3553863	9,288760333	-0,066626	0,954868519	Rbm17
17280932	3,187707	3,264676	3,121016	3,109744	3,118268	3,145559	3,191133	3,124523667	-0,06660933	0,95487955	---
17443613	9,736468	9,808915	9,582497	9,515481	9,695278	9,717328	9,7092933	9,642695667	-0,06659767	0,954887272	Tfr2
17210055	3,51463	3,499199	3,349753	3,202816	4,063318	2,897665	3,4545273	3,387933	-0,06659433	0,954889479	---
17209861	6,346261	6,503231	6,369547	6,487885	5,986068	6,545374	6,4063463	6,339775667	-0,06657067	0,954905143	---
17469463	9,77294	9,529037	9,58375	9,595367	9,539352	9,551315	9,6285757	9,562011333	-0,06656433	0,954909335	Rybp
17315447	11,96682	11,80959	11,90184	11,8277	11,78865	11,86231	11,89275	11,82622	-0,06653	0,95493206	Pcbp2
17407594	7,792832	8,024867	7,916009	7,789132	7,771519	7,973472	7,911236	7,844707667	-0,06652833	0,954933164	Cgn
17530115	4,962741	4,849471	4,844337	4,787017	4,836895	4,833062	4,8855163	4,818991333	-0,066525	0,95493537	Il20rb
17327862	5,596196	5,409484	5,559299	5,264697	5,792963	5,307746	5,5216597	5,455135333	-0,06652433	0,954935811	Sept12
17412092	10,45865	10,22544	10,00138	10,05138	10,17849	10,25604	10,22849	10,16197	-0,06652	0,95493868	Ttpa
17375373	12,99749	12,98961	12,79099	12,877	12,81972	12,88182	12,92603	12,85951333	-0,06651667	0,954940886	B2m
17394063	5,981633	6,127732	6,070238	6,077537	5,928265	5,974267	6,0598677	5,993356333	-0,06651133	0,954944416	Ada
17394126	4,111572	4,032043	3,889484	3,902915	4,087408	3,843257	4,011033	3,944526667	-0,06650633	0,954947726	Wfdc15b
17365343	6,816196	6,58092	6,707152	6,834505	6,426497	6,643801	6,7014227	6,634934333	-0,06648833	0,95495964	4833438C02Rik
17282970	5,825815	5,134756	5,493054	5,529693	5,334096	5,390418	5,4845417	5,418069	-0,06647267	0,954970011	Dio2
17542349	7,554519	7,52083	7,521904	7,338582	7,555388	7,503928	7,5324177	7,465966	-0,06645167	0,954983911	Haus7
17228375	8,748802	8,748238	8,805723	8,726171	8,619211	8,758106	8,7675877	8,701162667	-0,066425	0,955001563	Xpr1
17486982	8,252034	8,324239	8,264545	8,159535	8,385481	8,096557	8,2802727	8,213857667	-0,066415	0,955008183	Ppp5c
17515395	6,004008	6,266404	6,412873	6,017504	6,301663	6,164896	6,2277617	6,161354333	-0,06640733	0,955013258	Gm16845
17242700	5,367958	5,066739	5,258452	5,433167	5,098892	4,961912	5,2310497	5,164657	-0,06639267	0,955022967	---
17452871	3,308578	3,313545	3,02922	3,05284	3,228778	3,170564	3,2171143	3,150727333	-0,066387	0,955026718	---
17202599	5,222941	4,877682	5,072078	5,224174	4,921087	4,828284	5,057567	4,991181667	-0,06638533	0,955027821	---
17406460	6,218964	6,286757	6,1376	6,19378	5,969748	6,280659	6,2144403	6,148062333	-0,066378	0,955032676	Dclk2
17219481	8,223302	9,017333	8,580027	8,45336	8,734219	8,434024	8,6068873	8,540534333	-0,066353	0,955049225	---
17319823	7,196042	7,189734	7,125865	7,000357	7,204735	7,1075	7,170547	7,104197333	-0,06634967	0,955051432	1700001L05Rik
17472073	5,051723	4,840227	4,987733	4,896959	4,881905	4,901796	4,9598943	4,893553333	-0,066341	0,955057169	Gsg1
17258887	6,789877	7,053341	6,864344	6,808464	6,863999	6,836098	6,9025207	6,836187	-0,06633367	0,955062024	Pgs1
17338536	4,852098	5,044536	4,72205	4,833511	4,805095	4,781149	4,8728947	4,806585	-0,06630967	0,955077912	Gm20098
17412871	7,696747	7,828036	7,582073	7,597701	7,632258	7,678013	7,7022853	7,635990667	-0,06629467	0,955087842	Nudt2
17284049	6,578295	6,489429	6,684114	6,486209	6,557471	6,509276	6,583946	6,517652	-0,066294	0,955088284	Ankrd9
17502554	6,377381	6,456124	6,594241	6,401995	6,366099	6,460918	6,4759153	6,409670667	-0,06624467	0,955120944	Tom1
17460393	8,058226	8,169149	8,056787	8,062022	8,027727	8,195685	8,1613873	8,095144667	-0,06624267	0,955122268	Fam136a
17455682	5,749166	5,25897	5,340168	5,430166	5,313332	5,406108	5,4494347	5,383202	-0,06623267	0,955128888	C87414 // C87414
17409386	8,897717	8,838089	8,94079	8,793276	8,812944	8,871679	8,8921987	8,825966333	-0,06623233	0,955129109	Gpsm2
17203419	7,109458	6,717782	7,328193	7,089265	6,84501	7,022501	7,051811	6,985592	-0,066219	0,955137936	---
17438155	4,905056	5,142456	4,994266	4,803385	5,094085	4,945677	5,013926	4,947715667	-0,06621033	0,955143674	Spata18
17481326	4,419802	3,761323	4,036649	3,976917	3,944485	4,097857	4,0725913	4,006419667	-0,06617167	0,955169274	Olfr657
17371148	3,969714	3,879238	3,942823	4,048132	3,575601	3,969531	3,9305917	3,864421333	-0,06617033	0,955170157	Tbr1
17246967	10,54761	10,70416	10,6452	10,49684	10,6065	10,59514	10,632323	10,56616	-0,06616333	0,955174791	Xbp1
17286340	4,802604	4,451968	4,781224	4,428501	4,642158	4,766704	4,6785987	4,612454333	-0,06614433	0,955187371	Foxc1
17447147	7,741961	7,821985	7,559243	7,556333	7,723279	7,645161	7,7077297	7,641591	-0,06613867	0,955191122	---
17354599	6,309098	5,836825	6,309676	6,115452	6,089517	6,052218	6,1518663	6,085729	-0,06613733	0,955192005	Myoz3
17353167	3,267899	3,448755	3,473546	3,205947	3,421059	3,364802	3,3967333	3,330602667	-0,06613067	0,955196419	---
17281490	6,925155	6,939505	6,910644	6,816082	6,952157	6,808679	6,9251013	6,858972667	-0,06612867	0,955197743	Rpl36al // Rpl36a
17499579	4,572511	4,529085	4,488325	4,089321	4,769393	4,532839	4,5299737	4,463851	-0,06612267	0,955201716	Spag11b
17291780	5,689095	5,576762	5,683206	5,561837	5,560064	5,628802	5,6496877	5,583567667	-0,06612	0,955203481	Tubb2b
17262736	4,78948	4,271027	4,599267	4,427517	4,561763	4,472188	4,553258	4,487156	-0,066102	0,955215399	---
17401790	4,797059	4,683981	4,942716	4,801657	4,63115	4,79266	4,8079187	4,741822333	-0,06609633	0,955219151	Aknad1
17384619	5,517546	5,607129	5,121725	5,252398	5,478908	5,316846	5,4154667	5,349384	-0,06608267	0,9552282	Snord90
17486240	5,430391	4,749411	4,898741	5,086047	4,944471	4,849798	5,026181	4,960105333	-0,06607567	0,955232835	Vmn2r35
17548018	7,788002	7,874383	7,595324	7,5422	7,879488	7,637805	7,7525697	7,686497667	-0,066072	0,955235263	Lnpep
17475777	8,777601	8,928561	8,885763	8,77179	8,831368	8,790587	8,863975	8,797915	-0,06606	0,955243208	Fbl
17363237	7,217933	7,315258	7,184105	7,122718	7,178093	7,218353	7,2390987	7,173054667	-0,066044	0,955253802	Pebp1

17448614	6,488768	6,329042	6,62016	6,511955	6,356226	6,371667	6,4793233	6,413282667	-0,06604067	0,955256009	Corin	
17421233	2,925418	3,086918	3,269748	3,164224	3,002264	2,917481	3,094028	3,027989667	-0,06603833	0,955257554	Gm13023	
17550514	4,988485	4,583713	4,567438	4,959272	4,658064	4,324193	4,713212	4,647176333	-0,06603567	0,95525932	---	
17331692	7,038525	6,932959	6,843007	7,087369	6,672402	6,856658	6,9381637	6,872143	-0,06602067	0,955269252	Cyyr1	
17229981	3,735108	4,203269	4,439939	3,670686	3,98419	4,525401	4,1261053	4,060092333	-0,066013	0,955274328	Gm11062	
17463801	4,344315	4,155715	4,281684	4,327132	4,077466	4,179147	4,2605713	4,194581667	-0,06598967	0,955289779	Grin2b	
17289787	10,68506	10,94082	10,94423	10,76803	10,803	10,80113	10,856703	10,79072	-0,06598333	0,955293972	Rps3a	
17519568	4,351198	4,361206	4,342792	4,077862	4,417814	4,361631	4,351732	4,285769	-0,065963	0,955307436	---	
17264153	4,512235	4,321487	4,74083	4,37712	4,351126	4,64845	4,5248507	4,458898667	-0,065952	0,95531472	---	
17334253	9,623726	9,578705	9,596099	9,540134	9,481799	9,578772	9,59951	9,533568333	-0,06594167	0,955321563	Eci1	
17505740	5,715306	5,628014	5,439255	5,456247	5,611656	5,516868	5,5941917	5,528257	-0,06593467	0,955326198	---	
17484233	7,246377	7,370452	7,112775	7,173115	7,06625	7,292478	7,2432013	7,177281	-0,06592033	0,955335689	Ptpre	
17537889	11,15897	11,0769	10,95967	10,9345	11,05416	11,00912	11,06518	10,99926	-0,06592	0,95533591	Wbp5	
17421164	4,928439	4,663244	4,77344	4,900691	4,579698	4,686977	4,7883743	4,722455333	-0,065919	0,955336572	---	
17449820	6,46382	6,928638	6,452875	6,458311	6,723006	6,466273	6,615111	6,549196667	-0,06591433	0,955339662	Gm16427	
17520903	3,774706	4,141812	4,430154	3,802768	4,139544	4,206688	4,1155573	4,049666667	-0,06589067	0,955355334	---	
17515402	5,452583	5,774864	6,852679	5,842768	5,846085	6,193632	6,0267087	5,960828333	-0,06588033	0,955362177	Cnn1	
17491497	4,787724	4,65983	4,644721	4,647305	4,678694	4,568637	4,697425	4,631545333	-0,06587967	0,955362619	C230091D08Rik	
17219148	5,008236	4,894743	4,981537	4,995757	4,917193	4,773938	4,9615053	4,895629333	-0,065876	0,955365047	1700084C01Rik	
17210185	4,891103	4,400154	5,165907	4,67197	4,523493	5,064088	4,8190547	4,753183667	-0,065871	0,955368358	---	
17262491	6,90606	6,786755	6,839719	6,776503	6,869409	6,689022	6,844178	6,778311333	-0,06586667	0,955371227	Rmnd5b	
17317313	8,787974	8,853561	8,630886	8,654119	8,712696	8,70801	8,7574737	8,691608333	-0,06586533	0,95537211	Tatdn1	
17443350	7,284752	7,591516	7,515649	7,354286	7,404812	7,435284	7,4639723	7,398127333	-0,065845	0,955385575	Ywhag // Ywhag	
17290922	8,115085	8,337976	8,342791	8,368845	7,989475	8,240011	8,265284	8,199443667	-0,06584033	0,955388666	---	
17374089	9,668633	9,532165	9,462935	9,490157	9,480392	9,495665	9,5545777	9,488738	-0,06583967	0,955389107	Lin7c	
17548518	12,34812	12,29613	12,28059	12,17885	12,25465	12,29383	12,30828	12,24244333	-0,06583667	0,955391094	H3f3a // H3f3a	
17203291	3,044534	3,957565	3,32099	3,53535	3,530834	3,059452	3,4410297	3,375212	-0,06581767	0,955403676	---	
17337614	5,262766	5,128492	5,225122	5,209749	5,290215	4,918987	5,20546	5,139650333	-0,06580967	0,955408974	Olfr127	
17293397	4,389104	4,424331	4,426879	4,180053	4,492756	4,370086	4,413438	4,347631667	-0,06580633	0,955411182	Ctsr	
17525395	5,188311	5,136965	5,243209	4,978914	5,136026	5,25615	5,189495	5,123696667	-0,06579833	0,95541648	Gm1113	
17337427	3,800463	3,698723	3,586329	3,576596	3,656914	3,654649	3,6951717	3,629386333	-0,06578533	0,955425089	H2-M10.5	
17486543	6,307782	5,84948	6,411907	6,073668	6,200727	6,097467	6,189723	6,123954	-0,065769	0,955435906	Vmn2r54	
17376974	5,019206	4,975293	5,067528	4,806548	5,041136	5,017062	5,0206757	4,954915333	-0,06576033	0,955441645	---	
17201563	5,381852	5,253304	4,828957	4,790074	5,612798	4,864006	5,1547043	5,088959333	-0,065745	0,9554518	---	
17433023	4,663926	4,907187	4,908457	4,82889	4,669223	4,784224	4,8265233	4,760779	-0,06574433	0,955452241	Cort	
17500824	7,968674	7,755423	7,997664	8,041975	7,641661	7,840905	7,9072537	7,841513667	-0,06574	0,955455111	---	
17275232	3,255756	3,208918	3,261177	3,04402	3,366021	3,118617	3,2419503	3,176219333	-0,065731	0,955461072	---	
17298608	6,609367	6,394991	6,688656	6,417177	6,648006	6,430732	6,564338	6,498638333	-0,06569967	0,955481823	Prrxl1	
17548153	9,086426	9,215095	9,248173	9,041095	9,046644	9,264868	9,1832313	9,117535667	-0,06569567	0,955484472	LOC100862111	
17506546	6,39911	6,409413	6,51053	6,36654	6,188042	6,567386	6,4396843	6,373989333	-0,065695	0,955484914	4732415M23Rik	
17286454	3,872076	4,00418	4,208372	3,797479	4,066104	4,02396	4,0282093	3,962514333	-0,065695	0,955484914	1110046J04Rik	
17527996	5,664196	5,647026	5,791322	5,802405	5,722968	5,380087	5,700848	5,635153333	-0,06569467	0,955485135	Coro2b	
17537576	3,73197	3,444837	3,691632	3,627214	3,467799	3,576347	3,622813	3,55712	-0,065693	0,955486239	---	
17455627	5,276218	4,752242	5,035496	5,055468	4,992344	4,81912	5,02131187	4,955644	-0,06567467	0,955498381	BC061212 // Gm7978 // BC061212 // Gr	
17359578	4,713924	4,794018	4,846178	4,846178	4,713181	4,597743	4,7847067	4,719034	-0,06567267	0,955499705	---	
17476902	5,696947	4,738885	5,245855	5,50681	5,305452	4,672423	5,227229	5,161561667	-0,06566733	0,955503238	---	
17516320	6,069837	5,536292	5,708572	5,812527	5,612741	5,692469	5,771567	5,705912333	-0,06565467	0,955511627	Zfp202	
17202805	6,134809	6,170459	6,20169	6,649701	5,999813	5,66048	6,168986	6,103331333	-0,06565467	0,955511627	---	
17340304	4,502861	4,58592	4,672991	4,753053	4,35601	4,455757	4,5872573	4,521606667	-0,06565067	0,955514276	Gm9405	
17446424	5,873705	5,818235	5,786144	5,787889	5,840309	5,652943	5,826028	5,760380333	-0,06564767	0,955516263	Xrcc2	
17450047	3,190872	3,239602	3,282779	3,189428	3,292396	3,03449	3,237751	3,172104667	-0,06564633	0,955517146	---	
17387942	3,901628	3,38217	3,550594	3,660127	3,484917	3,492487	3,611464	3,545843667	-0,06562033	0,955534366	Olfr1239	
17422109	5,714417	5,772291	6,022359	5,805742	5,757867	5,748652	5,8363557	5,770753667	-0,065602	0,955546509	Hes2	
17412047	3,917918	3,67356	3,808586	3,671914	3,801652	3,729747	3,8000213	3,734437667	-0,06558367	0,955558652	Cngb3	
17344852	3,95226	3,66708	3,748831	4,049039	3,486749	3,635645	3,7893903	3,723811	-0,06557933	0,955561522	Olfr97	
17549444	3,867904	4,031264	3,84366	3,740411	3,821497	3,984184	3,914276	3,848697333	-0,06557867	0,955561964	---	
17549832	3,867904	4,031264	3,84366	3,740411	3,821497	3,984184	3,914276	3,848697333	-0,06557867	0,955561964	---	
17467128	9,54047	9,731635	9,430762	9,325721	9,532284	9,648147	9,5676223	9,502050667	-0,06557167	0,9555666	Nt5c3	
17387819	3,038215	2,885121	3,180557	2,922466	2,900901	3,083832	3,034631	2,969066333	-0,06556467	0,955571237	---	
17266421	4,564183	4,546783	4,542879	4,520733	4,608502	4,327934	4,5512817	4,485723	-0,06555867	0,955575211	---	
17408040	4,114402	4,22083	4,451375	4,068171	4,127323	4,394439	4,2622023	4,196644333	-0,065558	0,955575652	Gm17580	
17424119	6,675805	6,57788	6,874162	6,736039	6,576042	6,619183	6,7092823	6,643754667	-0,06552767	0,955595744	Aqp3	
17416005	3,621994	3,684342	3,519362	3,679971	3,386896	3,562252	3,608566	3,543039667	-0,06552633	0,955596627	---	
17411885	8,227249	8,243234	8,09027	8,021793	8,102556	8,23983	8,1869177	8,121393	-0,06552467	0,955597731	C430048L16Rik	
17505197	9,94542	9,99748	9,795069	9,723932	9,942679	9,874815	9,9126563	9,847142	-0,06551433	0,955604576	Cirh1a	
17450527	8,363849	8,585661	8,28539	8,308665	8,381415	8,34832	8,4116333	8,346133333	-0,0655	0,95561407	---	
17259808	3,904636	3,718133	3,862462	3,694432	3,798896	3,795473	3,8284103	3,762933667	-0,06547667	0,955629525	---	
17295362	9,26004	9,313585	9,213833	9,163698	9,283998	9,143358	9,262486	9,197018	-0,065468	0,955635266	Btf3	
17277635	5,199914	4,873754	5,068299	5,169454	4,784352	4,991762	5,0473223	4,981856	-0,06546633	0,95563637	Gm8300	
17234403	5,20249	5,357088	5,348782	5,280233	5,088029	5,343827	5,3027867	5,237363	-0,06542367	0,955664633	Ggt5	
17333076	6,645691	6,457793	6,985076	6,916574	6,689328	6,286423	6,6961867	6,630775	-0,06541167	0,955672582	Gm8465	
17417738	9,532897	9,812668	9,634067	9,529594	9,643761	9,610043	9,6598773	9,594466	-0,06541133	0,955672803	Hyi	
17538074	4,764929	4,641033	4,821218	4,658141	4,775175	4,597637	4,7423933	4,676984333	-0,065409	0,955674348	Trap1a	
17451780	4,981443	4,943191	5,06016	4,910532	4,969432	4,908608	4,9949313	4,929524	-0,06540733	0,955675452	Gm13842	
17449649	4,649108	4,652264	4,64491	4,569534	4,688705	4,491888	4,6487607	4,583375667	-0,065385	0,955690246	U90926	
17281791	8,265863	8,198603	8,198545	8,165515	8,088332	8,21304	8,2210037	8,155629	-0,06537467	0,955697092	2810055F11Rik	
17281767	6,683331	6,977124	6,636253	6,655038	6,816563	6,629018	6,7655693	6,700206333	-0,065363	0,95570482	3110056K07Rik	
17382937	6,945127	6,930326	7,115706	7,045943	6,950142	6,799046	6,997053	6,931710333	-0,06534267	0,95571829	Snapc4	
17366067	7,064651	7,161371	6,956952	6,906576	7,003374	7,077048	7,0609913	6,995666	-0,06532533	0,955729773	D19Ertd737e // D19Ertd737e	
17303706	7,363778	7,316539	7,432286	7,351803	7,346061	7,218895	7,3708677	7,305586333	-0,06528133	0,955758921	Gng2	
17420846	8,467264	8,532248	8,549718	8,406767	8,455205	8,491453	8,51641	8,451141667	-0,06526833	0,955767534	Rcc2	
17326504	8,238669	8,388214	8,22575	8,276749	8,217047	8,163035	8,284211	8,218943667	-0,06526733	0,955768196	---	
17357233	9,117696	9,608714	9,261479	9,105542	9,246259	9,440304	9,3292963	9,264035	-0,06526133	0,955772171	---	
17217035	12,1905	11,72939	12,03285	11,76695	12,0902	11,89981	11,984247	11,91898667	-0,06526	0,955773054	Ctse	
17317233	9,702439	9,788633	9,75654	9,653774	9,72536	9,672741	9,749204	9,683958333	-0,06524567	0,95578255	Atad2	
17207247	2,94797	3,875863	2,919825	3,408889	3,150065	2,989015	3,247886	3,182656333	-0,06522967	0,95579315	---	
17200635	3,278464	3,353351	3,948562	3,698747	3,50725	3,178693	3,5267923	3,461563333	-0,065229	0,955793592	---	
17359678	4,789943	4,846148	4,689689	4,714876	4,589379	4,825858	4,77526	4,710037667	-0,06522233	0,955798008	Scd3	
17533890	5,06432	4,605572	4,343368	4,670165	4,522782	4,624653	4,6710867	4,605866667	-0,06522	0,955799554	---	
17277837	6,784291	6,813349	6,876729	6,770701	6,694321	6,813772	6,8247897	6,759598	-0,06519167	0,955818326	Ttc8	
17330662	4,625537	4,29332	4,613719	4,634235	4,200789	4,502008	4,5108587	4,445677333	-0,06518133	0,955825172	Tmprss7	
17393004	6,171088	5,535084	6,110528	5,725694	5,996736	5,898754	5,9389	5,873728	-0,065172	0,955831355	Foxs1	
17492947	5,117302	4,768113	5,080392	4,871525	4,873438	5,025351	4,9886023	4,923438	-0,06516433	0,955836435	9930013L23Rik	
17496029	3,590473	3,597077	3,475564	3,549025	3,585112	3,333494	3,5543713	3,489210333	-0,065161	0,955838643	---	
17227696	12,1819	12,17124	11,96112	12,0126	12,00898	12,09723	12,104753	12,03960333	-0,06515	0,955845931	Cfh	
17433934	4,999311	4,894619	5,047272	4,883225	5,004563	4,857965	4,9804007	4,915251	-0,06514967	0,955846152	Tnfrsf18	
17335138	5,151882	4,983397	5,349744	5,166103	5,051531	5,071952	5,1616743	5,096528667	-0,06514567	0,955848802	---	
17364930	7,794126	7,156415	7,760414	8,026495	7,311977	7,177049	7,5703183	7,505173667	-0,06514467	0,955849465	---	
17466382	3,834023	3,784641	3,692438	3,790343	3,642582	3,682755	3,7703673	3,705226667	-0,06514067	0,955852115	Olfr459	
17246473	2,940345	3,148118	2,965293	3,005844	2,904111	2,948407	3,0179187	2,952787333	-0,06513133	0,955858299	Vmn2r84	
17504143	6,582784	5,967858	6,622943	6,188483	6,446646	6,343063	6,391195	6,326064	-0,065131	0,95585852	Ciapin1 // Ciapin1	
17329030	3,174487	3,064866	3,227476	3,348727	2,973396	2,949421	3,1556097	3,090514667	-0,065095	0,955882372	Olfr165	
17291260	4,842162	4,762741	4,900899	4,758335	4,810198	4,742024	4,8352673	4,770185667	-0,06508167	0,955891206	Scgn	
17329500	4,762035	4,807759	4,854706	4,769532	4,73725	4,722498	4,8081667	4,743093333	-0,06507333	0,955896727	Gm606	
17204711	5,930274	4,195256	4,99447	4,4717	5,005836	5,447275	5,04	4,974937	-0,065063	0,955903574	---	
17282465	6,79165	7,070295	7,249715	6,974378	7,017052	6,925072	7,03722	6,972167333	-0,06505267	0,955910421	C130039O16Rik	
17403879	8,748315	8,721658	8,489316	8,501125	8,571833	8,691173	8,6530963	8,588043667	-0,06505267	0,955910421	Ankrd13c	
17322829	7,324975	7,784084	7,74566	7,569724	7,520185	7,569724	7,6182397	7,553211	-0,06502867	0,955926323	Nubp1	
17293665	7,887283	7,976953	7,942028	7,809021	7,887458	7,914781	7,9354213	7,87042	-0,06500133	0,955944434	Zfp367	
17550657	3,975152	3,931271	4,120004	3,857553	4,074832	3,899069	4,008809	3,943818	-0,064991	0,95595281	---	
17515196	7,883506	7,81234	7,895197	7,755007	7,874332	7,766741	7,863681	7,798693333	-0,06498767	0,95595349	Qtrt1	
17532973	7,430166	7,681241	7,550679	7,564133	7,55829	7,344765	7,5540287	7,489062667	-0,064966	0,955967847	Gripap1	
17460085	5,02262	5,13553	5,235714	5,054074	5,111894	5,033034	5,131288	5,066334	-0,064954	0,955975798	B230319C09Rik	
17338540	3,69032	3,660037	3,92973	3,610951	3,670797	3,803498	3,7600229	3,695082	-0,064947	0,955980437	Gm19585	
17483733	7,038201	7,089628	7,110038	6,860342	7,109588	7,073099	7,079289	7,014343	-0,064946	0,955981099	Bag3	
17211519	4,176092	4,037166	4,246017	4,145387	4,042172	4,076901	4,1530917	4,088153333	-0,06493833	0,955986179	---	
17305662	9,23967	9,321907	9,282563	9,288494	9,220783	9,140059	9,28138	9,216445333	-0,06493467	0,955988609	Fermt2	
17338852	7,828095	7,816244	7,947419	7,809526	7,744479	7,842986	7,8639193	7,798997	-0,06492233	0,955996782	Ranbp3	
17287325	6,250237	6,756805	6,562176	6,529626	6,446486	6,398345	6,5230727	6,458152333	-0,06492033	0,955998107	S1pr3	
17507829	3,122761	3,086359	3,127348	2,939525	3,118005	3,084208	3,112156	3,047246	-0,06491	0,956004954	Defb37	
17549510	9,773241	10,14613	10,03076	10,00325	9,789406	9,962748	9,983377	9,918468	-0,064909	0,956005617	---	
17469797	6,339686	5,91521	6,247645	6,156968	6,232632	5,918252	6,1675137	6,102617333	-0,06489633	0,956014011	Ghrl	
17394803	6,676098	6,685819	7,160364	6,682878	6,855696	6,789092	6,8407603	6,775888667	-0,06487167	0,956030356	---	
17420431	10,65196	10,54462	10,8636	10,73807	10,44152	10,68598	10,686727	10,62185667	-0,06487	0,956031461	---	
17432387	7,361012	7,399551	7,281877	7,185541	7,368837	7,293493	7,34748	7,282623667	-0,06485633	0,956040517	Tmem51	
17246209	6,475514	6,723352	6,798677	6,516682	6,560073	6,72623	6,6658477	6,600995	-0,06485267	0,956042947	Rpl41	
17328422	3,329319	3,300665	3,351973	3,152791	3,375966	3,258661	3,327319	3,262472667	-0,06484633	0,956047144	---	
17294421	10,13298	10,14149	10,12111	10,05255	10,0471	10,10141	10,13186	10,06702	-0,06484	0,956051341	Cast	
17358503	9,257959	9,267319	9,391525	9,330163	9,355032	9,037148	9,305601	9,240781	-0,06482	0,956064595	Rcl1	
17358749	3,878214	3,652718	3,801215	3,870277	3,639974	3,627455	3,7773823	3,712568667	-0,06481367	0,956068792	Lipn	
17255097	5,293554	5,1387	5,144635	5,103436	5,108488	5,170608	5,1922963	5,127510667	-0,06478567	0,956087348	Car10	
17366980	3,981999	4,047331	3,935003	3,864802	3,938517	3,966701	3,988111	3,92334	-0,064771	0,956097068	Gm13293	
17520932	9,808864	9,768073	9,712415	9,667162	9,840878	9,587001	9,7631173	9,698347	-0,06477033	0,956097509	Topbp1	
17439978	7,818841	7,946858	7,855061	7,70914	7,890352	7,82696	7,8735867	7,808817333	-0,06476933	0,956098172	Cdc7	

17290938	5,958867	5,61798	5,510475	5,567079	6,048825	5,277143	5,695774	5,631015667	-0,06475833	0,956105462	---	
17416897	8,819519	8,933736	8,74144	8,738326	8,804331	8,757843	8,831565	8,766833333	-0,06473167	0,956123135	Faf1	
17318802	4,691976	4,4805	4,163511	4,426386	4,309379	4,406088	4,445329	4,380617667	-0,06471133	0,95613661	1700025B11Rik	
17312196	5,024117	4,836393	5,066991	4,598624	5,194068	4,940713	4,9758337	4,911135	-0,06469867	0,956145005	Ly6k	
17335609	4,894307	4,717721	4,915299	4,714442	4,761762	4,857055	4,8424423	4,777753	-0,06468933	0,956151191	---	
17217821	7,47231	7,477759	7,397389	7,40488	7,392504	7,356011	7,4491527	7,384465	-0,06468767	0,956152295	Zfp281	
17293085	8,656671	8,808134	8,807062	8,786556	8,541818	8,749455	8,757289	8,692609667	-0,06467933	0,956157818	Hnrnpa0	
17335040	7,683163	7,393557	7,560598	7,402231	7,37457	7,666499	7,5457727	7,4811	-0,06467267	0,956162237	Ggnbp1	
17468444	5,87509	5,469272	5,488097	5,865954	5,367928	5,404636	5,6108197	5,546172667	-0,064647	0,956179248	Cml2	
17452453	5,679894	6,091577	6,362504	6,047714	5,958654	5,933671	6,0446583	5,980013	-0,06464533	0,956180352	---	
17397601	5,040504	4,716456	5,03064	4,937002	4,628083	5,028596	4,9292	4,864560333	-0,06463967	0,956184108	---	
17365953	5,114971	4,967502	5,239516	4,999907	5,131085	4,997105	5,1073297	5,042699	-0,06463067	0,956190073	B230217O12Rik	
17415835	5,451128	5,634983	5,501785	5,472662	5,356993	5,564387	5,5292987	5,464680667	-0,064618	0,956198468	Ror1	
17467124	6,334355	6,758634	6,578926	6,440119	6,54208	6,495898	6,557305	6,492699	-0,064606	0,956206422	Fkbp9 // Fkbp9	
17209999	3,647238	3,573967	4,161805	3,467569	4,065514	3,656113	3,7943367	3,729732	-0,06460467	0,956207306	---	
17372119	9,675243	9,706403	9,626803	9,481922	9,661335	9,671412	9,669483	9,604889667	-0,06459333	0,956214817	Mtx2	
17547636	6,572255	6,273525	6,501502	6,325592	6,492618	6,335312	6,449094	6,384507333	-0,06458667	0,956219236	---	
17331564	8,251752	8,382235	8,256256	8,070037	8,310177	8,316281	8,2967477	8,232165	-0,06458267	0,956221887	Nrip1	
17202911	2,728599	3,737434	3,533848	3,247776	3,443055	3,115409	3,3332937	3,268746667	-0,064547	0,956245527	---	
17249425	10,59649	10,77801	10,59309	10,53749	10,58228	10,65423	10,655863	10,59133333	-0,06453	0,956256795	Skp1a	
17410304	3,140253	3,224107	3,348439	3,185003	3,037268	3,297033	3,2375997	3,173101333	-0,06449833	0,956277785	---	
17524659	7,724904	7,788044	7,830616	7,79376	7,818526	7,537799	7,781188	7,716695	-0,064493	0,95628132	Keap1	
17252887	4,264119	4,378358	4,558475	4,046421	4,722591	4,238469	4,4003173	4,335827	-0,06449033	0,956283088	Rpa1 // Rpa1	
17282534	6,372776	6,288741	6,50868	6,393669	6,312495	6,270569	6,3900657	6,325577667	-0,064488	0,956284635	Abcd4	
17521300	7,187018	7,333418	7,338188	7,183671	7,156971	7,324583	7,286208	7,221741667	-0,06446633	0,956298996	Cish	
17495598	6,808532	6,766461	6,835939	6,610715	6,766132	6,840812	6,803644	6,739219667	-0,06442433	0,956326837	2310008H09Rik	
17257595	5,06997	4,89589	4,924857	4,998411	4,928849	4,770194	4,9635723	4,899151333	-0,064421	0,956329046	---	
17513908	6,384089	6,312776	6,444545	6,397212	6,263116	6,287852	6,38047	6,31606	-0,06441	0,956336338	Fanca	
17303646	8,050577	8,298907	8,239477	8,159118	8,208969	8,027663	8,1963203	8,131916667	-0,06440367	0,956340536	Ube2e1	
17364414	11,71051	11,78182	11,77075	11,68747	11,67143	11,71097	11,75436	11,68995667	-0,06440333	0,956340757	Cyp2c68	
17403323	3,857503	3,78354	4,017911	4,162933	3,715179	3,587663	3,886318	3,821925	-0,064393	0,956347607	---	
17479728	5,804995	5,804995	5,942983	5,635941	5,943894	5,780006	5,850991	5,786613667	-0,06437733	0,956357992	Fam103a1	
17354502	6,171128	6,243972	6,257936	5,958932	6,360064	6,160913	6,2243453	6,159969667	-0,06437567	0,956359097	2210409D07Rik	
17366081	8,487208	8,538588	8,352303	8,305325	8,448442	8,431213	8,4593663	8,394993333	-0,064373	0,956360865	2700078E11Rik	
17240226	9,036295	8,991089	9,102343	8,98929	8,928198	9,019163	9,0432423	8,978883667	-0,06435867	0,956370366	Marcks	
17535076	3,845303	3,847158	4,024796	3,845848	3,820348	3,857992	3,9057523	3,841396	-0,06435633	0,956371913	Zic3	
17256607	6,799254	6,832433	6,986464	6,936136	6,755352	6,733609	6,872717	6,808365667	-0,06435133	0,956375228	Ramp2	
17344221	10,62584	10,66094	10,65547	10,49875	10,66345	10,587	10,647417	10,58306667	-0,06435	0,956376112	Csnk2b	
17402475	3,002692	3,108107	3,171567	3,032044	2,984557	3,072717	3,094122	3,029772667	-0,06434933	0,956376554	Mir302b	
17497044	7,885363	7,977858	7,868239	7,842017	7,827478	7,868924	7,9104867	7,846139667	-0,064347	0,9563781	Ikzf5	
17545075	5,170931	5,018476	5,000115	4,936946	5,048938	5,010623	5,063174	4,998835667	-0,06433833	0,956383846	Gm15032	
17307663	6,582783	6,181499	6,800459	6,372557	6,595272	6,403901	6,5215803	6,457243333	-0,064337	0,95638473	Xkr6	
17365621	3,421984	3,242688	3,173072	3,103958	3,371726	3,16908	3,279248	3,214921333	-0,06432667	0,95639158	---	
17348877	5,706008	5,012787	5,366161	5,320134	5,300296	5,271593	5,361652	5,297341	-0,064311	0,956401965	---	
17208583	3,583591	3,372462	3,704516	3,281077	3,446887	3,739676	3,553523	3,489213333	-0,06430967	0,956402849	---	
17537632	4,45473	4,375268	4,642305	4,459056	4,337831	4,482513	4,4907677	4,426466667	-0,064301	0,956408595	Arl13a	
17318461	8,450048	8,51533	8,335402	8,403701	8,291229	8,412951	8,4335933	8,369293667	-0,06429967	0,956409479	Sharpin	
17361890	8,720484	8,798201	8,832382	8,770615	8,692778	8,694824	8,783689	8,719405667	-0,06428333	0,956420307	Capn1	
17516752	4,560383	4,348395	4,568395	4,377434	4,512231	4,394723	4,492391	4,428129333	-0,06426167	0,95643467	BC049352	
17497829	5,007761	4,793611	4,624	4,624239	4,890827	4,717546	4,8084573	4,744204	-0,06425333	0,956440195	Cdhr5	
17352126	5,527223	5,490501	5,676307	5,613138	5,518597	5,369628	5,564677	5,500454333	-0,06422267	0,956460526	Rbfa	
17545936	6,124306	6,100193	6,014788	5,993979	5,943984	6,108692	6,0797623	6,015551667	-0,06421067	0,956468481	Car5b	
17480555	4,972821	4,948603	4,789813	4,905144	4,853258	4,760218	4,9037457	4,83954	-0,06420567	0,956471796	Klhl35	
17418413	9,130765	9,210916	9,069744	9,13495	9,108191	8,975671	9,1371417	9,072937333	-0,06420433	0,95647268	Gnl2	
17493643	6,463976	6,376847	6,329813	6,190128	6,444183	6,343759	6,390212	6,326023333	-0,06418867	0,956483067	Mogat2	
17344881	3,44098	3,238823	3,442974	3,422421	3,259546	3,248373	3,374259	3,310113333	-0,06414567	0,956511576	Olfr112	
17461477	6,358372	6,951398	6,495444	6,508352	6,674634	6,429842	6,601738	6,537609333	-0,06412867	0,956522847	Lmcd1	
17410572	5,828385	5,320594	5,010266	5,117602	5,220747	5,628529	5,386415	5,322292667	-0,06412233	0,956527046	4933401H06Rik	
17328107	4,350769	4,426515	4,407395	4,226907	4,433848	4,331573	4,394893	4,330776	-0,064117	0,956530582	Tnp2 // Tnp2	
17409619	3,77233	3,462644	3,424112	3,57582	3,519233	3,371713	3,5530287	3,488922	-0,06410667	0,956537433	---	
17205411	5,540688	5,380414	5,461681	5,355728	5,574387	5,26036	5,4609277	5,396825	-0,06410267	0,956540085	---	
17341691	5,195926	4,909891	4,966619	4,941255	5,027038	4,911838	5,0241453	4,960043667	-0,06410167	0,956540748	---	
17472893	5,884087	6,000996	6,13167	5,921757	6,057134	5,845599	6,0055843	5,941496667	-0,06408767	0,956550031	Gm5887	
17208855	6,490907	6,030886	5,802059	5,805039	6,101453	6,2251	6,1079507	6,043864	-0,06408667	0,956550694	---	
17526263	3,407722	3,363139	3,941113	3,615619	3,434703	3,469393	3,570658	3,506571667	-0,06408633	0,956550915	---	
17422914	8,974367	8,957767	8,92487	8,989721	8,96018	8,714894	8,9523347	8,888265	-0,06406967	0,956561965	Noc2l	
17544529	3,428666	3,341611	3,385911	3,288247	3,422765	3,253036	3,385396	3,321349333	-0,06404667	0,956577215	B230119M05Rik	
17519303	5,00269	4,989847	4,858184	4,975059	4,861775	4,821794	4,9502403	4,886209333	-0,064031	0,956587603	Rsl24d1	
17218446	4,601434	4,431112	4,549317	4,372566	4,316228	4,700993	4,5272877	4,463262333	-0,06402533	0,95659136	---	
17326147	7,092553	7,183439	7,012993	7,033664	6,876565	7,186728	7,0963283	7,032319	-0,06400933	0,956601969	Ift57	
17256473	9,024781	9,136014	9,054697	9,079161	8,922543	9,021847	9,0718307	9,007850333	-0,06398033	0,956621199	Atp6v0a1	
17308476	12,03928	12,16491	12,27453	11,96079	12,17332	12,15267	12,159573	12,09559333	-0,06398	0,95662142	---	
17204381	4,095355	4,192506	4,301082	4,196941	3,934158	4,265916	4,1963143	4,132338333	-0,063976	0,956624072	---	
17307125	4,582207	4,270607	4,60725	4,330597	4,594859	4,342716	4,486688	4,422724	-0,063964	0,956632029	Gjb6	
17209959	4,330806	4,044629	3,613782	4,132262	3,757641	3,907437	3,9964057	3,932446667	-0,063959	0,956635344	---	
17548315	8,775676	8,931185	8,826532	8,42417	8,895161	9,022186	8,8444643	8,780505667	-0,06395867	0,956635565	LOC100862132	
17208835	6,518304	6,160482	6,177033	6,785368	6,035315	5,843266	6,285273	6,221316333	-0,06395667	0,956636892	---	
17439872	3,247568	3,615188	3,681956	3,742545	3,565279	3,045044	3,514904	3,450956	-0,063948	0,956642638	Zfp33b	
17499983	8,50629	8,562061	8,369871	8,457924	8,343245	8,445277	8,4794073	8,415482	-0,06392533	0,956657669	Myst3	
17280661	5,503294	5,616158	5,712811	5,586674	5,310343	5,743495	5,6107543	5,546837333	-0,063917	0,956663195	F730043M19Rik	
17284995	4,408965	4,26916	4,443907	4,373445	4,311985	4,244863	4,3740107	4,310097667	-0,063913	0,956665847	---	
17357981	5,394023	5,081837	5,210045	5,270547	4,996603	5,227024	5,228635	5,164724667	-0,06391033	0,956667615	Prune2	
17334902	12,31431	12,36157	12,26421	12,24745	12,22669	12,27422	12,313363	12,24945333	-0,06391	0,956667836	---	
17509146	7,354507	7,323059	7,309847	7,329508	7,207171	7,25916	7,3291377	7,265279667	-0,063858	0,956702319	Snx25	
17439246	6,092526	5,666902	5,578133	5,947327	5,256076	5,942625	5,779187	5,715342667	-0,06384433	0,956711382	LOC100862180 // LOC100862166 // Gm7	
17225775	6,865192	6,819301	6,738426	6,735811	6,638221	6,857372	6,8076397	6,743801333	-0,06383833	0,95671536	Thap4	
17331852	3,26075	3,277917	3,181349	3,091861	3,255412	3,181349	3,2400053	3,176207333	-0,063798	0,956742108	Krtap13	
17300390	4,475502	4,293333	4,66834	4,401363	4,416526	4,427896	4,4790583	4,415261667	-0,06379667	0,956742992	D830015G02Rik	
17513963	3,463759	4,080454	3,788274	3,576596	3,797208	3,767325	3,7774957	3,713709667	-0,063786	0,956750066	---	
17349367	3,209207	3,21067	3,203347	3,443675	2,99806	2,990139	3,2077413	3,143958	-0,06378333	0,956751834	---	
17387660	3,004888	2,846391	3,600818	2,898521	3,306669	3,055571	3,150699	3,086920333	-0,06377867	0,956754929	Olfr1053	
17295718	8,047823	8,2205	8,019999	8,006006	8,001608	8,089387	8,0961073	8,032333667	-0,06377367	0,956758245	Cdk7	
17391259	5,659455	5,633742	5,917721	5,757435	5,509869	5,752314	5,7369727	5,673206	-0,06376667	0,956762887	Fahd2a	
17422980	5,932157	6,016179	5,851933	5,786929	5,975324	5,846763	5,933423	5,869672	-0,063751	0,956773277	Rps20	
17214564	6,091356	5,997362	6,253704	6,053022	6,006836	6,091356	6,1141407	6,050404667	-0,063736	0,956783225	Accn4	
17548488	12,60432	12,54222	12,55837	12,43079	12,53799	12,54493	12,568303	12,50457	-0,06373333	0,956784993	Hmgb1	
17372902	4,151277	4,532215	3,985142	3,936056	4,374504	4,166892	4,222878	4,159150667	-0,06372733	0,956788972	Olfr1178	
17206071	4,654854	4,925833	4,917374	4,785657	4,162244	5,35899	4,832687	4,768963667	-0,06372333	0,956791625	---	
17348250	9,781805	9,888404	9,856594	9,773983	9,777046	9,784636	9,8422677	9,778555	-0,06371267	0,956798699	Wac	
17203669	6,431602	6,687561	6,704369	5,989981	7,03669	6,605726	6,607844	6,544132333	-0,06371167	0,956799362	---	
17263073	5,491218	5,418653	5,518182	5,254646	5,477543	5,504764	5,4760177	5,412317667	-0,0637	0,9568071	---	
17408135	8,384705	8,310181	8,392285	8,295311	8,369009	8,231758	8,3623903	8,298692667	-0,06369767	0,956808647	Gpr89	
17362883	7,983712	8,398967	8,075933	8,229378	8,008361	8,029803	8,1528707	8,089180667	-0,06369	0,956813732	---	
17206533	6,406189	6,138332	5,316018	5,626085	5,774383	6,269044	5,953513	5,889837333	-0,06367567	0,956823238	---	
17527139	8,318785	8,354417	8,238549	8,209982	8,258821	8,251933	8,303917	8,240245333	-0,06367167	0,956825891	Cul5	
17257327	3,34388	3,655556	4,098788	3,605995	3,773964	3,527257	3,699408	3,635738667	-0,06366933	0,956827438	---	
17442958	5,724748	5,454555	5,579524	5,506354	5,474715	5,586775	5,5862757	5,522614667	-0,063661	0,956832965	2410018M08Rik	
17447185	6,726505	6,633516	6,633616	6,682168	6,597712	6,522923	6,6645457	6,600934333	-0,06361133	0,956865906	Poln	
17350262	3,696362	3,85138	3,888709	3,83635	3,713009	3,6963	3,8121503	3,748553	-0,06359733	0,956875192	Npy6r	
17406279	5,907433	6,179429	6,058797	5,88798	5,986021	6,080925	6,048553	5,984975333	-0,06357767	0,956888236	Tlr2	
17459306	4,241688	4,568656	3,506137	4,13855	3,809821	4,177444	4,1054937	4,041938333	-0,06355533	0,956903049	---	
17223710	4,643647	4,806856	4,382013	4,593636	4,374159	4,67408	4,6108387	4,547291667	-0,063547	0,956908576	Gpr1	
17510749	11,34317	11,33485	11,32073	11,1956	11,3541	11,25842	11,332917	11,26937333	-0,06354333	0,956911008	Abce1	
17253494	5,522773	5,168376	5,195006	5,083693	5,454021	5,157882	5,295385	5,231865333	-0,06351967	0,956926706	Proca1	
17367278	7,583874	7,617675	7,52536	7,570022	7,413293	7,553066	7,5756363	7,512127	-0,06350933	0,95693356	Commd3	
17432687	5,843707	5,419839	5,847725	5,832593	5,602798	5,485373	5,703757	5,640254667	-0,06350233	0,956938203	Tnfrsf8	
17457725	3,552824	3,568012	3,695447	3,562552	3,583311	3,479918	3,6054277	3,541927	-0,06350067	0,956939308	---	
17461739	8,185621	8,321257	8,225401	8,210045	8,248838	8,08297	8,244093	8,180617667	-0,06347533	0,956956112	Fancd2	
17547571	9,562782	9,476328	9,195936	9,26337	9,389784	9,391476	9,411682	9,34821	-0,063472	0,956958323	Ssbp1 // Ssbp1	
17200965	7,804765	7,658004	6,773635	6,586298	7,609479	7,850325	7,4121347	7,348700667	-0,063434	0,956983529	---	
17249379	5,113168	4,776428	4,837504	4,7641	4,842345	4,930417	4,9090333	4,845620667	-0,06341267	0,956997681	---	
17548942	3,755255	3,81465	4,180411	3,847669	3,547567	4,164853	3,916772	3,853363	-0,063409	0,957000113	Gm19622	
17200503	5,08645	4,247303	4,685812	4,873482	4,637191	4,318685	4,6731883	4,609786	-0,06340233	0,957004535	---	
17526614	9,656227	9,746102	9,659637	9,568373	9,700849	9,602558	9,687322	9,623926667	-0,06339533	0,957009179	Pafah1b2	
17536515	3,813405	3,568486	3,486243	3,587264	3,60242	3,488267	3,6227113	3,559317	-0,06339433	0,957009842	Mir676	
17380340	8,211443	8,178747	8,084762	8,050182	8,163179	8,071414	8,1583173	8,094925	-0,06339233	0,957011169	Th1l	
17512474	12,59188	12,80757	12,78969	12,72625	12,61389	12,65883	12,729713	12,66632333	-0,06339	0,957012716	Gm8841	
17287175	7,67451	8,23273	8,18993	7,606314	8,041027	8,259664	8,03239	7,969001667	-0,06338833	0,957013822	Ogn	
17525692	3,075839	3,365145	3,200648	3,234599	3,113716	3,103215	3,2138773	3,15051	-0,06336733	0,957027753	Olfr915	
17307134	6,747972	6,918122	6,799664	6,906311	6,77385	6,595508	6,8219193	6,758556333	-0,063363	0,957030627	Cryl1	
17432227	5,439934	5,384482	5,411028	5,470541	5,304268	5,270578	5,4118147	5,348462333	-0,06335233	0,957037703	Fblim1	
17218907	7,370194	7,566739	7,708079	7,506503	7,577827	7,370637	7,5483373	7,484989	-0,06334833	0,957040356	Nme7	
17270648	10,11643	10,11204	10,117	9,991133	10,07378	10,09056	10,115157	10,05182433	-0,06333233	0,95705097	Cdc27	
17356961	4,088111	4,007649	4,249666	3,996484	3,973051	4,185903	4,115142	4,051812667	-0,06332933	0,957052961	Rps6ka4 // Rps6ka4	

17270294	3,934615	4,024393	3,963894	3,933054	3,748067	4,051804	3,9743007	3,910975	-0,06332567	0,957055393	---	
17370727	4,465075	3,672232	4,517967	4,30865	4,178686	3,977977	4,2184247	4,155104333	-0,06332033	0,957058931	Gm13498	
17405795	8,133664	8,299131	8,064537	8,132283	8,099952	8,07515	8,1657773	8,102461667	-0,06331567	0,957062027	Kpna4	
17521454	9,772657	9,776319	9,960031	9,739283	9,742183	9,837604	9,8363357	9,773023333	-0,06331233	0,957064238	Ifrd2	
17238648	3,713456	3,369449	3,043061	3,403932	3,348672	3,183427	3,375322	3,312010333	-0,06331167	0,95706468	Olfr775	
17302470	3,367236	3,26589	3,233192	3,290761	3,238194	3,147428	3,2887727	3,225461	-0,06331167	0,95706468	---	
17549880	3,247188	3,268768	3,320242	3,166879	3,12197	3,357442	3,2787327	3,215430333	-0,06330233	0,957070872	---	
17426565	4,561529	4,788587	4,615322	4,653345	4,536547	4,585646	4,655146	4,591846	-0,0633	0,95707242	Rasef	
17359957	8,837171	8,762732	8,249612	8,319017	9,012686	8,328025	8,616505	8,553242667	-0,06326233	0,957097408	---	
17231248	8,563011	8,327576	8,484749	8,255094	8,371507	8,558954	8,4584453	8,395185	-0,06326033	0,957098735	G0s2	
17300209	4,359735	4,221741	4,430702	4,441869	4,149832	4,230709	4,3373927	4,274136667	-0,063256	0,95710161	---	
17326510	8,236109	8,335101	8,075932	8,106106	8,127989	8,223302	8,215714	8,152465667	-0,06324833	0,957106696	Pros1	
17528902	4,07076	3,956862	3,914259	3,864869	3,970963	3,916317	3,980627	3,917383	-0,063244	0,957109571	Gfral	
17236878	7,606662	7,746636	7,789817	7,56464	7,717761	7,671071	7,7143717	7,651157333	-0,06321433	0,957129252	Galnt4	
17418262	9,401991	9,676991	9,501881	9,371822	9,547464	9,471947	9,5269543	9,463744333	-0,06321	0,957132127	---	
17332287	5,1318	5,043606	5,216281	5,218278	4,78991	5,193869	5,1305623	5,067352333	-0,06321	0,957132127	---	
17456552	3,261134	3,208885	3,337616	3,378575	3,169215	3,070224	3,2692117	3,206004667	-0,063207	0,957134117	---	
17389592	4,605961	4,717797	4,683543	4,715111	4,571812	4,530769	4,6691003	4,605897333	-0,063203	0,957136771	4930528P14Rik	
17367052	4,124839	4,32063	4,238617	4,285353	4,167529	4,04166	4,2280287	4,164847333	-0,06318133	0,957151146	---	
17447331	5,166044	5,240298	5,316419	5,218785	5,112236	5,202228	5,2409203	5,177749667	-0,06317067	0,957158222	Cpz	
17227483	9,193316	9,428513	9,315549	9,322566	9,124698	9,300606	9,3124593	9,24929	-0,06316933	0,957159107	Camsap2	
17435043	3,353548	2,931878	3,017532	2,994497	3,149237	2,969729	3,100986	3,037821	-0,063165	0,957161982	---	
17371682	3,716379	3,909199	4,051402	3,741769	3,731697	4,014034	3,8923267	3,829166667	-0,06316	0,957165299	---	
17474897	5,983732	5,576068	5,854693	5,967099	5,558545	5,699381	5,804831	5,741675	-0,063156	0,957167953	Zfp112	
17541760	10,17029	10,01456	9,924764	9,844702	10,00536	10,0701	10,036538	9,973387333	-0,06315067	0,957171492	Mospd1	
17381752	8,607244	8,928852	8,532359	8,681541	8,505756	8,691712	8,689485	8,626336333	-0,06314867	0,957172818	Fam188a	
17342491	6,742691	6,109051	6,659238	6,560735	6,429428	6,331373	6,50366	6,440512	-0,063148	0,957173261	Wfikkn1	
17386672	5,556015	5,910949	6,009109	5,757033	5,897117	5,632524	5,8253577	5,762224667	-0,063133	0,957183213	1700109F18Rik	
17360817	5,570779	5,279517	5,238729	5,290933	5,270973	5,337765	5,3630083	5,299890333	-0,063118	0,957193165	Kcnk18	
17536895	4,05859	4,040597	4,122262	4,00912	4,148702	3,874291	4,0738163	4,010704333	-0,063112	0,957197146	Dmrtc1b	
17304155	6,679231	6,354081	6,819177	6,556018	6,500839	6,606454	6,6174963	6,5544437	-0,06305933	0,95723209	Plac9	
17304170	6,679231	6,354081	6,819177	6,556018	6,500839	6,606454	6,6174963	6,5544437	-0,06305933	0,95723209	Plac9	
17247543	8,646452	8,525275	8,540995	8,53026	8,479991	8,513301	8,5709073	8,507850667	-0,06305667	0,957233859	Sertad2	
17496193	7,431365	7,439966	7,12072	7,403012	6,917421	7,482454	7,3306837	7,267629	-0,06305467	0,957235186	Cd19	
17279805	7,52431	7,623923	7,562034	7,569096	7,434368	7,517678	7,570089	7,507047333	-0,06304167	0,957243812	Ncoa1	
17536548	3,590278	3,595569	3,691691	3,621105	3,558378	3,50897	3,625846	3,562817667	-0,06302833	0,957252658	Arr3	
17405119	4,554364	4,316652	4,324358	4,083394	4,604105	4,318848	4,398458	4,335449	-0,063009	0,957265486	Mgarp	
17346036	5,246849	5,025896	5,276218	5,188348	5,032779	5,138822	5,1829877	5,119983	-0,06300467	0,957268362	Vmn2r118	
17426032	5,619978	5,115575	4,959768	5,151425	5,177327	5,177598	5,2317737	5,168783333	-0,06299033	0,957277872	Mup19 // Mup16	
17409736	7,682597	7,818	7,603417	7,67445	7,594493	7,646137	7,701338	7,63836	-0,062978	0,957286056	Slc35a3	
17369218	7,486675	7,433233	7,368701	7,209504	7,251799	7,638388	7,4295363	7,366563667	-0,06297267	0,957289595	Dolpp1	
17403844	2,911624	2,797972	2,938451	2,855391	2,793342	2,81041	2,8826823	2,819714333	-0,062968	0,957292691	---	
17206175	5,063254	5,729237	4,962769	5,70175	4,465996	5,398651	5,2517533	5,188799	-0,06295433	0,95730176	---	
17371011	4,54137	4,466019	4,688129	4,768239	4,325764	4,412686	4,5651727	4,502229667	-0,062943	0,95730928	Dapl1	
17274015	6,950645	7,030451	6,783471	6,751278	6,842004	6,982461	6,9215223	6,858581	-0,06294133	0,957310386	Ttc32	
17427563	6,982742	6,634468	6,778572	6,78423	6,717906	6,704824	6,798594	6,735653333	-0,06294067	0,957310828	Itgb3bp	
17288463	7,101667	7,248741	7,054278	6,930087	7,128898	7,156885	7,1348953	7,071956667	-0,06293867	0,957312156	Mrpl36	
17477468	6,619797	6,285291	6,679629	6,524177	6,352791	6,51895	6,528239	6,465306	-0,062933	0,957315916	Lrrc4b	
17351919	8,174914	8,239991	7,966773	7,833946	8,185871	8,173075	8,127226	8,064297333	-0,06292867	0,957318791	Hdhd2	
17523281	7,819146	7,922351	7,898739	7,713806	7,882592	7,855083	7,8800787	7,817160333	-0,06291833	0,957325648	Trak1	
17414245	4,988234	5,158473	4,887421	5,014524	4,672498	5,158379	5,011376	4,948467	-0,062909	0,957331841	Tal2	
17349601	8,974737	8,757948	8,956603	8,721318	8,847602	8,931661	8,8964293	8,8335 27	-0,06290233	0,957336265	Cxxc5	
17501080	8,617852	8,868567	8,659068	8,536654	8,680331	8,739837	8,7151623	8,652274	-0,06288833	0,957345555	Rwdd4a	
17329220	9,888523	9,804041	9,645001	9,668625	9,597154	9,883162	9,7791883	9,716313667	-0,06287467	0,957354624	Ehhadh	
17387932	3,983766	3,926208	3,871749	3,73682	4,237012	3,619282	3,927241	3,864371333	-0,06286967	0,957357942	Olfr1233	
17489247	8,404344	8,3241	8,774613	8,235955	8,70997	8,368537	8,501019	8,438154	-0,062865	0,957361039	---	
17404935	4,178289	3,84853	3,645528	3,901976	3,912165	3,669622	3,8907823	3,827921	-0,06286133	0,957363472	---	
17201085	6,09894	6,007388	6,00764	5,676967	6,355819	5,892616	6,0379893	5,975134	-0,06285533	0,957367454	---	
17408845	9,933741	10,03062	9,829721	9,798079	9,872699	9,934775	9,9313607	9,868517667	-0,062843	0,957375638	Rap1a	
17531080	8,062309	8,370255	8,300909	8,172289	8,169804	8,202857	8,244491	8,18165	-0,062841	0,957376965	Rnf123	
17263609	8,310647	8,400924	8,245474	8,20456	8,250553	8,313416	8,319015	8,256176333	-0,06283867	0,957378514	Flii	
17479317	10,40112	10,49263	10,35547	10,25602	10,40894	10,39581	10,416407	10,35359	-0,06281667	0,957393113	Isg20	
17403551	12,25327	12,38127	12,2262	12,23122	12,14253	12,29856	12,286913	12,22410333	-0,06281	0,957397537	Uox	
17514786	4,94485	5,156508	5,009925	5,022364	4,872953	5,027538	5,0370943	4,974285	-0,06280933	0,95739798	---	
17206073	4,427052	3,957997	4,314883	4,181009	4,28407	4,046446	4,2333107	4,170508333	-0,06280233	0,957402625	---	
17374238	10,61534	10,54841	10,5966	10,46231	10,59678	10,51287	10,586783	10,52398667	-0,06279667	0,957406385	Nop10	
17475616	5,241683	5,045197	5,148748	5,239203	5,025405	4,982644	5,1452093	5,082417333	-0,062792	0,957409482	Hipk4	
17432927	5,613804	5,437401	5,972862	5,626554	5,582589	5,626554	5,674689	5,611899	-0,06279	0,95741081	Fbxo44	
17453205	8,884441	8,950531	8,926834	8,824837	8,858475	8,890162	8,920602	8,857824667	-0,06277733	0,957419216	Sbds	
17530300	6,766949	7,265255	7,22192	6,892833	7,274826	6,898136	7,084708	7,021931667	-0,06277633	0,957419879	---	
17393357	8,435053	8,708284	8,591717	8,628461	8,471613	8,446684	8,5783513	8,515586	-0,06276533	0,957427179	Eif6	
17210869	9,861057	9,938726	9,906928	9,797381	9,824729	9,896366	9,902237	9,839492	-0,062745	0,957440673	Tcea1	
17218933	3,541462	3,721722	3,652858	3,492953	3,52102	3,713842	3,6386807	3,575938333	-0,06274233	0,957442443	LOC433374	
17426000	6,217018	5,885748	5,698064	5,969425	5,62495	6,018269	5,93361	5,870881333	-0,06272867	0,957451513	Mup13	
17463454	5,809987	5,790903	5,760641	5,67871	5,841023	5,653677	5,787177	5,72447	-0,062707	0,957465892	Clec2i	
17499279	11,16741	11,13595	11,08191	10,97217	11,09244	11,13255	11,128423	11,06572	-0,06270333	0,957468326	Lamp1	
17207093	2,79039	3,095549	2,890476	2,892665	2,861767	2,833909	2,9254717	2,862780333	-0,06269133	0,95747629	---	
17203967	5,636422	5,944222	5,312364	5,791204	5,842005	5,071738	5,6310027	5,568315667	-0,062687	0,957479166	---	
17548375	7,84737	8,235321	7,987728	8,004724	7,982121	7,895592	8,023473	7,960812333	-0,06266067	0,957496643	---	
17531183	5,235632	5,039252	5,145378	5,015873	5,109772	5,106649	5,1400873	5,077431333	-0,062656	0,95749974	Ccdc36	
17241789	8,726077	8,525092	8,557834	8,484915	8,422001	8,714168	8,603001	8,540361333	-0,06263967	0,95751058	Cisd1	
17314159	5,857329	6,009696	6,301536	5,934338	5,981113	6,065208	6,056187	5,993553	-0,062634	0,957514341	Chkb // Chkb	
17317013	9,910771	10,0602	10,24811	9,941956	9,982569	10,10668	10,073027	10,01040167	-0,06262533	0,957520093	Gm10020	
17525788	3,536275	3,804329	3,559595	3,61352	3,724386	3,374422	3,6333997	3,570776	-0,06262367	0,957521199	Olfr979	
17355131	5,441679	5,578999	5,727653	5,794158	5,245612	5,5207	5,582777	5,520156667	-0,06262033	0,957523412	Mir694	
17297161	7,724662	7,796451	7,64672	7,60963	7,62122	7,749135	7,722611	7,659995	-0,062616	0,957526288	3830406C13Rik	
17237787	5,199886	4,918501	5,047861	5,042192	4,886825	5,04941	5,055416	4,992809	-0,062607	0,957532261	Fam19a2	
17505790	4,589413	4,412714	4,462447	4,371316	4,36559	4,539858	4,4881913	4,425588	-0,06260333	0,957534695	Cntnap4	
17550841	3,872538	3,744719	3,829608	3,791241	3,755558	3,71228	3,8156217	3,753026333	-0,06259533	0,957540004	---	
17351634	6,181226	6,304228	6,268544	6,190634	6,134222	6,24136	6,2513327	6,188738667	-0,062594	0,957540889	Ccdc68	
17527465	6,362886	6,232205	6,121629	6,315974	6,276793	5,936221	6,2389067	6,176329333	-0,06257733	0,957551951	Gm10658	
17531693	8,430479	8,391379	8,170313	8,217146	8,028201	8,559155	8,3307237	8,268167333	-0,06255633	0,95756589	Rtp3	
17359421	4,332738	4,289166	4,217826	4,260864	4,156235	4,234988	4,27991	4,217362333	-0,06254767	0,957571642	Dntt	
17434621	3,59545	3,423146	3,438469	3,418048	3,312219	3,539171	3,4856883	3,423146	-0,06254233	0,957575182	---	
17449880	6,000062	6,022151	6,031817	6,104448	5,92021	5,841769	6,01801	5,955475667	-0,06253433	0,957580492	A430089I19Rik	
17387638	3,308694	3,455277	3,528377	3,469838	3,408334	3,226609	3,4307827	3,368260333	-0,06252233	0,957588457	Olfr1042	
17406831	4,686179	4,781247	4,729211	4,663795	4,579762	4,765514	4,7322123	4,669690333	-0,062522	0,957588678	Syt11	
17210691	3,247492	3,350069	3,328801	3,401019	3,50634	2,831512	3,3087873	3,246290333	-0,062497	0,957605272	---	
17484263	3,79074	3,75012	3,624405	3,504068	3,755396	3,718365	3,721755	3,659276333	-0,06247867	0,957617441	6330420H09Rik	
17440387	8,414071	8,357553	8,323833	8,286111	8,373168	8,248745	8,3651523	8,302674667	-0,06247767	0,957618105	Chfr	
17241454	8,765092	8,869015	8,760695	8,708483	8,68304	8,815849	8,7982673	8,735790667	-0,06247667	0,957618769	Ddx50	
17473595	4,963507	4,838958	4,869748	5,089458	4,654783	4,740549	4,8907377	4,828263333	-0,06247433	0,957620317	Zfp78	
17541008	9,315577	9,597545	9,625463	9,610224	9,510504	9,230488	9,5128617	9,450405333	-0,06245633	0,957632265	Snora69	
17224386	5,118794	4,973583	5,124792	4,844197	4,972388	5,21322	5,0723897	5,009935	-0,06245467	0,957633372	Cryba2	
17202781	7,132375	6,762664	7,185866	7,146749	6,701264	7,045535	7,0269683	6,964516	-0,06245233	0,95763492	---	
17527171	3,040012	3,480905	2,909862	2,968346	3,113231	3,161845	3,143593	3,081140667	-0,06245233	0,95763492	---	
17446622	4,661298	4,652869	4,598117	4,596741	4,471116	4,657082	4,637428	4,574979667	-0,06244833	0,957637576	A230098N10Rik	
17255454	5,949016	5,83851	6,053164	5,788756	5,725525	6,139123	5,9468967	5,884468	-0,06242867	0,95765063	B130006D01Rik	
17401987	7,3682	7,262003	7,152281	7,195599	7,241523	7,158117	7,260828	7,198413	-0,062415	0,957659702	Dph5	
17436237	7,078676	7,3695	7,502474	7,298565	7,346189	7,118654	7,3168833	7,254469333	-0,062414	0,957660366	Fosl2	
17432287	8,349812	8,529463	8,397226	8,396092	8,37827	8,314916	8,4255003	8,363092667	-0,06240767	0,95766457	Ddi2	
17262020	5,169188	5,261383	4,939832	5,06514	5,255191	4,86287	5,1234677	5,061067	-0,06240067	0,957669216	---	
17331088	4,52161	4,594306	4,888525	4,71877	4,649181	4,449352	4,668147	4,605767667	-0,06237933	0,957683378	Gm19797	
17503528	5,171572	4,820762	5,388754	5,036669	5,074982	5,082301	5,1270293	5,064650667	-0,06237867	0,95768382	Gm10638	
17205189	3,541075	4,123989	5,123268	4,213559	4,178288	4,209357	4,2627773	4,200401333	-0,062376	0,95768559	---	
17209379	3,541075	4,123989	5,123268	4,213559	4,178288	4,209357	4,2627773	4,200401333	-0,062376	0,95768559	---	
17507234	2,951107	3,004387	2,881186	2,936205	2,861528	2,851823	2,94556	2,883185333	-0,06237467	0,957686476	---	
17225813	3,297911	3,236485	3,210276	3,201039	3,162911	3,193649	3,248224	3,185866333	-0,06235767	0,957697761	---	
17276662	5,433245	4,827845	5,757292	5,497824	5,197577	5,135937	5,3394607	5,277112667	-0,062348	0,957704178	---	
17546073	3,353563	3,627053	3,611314	3,420961	3,410613	3,573364	3,5306433	3,468312667	-0,06233067	0,957715684	---	
17274611	5,503294	5,539432	5,712413	5,587687	5,472529	5,507939	5,5850463	5,522718333	-0,062328	0,957717454	Gm17746	
17460107	5,908669	5,814138	5,913462	5,858194	5,777174	5,813948	5,8787563	5,816438667	-0,06231767	0,957724314	Atp6v1b1	
17487161	6,893824	6,656986	6,664602	6,776751	6,7164	6,535323	6,7384707	6,676158	-0,06231267	0,957727633	Qpctl	
17340482	5,015107	4,738761	4,776376	4,706073	4,697252	4,940008	4,8434147	4,781111	-0,06230367	0,957733608	4930579D07Rik	
17216931	4,169805	4,47869	4,136731	4,367155	4,118198	4,113002	4,261742	4,199451667	-0,06229033	0,957742459	---	
17507573	5,507975	5,599101	5,828364	5,600426	5,786172	5,361996	5,6451467	5,582864667	-0,062282	0,957747991	Adprhl1	
17211347	4,424139	3,870875	3,611674	4,025866	3,699456	3,994535	3,968896	3,906619	-0,062277	0,957751311	Tfap2b	
17393684	9,276221	9,329132	9,244501	9,175132	9,213852	9,274053	9,2832847	9,221012333	-0,06227233	0,957754409	Rbl1	
17380108	8,20669	8,166082	8,130371	8,093954	8,048565	8,173876	8,1677143	8,105465	-0,06224933	0,957769678	Cstf1	
17262621	10,12607	10,21796	10,04211	9,950508	10,11007	10,13885	10,128713	10,066476	-0,06223733	0,957777644	Hspa4	
17459312	6,126348	5,79974	6,221776	6,009246	6,049279	5,902656	6,049288	5,987060333	-0,06222767	0,957784062	---	
17336829	7,16534	7,401125	7,356623	7,156555	7,323526	7,256325	7,307696	7,245468667	-0,06222733	0,957784283	Lsm2	
17271724	4,258581	4,546491	4,360274	4,492391	4,126012	4,360274	4,3884487	4,326225667	-0,062223	0,95778716	Cd300ld	
17429810	7,051694	6,76649	6,621306	6,731214	6,751001	6,770676	6,8131633	6,750963667	-0,06219967	0,957802651	Akirin1	

17430767	8,243857	8,420331	8,384556	8,274328	8,269213	8,318604	8,3495813	8,287381667	-0,06219967	0,957802651	Ythdf2	
17469040	6,915491	7,062793	7,052761	6,935246	7,03251	6,87669	7,0103483	6,948148667	-0,06219967	0,957802651	Xpc	
17203961	7,48414	7,545509	7,555464	7,594745	7,399846	7,403926	7,528371	7,466172333	-0,06219867	0,957803315	---	
17362261	8,349855	8,371042	8,422887	8,312704	8,267426	8,377196	8,3812613	8,319108667	-0,06215267	0,957833854	Otub1	
17485772	5,45459	5,737189	5,611156	5,594351	5,477961	5,544188	5,6009783	5,538833333	-0,062145	0,957838944	Tnnt1	
17262413	3,802812	3,683555	3,945234	3,766236	3,712732	3,766236	3,8105337	3,748401333	-0,06213233	0,957847354	Grm6	
17520537	5,711931	5,955834	5,864052	5,778781	5,836664	5,730004	5,843939	5,781816333	-0,06212267	0,957853772	Gk5	
17421033	5,888031	6,050654	5,845178	5,831826	5,926378	5,839296	5,9279543	5,865833333	-0,062121	0,957854879	Epha2	
17372592	8,421181	8,418886	8,383799	8,225707	8,464303	8,347505	8,4079553	8,345838333	-0,062117	0,957857535	Ypel4	
17419648	6,45012	6,08281	6,31376	6,332174	6,143863	6,184344	6,28223	6,220127	-0,062103	0,95786683	---	
17451731	3,445664	3,478843	3,773302	3,649568	3,54894	3,313011	3,5659363	3,503839667	-0,06209667	0,957871035	---	
17348295	9,337032	9,557055	9,324043	9,272284	9,262628	9,497007	9,4060433	9,343973	-0,06207033	0,957888519	Thoc1	
17377478	6,951729	6,937864	6,794713	6,788897	6,867101	6,842158	6,8947687	6,832718667	-0,06205	0,957902019	Entpd6	
17428082	5,001522	5,024084	5,18934	5,053056	5,06961	4,906172	5,0716487	5,009612667	-0,062036	0,957911315	---	
17378784	8,66621	8,624098	8,63562	8,544173	8,519001	8,676649	8,641976	8,579941	-0,062035	0,957911979	Rprd1b	
17233716	6,426593	6,456075	6,659401	6,358594	6,634633	6,362764	6,514023	6,451997	-0,062026	0,957917955	Npffr1	
17387800	4,234689	3,986357	3,965019	3,894424	3,854867	4,2507	4,0620217	3,999997	-0,06202467	0,95791884	Olfr1162	
17540109	3,690116	3,384692	3,6841	3,526999	3,281518	3,764327	3,5863027	3,524281333	-0,06202133	0,957921053	Ssxb6	
17324674	8,815987	9,029118	8,714892	8,703403	8,939154	8,731393	8,8533323	8,791316667	-0,06201567	0,957924816	---	
17416251	8,850802	8,910274	8,764402	8,748456	8,855751	8,735233	8,841826	8,779813333	-0,06201267	0,957926808	Usp24	
17401846	7,128664	7,056861	6,969768	6,893929	7,110004	6,965327	7,0517643	6,989753333	-0,062011	0,957927914	Vav3	
17270682	7,705647	7,487561	7,92934	7,700947	7,631235	7,60434	7,707516	7,645507333	-0,06200867	0,957929464	1700052K11Rik	
17285801	2,714154	2,951605	3,098343	2,856575	2,939234	2,782308	2,9213673	2,859372333	-0,061995	0,957938538	Vmn1r221	
17250301	5,313037	5,421334	5,331372	5,371406	5,264362	5,244015	5,3552477	5,293261	-0,06198667	0,957944071	Gm16062	
17213943	3,02375	2,998684	2,949195	2,817074	3,093875	2,874729	2,990543	2,928559333	-0,06198367	0,957946063	---	
17536448	3,01444	2,933871	3,311956	3,004688	3,125305	2,944341	3,0867557	3,024778	-0,06197767	0,957950047	---	
17276817	3,290932	3,37587	3,313767	2,95298	3,45537	3,386302	3,3268563	3,264884	-0,06197233	0,957953589	---	
17428799	8,851245	9,280513	9,168346	9,172909	9,066424	8,874861	9,1000347	9,038064667	-0,06197	0,957955138	LOC100862183 // Gm15501 // Rps8	
17295381	4,795359	4,701658	4,785758	4,972829	4,422036	4,70206	4,760925	4,698975	-0,06195	0,957968418	Tmem174	
17301854	6,890424	6,705168	6,821983	6,664285	6,651255	6,916222	6,8058583	6,743920667	-0,06193767	0,957976608	Rcbtb2	
17238882	7,199811	7,544982	7,271902	7,365447	7,233381	7,232081	7,3388983	7,276969667	-0,06192867	0,957982584	Syne1	
17284795	7,997256	7,899302	7,926765	7,847417	7,867505	7,922636	7,9411077	7,879186	-0,06192167	0,957987232	Sp4	
17424319	7,517191	7,486409	7,464477	7,333966	7,475881	7,472478	7,489359	7,427441667	-0,06191733	0,95799011	Sigmar1	
17355738	7,557148	7,438268	7,190014	7,480549	7,206939	7,312194	7,3951433	7,333227333	-0,061916	0,957990995	Zfp236	
17348398	6,843139	6,928044	7,023904	7,015879	6,802189	6,791302	6,9316957	6,86979	-0,06190567	0,957997857	Mir1b	
17389309	3,959868	3,79423	3,621608	3,859212	3,744872	3,585943	3,791902	3,730009	-0,061893	0,958006268	Olfr1313	
17458520	10,08143	10,03258	10,0673	10,05583	10,03819	9,901652	10,060437	9,998557333	-0,06187933	0,958015343	Mpp6	
17527606	6,166195	6,537365	6,597055	6,357962	6,57805	6,178986	6,4335383	6,371666	-0,06187233	0,958019991	Arid3b	
17215429	6,776335	6,808873	6,800369	6,740033	6,710975	6,748972	6,7951923	6,733326667	-0,06186567	0,958024418	Ugt1a10	
17549164	3,405684	3,596958	3,458413	3,430216	3,557638	3,287642	3,4870183	3,425165333	-0,061853	0,95803283	---	
17533413	10,99186	11,31883	11,49978	11,02488	11,39809	11,20197	11,270157	11,20831333	-0,06184333	0,958039249	Rpl3	
17201773	4,920858	4,885465	4,833489	4,876632	4,828669	4,748981	4,8799373	4,818094	-0,06184333	0,958039249	---	
17201949	4,920858	4,885465	4,833489	4,876632	4,828669	4,748981	4,8799373	4,818094	-0,06184333	0,958039249	---	
17295304	7,973416	8,291453	8,053294	8,143284	7,900886	8,088484	8,1060543	8,044218	-0,06183633	0,958043897	---	
17374047	4,030912	3,891248	3,986264	3,966291	3,722092	4,034544	3,9694747	3,907642333	-0,06183233	0,958046554	Kcna4	
17550637	2,797099	2,80284	2,865289	2,768263	2,803658	2,707844	2,8217427	2,759921667	-0,061821	0,95805408	---	
17423799	4,701617	4,85764	4,697487	4,622369	4,785828	4,663098	4,752248	4,690431667	-0,06181633	0,958057179	---	
17263362	7,382034	7,555105	7,584601	7,436614	7,489705	7,410069	7,5072467	7,445462667	-0,061784	0,958078651	Guk1	
17326370	10,75674	10,81888	10,72278	10,74629	10,67686	10,68991	10,766133	10,70435333	-0,06178	0,958081307	Tomm70a	
17278251	2,903877	3,169719	2,839076	2,906282	3,025416	2,795671	2,9708907	2,909123	-0,06176767	0,958089498	---	
17329937	9,31356	9,225551	9,188488	9,162827	9,200728	9,178776	9,242533	9,180777	-0,061756	0,958097246	Umps	
17404470	5,194676	4,621337	5,212869	4,942636	4,918357	4,982644	5,0096273	4,947879	-0,06174833	0,958102337	1700112D23Rik	
17362689	8,350208	8,490541	8,239924	8,297091	8,253967	8,344393	8,3602243	8,298483667	-0,06174067	0,958107428	Sdhaf2	
17544267	3,321769	3,326132	3,291411	3,249779	3,313104	3,191241	3,313104	3,251374667	-0,06172933	0,958114955	---	
17489100	5,700743	5,661855	5,922348	5,715586	5,740843	5,643347	5,7616487	5,699925333	-0,06172333	0,95811894	Arhgap33	
17202225	6,998775	6,687226	6,765582	6,776018	6,944825	6,545574	6,8171943	6,755472333	-0,061722	0,958119825	---	
17292139	7,790986	7,966734	7,938641	7,743511	7,826672	7,941036	7,898787	7,837073	-0,061714	0,958125138	Ccdc90a	
17382851	4,504398	4,668423	5,006296	4,848962	4,43939	4,705662	4,7263723	4,664671333	-0,061701	0,958133772	Lhx3	
17456084	6,775689	6,703965	6,625961	6,738999	6,41977	6,761772	6,7018717	6,640180333	-0,06169133	0,958140192	Foxp2	
17249168	4,91153	4,907366	5,238788	4,933283	4,923352	5,01604	5,019228	4,957558333	-0,06166967	0,958154581	---	
17522107	5,326361	5,140462	5,211737	5,16594	5,066963	5,260761	5,2261867	5,164554667	-0,061632	0,958179598	Ucn2	
17304010	4,697807	4,850877	4,400966	4,454075	4,820565	4,490157	4,6498833	4,588265667	-0,06161767	0,958189117	A830039N20Rik	
17322911	10,52236	10,9241	10,63203	10,55057	10,65679	10,68629	10,69283	10,63121667	-0,06161333	0,958191995	---	
17205191	4,2325	4,051157	4,412516	4,130441	4,408127	3,972791	4,2320577	4,170453	-0,06160467	0,958197752	---	
17209381	4,2325	4,051157	4,412516	4,130441	4,408127	3,972791	4,2320577	4,170453	-0,06160467	0,958197752	---	
17270807	6,928916	6,861625	6,863907	6,844044	6,837281	6,788389	6,884816	6,823238	-0,061578	0,958215463	Smarcd2	
17510581	8,664244	8,779791	8,562962	8,733999	8,52688	8,561401	8,668999	8,607426667	-0,06157233	0,958219227	---	
17218682	6,551466	6,765399	6,629789	6,557875	6,436408	6,767687	6,6488847	6,587323333	-0,06156133	0,958226533	Cenpl	
17467730	8,677978	8,832095	8,520021	8,762366	8,557181	8,525867	8,676698	8,615138	-0,06156	0,958227418	Rnf181	
17540332	7,760229	7,938131	7,801136	7,871942	7,793037	7,64992	7,8331653	7,771633	-0,06153233	0,958245795	Cask	
17550582	7,502965	7,662335	7,276059	7,27166	7,682865	7,302265	7,480453	7,41893	-0,061523	0,958251994	---	
17488157	8,064172	8,06631	8,198679	7,945647	8,266125	7,932841	8,1097203	8,048204333	-0,061516	0,958256643	Snrpa	
17491362	4,108352	3,773938	3,796539	3,915014	3,814065	3,765229	3,892943	3,831436	-0,061507	0,958262621	Mrgprb2	
17310357	5,301476	5,054283	5,533745	5,181705	5,01006	5,513235	5,2965013	5,235	-0,06150133	0,958266385	Slc45a2	
17205231	4,337978	4,041401	5,478046	4,853389	4,655722	4,163873	4,6191417	4,557661333	-0,06148033	0,958280334	---	
17209421	4,337978	4,041401	5,478046	4,853389	4,655722	4,163873	4,6191417	4,557661333	-0,06148033	0,958280334	---	
17518342	5,892704	5,626354	5,786969	5,376801	5,857117	5,887676	5,7686757	5,707198	-0,06147767	0,958282105	Megf11	
17419940	8,446589	8,613956	8,508355	8,480207	8,242712	8,661579	8,5229667	8,461499333	-0,06146733	0,958288969	Srsf10	
17346850	4,584895	4,621589	4,679073	4,383007	4,769644	4,548524	4,628519	4,567058333	-0,06146067	0,958293397	9130404H23Rik	
17308474	12,09443	12,21239	12,11689	11,81426	12,12749	12,29758	12,141237	12,07977667	-0,06146	0,95829384	---	
17221768	8,963734	8,865284	8,807981	8,72138	8,804722	8,926628	8,8789997	8,817576667	-0,061423	0,958318417	B3gat2 // B3gat2	
17539056	2,757598	2,85296	3,104593	2,859449	2,89196	2,77953	2,9050503	2,843646333	-0,061404	0,958331038	---	
17439976	5,505998	5,44979	5,857882	5,391671	5,609842	5,628005	5,6045567	5,543172667	-0,061384	0,958344323	---	
17276249	8,971685	8,918771	8,979489	8,833146	8,918364	8,934321	8,9566483	8,895277	-0,06137133	0,958352738	Ppm1a	
17225210	5,81866	5,871596	5,710629	5,677833	5,781351	5,757591	5,800295	5,738925	-0,06137	0,958353623	Alpi	
17344349	4,958968	4,863272	5,045136	4,92883	4,727435	5,027018	4,955792	4,894427667	-0,06136433	0,958357388	Dpcr1	
17310546	2,998331	3,01918	3,109306	2,950101	2,991295	3,001351	3,0422723	2,980915667	-0,06135667	0,95836248	---	
17464549	4,78503	4,468504	4,363862	4,51399	4,446794	4,472556	4,539132	4,47778	-0,061352	0,95836558	Calcr	
17548707	4,526692	4,354908	4,792546	4,737456	4,385386	4,367263	4,5580487	4,496701667	-0,061347	0,958368902	LOC100503303	
17513871	7,7927	7,947068	7,862143	7,728471	7,858629	7,830787	7,8673037	7,805962333	-0,06134133	0,958372666	Chmp1a	
17271622	6,829144	6,904027	6,836946	6,656864	6,769742	6,959528	6,8567057	6,795378	-0,06132767	0,958381745	Cdc42ep4	
17237275	4,659201	5,045514	4,656627	4,9706	4,432355	4,774427	4,787114	4,725794	-0,06132	0,958386838	Gm5176	
17254188	7,7649	8,157054	7,685505	7,830917	7,670626	7,921971	7,869153	7,807838	-0,061315	0,958390159	Slfn3	
17405365	7,33507	7,402869	7,365981	7,354502	7,285783	7,2797	7,3679733	7,306661667	-0,06131167	0,958392374	Wwtr1	
17294930	3,967707	3,98244	3,846014	3,812117	3,965302	3,834807	3,9320537	3,870742	-0,06131167	0,958392374	Spz1	
17268627	5,149924	5,189385	5,519726	5,273425	5,180944	5,220736	5,286345	5,225035	-0,06131	0,958393481	1700001P01Rik	
17384587	9,219906	9,336789	9,15237	9,125914	9,231194	9,168082	9,236355	9,175063333	-0,06129167	0,95840566	Rc3h2	
17364189	4,683084	4,305005	4,385064	4,421292	4,567085	4,200905	4,4577177	4,396427333	-0,06129033	0,958406546	F530104D19Rik	
17284519	6,121057	5,889256	5,99787	5,868427	5,984642	5,971249	6,0027277	5,941439333	-0,06128833	0,958407874	---	
17311064	4,655892	4,189627	4,655632	4,490403	4,266604	4,560298	4,5003837	4,439101667	-0,061282	0,958412082	Polr2k	
17289009	4,564005	4,368016	4,247787	4,505119	4,187864	4,302993	4,3932693	4,331992	-0,06127733	0,958415182	Hapln1	
17346926	5,334065	5,366962	5,425402	5,347272	5,293411	5,301993	5,3754763	5,314225333	-0,061251	0,958432676	C030034I22Rik	
17419411	12,45352	12,55779	12,52108	12,42813	12,52183	12,39868	12,510797	12,44954667	-0,06125	0,95843334	Snord99	
17515090	5,336391	5,068801	5,714972	5,270851	5,547426	5,118147	5,373388	5,312141333	-0,06124667	0,958435555	Icam5	
17301689	5,823384	5,873153	5,742008	5,919437	5,383896	5,951479	5,8128483	5,751604	-0,06124433	0,958437105	4930480K23Rik	
17438327	4,614239	3,815353	4,121196	4,308971	4,004701	4,053437	4,183596	4,122369667	-0,06122633	0,958449063	4930432L08Rik	
17299864	7,173591	7,090035	7,390329	7,267504	7,027688	7,175089	7,217985	7,156760333	-0,06122467	0,95845017	---	
17299941	7,173591	7,090035	7,390329	7,267504	7,027688	7,175089	7,217985	7,156760333	-0,06122467	0,95845017	---	
17488312	6,285835	6,259892	6,526415	6,33253	6,395163	6,160777	6,3573807	6,296156667	-0,061224	0,958450613	Map3k10	
17412879	6,262108	5,850592	6,194672	6,048454	6,185277	5,890001	6,1024573	6,0412244	-0,06121333	0,95845477	---	
17298942	3,620261	3,949107	4,187973	4,072646	3,868361	3,632698	3,9191137	3,857901667	-0,061212	0,958458585	---	
17322697	5,362242	5,331265	5,081099	5,245386	5,267268	5,078325	5,258202	5,196993	-0,061209	0,958460578	Gm15983	
17387940	3,9756	3,502226	4,294879	3,834292	4,03264	3,722158	3,924235	3,86303	-0,061205	0,958463236	Olfr1238	
17254019	4,633193	4,702702	4,732487	4,704086	4,607299	4,57339	4,6894607	4,628258333	-0,06120233	0,95846507	---	
17456969	5,096487	5,008501	5,320893	5,073374	4,986435	5,182485	5,1419603	5,080764667	-0,06119567	0,95846936	---	
17329692	8,928022	8,974882	8,761687	8,719641	9,003691	8,757689	8,888197	8,827007	-0,06119	0,958473201	Lsg1	
17403025	8,576604	8,764486	8,471205	8,617641	8,571998	8,439112	8,6040983	8,542917	-0,06118133	0,958478959	Lamtor3	
17236739	7,188306	7,182916	6,985661	6,88427	7,089831	7,199347	7,118961	7,057816	-0,061145	0,958503098	Ube2n	
17391883	6,228633	6,320363	6,378205	6,109673	6,460611	6,173532	6,309067	6,247938667	-0,06112833	0,958514171	Cenpb	
17490218	5,511314	5,568594	6,064689	5,468049	5,74443	5,748783	5,7148657	5,653754	-0,06111167	0,958525244	1700008O03Rik	
17477508	7,341592	7,165639	7,366719	7,097251	7,399529	7,193845	7,2913167	7,230208333	-0,06110833	0,958527459	Napsa	
17548486	6,299098	6,567606	6,710829	6,484682	6,463087	6,446452	6,5258443	6,464740333	-0,061104	0,958530338	---	
17279948	3,035664	2,999268	3,283921	3,165009	2,999268	2,97134	3,1062843	3,045205667	-0,06107867	0,95854717	---	
17423047	4,386347	4,22283	4,187074	4,126017	4,273826	4,213192	4,265417	4,204345	-0,061072	0,958551599	---	
17510563	8,417194	8,36603	8,381309	8,307773	8,365964	8,307583	8,3881777	8,327106667	-0,061071	0,958552264	Slc35e1	
17420139	5,996863	5,75837	5,77137	5,819256	5,770664	5,753477	5,842201	5,781132333	-0,06106867	0,958553814	Lactbl1	
17290865	7,190848	7,28692	7,292378	7,192823	7,152895	7,241254	7,2567153	7,195657333	-0,061058	0,958560901	Epdr1	
17486308	6,201151	6,398435	6,026968	6,258782	6,010805	6,173804	6,2088513	6,147797	-0,06105433	0,958563337	Zfp772 // Zfp772 // Zfp772 // Zfp772 // Zfp772	
17486384	6,201151	6,398435	6,026968	6,258782	6,010805	6,173804	6,2088513	6,147797	-0,06105433	0,958563337	Zfp772 // Zfp772 // Zfp772 // Zfp772	
17259401	7,544432	7,633639	7,472096	7,64185	7,39434	7,430854	7,5500557	7,489014667	-0,061041	0,958572196	Gcgr	
17445246	5,57881	5,641007	5,50359	5,514405	5,488883	5,536999	5,574469	5,513429	-0,06104	0,958572861	1700028E10Rik	
17547793	3,392328	3,399884	3,36039	3,245112	3,453525	3,270892	3,3842007	3,323176333	-0,06102433	0,95858327	Fam107a // Fam107a	
17202199	5,081486	5,132761	4,968842	4,846031	4,86748	5,286518	5,0610297	5,000009667	-0,06102	0,95858615	---	
17539574	4,729108	4,553615	4,812771	4,63592	4,610735	4,665819	4,698498	4,637491333	-0,06100667	0,958595009	Asb9	

17260438	5,337248	5,226922	5,728715	5,24444	5,486484	5,378943	5,4309617	5,369955667	-0,061006	0,958595452	---	
17476604	3,579136	3,21849	3,153833	3,206383	3,518507	3,043571	3,317153	3,256153667	-0,06099933	0,958599881	Abpe	
17547905	4,988692	4,959073	4,697111	4,929416	4,607517	4,924979	4,8816253	4,820637333	-0,060988	0,958607412	Gm20555	
17251634	4,205155	4,306497	4,650298	4,299424	4,504501	4,175115	4,3873167	4,326346667	-0,06097	0,958619372	A030009H04Rik	
17549268	3,8103	3,838196	4,087435	4,054986	3,801892	3,696184	3,911977	3,851020667	-0,06095633	0,958628453	---	
17305727	8,920043	9,124309	8,968915	8,89797	8,928334	9,004094	9,0044223	8,943466	-0,06095633	0,958628453	Gmfb	
17240945	11,3779	11,32974	11,29533	11,22261	11,32854	11,26897	11,334323	11,27337333	-0,06095	0,958632662	Serinc1	
17305945	3,674593	3,271707	3,013421	3,270892	3,23991	3,266078	3,319907	3,25896	-0,060947	0,958634655	Olfr731	
17290056	10,03908	10,00785	10,0268	10,09883	9,918004	9,874097	10,024577	9,963643667	-0,060933	0,958643958	Mocs2	
17238494	8,939584	8,85237	8,992091	8,8737	8,865285	8,862267	8,928015	8,867084	-0,060931	0,958645287	Smarcc2	
17459797	3,788486	3,376826	3,520549	3,479535	3,576991	3,446576	3,5619537	3,501034	-0,06091967	0,958652818	---	
17381791	4,470639	4,502906	4,517597	4,49992	4,435254	4,373265	4,4970473	4,436146333	-0,060901	0,958665221	Cubn	
17500532	7,940001	7,636314	8,115526	7,767263	7,816056	7,925831	7,8972803	7,836383333	-0,060897	0,958667879	Gm4889	
17206111	3,659459	3,777473	3,716684	3,681447	3,822936	3,466558	3,717872	3,656980333	-0,06089167	0,958671423	---	
17408184	7,011048	7,230575	7,123487	7,130185	7,10904	6,943226	7,1217033	7,060817	-0,06088633	0,958674967	Chd1l	
17307673	4,621245	4,696219	4,784919	4,841135	4,54329	4,535319	4,7007943	4,639914667	-0,06087967	0,958679397	Prss55	
17467269	6,613929	6,68381	6,496587	6,48554	6,494259	6,63195	6,5981087	6,537249667	-0,060859	0,958693131	Hpgds	
17431861	6,009468	5,931882	6,261147	6,027678	5,918395	6,073861	6,067499	6,006644667	-0,06085433	0,958696232	Nbl1	
17289790	3,379353	3,282105	3,13068	3,138445	3,237998	3,233192	3,264046	3,203211667	-0,06083433	0,958709522	Mir582	
17522761	8,634706	8,660082	8,554255	8,595574	8,511732	8,559284	8,6163477	8,55553	-0,06081767	0,958720598	Dync1li1	
17380868	4,465847	4,432244	4,48266	4,442254	4,432244	4,323821	4,4602503	4,399439667	-0,06081067	0,958725249	---	
17285875	3,423895	3,376842	3,52525	3,474082	3,26594	3,403572	3,4419957	3,381198	-0,06079767	0,958733888	Hist1h4b	
17291374	7,735221	7,937047	7,601667	7,725614	7,711009	7,654934	7,7579783	7,697185667	-0,06079267	0,958737211	Mrs2	
17421997	3,12127	3,015774	3,345809	3,132767	3,112182	3,055548	3,160951	3,100165667	-0,06078533	0,958742084	---	
17209813	5,959779	4,830215	6,043702	5,541157	5,633614	5,476642	5,611232	5,550471	-0,060761	0,958758255	---	
17520602	10,00564	10,48164	10,3748	10,24755	10,08872	10,34359	10,28736	10,22662	-0,06074	0,958772211	---	
17244215	2,993462	2,879577	3,006697	2,967719	2,837201	2,892614	2,959912	2,899178	-0,060734	0,958776199	Mir135a-2	
17500432	4,188994	4,426118	4,336309	4,27172	4,126562	4,370967	4,3171403	4,256416333	-0,060724	0,958782844	---	
17241849	6,722411	6,769551	6,813865	6,684415	6,714199	6,725042	6,768609	6,707885333	-0,06072367	0,958783066	Susd2	
17543281	5,211735	5,134394	5,469971	5,315587	5,124372	5,194018	5,2720333	5,211325667	-0,06070767	0,958793699	---	
17221236	10,56155	10,32345	10,67473	10,4766	10,49213	10,40888	10,51991	10,45920333	-0,06070667	0,958794364	---	
17342238	4,747737	4,489729	4,610126	4,614727	4,556459	4,494294	4,615864	4,55516	-0,060704	0,958796136	Tpsab1	
17227583	4,117974	4,408511	4,0252	4,399092	3,901237	4,069294	4,183895	4,123207667	-0,06068733	0,958807213	Gm5833 // Gm5833	
17318123	4,826432	5,091458	4,927823	4,902969	4,877936	4,882784	4,948571	4,887896333	-0,06067467	0,958815631	Ly6h	
17510793	8,664155	8,793536	8,614377	8,509395	8,644797	8,735888	8,6906893	8,630026667	-0,06066267	0,958823606	Smarca5	
17423631	4,526777	4,578225	4,998772	4,886912	4,605342	4,42954	4,701258	4,640598	-0,06066	0,958825378	Pou3f2	
17208439	6,535457	6,338883	6,614466	6,752103	6,580383	5,974343	6,4962687	6,435609667	-0,060659	0,958826043	---	
17330901	4,722481	4,479416	4,512828	4,716065	4,596992	4,21971	4,571575	4,510922333	-0,06065267	0,958830252	Ccdc54	
17215035	9,814479	9,866527	9,862766	9,765096	9,762685	9,834034	9,847924	9,787271667	-0,06065233	0,958830474	Psmd1	
17506095	4,14892	3,904163	4,245462	4,221738	4,054321	3,840533	4,099515	4,038864	-0,060651	0,95883136	Necab2	
17514143	5,217616	5,071307	5,474061	5,230829	5,104594	5,24563	5,254328	5,193684333	-0,06064367	0,958836234	---	
17467921	3,576264	3,41082	3,34888	3,466225	3,275987	3,411823	3,4453213	3,384678333	-0,060643	0,958836677	---	
17475221	8,073366	7,382452	7,552196	7,310053	7,488015	8,028027	7,669338	7,608698333	-0,06063967	0,958838892	---	
17256697	4,835558	4,97395	4,951594	4,940719	4,711752	4,926814	4,9203673	4,859761667	-0,06060567	0,958861489	Aoc3	
17538753	7,096506	7,366513	7,429241	6,893061	7,731467	7,085925	7,29742	7,236817667	-0,06060233	0,958863705	---	
17350591	5,35101	5,298956	5,347754	5,176997	5,33997	5,298956	5,3325733	5,271974333	-0,060599	0,95886592	Sncaip	
17216745	6,318724	5,969955	6,129795	5,983276	6,152606	6,10082	6,1394913	6,078900667	-0,06059067	0,958871459	Gpr39	
17550857	3,780408	3,348424	3,895235	3,573546	3,718038	3,550776	3,674689	3,61412	-0,060569	0,958885859	---	
17316153	7,647247	7,572882	7,819044	7,53674	7,854334	7,466424	7,6797243	7,619166	-0,06055833	0,958892949	Acot10	
17346401	4,294381	4,504293	4,457685	4,364623	4,36343	4,346675	4,4187863	4,358242667	-0,06054367	0,958902697	Acer1	
17262755	7,189531	7,153915	7,146818	7,337106	6,925717	7,045895	7,1634213	7,102906	-0,06051533	0,95892153	Slc22a5	
17239889	7,307241	7,36758	7,24253	7,241366	7,222543	7,271976	7,3057837	7,245295	-0,06048867	0,958939254	L3mbtl3	
17234474	3,214265	3,177356	3,357584	3,235556	3,208822	3,12337	3,249735	3,189249333	-0,06048567	0,958941248	---	
17267745	9,054213	8,970394	8,854385	8,853757	8,853861	8,990029	8,959664	8,899215667	-0,06044833	0,958966064	Tom1l1	
17212061	4,807707	4,710377	4,701762	4,770808	4,72447	4,543275	4,7399487	4,679517667	-0,060431	0,958977585	---	
17299575	10,04939	10,25356	9,558598	9,96198	9,753748	9,964636	9,9538493	9,893454667	-0,06039467	0,959001737	Rnase4	
17201553	3,008015	3,219107	3,30235	3,146058	3,217799	2,984531	3,1764907	3,116129333	-0,06036133	0,959023895	---	
17544271	3,947641	3,880524	3,766909	3,828146	3,699459	3,886403	3,8650247	3,804669333	-0,06035533	0,959027883	---	
17549670	5,168156	5,518079	5,458238	5,536167	5,192667	5,234637	5,381491	5,321157	-0,060334	0,959042065	---	
17223429	3,8753	4,002666	3,87959	3,79057	3,955553	3,830465	3,9191853	3,858862667	-0,06032267	0,959049599	Als2cr12	
17206635	4,305396	4,220537	4,548264	4,134677	4,298957	4,459605	4,3580657	4,297746333	-0,06031933	0,959051815	---	
17437570	5,926363	5,230763	5,725997	5,631509	5,407145	5,663536	5,6277077	5,567396667	-0,060311	0,959057354	G6pd2	
17203921	5,974833	4,666171	5,250617	5,330671	5,069546	5,310473	5,297207	5,236896667	-0,06031033	0,959057797	---	
17293013	3,997271	3,740957	3,760431	3,840805	3,883129	3,593795	3,8328863	3,772576333	-0,06031	0,959058019	Il9	
17467840	4,557948	4,63507	4,635996	4,456763	4,558585	4,632737	4,6096713	4,549361667	-0,06030967	0,959058241	Dnahc6	
17499376	7,065139	7,125589	7,18877	7,011929	7,185494	7,001173	7,1264993	7,066198667	-0,06030067	0,959064224	Upf3a	
17202693	3,783284	4,551501	3,631531	5,155624	3,511407	3,118386	3,988772	3,928472333	-0,06029967	0,959064888	---	
17216676	4,791675	4,984406	5,056818	4,874146	4,907366	4,870495	4,9442997	4,884002333	-0,06029733	0,959066439	En1	
17239136	5,303683	5,064063	5,364666	5,312265	5,06344	5,175849	5,2441373	5,183851333	-0,060286	0,959073974	---	
17437773	8,598642	8,613563	8,556809	8,544162	8,484575	8,559424	8,5896713	8,529387	-0,06028433	0,959075082	Lias	
17207035	4,488944	5,204262	5,225732	5,050679	4,944335	4,743086	4,9729793	4,9127	-0,06027933	0,959078405	---	
17515058	7,099432	7,524864	6,974691	7,166854	7,132763	7,118534	7,1996623	7,139383667	-0,06027867	0,959078849	Ppan	
17254589	3,365517	3,359715	3,322233	3,28152	3,385031	3,200088	3,349155	3,288879667	-0,06027533	0,959081065	---	
17526850	6,48285	6,491792	6,040929	6,304203	6,103944	6,426636	6,3385237	6,278261	-0,06026267	0,959089485	AU019823	
17204681	6,494455	6,673396	6,820866	6,579928	6,980446	6,247564	6,6629057	6,602646	-0,06025967	0,95909148	---	
17347873	4,983281	4,870992	5,225827	4,739069	5,115294	5,044969	5,0267	4,966444	-0,060256	0,959093917	2010106C02Rik	
17234612	6,181846	6,106441	6,110569	6,292513	5,802648	6,122936	6,132952	6,072699	-0,060253	0,959095912	Slc19a1	
17549536	6,331679	6,221151	5,961046	6,219438	6,169702	5,944077	6,171292	6,111072333	-0,06021967	0,959118072	---	
17549700	6,331679	6,221151	5,961046	6,219438	6,169702	5,944077	6,171292	6,111072333	-0,06021967	0,959118072	---	
17206029	7,205654	7,271841	7,822532	7,501699	7,341815	7,275895	7,4333423	7,373136333	-0,060206	0,959127157	---	
17257310	7,943621	8,108206	8,178932	7,895906	8,012306	8,141943	8,0769197	8,016718333	-0,06020133	0,95913026	Mettl2	
17233078	9,772383	9,603682	9,545717	9,543721	9,631796	9,565666	9,640594	9,580394333	-0,06019967	0,959131368	Prep	
17365778	8,871667	8,99826	8,880063	8,911452	8,793645	8,864309	8,9166633	8,856468667	-0,06019467	0,959134692	Zdhhc6	
17287760	9,27873	9,23509	9,331913	9,244815	9,244012	9,176324	9,281911	9,221717	-0,060194	0,959135135	B230219D22Rik	
17364078	2,880431	3,415751	2,875561	2,909931	3,03374	3,047503	3,0572477	2,997058	-0,06018967	0,959138016	---	
17548123	6,053607	6,394137	5,576318	5,655888	5,954821	6,232791	6,0080207	5,947833333	-0,06018733	0,959139567	Ehd1 // Ehd1	
17549382	5,707328	5,440548	5,794971	5,677482	5,466503	5,61833	5,6476157	5,587438333	-0,06017733	0,959146216	---	
17549766	5,707328	5,440548	5,794971	5,677482	5,466503	5,61833	5,6476157	5,587438333	-0,06017733	0,959146216	---	
17508787	6,147222	6,66956	6,111255	6,303614	6,361327	6,082576	6,3093457	6,249172333	-0,06017333	0,959148875	Lonrf1	
17209739	5,309405	5,000091	5,350705	5,146996	5,244724	5,087979	5,220067	5,159899667	-0,06016733	0,959152864	---	
17317309	5,134511	5,036155	4,662776	5,000099	4,759237	4,89361	4,9444807	4,884315333	-0,06016533	0,959154194	Ube2d4	
17377038	4,177948	4,349173	4,411467	4,027868	4,340034	4,390202	4,3128627	4,252701333	-0,06016133	0,959156853	---	
17529367	6,584946	6,456143	6,423302	6,660899	6,399038	6,223978	6,4881303	6,427971667	-0,06015867	0,959158626	Ube2cbp	
17337349	6,796757	6,917566	6,767435	6,704915	6,919137	6,677243	6,8272527	6,767098333	-0,06015433	0,959161507	Gnl1	
17202125	4,044283	3,350354	3,117302	3,626333	3,352163	3,352985	3,5039797	3,443827	-0,06015267	0,959162615	---	
17401414	3,355701	3,314362	3,358314	3,262534	3,208386	3,37709	3,3427923	3,28267	-0,06012233	0,959182782	Gm5547	
17222411	4,699536	4,535319	4,612885	4,509061	4,718226	4,440093	4,6159133	4,555793333	-0,06012	0,959184333	Lyg2	
17228701	4,019975	3,247244	3,63935	3,668074	3,34753	3,710605	3,635523	3,575403	-0,06012	0,959184333	---	
17438759	4,423581	4,433634	4,590054	4,432336	4,456715	4,377859	4,482423	4,422303333	-0,06011967	0,959184555	Ambn	
17513006	7,069453	7,28686	7,605064	7,529014	6,74229	7,50973	7,320459	7,260344667	-0,06011433	0,959188101	Mir3473d // Mir3473d	
17227401	5,562408	5,425757	5,277054	5,608205	5,291997	5,184676	5,4217397	5,361626	-0,06011367	0,959188544	Igfn1	
17548244	6,629769	6,643242	6,688522	6,702091	6,475416	6,603688	6,6538443	6,593731667	-0,06011267	0,959189209	Gm19816	
17285559	7,716351	7,703218	7,408135	7,606589	7,567864	7,472947	7,6092347	7,549133333	-0,06010133	0,959196744	Elmo1	
17400732	7,048913	7,088053	7,114846	7,052051	6,973973	7,045521	7,0839373	7,023848333	-0,060089	0,959204944	Pdzk1	
17288425	4,47816	4,305531	4,3854	4,353	4,299885	4,33597	4,389697	4,329618333	-0,06007867	0,959211814	4930520P13Rik // 4930520P13Rik	
17428803	8,823681	8,945229	8,983017	8,788902	8,92817	8,854689	8,917309	8,857253667	-0,06005533	0,959227328	Kif2c	
17208215	7,350724	7,104599	7,798984	7,761723	7,005869	7,306563	7,4181023	7,358051667	-0,06005067	0,959230431	---	
17385483	8,474055	8,58612	8,51783	8,472709	8,403061	8,522117	8,5260017	8,465962333	-0,06003933	0,959237967	Mrps18b // Mrps18b	
17547561	4,176893	4,241745	4,24938	4,053007	4,230715	4,204199	4,2226727	4,162640667	-0,060032	0,959242842	Gm10744	
17428116	8,828568	8,831988	8,667733	8,805526	8,642483	8,700197	8,7760963	8,716068667	-0,06002767	0,959245724	Btf3l4	
17354132	4,806303	4,557827	4,693132	4,712118	4,485736	4,679335	4,685754	4,625729667	-0,06002433	0,95924794	Jakmip2	
17508766	8,819069	9,029676	8,787565	8,61593	8,887423	8,952888	8,87877	8,818747	-0,060023	0,959248826	Eri1	
17205735	5,902221	5,255586	6,229151	5,632461	6,057333	5,517185	5,7956527	5,735659667	-0,059993	0,959268774	---	
17300151	5,03976	4,856674	5,13847	5,062331	4,660626	5,131981	5,0116347	4,951646	-0,05998867	0,959271655	---	
17371460	7,008256	7,206712	7,19227	7,02048	7,032558	7,174307	7,135746	7,075781667	-0,05996433	0,959287835	Ppig	
17353131	7,293687	7,434027	7,36769	7,163695	7,36539	7,386433	7,3651347	7,305172667	-0,059962	0,959289386	Ino80c	
17424952	6,600697	6,54542	6,012039	6,269939	6,335266	6,373083	6,386052	6,326096	-0,059956	0,959293376	Shb	
17327491	6,928218	6,739963	6,875032	6,797862	6,613893	6,951597	6,8477377	6,787784	-0,05995367	0,959294927	Wrb	
17217566	7,276267	7,581746	7,647298	7,251873	7,589389	7,484243	7,5017703	7,441835	-0,05993533	0,959307118	Ptpn7	
17206867	6,931682	6,99193	6,935072	6,559625	7,062689	7,056573	6,9528947	6,892962333	-0,05993233	0,959309113	---	
17495812	4,442019	4,694199	4,502243	4,33145	4,527763	4,599499	4,5461537	4,486237333	-0,05991633	0,959319752	9030407P20Rik	
17548987	8,403605	8,534822	8,563901	8,635494	8,162622	8,524469	8,500776	8,440861667	-0,05991433	0,959321082	2810025M15Rik // 2810025M15Rik	
17547666	5,022217	4,966687	5,073731	4,803261	5,075397	5,004238	5,0208783	4,960965333	-0,059913	0,959321968	Synj2bp // Synj2bp	
17524022	4,939366	4,824738	4,83193	4,693431	4,950302	4,772591	4,8653447	4,805441333	-0,05990333	0,959328396	Kdm4d	
17481606	5,193015	5,640791	5,0932	5,04702	5,346598	5,353687	5,309002	5,249101667	-0,05990033	0,959330391	Olfr481	
17252282	5,169522	4,967333	4,963843	5,089472	4,947724	4,883816	5,033566	4,973670667	-0,05989533	0,959333716	9230020A06Rik	
17251091	4,575487	3,877699	4,122266	4,16713	4,083563	4,145087	4,1918173	4,131926667	-0,05989067	0,959336819	Myh4	
17291070	2,846766	2,888288	2,890938	2,916554	2,859246	2,670567	2,8753307	2,815455667	-0,059875	0,959347237	Vmn1r192	
17200283	6,610086	6,603741	6,999856	6,961861	6,665769	6,406447	6,7378943	6,678025667	-0,05986867	0,959351448	---	
17360532	4,862053	4,720337	4,730398	4,728275	4,662341	4,742582	4,7709293	4,711066	-0,05986333	0,959354995	Ppnr	
17467799	9,504071	9,528714	9,321481	9,358419	9,472128	9,344136	9,451422	9,391561	-0,059861	0,959356546	Tgoln1	
17492474	4,623921	4,102623	4,589643	4,454148	4,443478	4,23898	4,438729	4,378868667	-0,05986033	0,95935699	LOC100859962	
17204565	4,972454	4,821065	5,255853	4,887525	5,014805	4,967523	5,0164573	4,956617667	-0,05983967	0,959370733	---	
17437790	10,17709	10,2257	9,986734	10,00449	10,07015	10,13539	10,129841	10,07001	-0,05983133	0,959376274	Ube2k	

17350869	10,00385	9,935898	9,967327	9,888481	9,90917	9,929955	9,969025	9,909202	-0,059823	0,959381816	Isoc1	
17205493	3,110754	3,621179	3,719474	3,593455	3,258419	3,42007	3,4838023	3,423981333	-0,059821	0,959383146	---	
17269167	3,635662	3,068658	3,170304	3,541903	3,052404	3,100886	3,2915413	3,231731	-0,05981033	0,959390239	Krtap4-2	
17452709	5,558129	5,569256	5,825123	5,546298	5,488317	5,738469	5,650836	5,591028	-0,059808	0,959391791	Gpr81	
17414529	3,631214	3,575187	3,54296	3,640862	3,544081	3,38502	3,5831203	3,523321	-0,05979933	0,959397554	---	
17333891	5,535344	5,457184	5,709298	5,730488	5,254192	5,53777	5,5672753	5,507483333	-0,059792	0,959402431	Gm7736	
17487884	8,231395	8,340862	8,272853	8,17221	8,169497	8,324029	8,2817033	8,221912	-0,05979133	0,959402874	Gsk3a	
17419880	6,037012	6,431498	5,7582	5,954801	5,952087	6,140455	6,07557	6,015781	-0,059789	0,959404426	Il28ra	
17354290	7,877037	7,978379	7,999079	7,815615	7,968225	7,891331	7,9514983	7,891723667	-0,05977467	0,959413958	Atg12	
17548104	6,22498	6,232244	6,244391	6,051695	6,195802	6,274848	6,2338717	6,174115	-0,05975667	0,959425928	Hps1 // Hps1	
17423713	10,04407	9,983738	9,942791	9,861278	9,927875	10,00219	9,9901997	9,930447667	-0,059752	0,959429031	Manea	
17341378	8,377305	8,556589	8,314493	8,276306	8,418457	8,37441	8,416129	8,356391	-0,059738	0,959438342	Zfp942	
17467575	8,563107	8,548875	8,589908	8,444487	8,540609	8,537592	8,5672967	8,507562667	-0,059734	0,959441002	Thnsl2	
17267996	6,144834	6,009763	6,325939	6,068124	6,150511	6,082749	6,1601787	6,100461333	-0,05971733	0,959452086	Rsad1	
17440768	6,252073	6,471289	6,270978	6,42063	6,121104	6,273492	6,3314467	6,271742	-0,05970467	0,95946051	Selplg // Selplg	
17340401	3,388205	3,391877	3,438569	3,305486	3,354524	3,379528	3,406217	3,346512667	-0,05970433	0,959460732	---	
17250500	5,198455	5,471751	5,461708	5,485654	5,165635	5,301569	5,3773047	5,317619333	-0,05968533	0,959473368	Smcr7	
17459126	4,086833	4,143066	4,005624	4,050062	3,900853	4,105576	4,0785077	4,018830333	-0,05967733	0,959478688	Grid2	
17355139	6,129178	5,971542	5,719677	5,837227	6,045513	5,758637	5,9401323	5,880459	-0,05967333	0,959481348	Gm19784	
17311945	8,743933	8,940074	8,710896	8,711277	8,767248	8,737373	8,798301	8,738632667	-0,05966833	0,959484674	Phf20l1	
17315133	6,033486	5,90772	6,184865	5,951745	5,90696	6,088364	6,0420237	5,982356333	-0,05966733	0,959485339	Acvrl1	
17228099	3,858328	3,618736	3,937445	3,479591	4,11417	3,641779	3,8048363	3,74518	-0,05965633	0,959492654	---	
17549120	5,157488	4,884863	5,252524	5,057095	5,104098	4,954789	5,0982917	5,038660667	-0,059631	0,959509503	---	
17549122	5,157488	4,884863	5,252524	5,057095	5,104098	4,954789	5,0982917	5,038660667	-0,059631	0,959509503	---	
17305221	10,95199	11,25617	10,79478	11,09865	10,61061	11,11479	11,00098	10,94135	-0,05963	0,959510168	5730469M10Rik	
17318426	3,297892	3,230088	3,338579	3,480487	3,00861	3,198601	3,288853	3,229232667	-0,05962033	0,959516597	Mir3079 // Mir3079	
17438980	3,857524	3,611028	3,93507	3,74521	3,816995	3,662564	3,8012073	3,741589667	-0,05961767	0,959518371	Cxcl15	
17519972	8,312214	8,368467	8,156311	8,297568	8,312873	8,047702	8,2789973	8,219381	-0,05961633	0,959519258	Dopey1	
17354074	3,949233	3,638976	3,91822	3,923326	3,592091	3,81217	3,8354763	3,775862333	-0,059614	0,959520809	Gpr151	
17515523	10,88233	11,00512	10,78551	10,73053	10,8707	10,89304	10,890987	10,83142333	-0,05956333	0,959554508	Sept7	
17415401	3,732356	3,803554	3,572322	3,476754	3,945514	3,507284	3,702744	3,643184	-0,05956	0,959556725	Dmrta1	
17410984	5,287105	5,041559	5,684899	5,380469	5,244901	5,20955	5,3378543	5,278306667	-0,05954767	0,959564928	Wdr63	
17221993	5,1387	4,87851	4,859681	4,829743	4,903327	4,965234	4,9589637	4,899434667	-0,059529	0,959577344	Gm9839	
17422688	4,305548	4,225253	4,295377	4,217489	4,184323	4,24584	4,2753927	4,215884	-0,05950867	0,959590868	Tmem88b // Tmem88b	
17492280	7,320281	7,331643	7,221175	6,90929	7,422201	7,363095	7,291033	7,231528667	-0,05950433	0,95959375	Mrpl46	
17206703	5,319763	5,950127	5,723084	5,999893	5,614671	5,199934	5,6643247	5,604832667	-0,059492	0,959601954	---	
17201397	8,731126	8,087269	8,918937	8,76635	7,962986	8,829527	8,5791107	8,519621	-0,05948967	0,959603506	---	
17295233	11,13111	11,02879	11,01192	11,09434	10,76497	11,13406	11,057273	10,99779	-0,05948333	0,959607718	Hmgcr	
17294562	4,514907	4,446708	4,59374	4,369109	4,446797	4,561039	4,5184517	4,458981667	-0,05947	0,959616587	Gm4211	
17217380	11,96206	12,30575	12,17637	12,00588	12,06898	12,19092	12,14806	12,08859333	-0,05946667	0,959618804	Gm8618	
17311145	3,127322	3,181019	3,005308	2,95957	3,017952	3,157775	3,1045497	3,045099	-0,05945067	0,959629447	---	
17293309	4,029524	3,863075	4,047968	3,777989	4,019942	3,964336	3,980189	3,920755667	-0,05943333	0,959640976	Gm19866	
17540610	4,002492	3,857406	3,992236	3,835681	4,141124	3,697047	3,9507113	3,891284	-0,05942733	0,959644967	---	
17223811	6,124907	5,736361	6,169369	6,004487	5,91892	5,928965	6,0102123	5,950790667	-0,05942167	0,959648737	---	
17500380	4,967305	5,076531	4,999899	4,993545	4,930273	4,941685	5,0145783	4,955167667	-0,05941067	0,959656054	Dusp26	
17480515	4,67722	4,597957	4,758823	4,517524	4,402877	4,935401	4,678	4,618600667	-0,05939933	0,959663592	Mtap6	
17467310	4,837413	4,812473	4,978957	4,846625	4,761511	4,842675	4,876281	4,816937	-0,059344	0,9597004	Gng12	
17467435	5,411658	5,360312	5,365375	5,673345	4,630495	5,655477	5,379115	5,319772333	-0,05934267	0,959701287	Igkv4-70	
17221238	9,216799	9,355032	8,861671	9,055793	9,273847	8,925866	9,1445007	9,085168667	-0,059332	0,959708383	---	
17479162	7,867354	8,100947	7,689186	7,787311	7,8895	7,802763	7,885829	7,826524667	-0,05930433	0,959726787	Kansl2 // Kansl2	
17365714	11,10794	11,21072	11,09873	11,08931	11,07081	11,07938	11,13913	11,07983333	-0,05929667	0,959731888	Nutf2 // Nutf2	
17361558	7,301844	7,490489	7,31359	7,461319	7,272248	7,194512	7,368641	7,309359667	-0,05928133	0,959742088	Sart1	
17542965	3,358071	3,359842	3,798086	3,571578	3,354766	3,411831	3,505333	3,446058333	-0,05927467	0,959746523	---	
17461157	4,204879	3,981984	3,974903	4,019096	3,938195	4,026665	4,053922	3,994652	-0,05927	0,959749627	---	
17273751	8,510896	8,575497	8,452438	8,413498	8,506539	8,440997	8,5129437	8,453678	-0,05926567	0,95975251	Itsn2	
17396593	10,16301	10,25765	10,15412	10,04158	10,18468	10,17076	10,191593	10,13234	-0,05925333	0,959760715	Sec62	
17419407	8,312532	7,674573	8,227943	7,929435	8,28945	7,818403	8,0716827	8,012429333	-0,05925333	0,959760715	Snora44	
17277552	6,244352	6,563332	6,56694	6,10605	6,479112	6,611745	6,458208	6,398969	-0,059239	0,95977025	2310044G17Rik	
17529222	3,717828	3,662727	3,800283	3,630837	3,801461	3,570876	3,726946	3,667724667	-0,05922133	0,959782003	Mei4	
17329450	3,131364	3,095344	3,231855	3,101652	3,229301	2,949955	3,1528543	3,093636	-0,05921833	0,959783999	---	
17216133	5,071932	5,074108	4,837768	4,915952	4,799132	5,091089	4,9946027	4,935391	-0,05921167	0,959788434	Gm6086	
17223852	4,22237	4,441869	4,841665	4,436764	4,327282	4,564309	4,501968	4,442785	-0,059183	0,959807506	D630023F18Rik	
17383985	5,383239	5,252741	5,407008	5,185535	5,182053	5,497908	5,3476627	5,288498667	-0,059164	0,959820146	Ttc16	
17230873	3,664238	3,855898	4,247615	3,832882	4,003251	3,75417	3,9225837	3,863434333	-0,05914933	0,959829904	9330162B11Rik	
17450904	3,212507	3,347263	3,070792	3,101084	3,259941	3,092114	3,2101873	3,151046333	-0,059141	0,959835448	Vmn2r14	
17284417	3,942789	3,828917	3,513095	3,513741	3,877743	3,715899	3,7616003	3,702461	-0,05913933	0,959836557	---	
17238663	2,953856	3,064675	3,270892	3,04803	3,185259	2,878752	3,0964743	3,037347	-0,05912733	0,959844541	Olfr784	
17366874	6,07118	5,831348	5,616458	5,875867	5,798221	5,667545	5,839662	5,780544333	-0,05911767	0,959850972	Mir669k	
17494714	3,674708	3,430081	3,804238	3,546124	3,678728	3,506842	3,6363423	3,577231333	-0,059111	0,959855408	Olfr710	
17366890	3,36395	3,179831	3,051266	3,193144	3,02949	3,195099	3,198349	3,139244333	-0,05910467	0,959859621	---	
17476951	5,518648	5,292804	5,521179	5,695694	5,279328	5,180299	5,4442103	5,385107	-0,05910333	0,959860508	Gm5592	
17446688	5,892527	5,794143	5,868143	5,671129	5,880766	5,825725	5,8516043	5,79254	-0,05906433	0,959886456	Otof	
17545588	4,021301	3,189887	3,107689	3,549896	3,362759	3,229056	3,4396257	3,380570333	-0,05905533	0,959892444	1700042B14Rik // 1700042B14Rik	
17540050	9,958501	9,908319	9,994882	10,026	9,842465	9,816095	9,9539007	9,894853333	-0,05904733	0,959897767	Ebp	
17419272	6,415971	6,331963	6,595345	6,472004	6,412296	6,281898	6,4477597	6,388732667	-0,059027	0,959911296	---	
17299514	3,866013	3,495113	3,476358	3,573096	3,408059	3,679265	3,6124947	3,553473333	-0,05902133	0,959915067	---	
17361385	6,423774	6,235319	6,051783	6,175424	6,139304	6,219116	6,2369587	6,177948	-0,05901067	0,959922164	Bbs1	
17528350	6,375506	6,333986	6,31582	6,328899	6,119372	6,400018	6,3417707	6,282763	-0,05900767	0,95992416	Fbxl22	
17528245	2,991163	2,686863	3,182151	3,080043	2,967721	2,635523	2,9533923	2,894429	-0,05896333	0,959953658	Rnu5g // Rnu5g // Rnu5g // Rnu5g	
17398430	9,523517	9,716026	9,342515	9,455227	9,511986	9,438003	9,5273527	9,468405333	-0,05894733	0,959964305	Ctso	
17407522	5,915346	5,720922	5,829778	5,601172	5,827453	5,860604	5,8220153	5,763076333	-0,058939	0,95996985	Tdpoz5	
17407529	5,915346	5,720922	5,829778	5,601172	5,827453	5,860604	5,8220153	5,763076333	-0,058939	0,95996985	Tdpoz5	
17549374	3,88385	4,019254	3,925685	3,987609	3,807312	3,857084	3,9429297	3,884001667	-0,058928	0,959977169	---	
17549750	3,88385	4,019254	3,925685	3,987609	3,807312	3,857084	3,9429297	3,884001667	-0,058928	0,959977169	---	
17247635	4,146292	4,241611	4,048981	4,069039	4,079058	4,112013	4,145628	4,086703333	-0,05892467	0,959979387	Gm12052	
17354891	3,621372	3,291427	3,237462	3,22574	3,437879	3,309906	3,3834203	3,324508333	-0,058912	0,959987816	Spink13	
17529842	3,232023	3,536725	3,181987	3,283064	3,444558	3,046381	3,3169117	3,258001	-0,05891067	0,959988703	---	
17474322	3,374291	3,338227	3,429832	3,437532	3,309125	3,218984	3,3807833	3,321880333	-0,058903	0,959993804	Ceacam13	
17237094	5,483321	5,391541	5,508869	5,388081	5,406235	5,412779	5,4612437	5,402365	-0,05887867	0,960009996	Ppfia2	
17235249	6,757051	6,92183	7,008451	6,78658	6,881938	6,842184	6,8957773	6,836900667	-0,05887667	0,960011327	Mum1	
17331232	3,256763	3,492426	3,234042	3,265719	3,264828	3,276061	3,3277437	3,268869333	-0,05887433	0,96001288	Olfr180	
17266315	5,955923	5,407423	6,120288	5,828541	5,863608	5,614863	5,827878	5,769004	-0,058874	0,960013102	Gm11190	
17453541	5,569973	5,675519	5,598485	5,414564	5,671828	5,580965	5,614659	5,555785667	-0,05887333	0,960013545	Fzd9	
17497055	11,90069	12,00709	12,03294	11,95645	11,92605	11,88161	11,98024	11,92137	-0,05887	0,960015763	Rpl7a	
17378898	4,262631	4,198266	4,388039	4,178105	4,169993	4,324255	4,2829787	4,224117667	-0,058861	0,960021752	Adig	
17440569	5,684597	5,577338	5,614117	5,521653	5,60433	5,573524	5,6253507	5,566502333	-0,05884833	0,960030181	Gm15559	
17323649	5,367689	5,259966	5,299001	5,173711	5,310105	5,266316	5,3088853	5,250044	-0,05884133	0,960034839	Rtn4r	
17404011	6,787305	6,561318	6,633246	6,568697	6,573685	6,663006	6,660623	6,601796	-0,058827	0,960044377	Hey1	
17345317	7,776785	7,832342	8,277896	7,981862	7,624537	8,104186	7,962341	7,903528333	-0,05881267	0,960053916	---	
17279198	7,539336	7,600666	7,42599	7,446152	7,369061	7,574343	7,5219973	7,463185333	-0,058812	0,960054359	2810002N01Rik	
17208541	7,648639	7,373779	7,655984	7,296751	7,909024	7,296208	7,5594673	7,500661	-0,05880633	0,96005813	---	
17235757	6,048572	6,077539	5,795797	6,053237	5,745151	5,947102	5,9739693	5,915163333	-0,058806	0,960058352	Tle2	
17532623	11,1102	11,42732	11,36594	11,13914	11,28514	11,30278	11,301153	11,24235333	-0,0588	0,960062345	---	
17234852	4,225442	3,585483	3,671541	3,814631	3,735894	3,755544	3,8274887	3,768689667	-0,058799	0,96006301	Olfr1353	
17391089	6,698861	6,432623	6,610027	6,585015	6,587177	6,39296	6,5805037	6,521717333	-0,05878633	0,960071439	Slc27a2	
17293557	11,77885	11,80991	11,85621	11,72749	11,69928	11,84186	11,81499	11,75621	-0,05878	0,960075654	Fbp1	
17326005	2,882872	3,452585	3,27995	2,994037	3,078618	3,366416	3,2051357	3,146357	-0,05877867	0,960076541	---	
17390806	5,587632	5,053581	5,703966	5,630551	5,09967	5,438665	5,448393	5,389628667	-0,05876433	0,96008608	---	
17514328	11,94556	12,02637	11,52491	11,92531	11,69313	11,70214	11,83228	11,77352667	-0,05875333	0,9600934	---	
17362904	4,598458	4,561949	4,6655	4,534262	4,530263	4,585147	4,6086357	4,549890667	-0,058745	0,960098946	Ms4a13	
17303008	6,004749	5,835012	5,59246	5,753106	5,642229	5,860651	5,8107403	5,751995333	-0,058745	0,960098946	---	
17429454	7,768455	8,040983	7,854557	7,804796	7,875754	7,80724	7,8879983	7,829263333	-0,058735	0,960105601	Ctps	
17422629	7,908547	7,899899	7,766321	7,799014	7,81305	7,786512	7,8582557	7,799525333	-0,05873033	0,960108707	Cdk11b	
17201313	3,185851	2,67388	3,046314	2,870655	3,104269	2,754935	2,9686817	2,909953	-0,05872867	0,960109816	---	
17429596	3,9286	3,827738	3,710833	3,956447	3,958916	3,375669	3,8223903	3,763677333	-0,058713	0,960120242	---	
17399843	3,97089	3,904503	3,664485	3,772811	3,796994	3,793938	3,846626	3,787914333	-0,05871167	0,960121129	4930529C04Rik	
17302056	4,254417	4,357163	4,557713	4,377244	4,330541	4,285439	4,3897643	4,331074667	-0,05868967	0,96013577	Kctd4	
17549842	5,561624	5,439705	5,629843	5,394242	5,567742	5,493122	5,543724	5,485035333	-0,05868867	0,960136436	---	
17216158	7,383121	7,166407	7,436516	7,240774	7,30044	7,268768	7,3286813	7,269994	-0,05868733	0,960137323	Fam174a	
17413787	3,72464	4,077647	3,943583	3,808457	3,850885	3,910477	3,91529	3,856606333	-0,05868367	0,960139764	---	
17279154	12,40456	12,28791	12,40983	12,27469	12,38916	12,26244	12,367433	12,30876333	-0,05867	0,960148859	---	
17506418	8,152246	8,2954	8,325279	8,108001	8,294293	8,194622	8,2576417	8,198972	-0,05866967	0,960149081	Cdt1	
17292543	4,28293	4,864492	5,007211	4,378499	4,850026	4,750126	4,718211	4,659550333	-0,05866067	0,960155071	Hist1h2al	
17399887	3,058259	2,888958	3,142906	2,989384	2,970952	2,953818	3,030041	2,971384667	-0,05865633	0,960157955	Sprr2i	
17361463	9,684667	9,699001	9,715915	9,697821	9,59938	9,626462	9,699861	9,641221	-0,05864	0,960168825	Rab1b	
17515952	7,612526	7,752915	7,67269	7,530171	7,744836	7,587214	7,679377	7,620740333	-0,05863667	0,960171043	Pus3	
17315635	8,140877	8,116485	8,086184	8,040139	7,970414	8,157104	8,1145153	8,055885667	-0,05862967	0,960175702	Ghr	
17404993	4,479184	4,593665	4,854941	4,432323	4,808527	4,511091	4,6425967	4,583980333	-0,05861633	0,960184576	Gm10731	
17322039	4,58774	5,159222	4,542834	4,64052	4,829001	4,644438	4,7632653	4,704653	-0,05861233	0,960187238	Krt1	
17547761	3,202106	3,189411	3,42345	3,265347	3,208435	3,165401	3,2716557	3,213061	-0,05859467	0,960198996	Gm20311	
17240269	5,946902	5,948745	6,085862	5,93633	5,940749	5,928656	5,9938363	5,935245	-0,05859133	0,960201215	E130307A14Rik	
17502908	3,565955	3,583389	3,88819	3,553819	3,670299	3,637675	3,679178	3,620597667	-0,05858033	0,960208536	4933434I20Rik	
17296565	5,587367	5,949385	5,563685	5,832881	5,881309	5,210568	5,7001457	5,641586	-0,05855967	0,960222291	Gm2888	
17427725	3,018262	3,486027	3,336092	3,103693	3,334635	3,226411	3,280127	3,221579667	-0,05854733	0,9602305	---	

17500535	5,976296	5,608593	5,966426	5,759759	5,848292	5,767644	5,8504383	5,791898333	-0,05854	0,960235381	Dusp4	
17438597	4,19131	4,042069	4,157677	3,988328	3,935038	4,292105	4,130352	4,071823667	-0,05852833	0,960243146	---	
17298906	3,246068	3,143568	3,075983	3,091095	3,109554	3,089406	3,1552063	3,096685	-0,05852133	0,960247805	---	
17343070	5,549296	5,677997	5,801336	5,573713	5,653401	5,625983	5,6762097	5,617699	-0,05851067	0,960254905	0610038L08Rik	
17405458	6,093547	6,076426	5,865384	6,035864	5,667441	6,156526	6,0117857	5,953277	-0,05850867	0,960256236	Gpr171	
17207613	5,399765	5,976947	5,303428	5,099929	6,028733	5,375963	5,5600467	5,501541667	-0,058505	0,960258677	---	
17220051	6,600282	6,618318	6,584906	6,512924	6,50851	6,606561	6,6011687	6,542665	-0,05850367	0,960259564	---	
17263423	7,639359	7,818928	7,785947	7,669273	7,820756	7,578738	7,748078	7,689589	-0,058489	0,960269326	Zkscan17	
17257063	10,37381	10,26482	10,43186	10,31431	10,19694	10,3838	10,35683	10,29835	-0,05848	0,960275317	---	
17323705	3,663792	3,464375	3,521414	3,4814	3,486006	3,506737	3,5498603	3,491381	-0,05847933	0,960275761	---	
17436999	5,759993	5,955643	6,265855	5,970359	5,897234	5,93847	5,9938303	5,935354333	-0,058476	0,960277979	Crmp1	
17468157	7,580173	7,532831	7,652551	7,571682	7,560237	7,458242	7,5885183	7,530053667	-0,05846467	0,960285523	Tet3	
17206395	4,238546	4,224026	4,15993	4,251625	3,981912	4,213602	4,2075007	4,149046333	-0,05845433	0,960292401	---	
17273191	5,441754	5,952319	5,486276	5,422966	5,747386	5,534658	5,626783	5,568336667	-0,05844633	0,960297726	Alyref	
17436507	9,065877	9,09645	9,049335	8,955579	9,028638	9,052113	9,070554	9,01211	-0,058444	0,960299279	Whsc1	
17499949	5,450287	5,453667	5,413289	5,399961	5,404559	5,337435	5,439081	5,380651667	-0,05842933	0,960309042	Dkk4	
17446828	5,741045	5,447674	5,555646	5,659605	5,559138	5,350344	5,581455	5,523029	-0,058426	0,960311261	Trim54	
17215561	5,10534	4,653196	5,147349	4,986446	4,69482	5,049364	4,9686283	4,91021	-0,05841833	0,960316364	1700067G17Rik // 1700067G17Rik	
17270783	8,891235	9,115868	8,999195	8,903733	9,10309	8,824232	9,0020993	8,943685	-0,05841433	0,960319027	Ftsj3	
17464429	7,532063	7,729136	7,625765	7,456243	7,682165	7,573369	7,628988	7,570592333	-0,05839567	0,960331452	Ccdc91	
17265853	9,433122	9,464825	9,393971	9,300429	9,340967	9,475361	9,4306393	9,372252333	-0,058387	0,960337221	Pafah1b1	
17346001	7,180883	7,203957	7,00708	6,879978	7,244029	7,092791	7,13064	7,072266	-0,058374	0,960345874	---	
17224546	4,983169	5,005434	4,987954	5,094445	4,831038	4,875973	4,9921857	4,933818667	-0,058367	0,960350534	A630095N17Rik	
17201111	5,088993	5,901616	5,775197	5,367387	5,620472	5,602858	5,588602	5,530239	-0,058363	0,960353197	---	
17245624	10,28731	10,33228	10,38397	10,18629	10,30374	10,33847	10,33452	10,27616667	-0,05835333	0,960359632	Usp15	
17438995	5,889053	6,037611	6,029682	6,079282	5,958392	5,743621	5,9854487	5,927098333	-0,05835033	0,960361629	Cxcl2	
17205335	3,808454	4,750706	4,348273	4,355019	4,35352	4,023875	4,3024777	4,2441138	-0,05833967	0,960368729	---	
17499780	4,98529	5,043895	4,992468	4,911412	4,92157	5,013667	5,0072177	4,948883	-0,05833467	0,960372057	Gm14850	
17383610	5,789909	5,365144	5,908165	5,470461	5,710039	5,707754	5,6877393	5,629418	-0,05832133	0,960380933	1700084E18Rik	
17333292	4,873175	4,260577	4,640307	4,642571	4,466159	4,49037	4,591353	4,533033333	-0,05831967	0,960382043	Slc22a2	
17270062	6,08545	6,110301	6,060757	5,966008	5,999593	6,115967	6,0855027	6,027189333	-0,05831333	0,960386259	Tmem101	
17279157	12,06612	12,09201	12,01112	11,84976	11,86182	12,2828	12,056417	11,99812667	-0,05829	0,960401792	---	
17239763	3,106204	2,821052	2,978289	2,939525	2,932385	2,858772	2,968515	2,910227333	-0,05828767	0,960403345	Taar8b	
17342750	7,853552	7,91083	7,771586	7,794816	7,922354	7,644064	7,8453227	7,787078	-0,05824467	0,96043197	Nudt3	
17240220	6,804367	7,198296	7,107451	7,024334	6,900753	7,010327	7,0367047	6,978471333	-0,05823333	0,960439515	Amd2	
17311147	4,865449	4,869882	4,975976	4,901805	4,97649	4,658335	4,903769	4,845543333	-0,05822567	0,960444619	Odf1	
17298805	12,63346	12,55721	12,60259	12,61509	12,4896	12,51397	12,597753	12,53955333	-0,0582	0,960461706	Glud1	
17423711	5,218048	5,255259	5,334391	5,223464	5,009419	5,400222	5,2692327	5,211035	-0,05819767	0,96046326	---	
17273511	8,387013	8,342249	8,335652	8,351233	8,248518	8,290606	8,3549713	8,296785667	-0,05818567	0,960471249	Wdr45l	
17366008	5,09345	4,948198	5,344108	5,094591	4,991392	5,125229	5,1285853	5,070404	-0,05818133	0,960474134	Hspa12a	
17548110	6,987921	7,305116	7,539401	7,329834	7,055272	7,272816	7,2774793	7,219307333	-0,058172	0,960480347	Ppnr	
17491433	3,055632	3,350281	2,991889	3,238595	3,016801	2,967908	3,1326007	3,074434667	-0,058166	0,960484342	---	
17217592	5,180008	5,247772	5,0414	5,285237	4,978357	5,031131	5,1563933	5,098241667	-0,05815167	0,960493884	---	
17389256	3,325271	3,918431	3,434562	3,516748	3,545448	3,441648	3,5594213	3,501281333	-0,05814	0,960501652	Olfr1275	
17342708	7,108777	6,912313	7,027574	7,00606	7,021284	6,846936	7,0162213	6,958093333	-0,058128	0,960509641	Lemd2	
17473047	8,522602	8,446814	8,448753	8,347261	8,438944	8,457623	8,472723	8,414609333	-0,05811367	0,960519184	Fam60a	
17500867	4,99571	4,846714	5,03431	4,885502	4,708055	5,108836	4,9589113	4,900797667	-0,05811367	0,960519184	Mtnr1a	
17548127	8,3706	8,393075	8,161139	8,134285	8,211186	8,405038	8,3082713	8,250169667	-0,05810167	0,960527173	2700078E11Rik	
17288231	7,315994	7,29608	7,342374	7,281328	7,209852	7,288992	7,3181493	7,260057333	-0,058092	0,960533609	---	
17382820	7,73841	7,702535	7,850396	7,746917	7,645848	7,724312	7,7637803	7,705692333	-0,058088	0,960536272	---	
17326563	3,163818	3,139674	3,222799	3,134518	3,110373	3,10714	3,1754303	3,117343667	-0,05808667	0,96053716	---	
17356685	6,162903	6,385895	6,328808	6,13541	6,471776	6,096204	6,2925353	6,234463333	-0,058072	0,960546925	Gpha2	
17331477	3,212632	3,305043	3,246665	3,481302	3,167902	2,940924	3,25478	3,196709333	-0,05807067	0,960547813	---	
17475209	8,886271	8,674858	8,211183	8,939154	8,295486	8,3635	8,5907707	8,532713333	-0,05805733	0,96055669	---	
17395852	7,640471	8,068082	7,935012	7,790639	7,728309	7,950454	7,8811883	7,823134	-0,05805433	0,960558688	Arfrp1	
17511124	5,064434	4,533195	4,733158	4,558802	4,828799	4,769025	4,776929	4,718875333	-0,05805367	0,960559132	---	
17449638	9,228012	9,823715	9,604855	9,416886	9,443962	9,621595	9,552194	9,494147667	-0,05804633	0,960564014	---	
17549684	5,281216	5,459827	5,252996	5,294888	5,102217	5,422816	5,3313463	5,273307	-0,05803933	0,960568675	---	
17459947	9,132622	9,148144	9,155376	9,100262	9,073753	9,088012	9,1453807	9,087342333	-0,05803833	0,960569341	Mrpl53	
17220548	10,12194	10,22873	10,19936	10,08683	10,18445	10,10464	10,183343	10,12530667	-0,05803667	0,96057045	Eprs	
17446202	5,611799	5,659008	5,845535	5,578737	5,639121	5,724401	5,7054473	5,647419667	-0,05802767	0,960576443	Tmub1	
17437725	4,042219	4,665783	4,766199	4,103604	4,880284	4,316267	4,4914003	4,433385	-0,05801533	0,960584655	---	
17217469	7,447303	7,595889	7,530684	7,517335	7,442901	7,439596	7,5246253	7,466610667	-0,05801467	0,960585098	Klhl12	
17550584	14,0189	14,01339	14,03021	13,94231	13,9519	13,99429	14,020833	13,96283333	-0,058	0,960594864	---	
17357719	5,003617	4,851842	4,895135	4,728031	5,257631	4,590978	4,9168647	4,85888	-0,05798467	0,960605073	Gm97	
17349087	3,282079	3,170723	3,182952	3,068583	3,189692	3,203542	3,211918	3,153939	-0,057979	0,960608847	---	
17268047	6,300941	6,333045	6,341774	6,272325	6,27548	6,254087	6,3252533	6,267297333	-0,057956	0,960624161	Xylt2	
17350559	6,038455	6,169694	6,218434	5,980246	6,133897	6,138577	6,1421943	6,08424	-0,05795433	0,960625271	Ftmt	
17489098	11,18284	11,38826	11,30863	11,28474	11,32508	11,09606	11,293243	11,23529333	-0,05795	0,960628156	---	
17342109	7,529228	7,448687	7,379694	7,491686	7,265173	7,426901	7,4525363	7,394586667	-0,05794967	0,960628378	Cramp1l	
17446123	5,636462	5,571488	5,990611	5,521443	5,592461	5,910811	5,7328537	5,674905	-0,05794867	0,960629044	Kcnh2	
17230546	4,574131	4,476088	4,689824	4,625052	4,61323	4,328048	4,5800143	4,52211	-0,05790433	0,960658564	Ccdc121	
17204131	7,187975	7,013947	7,138243	7,004995	7,399907	6,761622	7,1133883	7,055508	-0,05788033	0,960674545	---	
17214685	8,089931	8,299297	7,978389	8,020737	7,930644	8,242735	8,122539	8,064705333	-0,05783367	0,960705621	Acsl3	
17383467	5,248118	5,375779	5,68999	5,513587	5,289918	5,336886	5,4379623	5,380130333	-0,057832	0,960706731	Ntng2	
17226676	7,486654	7,649083	7,496501	7,489486	7,517552	7,451706	7,5440793	7,486248	-0,05783133	0,960707174	Pfkfb2	
17525746	7,482769	7,290631	7,193543	7,367042	7,199414	7,227026	7,3223143	7,264494	-0,05782033	0,9607145	AW551984	
17346004	3,532335	3,583575	3,817178	3,724498	3,456097	3,579142	3,6443627	3,586579	-0,05778367	0,960738917	Gm324	
17248078	9,038065	9,017333	8,785796	9,142588	8,560416	8,964886	8,9470647	8,889296667	-0,057768	0,96074935	---	
17262830	4,090043	4,308518	4,101724	4,223865	4,031262	4,071861	4,1667617	4,108996	-0,05776567	0,960750904	Acsl6	
17246396	4,297268	4,493112	4,387764	4,3323	4,170365	4,502201	4,3927147	4,334955333	-0,05775933	0,960755121	Olfr768	
17345124	8,668476	8,830741	8,696463	8,703402	8,601933	8,717075	8,7318933	8,674136667	-0,05775667	0,960756897	Enpp4	
17432463	2,975419	3,034817	2,821822	2,987578	2,823347	2,847873	2,9440193	2,886266	-0,05775333	0,960759117	Gm13088	
17410506	2,993989	2,854683	2,834993	2,94573	2,822559	2,742168	2,894555	2,836819	-0,057736	0,96077066	---	
17545179	3,764073	4,257249	4,279948	3,993791	4,377468	3,756845	4,1004233	4,042701333	-0,057722	0,960779984	---	
17299595	5,427012	5,229525	5,342907	5,306251	5,392394	5,127701	5,333148	5,275448667	-0,05769933	0,960795079	Gm7247	
17419026	6,384783	5,938742	6,129892	5,893062	6,193632	6,193632	6,151139	6,093442	-0,057697	0,960796633	---	
17205509	5,299521	5,602179	5,870599	5,472095	5,511289	5,615828	5,5907663	5,533070667	-0,05769567	0,960797521	---	
17341883	8,874762	8,904457	8,956845	8,846939	8,779665	8,93642	8,9120213	8,854341333	-0,05768	0,960807954	Traf7	
17214023	8,346609	8,613293	8,254343	8,329094	8,316166	8,395984	8,4047483	8,347081333	-0,057667	0,960816612	Gm5528	
17237581	2,99902	2,743661	3,012588	2,903911	2,764828	2,913622	2,918423	2,860787	-0,057636	0,960837258	Il22	
17548836	7,553813	7,46335	7,526692	7,314777	7,65059	7,405623	7,5146183	7,456996667	-0,05762167	0,960846804	1810037I17Rik // 1810037I17Rik	
17389456	3,603476	3,74077	3,622074	3,565813	3,536819	3,690837	3,65544	3,597823	-0,057617	0,960849912	---	
17424279	5,778749	5,900847	5,680511	5,680556	5,745151	5,761563	5,7867023	5,72909	-0,05761233	0,96085302	Cntfr	
17225627	5,005619	4,507642	4,741055	4,738896	4,688112	4,654534	4,7514387	4,693847333	-0,05759133	0,960867007	9430060I03Rik	
17247389	9,949282	10,20178	10,12197	10,08317	10,19642	9,820675	10,091011	10,03342167	-0,057589	0,960868561	Egfr	
17543438	4,376102	4,221963	4,397955	4,350766	4,235634	4,236857	4,3320067	4,274419	-0,05758767	0,960869449	Gm14812	
17389138	4,158359	3,479846	3,707979	3,648296	3,60253	3,922632	3,7820613	3,724486	-0,05757533	0,960877663	1700024P03Rik	
17395933	8,203841	8,089342	8,01011	7,926376	8,180272	8,023928	8,1010977	8,043525333	-0,05757233	0,960879661	Rgs19	
17338879	4,592863	4,592321	4,58189	4,581734	4,66296	4,34967	4,5890247	4,531454667	-0,05757	0,960881215	Fut4-ps1	
17516740	4,682383	4,963744	4,900229	4,726515	4,897766	4,749419	4,8487853	4,791233333	-0,057552	0,960893204	Scn4b	
17313581	8,80512	8,770459	8,934562	8,904135	8,939901	8,493482	8,8367137	8,779172667	-0,057541	0,96090053	---	
17550034	8,80512	8,770459	8,934562	8,904135	8,939901	8,493482	8,8367137	8,779172667	-0,057541	0,96090053	---	
17310970	2,768031	2,994354	2,855759	2,889313	2,805425	2,750842	2,8727147	2,815193333	-0,05752133	0,960913629	Pop1	
17231690	8,190034	8,174672	8,317149	8,206118	8,217041	8,086177	8,227285	8,169778667	-0,05750633	0,96092362	Sf3b5	
17364165	2,844436	2,984457	3,152876	3,007898	2,973156	2,828216	2,993923	2,936423333	-0,05749967	0,96092806	---	
17362527	5,51137	4,873033	5,500349	5,176098	5,553525	4,982644	5,2949173	5,237422333	-0,057495	0,960931169	Rom1	
17286548	4,53521	4,76189	4,800698	4,612536	4,700522	4,612342	4,699266	4,6418	-0,057466	0,960950485	1700011B04Rik	
17501202	5,995208	6,221865	6,485782	6,379942	6,095819	6,054697	6,234285	6,176819333	-0,05746567	0,960950707	---	
17540368	3,158336	3,536193	3,27697	3,295987	3,36537	3,137747	3,323833	3,266368	-0,057465	0,960951151	---	
17549072	6,668289	6,535489	6,727338	6,670685	6,636257	6,451781	6,6437053	6,586241	-0,05746433	0,960951595	---	
17421030	5,562775	5,810936	5,736159	5,330993	5,63768	5,968809	5,70329	5,645827333	-0,05746267	0,960952705	Gm13056	
17398016	2,904966	2,724503	3,096151	2,88808	2,801792	2,863402	2,90854	2,851091333	-0,05744867	0,96096203	---	
17202423	6,43918	6,205042	6,529062	6,315174	6,242312	6,443576	6,3910947	6,333687333	-0,05740733	0,960989562	---	
17543229	7,260188	6,937352	6,89159	7,229997	6,904473	6,782446	7,02971	6,972305333	-0,05740467	0,960991339	Eif2s3x	
17416967	6,32742	6,408539	6,25824	6,467042	6,206799	6,148205	6,3313997	6,274015333	-0,05738433	0,961004883	Spata6	
17517244	4,822877	4,58723	4,596124	4,816721	4,596124	4,421257	4,6687437	4,611367333	-0,05737633	0,961010212	4933407I05Rik	
17395830	7,985688	7,959379	7,940693	7,865305	7,855182	7,993163	7,96192	7,90455	-0,05737	0,961014431	Gmeb2	
17375220	8,397965	8,507814	8,316207	8,315708	8,381161	8,353015	8,4073287	8,349961333	-0,05736733	0,961016207	Tubgcp4	
17291229	4,707205	5,093501	4,896278	4,794568	4,999114	4,7312	4,8989947	4,841627333	-0,05736733	0,961016207	Hist1h4a	
17526683	9,225482	9,313958	9,178736	9,079472	9,300344	9,166269	9,239392	9,182028333	-0,05736367	0,96101865	Rbm7	
17422269	8,028582	8,247108	8,355753	8,148612	8,247183	8,063561	8,210481	8,153118667	-0,05736233	0,961019538	A430005L14Rik	
17494507	6,661651	6,870869	7,172383	6,703152	6,842649	6,987038	6,9016343	6,844279667	-0,05735467	0,961024645	Smpd1 // Smpd1	
17255588	6,149157	5,917001	6,100131	5,951589	6,110512	5,932199	6,0554297	5,9981	-0,05732967	0,961041298	Hoxb5	
17414727	5,2822	4,90015	5,23911	5,043554	4,993055	5,212889	5,1404867	5,083166	-0,05732067	0,961047293	Mir455	
17456053	8,65199	8,840306	8,614665	8,67132	8,65835	8,605331	8,7023203	8,645000333	-0,05732	0,961047738	Tmem106b	
17539099	4,145315	4,033947	4,552984	4,271462	4,191129	4,097752	4,244082	4,186781	-0,057301	0,961060394	4930503H13Rik	
17414908	3,63982	3,580651	3,609703	3,649638	3,250577	3,75806	3,610058	3,552758333	-0,05729967	0,961061283	Gm11240	
17241810	4,129181	4,076742	4,27057	4,026042	4,108653	4,169919	4,158831	4,101538	-0,057293	0,961065724	Rtdr1	
17404911	6,395455	6,385283	6,449704	6,404028	6,263994	6,390564	6,4101473	6,352862	-0,05728533	0,961070831	Nudt6	
17363390	4,868429	4,619655	4,383915	4,615753	4,628508	4,455891	4,6239997	4,566717333	-0,05728233	0,961072829	Rorb	
17373611	3,386167	3,198509	3,179324	3,207089	3,147394	3,237746	3,2546667	3,197409667	-0,057257	0,961089706	---	
17203775	3,278464	3,792209	3,159588	3,685255	3,246604	3,126644	3,410087	3,352834333	-0,05725267	0,961092593	---	
17437355	7,246881	7,062613	6,976927	6,942255	7,016839	7,155577	7,0954737	7,038223667	-0,05725	0,961094369	Pacrgl	

17544491	8,077009	8,312476	7,979593	7,918343	8,171822	8,107267	8,123026	8,065810667	-0,05721533	0,961117464	Btk
17417478	3,106687	3,460886	3,155678	2,994184	3,330154	3,227277	3,2410837	3,183871667	-0,057212	0,961119684	---
17223985	5,736177	5,512579	5,38122	5,543591	5,492085	5,422664	5,5433253	5,486113333	-0,057212	0,961119684	Ikzf2
17437547	3,601444	3,737434	3,743121	3,677453	3,581097	3,651848	3,6939997	3,636799333	-0,05720033	0,961127456	Gm10440
17454657	3,01366	2,945446	3,127448	2,957876	2,997597	2,959498	3,0288513	2,971657	-0,05719433	0,961131454	---
17331021	6,656168	6,828142	6,76025	6,650642	6,686218	6,736124	6,7481867	6,690994667	-0,057192	0,961133008	Pcnp
17498897	6,582705	6,976116	6,433211	6,675089	6,662496	6,48288	6,6640107	6,606821667	-0,057189	0,961135007	Tnfsf13b
17374210	3,431687	3,69205	3,423484	3,244386	3,970991	3,160285	3,5157403	3,458554	-0,05718633	0,961136783	---
17471431	3,988348	4,720799	4,028462	4,19698	4,151799	4,217286	4,2458697	4,188688333	-0,05718133	0,961140114	Klrb1a
17243661	7,525022	7,748515	7,608222	7,406192	7,60322	7,700822	7,627253	7,570078	-0,057175	0,961144334	Prdm4
17348833	13,88772	13,89514	13,88732	13,88931	13,81262	13,79674	13,89006	13,83289	-0,05717	0,961147665	Ttr
17516349	4,541248	4,7135	4,676295	4,478065	4,784386	4,497089	4,643681	4,586513333	-0,05716767	0,961149219	---
17303353	6,275837	6,089939	5,901264	6,142402	5,788191	6,164978	6,0890133	6,031857	-0,05715633	0,96115677	Gm3696 // Gm3696
17511878	5,531445	5,621464	5,905253	5,747594	5,512414	5,626695	5,686054	5,628901	-0,057153	0,961158991	Pllp
17302136	3,332042	3,046491	4,298939	3,323132	3,782032	3,400935	3,5591573	3,502033	-0,05712433	0,961178089	---
17434764	5,42457	5,368536	5,570246	5,319343	5,443067	5,429577	5,4544507	5,397329	-0,05712167	0,961179866	Sema3a
17439367	5,818213	5,891506	6,167329	5,693861	5,975888	6,03596	5,959016	5,901903	-0,057113	0,96118564	Cxcl13
17268338	6,580609	6,437922	6,668339	6,509078	6,506034	6,500425	6,56229	6,505179	-0,057111	0,961186972	Snx11
17479834	6,285201	6,153178	5,762513	6,05018	5,996072	5,983308	6,066964	6,009853333	-0,05711067	0,961187195	Mex3b
17545486	3,108806	2,794113	3,074732	2,971607	3,097319	2,73743	2,9925503	2,935452	-0,05709833	0,961195412	---
17336322	6,710092	6,948502	6,889111	6,541757	7,095145	6,739512	6,849235	6,792138	-0,057097	0,9611963	Rxrb
17376372	6,656054	6,510858	6,769445	6,657385	6,554316	6,55339	6,6454523	6,588363667	-0,05708867	0,961201852	Oxt
17477754	4,855996	4,867071	4,918731	5,031438	4,671219	4,767878	4,8805993	4,823511667	-0,05708767	0,961202518	Slc6a16
17517268	5,597968	5,537417	5,702519	5,629664	5,629136	5,40787	5,6126347	5,555556667	-0,057078	0,961208959	---
17468678	8,716251	8,628453	8,672379	8,513896	8,680276	8,651701	8,672361	8,615291	-0,05707	0,961214289	Isy1
17402174	4,491825	4,427558	4,755824	4,643552	4,453887	4,40658	4,5584023	4,501339667	-0,05706267	0,961219175	4930432M17Rik // 4930432M17Rik
17376908	6,347926	6,038334	6,23997	6,206955	6,128622	6,119514	6,2087433	6,1516 97	-0,05704633	0,961230057	Ism1
17374055	3,217224	3,335079	3,095176	3,310747	3,215052	2,950543	3,2158263	3,15878067	-0,05704567	0,961230501	---
17273485	8,297369	8,354151	8,411674	8,356599	8,310414	8,225083	8,354398	8,297365333	-0,05703267	0,961239163	1110031I02Rik
17492722	6,402505	6,241172	6,342117	6,179268	6,330283	6,305146	6,328598	6,271565667	-0,05703233	0,961239385	Nmb
17354755	3,461805	3,248228	3,382773	3,268128	3,290838	3,362782	3,3642687	3,307249333	-0,05701933	0,961248047	Mir378 // Mir378
17200117	7,977314	7,538266	7,929435	7,710348	7,371874	8,191757	7,815005	7,757993	-0,057012	0,961252933	---
17519345	5,550728	5,121936	5,307509	5,342819	5,475292	4,991029	5,3267243	5,269713333	-0,057011	0,961253599	---
17501228	7,3159	7,271317	7,255409	7,162904	7,109939	7,398766	7,2808753	7,223869667	-0,05700567	0,961257153	---
17381626	4,741492	4,849179	4,76488	4,788192	4,605718	4,790697	4,7851837	4,728202333	-0,05698133	0,961273366	8030442B05Rik
17208733	5,0729	4,215689	5,67626	4,641429	4,964487	5,187993	4,988283	4,931303	-0,05698	0,961274254	---
17367978	5,680214	5,598892	5,484547	5,525243	5,433615	5,63388	5,5878843	5,530912667	-0,05697167	0,961279807	Npdc1
17208229	7,659557	8,184983	7,698588	7,747221	7,983221	7,64184	7,8477093	7,790760667	-0,05694867	0,961295132	---
17341242	4,383117	4,90823	4,655009	4,49542	4,704786	4,57532	4,6487853	4,591842	-0,05694333	0,961298686	Riok2 // Riok2
17252668	5,406137	5,15042	5,368959	5,25147	5,395868	5,107372	5,3085053	5,25157	-0,05693533	0,961304016	Trpv3
17202961	6,241813	5,478129	5,997282	6,097889	5,736688	5,711882	5,9057413	5,848819667	-0,05692167	0,961313123	---
17218680	12,06056	12,3955	12,24813	12,1035	12,19162	12,23832	12,23473	12,17781333	-0,05691667	0,961316455	Snord47
17229502	8,963329	8,901222	8,934841	8,825987	8,970811	8,831868	8,9331307	8,876222	-0,05690867	0,961321785	Uap1
17392437	7,905457	8,049288	8,034212	7,865678	8,022403	7,930162	7,996319	7,939414333	-0,05690467	0,961324451	Rbbp9
17418439	7,883934	7,929386	7,754144	7,814533	7,865221	7,717015	7,8558213	7,798923	-0,05689833	0,961328671	Snip1
17514049	7,786678	7,68459	7,813371	7,652787	7,801391	7,659827	7,7615463	7,704668333	-0,056878	0,96134222	Taf5l
17280609	7,830459	7,905791	7,580719	7,606335	7,762016	7,777986	7,772323	7,715445667	-0,05687733	0,961342664	Pik3cg
17221235	6,874737	7,350395	6,51867	6,59029	7,243382	6,739512	6,9146007	6,857728	-0,05687267	0,961345774	---
17544102	7,787044	7,904787	7,638198	7,674597	7,722387	7,762428	7,7766763	7,719804	-0,05687233	0,961345996	Brwd3
17306945	4,368436	4,610273	4,185273	4,467698	4,405516	4,120163	4,387994	4,331125667	-0,05686833	0,961348661	Mcpt-ps1
17403846	4,590132	4,401741	4,986253	4,645607	4,641114	4,520806	4,6593753	4,602509	-0,05686633	0,961349994	---
17517911	6,917135	6,816797	7,159702	6,753122	7,094997	6,874925	6,9645447	6,907681333	-0,05686333	0,961351993	---
17439094	4,364914	4,611339	4,600891	4,551132	4,455179	4,400288	4,5257147	4,468866333	-0,05684833	0,961361988	Art3
17388012	4,3603	4,160841	4,244062	4,379554	4,205963	4,009143	4,2550677	4,19822	-0,05684767	0,961362433	Olfr140
17370947	4,265094	4,093599	4,142223	4,109721	4,225452	3,995203	4,166972	4,110125333	-0,05684667	0,961363099	Gm13544
17337585	2,895554	3,04651	3,034445	3,025271	2,958173	2,82254	2,9921697	2,935328	-0,05684167	0,961366431	Olfr119
17229590	5,25828	5,105079	5,454692	5,064235	5,215654	5,36779	5,2726837	5,215893	-0,05679067	0,961400416	Fcrlb
17213446	7,336636	7,270334	7,163686	7,255761	7,176547	7,168003	7,2568853	7,200103667	-0,05678167	0,961406414	Abi2
17448832	5,352122	5,249662	5,234241	5,232372	5,447851	4,985492	5,278675	5,221905	-0,05677	0,961414189	Lrrc66
17550643	2,857857	2,85026	2,90085	2,813632	2,860957	2,764141	2,8696557	2,81291	-0,05674567	0,961430404	---
17475064	4,186465	4,424128	4,489306	4,277013	4,135818	4,516856	4,366633	4,309895667	-0,05673733	0,961435958	Gm1096
17440971	4,795031	4,53684	5,16823	4,617232	5,237551	4,475146	4,833367	4,776643	-0,056724	0,961444843	---
17213265	5,728401	5,575364	5,393958	5,754468	5,351057	5,422059	5,5659077	5,509194667	-0,056713	0,961452174	Fzd7
17316996	10,51786	10,4656	10,5191	10,38646	10,48368	10,46234	10,500853	10,44416	-0,05669333	0,961465281	Rad21
17330947	3,955168	3,782664	3,76578	3,688665	3,756108	3,888764	3,8345373	3,777845667	-0,05669167	0,961466391	Zpld1
17385389	3,775018	3,520016	3,889484	3,585615	3,853464	3,575481	3,7281727	3,67152	-0,05665267	0,961492383	BB557941
17435737	4,817961	4,775106	4,932412	4,614662	5,036207	4,704681	4,8418263	4,785183333	-0,056643	0,961498825	Fam59b
17548292	4,17834	4,22983	4,16457	4,045791	4,232584	4,124476	4,1909133	4,134283667	-0,05662967	0,961507711	Gm2401
17230706	6,848847	6,648181	6,824807	6,893061	6,611091	6,647833	6,773945	6,717328333	-0,05661667	0,961516376	1700112H15Rik // 1700112H15Rik
17433555	7,123333	7,054442	7,284475	7,149175	7,076368	7,066861	7,1540833	7,097468	-0,05661533	0,961517264	1190007F08Rik
17241968	8,373338	8,037341	8,263105	8,210251	8,119711	8,173995	8,2245947	8,167985667	-0,056609	0,961521485	Smarcb1
17545657	7,33302	7,043288	7,119986	7,123475	7,089412	7,113589	7,1654313	7,108825333	-0,056606	0,961523485	Sms
17379942	5,527267	5,52078	5,426938	5,617981	5,228086	5,459114	5,4916617	5,435060333	-0,05660133	0,961526595	A530013C23Rik
17388901	5,610383	5,408956	5,500852	5,521369	5,268448	5,56058	5,5067303	5,450132333	-0,056598	0,961528816	D430041D05Rik
17537038	4,425657	4,477375	4,481633	4,219343	4,589379	4,406175	4,461555	4,404965667	-0,05658933	0,961534593	Fgf16
17306087	4,825649	4,721276	5,019595	5,00049	4,914851	4,481471	4,8555067	4,798937333	-0,05656933	0,961547922	Rnase11
17352493	8,151929	8,182175	8,078917	7,980519	8,120003	8,142833	8,1376737	8,081118333	-0,05655533	0,961557253	Epc1
17488370	4,015503	4,127445	4,521336	4,108956	4,098527	4,287142	4,221428	4,164875	-0,056553	0,961558809	BC089491
17313158	5,273817	5,018065	5,197286	5,048529	5,209814	5,061209	5,163056	5,106517333	-0,05653867	0,961568362	Fam83f
17469887	8,867804	8,928473	8,611986	8,695885	8,766228	8,776541	8,8027543	8,746218	-0,05653633	0,961569917	2510049J12Rik
17475805	5,788994	5,956376	5,948443	5,916126	5,705744	5,902424	5,8979377	5,841431333	-0,05650633	0,961589912	Eid2b
17535181	3,871682	3,721678	3,715865	3,530718	3,937076	3,671984	3,7697417	3,713259333	-0,05648233	0,961605909	---
17219086	9,215615	9,442917	9,028737	9,092178	9,241203	9,184444	9,2290897	9,172608333	-0,05648133	0,961606576	Tmco1
17421142	6,500916	6,842165	6,743905	6,549093	6,54447	6,824022	6,695662	6,639195	-0,056467	0,961616129	---
17235518	5,071432	4,985903	4,752242	4,939055	4,800945	4,900177	4,9365257	4,880059	-0,05646667	0,961616352	---
17547523	4,181687	4,160127	4,295536	4,183295	4,167994	4,116671	4,21245	4,155986667	-0,05646333	0,961618573	Gm10752
17365410	7,718822	7,52729	7,445278	7,310956	7,379279	7,831806	7,5637967	7,507347	-0,05644967	0,961627683	Cyp17a1
17473514	4,60897	5,289295	5,253145	4,771067	5,197208	5,013795	5,05047	4,994023333	-0,05644667	0,961629683	Gm5065
17460090	4,43433	4,35659	4,447161	4,270681	4,481137	4,316933	4,4126937	4,356250333	-0,05644333	0,961631904	LOC100861870
17483870	5,148391	5,292417	5,169984	5,134152	5,171606	5,135713	5,2035973	5,147157	-0,05644033	0,961633904	Btbd16
17387681	3,252347	3,184906	3,226825	3,120201	3,179402	3,195159	3,2213593	3,164920667	-0,05643867	0,961635015	Olfr1066
17548002	3,997096	3,955778	3,803088	3,754936	3,910988	3,920732	3,918654	3,862218667	-0,05643533	0,961637237	Gm9753
17495309	4,893968	4,833868	4,869529	4,800024	4,851681	4,7764	4,8657883	4,809368333	-0,05642	0,961647457	4933406I18Rik
17205385	5,414843	5,008038	5,063701	5,569968	4,948729	4,798627	5,162194	5,105774667	-0,05641933	0,961647902	---
17334730	5,460957	5,468548	5,643569	5,522552	5,492176	5,38909	5,524358	5,467939333	-0,05641867	0,961648346	Mslnl
17217536	5,876392	5,69203	5,918535	5,711536	5,849108	5,757062	5,8289857	5,772568667	-0,056417	0,961649457	Syt2
17233286	4,346557	4,300836	4,168368	4,210285	4,252983	4,183252	4,2719203	4,215506667	-0,05641367	0,961651679	Nepn
17254089	7,23394	7,32637	7,199691	7,279906	6,964077	7,34683	7,2533337	7,196937667	-0,056396	0,961663455	Zfp830
17441265	7,657854	7,90028	7,81222	7,630466	7,720016	7,850685	7,790118	7,733722333	-0,05639567	0,961663677	Rab35
17209699	6,022525	6,061249	5,786878	5,908494	5,298505	6,494477	5,956884	5,900492	-0,056392	0,961666121	---
17425364	4,698923	4,632706	4,833206	4,593683	4,826596	4,575438	4,7216117	4,665239	-0,05637267	0,961679009	AI427809
17433944	5,78796	5,554796	5,624396	5,632486	5,549276	5,616329	5,6557173	5,599363667	-0,05635367	0,961691674	Ttll10
17442332	8,077712	8,144751	8,098588	8,029882	8,108147	8,013967	8,107017	8,050665333	-0,05635167	0,961693007	Kntc1
17507440	7,55742	7,485945	7,730635	7,433961	7,596973	7,574022	7,5913333	7,534985333	-0,056348	0,961695451	Cars2
17296225	4,370241	4,256165	4,435141	4,279063	4,267676	4,345766	4,353849	4,297501667	-0,05634733	0,961695896	Ddx4
17261161	4,775841	4,772346	5,099097	4,731766	5,071432	4,675055	4,882428	4,826084333	-0,05634367	0,96169834	Bcl11a
17404821	11,1271	11,12395	11,14429	11,04125	11,05428	11,13078	11,13178	11,07543667	-0,05634333	0,961698562	Ccna2
17498461	6,571856	6,810899	6,554738	6,535687	6,829948	6,402847	6,645831	6,589494	-0,056337	0,961702784	Fadd
17225196	4,949028	5,051235	5,380002	5,024067	5,053102	5,134105	5,126755	5,070424667	-0,05633033	0,961707228	Alppl2
17466262	3,578801	3,713975	3,763884	3,709314	3,657962	3,520399	3,6855533	3,629225	-0,05632833	0,961708561	1700074P13Rik
17276787	6,096926	6,045325	5,862319	5,942326	5,962497	5,930838	6,0015233	5,945220333	-0,056303	0,961725448	Rdh12
17406433	6,615402	6,352062	6,799687	6,662992	6,386966	6,548355	6,5890503	6,532771	-0,05627933	0,961741225	Prss48
17512169	3,140032	3,442424	3,27193	3,324272	3,202883	3,158443	3,2847953	3,228532667	-0,05626267	0,961752336	---
17408974	8,239473	7,966986	8,393667	8,127701	8,060256	8,243385	8,200042	8,143780667	-0,05626133	0,961753225	Cym
17335865	8,232122	8,119054	8,145748	8,087137	8,068171	8,172834	8,1656413	8,109380667	-0,05626067	0,961753669	Ndufv3
17528947	4,752241	4,707014	4,739225	4,613978	4,792757	4,62297	4,7328267	4,676568333	-0,05625833	0,961755224	2310046A06Rik
17532797	3,959337	3,86512	3,727721	3,889498	3,626748	3,867166	3,850726	3,794470667	-0,05625533	0,961757224	---
17498748	6,309594	6,482553	5,780352	6,337942	5,901405	6,16439	6,190833	6,134579	-0,056254	0,961758113	---
17363239	8,663555	8,760989	8,694559	8,662727	8,635139	8,652504	8,7063677	8,650123333	-0,05624433	0,961764557	Vps13a
17244486	6,488498	6,492607	6,433518	6,547652	6,403592	6,294678	6,471541	6,415307333	-0,05623367	0,961771668	Socs2
17308462	11,73345	11,79243	11,62918	11,42354	11,82589	11,73695	11,718353	11,66212667	-0,05622667	0,961776335	---
17318076	4,148948	4,116752	4,210886	4,160524	4,127332	4,020069	4,158862	4,102641667	-0,05622033	0,961780557	Ly6i
17462738	7,045088	6,768427	6,592803	6,709154	6,887095	6,641542	6,802106	6,745930333	-0,05617567	0,961810335	Clec4a3
17335874	4,741468	4,891835	4,940029	4,804593	4,893229	4,707016	4,8577773	4,801612667	-0,05616467	0,961817668	4833413E03Rik
17550867	3,727044	3,719257	3,415649	3,553808	3,588044	3,551618	3,62065	3,56449	-0,05616	0,961820779	---
17246569	5,049754	5,304368	5,453903	5,166852	5,035811	5,436887	5,2693417	5,213183333	-0,05615833	0,961821891	Gm11944
17306814	3,355491	3,361593	3,322834	3,20755	3,271031	3,392876	3,3466393	3,290485667	-0,05615367	0,961825002	---
17375654	4,658927	4,278615	4,251328	4,436171	4,224276	4,36	4,39629	4,340149	-0,056141	0,961833446	---
17455622	5,744402	5,694127	5,791968	5,667634	5,65855	5,735902	5,743499	5,687362	-0,056137	0,961836113	A430089I19Rik
17350007	6,759709	6,895415	7,047712	6,899633	7,001535	6,633258	6,9009453	6,844808667	-0,05613667	0,961836335	---
17529496	8,393763	8,421783	8,054336	8,103661	8,267141	8,330695	8,2899607	8,233832333	-0,05612833	0,961841891	Snx14
17397396	3,39089	3,372524	3,486898	3,49208	3,217332	3,372524	3,4167707	3,360645333	-0,05612533	0,961843891	---
17458561	8,400502	8,123755	8,262495	8,168365	8,37728	8,07274	8,2622507	8,206128333	-0,05612233	0,961845891	Cbx3
17446100	8,384007	8,197194	8,302537	8,204541	8,229398	8,28145	8,2945793	8,238463	-0,05611633	0,961849892	Fam126a

17269158	3,602498	3,647549	3,675852	3,576596	3,851146	3,329811	3,6419663	3,585851	-0,05611533	0,961850558	Krtap2-4
17452689	8,812504	8,890738	8,714322	8,809817	8,660474	8,778939	8,8058547	8,749743333	-0,05611133	0,961853225	Rsrc2
17517031	8,160338	8,126559	8,227657	8,111385	8,116487	8,118359	8,171518	8,115410333	-0,05610767	0,96185567	Zw10
17266911	4,946424	5,135851	5,207408	4,987453	5,252705	4,881205	5,096561	5,040454333	-0,05610667	0,961856337	Mmp28
17201225	9,04715	9,206813	8,68376	8,512155	8,838833	9,418424	8,979241	8,923137333	-0,05610367	0,961858337	---
17328425	6,414042	6,835252	6,754981	6,652135	6,616346	6,567488	6,6680917	6,611989667	-0,056102	0,961859448	Ube2v2
17345038	9,942628	10,15108	9,762162	9,977216	9,649272	10,06109	9,9519567	9,895859333	-0,05609733	0,961862559	Cd2ap
17217580	7,344812	7,458387	7,159555	7,319115	7,638988	6,836362	7,320918	7,264821667	-0,05609633	0,961863226	Arl8a
17262915	5,949051	5,710437	5,950033	5,779369	5,853891	5,807994	5,8698403	5,813751333	-0,056089	0,961868115	Ccdc69
17466195	8,371563	8,359914	8,242887	8,220166	8,386505	8,19944	8,324788	8,268703667	-0,05608433	0,961871226	Mrps33
17246310	8,220006	8,0159	8,048195	8,069114	8,058825	7,98792	8,0947003	8,038619667	-0,05608067	0,961873671	Dgka
17317296	8,164129	8,094757	8,107752	8,058025	8,104712	8,035689	8,1222127	8,066142	-0,05607067	0,961880338	Tmem65
17467433	3,052595	2,804229	2,886929	2,78262	2,924919	2,868012	2,9145843	2,858517	-0,05606733	0,961882561	---
17283780	5,319383	5,047656	5,487128	5,213218	5,163713	5,309103	5,2847223	5,228678	-0,05604433	0,961897896	Gm2721
17449939	8,971726	9,322596	8,978252	8,922594	9,144481	9,037378	9,090858	9,034817667	-0,05604033	0,961900562	Antxr2
17522785	6,12674	6,010418	6,02998	6,043478	6,002718	5,95288	6,0557127	5,999692	-0,05602067	0,961913675	---
17416761	8,587426	8,856168	8,592329	8,493227	8,668545	8,706125	8,678641	8,622632333	-0,05600867	0,961921676	Kti12
17502090	2,955092	3,002134	2,997003	2,930252	2,900901	2,955092	2,984743	2,928748333	-0,05599467	0,961931011	Gm3643
17381519	3,191837	3,277968	3,384198	3,192956	3,08502	3,408113	3,2846677	3,228696333	-0,05597133	0,961946569	---
17335952	6,611288	7,186004	6,871466	6,924063	6,729939	6,846888	6,889586	6,83363	-0,055956	0,961956792	Cyp4f17
17340917	4,990322	4,725413	5,079836	4,867023	4,878794	4,881919	4,931857	4,875912	-0,055945	0,961964127	Pnldc1
17253422	5,770139	6,408823	5,965877	5,7438	6,165988	6,067217	6,0482797	5,992335	-0,05594467	0,961964349	Dhrs13
17338650	7,401518	7,449318	7,624775	7,299065	7,53081	7,477917	7,4918703	7,435930667	-0,05593967	0,961967683	Ccdc94
17545567	4,261334	4,081388	4,207393	3,9124	4,256821	4,213087	4,1833717	4,127436	-0,05593567	0,96197035	Magea2
17501500	2,815119	2,903276	3,046128	3,003224	2,815119	2,778389	2,9215077	2,865577333	-0,05593033	0,961973907	---
17444970	4,765249	4,796027	4,809942	4,689435	4,771127	4,742865	4,790406	4,734475667	-0,05593033	0,961973907	6330406I15Rik
17220597	4,902667	5,144135	4,715545	4,639516	5,023005	4,932037	4,9207823	4,864852667	-0,05592967	0,961974351	A430105J06Rik
17321351	9,571942	9,713388	9,621521	9,604284	9,649506	9,485298	9,635617	9,579696	-0,055921	0,96198013	Prkag1
17485724	6,99884	6,793851	7,154771	6,668784	6,959403	7,151578	6,9824873	6,926588333	-0,055899	0,9619948	Rdh13
17299196	7,651116	7,590559	7,776451	7,524364	7,63345	7,692618	7,6727087	7,616810667	-0,055898	0,961995466	Ero1l // Ero1l
17502366	3,574731	3,619201	3,55418	3,592442	3,49258	3,495402	3,582704	3,526808	-0,055896	0,9619968	Olfr372
17511389	9,644684	9,823026	9,60982	9,556777	9,648916	9,704187	9,69251	9,636626667	-0,05588333	0,962005246	Itfg1
17331910	4,026051	3,84153	3,724585	3,804276	3,864274	3,756021	3,8640553	3,808190333	-0,055865	0,962017471	Krtap7-1
17312127	9,769585	9,700356	9,720568	9,560213	9,700003	9,762711	9,7301697	9,674309	-0,05586067	0,962020361	Ptp4a3
17520687	7,761747	7,927397	7,663168	7,641836	7,757628	7,785319	7,784104	7,728261	-0,055843	0,962032141	Cep70
17261016	7,307198	7,282303	7,420195	7,262949	7,356919	7,222312	7,3365653	7,280726667	-0,05583867	0,962035031	Commd1
17259311	5,083655	5,193876	5,344247	5,188437	5,087405	5,178566	5,2072593	5,151469333	-0,05579	0,962067484	0610009L18Rik
17543393	4,441112	4,373288	4,573016	4,049978	4,900551	4,269526	4,462472	4,406685	-0,055787	0,962069484	Gm9059
17428228	4,212274	4,124691	4,211803	4,227608	4,053306	4,100518	4,1829227	4,127144	-0,05577867	0,962075042	Elavl4
17290324	7,11007	7,129649	7,186743	6,893919	7,244622	7,120638	7,142154	7,086393	-0,055761	0,962086823	Pfkp
17392973	4,642804	4,39692	4,544879	4,377816	4,497044	4,5425	4,528201	4,472453333	-0,05574767	0,962095714	Defb45
17453160	8,324372	8,429084	8,502067	8,435305	8,263657	8,389369	8,4185077	8,362777	-0,05573067	0,962107051	Gusb
17448735	5,623774	5,841745	5,952893	5,554058	5,870677	5,826498	5,8061373	5,750411	-0,05572633	0,962109941	Slain2 // Slain2
17367921	5,743276	5,522435	5,743276	5,624959	5,548177	5,668676	5,6696623	5,613937333	-0,055725	0,96211083	Grin1 // Grin1
17314577	6,84262	7,070874	6,941515	6,93199	6,937146	6,818707	6,9516697	6,895947667	-0,055722	0,962112831	Pfkm
17384182	6,075015	6,18957	6,017611	5,944676	6,019387	6,150968	6,0940653	6,038343667	-0,05572167	0,962113053	Zbtb43
17366047	3,909941	4,023902	3,909611	3,915795	3,861694	3,898802	3,947818	3,892097	-0,055721	0,962113498	Emx2os
17299185	4,629343	4,495322	4,49098	4,405274	4,602653	4,440566	4,5385483	4,482831	-0,05571733	0,962115943	Gpr137c
17386448	5,265139	5,505568	5,55449	5,464854	5,34362	5,349615	5,4417323	5,386029667	-0,05570267	0,962125724	---
17214380	5,978284	5,730981	5,873468	5,605126	5,93831	5,872206	5,860911	5,805214	-0,055697	0,962129503	Wnt6
17249057	8,021902	8,268747	8,011869	8,055144	8,016582	8,063737	8,1008393	8,045154333	-0,055685	0,962137506	Mapk9
17493088	3,145683	2,977479	3,19102	3,072747	2,957014	3,117395	3,1047273	3,049052	-0,05567533	0,962143953	Vmn2r73
17471814	3,167095	3,30993	3,274414	3,2079	3,230738	3,1458	3,2504797	3,194812667	-0,055667	0,96214951	Gm6600
17208065	3,359665	2,982133	3,451103	2,859506	3,396095	3,370339	3,2643003	3,208646667	-0,05565367	0,962158403	---
17443083	6,912179	6,958998	7,018639	6,77378	6,99261	6,956532	6,963272	6,907640667	-0,05563133	0,962173297	Gtf2ird2
17493141	3,504254	3,426395	3,998949	3,836405	3,584504	3,341802	3,6431993	3,587570333	-0,055629	0,962174853	Olfr298
17200193	6,143806	6,095213	6,489531	6,376842	5,927543	6,257284	6,24285	6,187223	-0,055627	0,962176187	---
17203933	3,864782	3,302251	3,816156	3,591482	3,18846	4,036427	3,661063	3,605456333	-0,05560667	0,962189748	---
17262669	7,441801	7,517662	7,470141	7,160909	7,683629	7,418268	7,4765347	7,420935333	-0,05559933	0,962194639	Sowaha
17355278	3,063129	3,125259	3,125259	3,037667	2,98747	3,121716	3,104549	3,048951	-0,055598	0,962195528	---
17474434	6,214888	6,40684	6,161487	6,356208	6,000401	6,25983	6,2610717	6,205479667	-0,055592	0,96219953	Rsph6a
17526266	7,423626	8,143688	7,979384	7,437567	7,812131	8,130235	7,8488993	7,793311	-0,05558833	0,962201976	---
17254670	8,557659	8,747194	8,520756	8,529218	8,530401	8,599236	8,6085363	8,552951667	-0,05558467	0,962204421	Fam33a
17340712	5,770944	5,546705	5,734694	5,737102	5,658373	5,490148	5,6841143	5,628541	-0,05557333	0,96221198	Gm1604b
17202455	2,939525	2,689253	3,083236	3,135768	2,655457	2,7541	2,9040047	2,848441667	-0,055563	0,962218872	---
17248331	8,375311	8,306183	8,116362	8,143345	8,239305	8,248537	8,265952	8,210395667	-0,05555633	0,962223318	Fbxw11
17277794	8,411159	8,525056	8,199857	8,16482	8,491834	8,312751	8,3786907	8,323135	-0,05555567	0,962223763	Gpr65
17216436	4,129022	4,265658	4,571548	4,525406	4,079648	4,194511	4,322076	4,266521667	-0,05555433	0,962224652	Serpinb11
17525688	4,081475	3,952835	4,235925	4,346232	3,843845	3,913495	4,0900783	4,034524	-0,05555433	0,962224652	---
17484229	5,607119	5,736159	6,063276	5,872498	5,650904	5,716508	5,8021847	5,746636667	-0,055548	0,962228876	Foxi2
17491507	5,309396	4,599779	4,255647	4,805081	4,529888	4,663247	4,7216073	4,666072	-0,05553533	0,962237324	---
17391909	5,34242	5,326917	5,284677	5,344791	5,230686	5,211976	5,3180047	5,262484333	-0,05552033	0,962247329	5330413P13Rik
17210159	3,045084	3,151656	3,073797	2,818989	3,049589	3,235446	3,090179	3,034674667	-0,05550433	0,962258001	---
17379104	3,287792	3,741097	3,285918	3,310449	3,403473	3,43439	3,438269	3,382770667	-0,05549833	0,962262003	---
17285765	2,874768	2,882527	2,91161	2,777858	2,851911	2,872664	2,889635	2,834144333	-0,05549067	0,962267116	Vmn1r200
17270297	4,869473	4,404959	4,562256	4,688145	4,472395	4,509708	4,6122293	4,556749333	-0,05548	0,962274231	2810433D01Rik
17391094	7,330041	7,618842	7,351245	7,238217	7,394334	7,501139	7,433376	7,377896667	-0,05547933	0,962274676	Hdc
17355780	4,733514	4,648814	4,988811	4,786321	4,812657	4,605765	4,7903797	4,734914333	-0,05546533	0,962284014	1700095A13Rik
17287552	3,864403	3,765659	4,015801	3,904344	4,020427	3,554728	3,8819543	3,826499667	-0,05545467	0,962291128	5330429C05Rik
17247695	10,1927	10,21027	10,09954	10,1313	10,06161	10,14326	10,167503	10,11205667	-0,05544667	0,962296464	Xpo1
17322598	4,626249	4,663375	4,701482	4,645	4,666981	4,512799	4,663702	4,60826	-0,055442	0,962299577	Gm10914 // Gm10914
17389736	6,432492	6,155439	6,498384	6,151513	6,41795	6,350551	6,362105	6,306671333	-0,05543367	0,962305136	Gm1337
17283477	7,234529	7,111208	7,19333	7,1618	7,086433	7,124541	7,179689	7,124258	-0,055431	0,962306914	Moap1
17475861	6,203709	6,130054	6,326542	6,712574	5,35571	6,425784	6,2201017	6,164689333	-0,05541233	0,962319366	1700028B04Rik
17228896	3,991845	3,866158	3,725981	3,996231	3,518234	3,903294	3,861328	3,805919667	-0,05540833	0,962322034	4930558K02Rik
17211752	6,074214	6,010437	6,159626	6,020846	6,106805	5,950435	6,0814257	6,026028667	-0,055397	0,962329593	Arhgef4
17326428	10,84204	10,80771	10,86621	10,88859	10,70872	10,7525	10,838653	10,78327	-0,05538333	0,96233871	Cpox
17231495	4,523829	4,515704	4,502989	4,698106	4,418253	4,260055	4,514174	4,458804667	-0,05536933	0,962348048	Oprm1
17489244	8,115223	7,816056	7,822444	7,801847	8,09331	7,692477	7,9179077	7,862544667	-0,055363	0,962352273	---
17544088	8,269265	8,295761	7,932955	8,15155	7,945784	8,234575	8,1659937	8,110636333	-0,05535733	0,962356053	2610002M06Rik
17216301	7,532894	7,548146	7,691162	7,584665	7,492364	7,529103	7,590734	7,535377333	-0,05535667	0,962356498	---
17548112	11,35868	11,25267	11,16089	11,16352	11,26744	11,17523	11,257413	11,20206333	-0,05535	0,962360945	Morf4l2 // Morf4l2
17529580	5,292673	5,041319	5,103957	5,206621	5,045431	5,019866	5,145983	5,090639333	-0,05534367	0,962365169	---
17291704	6,042693	5,805016	5,908166	5,982065	5,74369	5,864093	5,918625	5,863282667	-0,05534233	0,962366059	Serpinb1c
17468509	3,553248	3,490435	3,546713	3,535062	3,441873	3,447462	3,530132	3,474799	-0,055333	0,962372285	---
17310772	5,101456	4,968239	5,302693	5,10345	5,042887	5,060074	5,1241293	5,068803667	-0,05532567	0,962377176	Ctnnd2
17372111	5,115633	4,490017	4,730798	4,803044	4,697964	4,66957	4,778816	4,723526	-0,05529	0,962400969	---
17550821	3,842374	3,827115	4,247842	3,616811	4,043077	4,09165	3,9724437	3,917179333	-0,05526433	0,962418091	---
17441083	8,95149	8,826523	9,033241	8,786223	8,930244	8,929012	8,9370847	8,881826333	-0,05525833	0,962422093	Sppl3
17255487	6,910204	6,937788	6,99456	7,150651	6,667475	6,858686	6,9475173	6,892270667	-0,05524667	0,962429876	Gip
17364663	2,86414	2,904603	2,894462	2,811668	2,781544	2,904262	2,887735	2,832491333	-0,05524367	0,962431878	---
17541776	3,172808	3,083785	3,091749	3,10727	3,028533	3,04684	3,116114	3,060881	-0,055233	0,962438993	Cxx1a
17240020	12,92127	12,90345	12,94638	12,85639	12,90978	12,83924	12,9237	12,86847	-0,05523	0,962440995	Rpl12
17542180	8,319319	8,496692	8,271185	8,197294	8,276012	8,448246	8,3623987	8,307184	-0,05521467	0,962451224	Cd99l2
17493980	6,822261	6,489136	6,553851	6,639709	6,376058	6,683882	6,6217493	6,566549667	-0,05519967	0,962461231	Lrrc51
17398023	9,845282	9,915337	9,814134	9,757704	9,769213	9,882245	9,858251	9,803054	-0,055197	0,96246301	Gmps
17362138	6,724905	6,651335	6,798324	6,619506	6,701975	6,687498	6,7248547	6,669659667	-0,055195	0,962464344	Gpr137
17468271	3,672056	3,908752	3,538572	3,551294	3,794051	3,608476	3,70646	3,651273667	-0,05518633	0,962470126	---
17488951	8,266468	8,138231	8,145828	8,217718	8,170019	7,997302	8,183509	8,128346333	-0,05518267	0,962485915	Zfp146
17469941	4,732406	5,154031	5,000252	4,855348	4,847975	5,017885	4,9622297	4,907069333	-0,05516033	0,962487471	BC060267
17549242	3,622353	3,609703	3,56083	3,792771	3,22878	3,605876	3,5976287	3,542475667	-0,055153	0,962492364	---
17312942	9,416952	9,340074	9,38591	9,393077	9,292756	9,291655	9,3809787	9,325829333	-0,05514933	0,96249481	---
17236100	3,335173	3,336487	3,370118	3,218157	3,421698	3,236491	3,3472593	3,292115333	-0,055144	0,962498368	---
17549958	3,335173	3,336487	3,370118	3,218157	3,421698	3,236491	3,3472593	3,292115333	-0,055144	0,962498368	---
17325321	3,15217	3,058601	3,006169	3,044864	3,143087	2,863574	3,0723133	3,017175	-0,05513833	0,962502149	---
17210337	7,908637	7,382452	7,617321	7,768157	7,269642	7,705206	7,6361367	7,581001667	-0,055135	0,962504373	---
17368389	8,668319	8,672056	8,612157	8,680679	8,555696	8,550766	8,650844	8,595713667	-0,05513033	0,962507486	Surf2
17325531	3,109372	3,057745	3,111498	3,029415	3,013027	3,070821	3,0928717	3,037754333	-0,05511733	0,962516159	---
17247015	7,295855	7,434337	7,466151	7,268987	7,362049	7,399956	7,398781	7,343664	-0,055117	0,962516382	Urgcp
17282025	10,32441	10,38525	10,38574	10,24921	10,22087	10,45999	10,365133	10,31002333	-0,05511	0,962521052	Spnb1
17387991	3,250899	3,10286	3,406786	2,986492	3,429845	3,178886	3,253515	3,198407667	-0,05510733	0,962522831	Olfr1252
17544324	3,004005	3,052278	3,270892	2,971852	3,210627	2,979376	3,1090583	3,053951667	-0,05510667	0,962523276	Vmn2r121
17236378	9,082374	9,048482	9,156519	9,025623	9,077947	9,018486	9,0957917	9,040685333	-0,05510633	0,962523498	Arl1
17312716	6,613832	6,509401	6,718943	6,643301	6,481174	6,5524	6,6140587	6,558958333	-0,05510033	0,962527501	Csf2rb
17419608	6,405725	6,257559	6,480377	6,339844	6,316317	6,32223	6,3812203	6,326130333	-0,05509	0,962534395	Fam46b
17544333	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17544335	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17544337	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17544339	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17544341	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17544343	11,973	12,07199	12,2457	12,10423	12,09398	11,92726	12,096897	12,04182333	-0,05507333	0,962545515	Rps12 // Rps12
17321838	4,23082	4,333426	4,38894	4,654041	4,186474	3,947465	4,3177287	4,26266	-0,05506867	0,962548628	Krt83
17500543	8,837342	8,803797	8,861569	8,72453	8,793582	8,819394	8,834236	8,779168667	-0,05506733	0,962549518	Ppp1r3b
17501094	4,67368	4,706292	4,595166	4,718379	4,641473	4,450117	4,6583793	4,603323	-0,05505633	0,962556857	---

17286788	6,027829	5,787524	5,857564	5,686787	6,126414	5,69457	5,8909723	5,835923667	-0,05504867	0,962561972	---	
17492064	2,776227	3,071195	2,973156	2,780037	3,095363	2,780037	2,9401927	2,885145667	-0,055047	0,962563084	---	
17246418	5,336075	5,109068	5,318456	5,355571	5,133893	5,109091	5,254533	5,199518333	-0,05501467	0,962584657	Olfr796	
17266157	9,588144	10,04241	9,722363	9,796654	9,703209	9,688089	9,7843057	9,729317333	-0,05498833	0,962602227	Cpd	
17424421	6,911304	6,752811	6,954466	6,89136	6,789735	6,772523	6,8728603	6,817872667	-0,05498767	0,962602672	Ccl19	
17434190	6,911304	6,752811	6,954466	6,89136	6,789735	6,772523	6,8728603	6,817872667	-0,05498767	0,962602672	Ccl19	
17451811	5,513869	5,073395	5,304992	5,478092	5,146763	5,102451	5,2974187	5,242435333	-0,05498333	0,962605563	---	
17374488	9,339617	9,536724	9,179099	9,266795	9,436983	9,186777	9,3518133	9,296851667	-0,05496167	0,96262002	Thbs1	
17200495	6,511989	7,265649	7,081297	7,358811	6,556518	6,778735	6,9529783	6,898021333	-0,054957	0,962623134	---	
17247823	8,591581	8,629736	8,475063	8,538703	8,571737	8,421086	8,56546	8,510508667	-0,05495133	0,962626915	Pus10	
17205527	7,690274	6,707231	6,952998	7,420537	6,848376	6,916736	7,1168343	7,061883	-0,05495133	0,962626915	---	
17247921	7,153907	6,890532	7,040251	6,991328	6,971362	6,957252	7,02823	6,973314	-0,054916	0,962650491	Vrk2 // Vrk2	
17388897	4,129731	4,081504	4,313226	4,18043	4,081504	4,097781	4,1748203	4,119905	-0,05491533	0,962650936	---	
17234720	5,689606	5,660358	5,899121	5,737961	5,659275	5,687105	5,749695	5,694780333	-0,05491467	0,962651381	C330046G03Rik	
17346664	4,583987	4,160155	4,003574	4,327527	4,314747	3,940718	4,2492387	4,194330667	-0,054908	0,962655829	---	
17247852	8,772904	8,732279	8,741792	8,684567	8,685844	8,711907	8,7489917	8,694106	-0,05488567	0,962670732	Bcl11a	
17502423	8,544881	8,641001	8,669517	8,557178	8,493647	8,639968	8,6184663	8,563597667	-0,05486867	0,962682075	Ap1m1	
17244997	4,251172	3,927551	3,98899	3,996265	4,040506	3,966367	4,0559043	4,001046	-0,05485833	0,962688971	Tph2	
17319501	9,278637	9,373585	9,342442	9,205136	9,349857	9,275136	9,3315547	9,276709667	-0,054845	0,962697868	Rangap1	
17294250	5,034416	5,179221	5,236648	5,130052	5,328428	4,827296	5,150095	5,095258667	-0,05483633	0,962703651	Slc6a18	
17300565	6,353535	5,633504	5,833379	5,854656	5,81112	5,990155	5,9401393	5,885310333	-0,054829	0,962708544	Rnf31	
17513446	5,72027	5,909166	5,835357	5,715919	5,718525	5,865903	5,8215977	5,766782333	-0,05481533	0,962717664	Hsdl1	
17482041	5,538308	5,000725	5,416537	5,360089	5,241522	5,189522	5,3185233	5,263711	-0,05481233	0,962719666	Calcb	
17514754	4,955	5,085936	5,119566	4,920463	5,255177	4,820462	5,0535007	4,998700667	-0,0548	0,962727896	---	
17210487	3,759355	3,389123	3,711263	3,47914	3,19251	4,023706	3,6199137	3,565118667	-0,054795	0,962731233	---	
17238736	3,712343	3,489152	3,915752	3,735563	3,583049	3,634276	3,705749	3,650962667	-0,05478633	0,962737016	---	
17542072	2,922515	2,943108	2,941673	2,907568	2,857174	2,878199	2,9357653	2,880980333	-0,054785	0,962737906	Mir471	
17391287	5,931377	5,461473	6,061766	5,572026	5,823845	5,894517	5,8182053	5,763462667	-0,05474267	0,962766156	Prom2	
17400412	7,832745	8,131443	7,525438	7,746288	7,8482	7,730957	7,8298753	7,775148333	-0,054727	0,962776611	Ensa	
17330306	7,138244	7,283352	7,157374	7,082935	7,174235	7,157646	7,19299	7,138272	-0,054718	0,962782617	Gtf2e1	
17384992	5,346015	5,475594	5,774528	5,484589	5,671298	5,276097	5,5320457	5,477328	-0,05471767	0,96278284	---	
17537766	5,321312	4,949266	4,892461	5,389513	4,635474	4,973922	5,0543463	4,999636333	-0,05471	0,962787956	---	
17544629	5,321312	4,949266	4,892461	5,389513	4,635474	4,973922	5,0543463	4,999636333	-0,05471	0,962787956	---	
17333852	3,249118	3,340492	3,183182	3,189692	3,309126	3,109846	3,2575973	3,202888	-0,05470933	0,962788401	Vmn1r230	
17364392	3,741563	3,99797	3,832021	3,92397	3,616196	3,867274	3,8571847	3,80248	-0,05470467	0,962791515	Cyp2c38	
17207933	6,513415	5,935966	6,592054	5,767423	6,790361	6,319545	6,347145	6,292443	-0,054702	0,962793295	---	
17468708	12,81392	12,54086	12,48991	12,60989	12,55793	12,51278	12,614897	12,5602	-0,05469667	0,962796854	---	
17482247	4,388176	4,217528	4,274154	4,289316	4,217426	4,2091	4,293286	4,238614	-0,054672	0,962813316	Acsm2	
17338684	7,867828	7,879262	7,925224	7,826221	7,946102	7,735995	7,8907713	7,836106	-0,05466533	0,962817765	Mpnd	
17339466	4,227448	4,513472	4,430927	4,333336	4,42108	4,253498	4,3906157	4,335971333	-0,05464433	0,96283178	Spdya	
17399817	6,678473	6,58705	6,751782	6,635853	6,617956	6,599566	6,672435	6,617791667	-0,05464333	0,962832448	S100a7a	
17333696	3,70512	3,362398	3,535063	3,535063	3,692839	3,210752	3,5341937	3,479551333	-0,05464233	0,962833115	Vmn2r90	
17423507	3,101153	3,242314	3,121825	3,068164	3,143386	3,089862	3,1550973	3,100470667	-0,05462667	0,962843571	---	
17549724	5,602032	5,952929	5,815713	5,597013	5,739866	5,869927	5,7902247	5,735602	-0,05462267	0,96284624	---	
17549726	5,602032	5,952929	5,815713	5,597013	5,739866	5,869927	5,7902247	5,735602	-0,05462267	0,96284624	---	
17234363	4,142302	4,255931	4,121065	3,927653	4,305107	4,122671	4,1730993	4,118477	-0,05462233	0,962846463	4933407G14Rik	
17526809	5,129884	5,206898	5,275495	5,227273	5,075731	5,145477	5,2040923	5,149493667	-0,05459867	0,962862258	1600029D21Rik // 1600029D21Rik	
17262136	4,426524	4,143746	4,252492	4,204586	4,174554	4,27983	4,274254	4,219656667	-0,05459733	0,962863148	Gm4926	
17508626	9,482033	9,658441	9,640548	9,552012	9,556795	9,508481	9,593674	9,539096	-0,054578	0,962876051	Gm5908	
17493095	3,773893	3,460487	3,709269	3,54779	3,416655	3,815495	3,647883	3,593313333	-0,05456967	0,962881613	Vmn2r74	
17548432	5,69059	5,968987	6,172242	5,971409	5,872544	5,824177	5,9439397	5,889376667	-0,054563	0,962886062	Gm10091	
17475054	6,309428	6,104993	6,316234	6,191728	6,144938	6,230357	6,2435517	6,189007667	-0,054544	0,962898743	Lypd3	
17253274	5,078498	4,544044	4,900385	4,852355	4,763161	4,743815	4,8409757	4,786443667	-0,054532	0,962906753	2210008F06Rik	
17530128	7,57843	7,726443	7,549313	7,577081	7,461272	7,652238	7,618062	7,563530333	-0,05453167	0,962906975	Nck1	
17269266	6,675989	6,600077	6,701799	6,689418	6,581709	6,543223	6,6592883	6,604783333	-0,054505	0,962924773	Krtap17-1	
17345290	4,787587	4,690832	4,749596	4,637822	4,744096	4,682586	4,7426717	4,688168	-0,05450367	0,962925663	1600014C23Rik	
17297227	7,080219	7,326991	7,100294	7,013561	7,184465	7,146075	7,169168	7,114700333	-0,05446767	0,962949692	Slc4a7	
17238650	3,509637	3,158263	3,319891	3,465577	3,156468	3,20236	3,3292637	3,274801667	-0,054462	0,962953474	Olfr776	
17206109	4,85029	4,510143	4,556449	5,102999	4,381765	4,268733	4,6389607	4,584499	-0,05446167	0,962953697	---	
17289194	3,331629	3,064148	3,017676	3,103092	3,11971	3,0273	3,1378177	3,083367333	-0,05445033	0,962961261	---	
17529962	6,28848	6,430515	6,540257	6,398272	6,362594	6,335046	6,4197507	6,365304	-0,05444667	0,962963709	4930579K19Rik	
17263482	8,65973	8,686331	8,711832	8,611851	8,723392	8,55936	8,6859643	8,631534333	-0,05443	0,962974833	Cops3	
17200177	5,702336	5,286549	5,508153	5,330516	5,485925	5,517382	5,4990127	5,444607667	-0,054405	0,962991521	---	
17325540	5,362496	5,414332	5,403117	5,357894	5,187838	5,471036	5,393315	5,338922667	-0,05439233	0,962999976	Gpr156	
17533234	7,390121	7,193179	6,700898	7,006082	6,981511	7,133451	7,0947327	7,040348	-0,05438467	0,963005093	Sytl5	
17437552	2,863728	2,762903	3,116605	2,88014	2,858224	2,841813	2,914412	2,860059	-0,054353	0,963026231	---	
17458948	3,981416	3,841763	3,79169	3,875733	3,829941	3,746155	3,871623	3,817276333	-0,05434667	0,963030459	Vmn1r12	
17401117	8,403173	8,317144	8,342361	8,162036	8,40233	8,335281	8,354226	8,299882333	-0,05434367	0,963032461	Nras	
17300760	4,166503	4,053535	3,798722	3,982435	3,810958	4,062348	4,0062533	3,951913667	-0,05433967	0,963035131	Rnf17	
17549696	4,055134	4,354659	4,318381	4,063314	4,291178	4,210738	4,2427247	4,18841	-0,05431467	0,96305182	---	
17436035	3,98371	4,083403	4,2253	4,305258	3,956088	3,868144	4,097471	4,043163333	-0,05430767	0,963056492	Dnajc5g	
17526206	6,804281	6,85876	6,828511	6,64238	6,647301	7,038954	6,8305173	6,776211667	-0,05430567	0,963057827	C2cd2l	
17497724	9,44972	9,622613	9,254693	9,239236	9,634039	9,290836	9,442342	9,388037	-0,054305	0,963058272	Ifitm6	
17248754	6,160404	6,364116	6,175995	6,173605	6,07233	6,291779	6,233505	6,179238	-0,054267	0,963083639	Adam19	
17457804	9,035933	8,452298	9,366735	9,098312	8,978295	8,615584	8,9516553	8,897397	-0,05425833	0,963089425	LOC665506	
17538281	4,719571	4,476762	4,787296	4,524432	4,511938	4,784499	4,6612097	4,606956333	-0,05425333	0,963092763	Irs4 // Irs4	
17425941	6,288563	5,633531	5,411956	5,785907	5,536004	5,849401	5,7780167	5,723770667	-0,054246	0,963097658	Mup1	
17361814	7,014452	6,95047	6,953792	6,955444	6,952032	6,848523	6,9729047	6,918666333	-0,05423833	0,963102776	Frmd8	
17362973	6,51013	6,969279	6,517962	6,598754	6,659599	6,576357	6,6657903	6,61157	-0,05422033	0,963114793	Ms4a6d	
17459389	5,708867	5,176551	5,453817	5,710001	5,305602	5,160995	5,4464117	5,392199333	-0,05421233	0,963120133	---	
17292103	5,367804	5,071918	5,359442	5,058865	5,480017	5,097761	5,266388	5,212214333	-0,05417367	0,963145947	---	
17501224	7,27867	7,330667	7,2162	7,222599	7,116183	7,324248	7,275179	7,22101	-0,054169	0,963149062	---	
17299826	6,249992	5,770855	6,137718	6,325342	5,824402	5,846348	6,052855	5,998697333	-0,05415767	0,963156629	---	
17480324	5,676711	5,570149	5,509953	5,235302	5,668946	5,690107	5,5856043	5,531451667	-0,05415267	0,963159967	Kctd21	
17468706	11,31691	11,38161	11,25356	11,2693	11,2292	11,29114	11,31736	11,26321333	-0,05414667	0,963163972	---	
17430397	10,12017	10,20344	10,1009	9,976519	10,09342	10,19214	10,141503	10,08735967	-0,05414367	0,963165975	Hdac1	
17282251	3,191272	3,575867	3,773115	3,488161	3,340706	3,548979	3,513418	3,459282	-0,054136	0,963171094	---	
17233071	7,433079	7,658525	7,296082	6,577758	8,040866	7,606663	7,462562	7,408429	-0,054133	0,963173096	---	
17259422	6,929325	6,901126	6,878852	6,903934	6,873179	6,769814	6,903101	6,848975667	-0,05412533	0,963178215	Anapc11	
17494221	11,99852	12,29081	12,31763	12,13522	12,06631	12,2431	12,20232	12,14821	-0,05411	0,963188452	Hbb-b1	
17431259	6,081095	6,019722	5,957747	5,764093	6,023158	6,109001	6,0195213	5,965417333	-0,054104	0,963192458	E130218I03Rik // E130218I03Rik	
17357230	10,60451	10,74345	10,88431	10,68267	10,65718	10,73013	10,74409	10,68999333	-0,05409667	0,963197354	---	
17339928	6,903676	7,224281	6,805746	6,892214	6,968071	6,91121	6,977901	6,923831667	-0,05406933	0,963215602	Gemin6	
17283968	3,070915	3,050059	3,019252	2,947926	3,05535	2,974762	3,046742	2,992679333	-0,05406267	0,963220054	Mir376a // Mir376a	
17248412	5,39613	5,484467	5,351159	5,364488	5,202476	5,502629	5,4105853	5,356531	-0,05405433	0,963225617	Fam196b	
17353346	4,644887	4,688926	4,869044	4,742644	4,626734	4,671331	4,7342857	4,680236333	-0,05404933	0,963228956	4930455D15Rik	
17491310	3,113776	3,113343	3,14178	3,044821	3,141372	3,020602	3,1229663	3,068931667	-0,05403467	0,963238748	Mrgpra6	
17520675	5,917205	5,519078	5,965922	5,530428	5,72751	5,982208	5,800735	5,746715333	-0,05401967	0,963248763	Foxl2	
17471201	7,219677	7,085457	7,18221	7,275377	7,009417	7,040572	7,162448	7,108455333	-0,05399267	0,96326679	Rad51ap1	
17448411	4,291425	4,091892	4,23002	4,138628	3,954976	4,357804	4,2044457	4,150469333	-0,05397633	0,963277696	1700126H18Rik	
17201215	5,051683	4,898826	5,451434	5,283037	4,238857	5,718136	5,133981	5,08001	-0,053971	0,963281257	---	
17319248	5,697286	5,915371	5,780628	5,758286	5,677893	5,795281	5,7977617	5,74382	-0,05394167	0,963300843	Dmc1	
17352106	3,585369	3,714417	3,695983	3,749721	3,470287	3,613946	3,6652563	3,611318	-0,05393833	0,963303069	---	
17542163	3,259275	3,333705	3,494988	3,409556	3,323205	3,193406	3,362656	3,308722333	-0,05393367	0,963306185	4930567H17Rik	
17315198	3,790703	3,768342	3,723634	3,763558	3,540355	3,817018	3,760893	3,706977	-0,053916	0,963317981	Mir1941	
17275332	9,053637	8,985693	8,875573	8,799685	8,937365	9,016275	8,9716343	8,917775	-0,05385933	0,963355819	G2e3	
17263506	5,116539	5,343241	5,118783	5,176541	5,117771	5,122697	5,1928543	5,139003	-0,05385133	0,963361161	1700013G23Rik	
17500514	6,196123	6,365339	6,329757	6,142663	6,350982	6,23604	6,297073	6,243228333	-0,05384467	0,963365613	---	
17473796	11,26673	11,39121	11,54689	11,42819	11,39593	11,21918	11,40161	11,34776667	-0,05384333	0,963366503	Rps5	
17443797	6,301593	6,309633	6,311823	6,422702	6,259434	6,07945	6,307683	6,253862	-0,053821	0,963381417	Mblac1	
17200093	4,631133	5,450119	5,555579	4,7537	5,492544	5,229153	5,212277	5,158465667	-0,05381133	0,963387872	---	
17396223	5,676297	5,865834	5,87695	5,768367	5,546821	5,942496	5,8063603	5,752561333	-0,053799	0,963396108	Pde7a	
17206601	3,748065	2,973876	3,519237	3,394112	3,267941	3,41775	3,413726	3,359934333	-0,05379167	0,963401005	---	
17241396	9,878615	9,913513	9,892452	9,78513	9,868066	9,870031	9,89486	9,841075667	-0,05378433	0,963405902	Vps26a	
17304993	5,642282	5,35009	5,582645	5,525652	5,425471	5,462563	5,5250057	5,471228667	-0,053777	0,963410799	Zfp488	
17254707	5,328398	4,932738	5,294806	5,209387	5,112977	5,072259	5,185314	5,131541	-0,053773	0,96341347	Tex14	
17377621	6,523017	6,495058	6,48516	6,477697	6,451919	6,412309	6,5010783	6,447308333	-0,05377	0,963415473	5430405G05Rik	
17300185	3,482932	3,369024	3,375138	3,345295	3,354419	3,366079	3,4090313	3,355264333	-0,053767	0,963417477	---	
17283649	11,40231	11,51576	11,52993	11,48942	11,44802	11,34927	11,482667	11,42890333	-0,05376333	0,963419925	Serpina11	
17210143	4,931105	4,615856	4,969792	4,910157	4,743848	4,701458	4,8389177	4,785154333	-0,05376333	0,963419925	---	
17478082	8,44546	8,42396	8,378139	8,326859	8,461115	8,298302	8,415853	8,362092	-0,053761	0,963421483	Nomo1	
17490104	3,226022	3,091169	3,114026	2,843221	3,332548	3,094223	3,143739	3,089997333	-0,05374167	0,963434394	Vmn2r63	
17380729	7,471103	7,486779	7,399146	7,256153	7,398158	7,541538	7,4523427	7,398616333	-0,05372633	0,963444634	Adrm1	
17223446	10,47563	10,54946	10,58673	10,19707	10,581	10,67265	10,537273	10,48357333	-0,0537	0,96346222	Trak2	
17353444	4,198998	4,256032	4,293288	3,995389	4,324023	4,267851	4,2494393	4,195754333	-0,053685	0,963472237	Nme5	
17501520	5,75338	5,682347	5,629613	5,50342	5,924267	5,476598	5,6884467	5,634761667	-0,053685	0,963472237		03/02/17
17269980	5,969863	5,681714	6,163127	5,867298	6,015757	5,770622	5,9382347	5,884559	-0,05367567	0,96347847	Sost	
17325206	5,997415	6,237653	5,839296	6,022095	5,825806	6,065494	6,024788	5,971131667	-0,05365633	0,963491381	Adcy5	
17402556	3,83888	4,208733	4,063614	4,028097	4,03733	3,884852	4,0370757	3,983426333	-0,05364933	0,963496056	Gm5712 // Gm5712	
17232927	3,92715	3,744416	4,142173	3,90237	3,869049	3,88138	3,937913	3,884266333	-0,05364667	0,963497837	---	
17277251	4,880675	4,669665	4,698034	4,581448	4,824511	4,681488	4,749458	4,695815667	-0,05364233	0,963500731	2900006K08Rik	
17234433	5,897789	6,054843	5,836815	6,152785	5,716758	5,759034	5,9298157	5,876192333	-0,05362333	0,963513421	Mmp11	
17489273	3,333154	3,644716	3,516666	3,380872	3,551095	3,401722	3,4981787	3,444563	-0,05361567	0,963518541	4930479M11Rik	
17217562	6,144155	5,589895	6,116438	5,857746	6,080572	5,751344	5,9501627	5,896554	-0,05360867	0,963523216	Gm10535	

17397421	3,340902	3,332546	3,51148	3,48494	3,363698	3,17553	3,394976	3,341389333	-0,05358667	0,963537909	Slc7a11 // Slc7a11
17463638	3,84539	3,897973	3,971938	3,924076	3,866978	3,763526	3,9051003	3,851526667	-0,05357367	0,963546591	Tas2r116
17374686	6,588115	6,939076	6,884768	6,628819	6,758926	6,86351	6,8039863	6,750418333	-0,053568	0,963550376	Rpusd2
17357150	9,710726	9,816753	9,547729	9,534184	9,671033	9,709295	9,691736	9,638170667	-0,05356533	0,963552157	Wdr74
17344497	8,211619	8,293169	8,124321	8,133425	8,224444	8,110552	8,209703	8,156140333	-0,05356267	0,963553938	Mrps18b
17424094	8,820141	8,969347	8,89403	8,8305	8,83028	8,862128	8,894506	8,840969333	-0,05353667	0,963571303	Bag1
17549824	5,178388	5,183341	5,338599	5,232213	4,873259	5,434279	5,2334427	5,179917	-0,05352567	0,96357865	---
17268137	6,425005	6,008198	6,160561	6,220956	6,135659	6,076632	6,1979213	6,144415667	-0,05350567	0,963592008	Itga3
17542967	3,347467	3,282378	3,298235	3,250164	3,242736	3,274684	3,30936	3,255861333	-0,05349867	0,963596684	---
17491366	3,905962	3,577945	3,523421	3,651848	3,632029	3,56303	3,6691093	3,615635667	-0,05347367	0,963613382	Mrgprb3
17387685	7,362379	7,465064	7,524674	7,712104	7,397091	7,082542	7,4507057	7,397245667	-0,05346	0,96362251	Olfr1077-ps1
17308684	3,490093	3,494826	3,452844	3,392002	3,237013	3,648384	3,4792543	3,425799667	-0,05345467	0,963626072	---
17398233	10,7524	10,81521	10,93931	10,73538	10,76512	10,84607	10,83564	10,78219	-0,05345	0,963629189	Smc4
17511167	8,663801	8,618497	8,587	8,478088	8,522151	8,708735	8,6230993	8,569658	-0,05344133	0,963634978	Rad23a
17459490	7,659557	7,52895	7,521494	7,401611	7,555708	7,592393	7,5700003	7,516570667	-0,05342967	0,963642771	Rnf103
17282102	3,117234	3,244513	3,233609	3,120125	3,085605	3,229347	3,198452	3,145025667	-0,05342633	0,963644997	---
17361454	4,966517	4,670183	5,178006	4,997212	4,978575	4,678671	4,9382353	4,884819333	-0,053416	0,963651899	Cnih2
17268240	5,892518	5,647473	5,844947	5,816418	5,601048	5,807225	5,7949793	5,741563667	-0,05341567	0,963652122	4833417C18Rik
17515128	6,194876	6,148495	6,323277	6,142636	6,258385	6,105514	6,222216	6,168845	-0,053371	0,963681958	Keap1
17447689	5,27114	5,051835	5,150446	5,200216	5,112844	5,000258	5,157807	5,104439333	-0,05336767	0,963684184	Zfp518b
17533729	3,395494	3,567881	3,509971	3,369062	3,531058	3,41314	3,4911153	3,437753333	-0,053362	0,96368797	Spaca5
17284894	8,014521	8,008793	7,714752	7,814864	7,739398	8,023729	7,9126887	7,859330333	-0,05335833	0,963690419	Asb13
17391587	6,118919	5,988324	6,041819	5,934754	6,078512	5,975761	6,0496873	5,996342333	-0,053345	0,963699325	---
17519785	4,327301	4,378386	3,894449	4,511217	3,809617	4,119284	4,2000453	4,146706	-0,05333933	0,96370311	4930429F24Rik
17391574	5,231984	4,706383	5,200673	4,982447	5,141554	4,855049	5,0463467	4,993016667	-0,05333	0,963709345	F830045P16Rik
17301200	3,76438	3,820454	3,810009	3,897413	3,773627	3,563815	3,798281	3,744951667	-0,05332933	0,96370979	Defb42
17303821	5,902252	6,088859	5,896672	6,001198	5,764902	5,961749	5,9625943	5,909283	-0,05331133	0,963721814	Zmynd17
17211541	3,60674	3,472628	3,468668	3,533705	3,377599	3,476799	3,516012	3,462701	-0,053311	0,963722037	4930521A18Rik
17305456	8,283092	7,999627	8,518752	8,373222	8,207087	8,061238	8,267157	8,213849	-0,053308	0,96372404	---
17291136	4,903659	5,021094	4,781198	4,779918	4,836267	4,929906	4,9019837	4,848697	-0,05328667	0,963738292	C230035I16Rik
17369948	8,882362	8,898641	8,876423	8,798767	8,714475	8,984368	8,8858087	8,832536667	-0,053272	0,963748089	Mir1954 // Mir1954
17361250	9,144003	9,124067	9,184468	9,06988	9,15544	9,067429	9,150846	9,097583	-0,053263	0,963754102	Kdm2a
17540897	4,424255	4,352179	4,495566	4,376582	4,404817	4,330825	4,424	4,370741333	-0,05325867	0,963756996	---
17417573	7,191959	7,105761	7,249172	7,171908	6,998813	7,216399	7,1822973	7,12904	-0,05325733	0,963757887	Hectd3
17547996	4,685498	4,761238	4,658307	4,79171	4,577107	4,57651	4,701681	4,648442333	-0,05323867	0,963770357	---
17467700	5,522395	5,527895	5,318683	5,51629	5,202826	5,490167	5,4563243	5,403094333	-0,05323	0,963776147	4933431G14Rik // 4933431G14Rik
17449887	6,14038	5,966817	6,066327	6,180129	5,866882	5,966839	6,0578413	6,004616667	-0,05322467	0,963779709	A430089I19Rik
17420438	10,304	10,20399	10,17745	10,18903	10,26192	10,07484	10,22848	10,17526333	-0,05321667	0,963785054	---
17210984	10,41129	10,32091	10,24026	10,27339	10,24479	10,29466	10,324153	10,27094667	-0,05320667	0,963791734	Pcmtd1
17258642	11,00057	11,16623	11,14371	11,03586	11,05462	11,06043	11,103503	11,05030333	-0,0532	0,963796188	Snord1b
17313721	7,901797	7,733947	7,789639	7,723641	7,902344	7,639963	7,808461	7,7555316	-0,053145	0,963832932	Parvg
17387542	5,250088	4,833288	5,255777	4,85254	5,140337	5,186866	5,113051	5,059914333	-0,05313667	0,963838499	P2rx3
17379113	6,110008	5,843434	6,216085	6,048891	5,960395	6,000845	6,056509	6,003377	-0,053132	0,963841617	C330008G21Rik
17265326	6,030058	6,29656	6,246819	6,056449	6,244893	6,11271	6,1911457	6,138017333	-0,05312833	0,963844066	---
17404704	4,417098	4,106346	4,522015	4,211808	4,311744	4,362566	4,3484863	4,295372667	-0,05311367	0,963853865	Gm3143 // Gm3143
17548834	3,235903	3,360146	3,299532	3,127292	3,44678	3,162174	3,298527	3,245415333	-0,05311167	0,963855201	---
17472909	4,52962	4,465092	4,543143	4,542706	4,407153	4,428662	4,5126183	4,459507	-0,05311133	0,963855424	Gm6288
17377405	3,568015	3,395504	3,661624	3,466799	3,421662	3,577391	3,5417143	3,488617333	-0,053097	0,963865	Cst13
17401386	3,993257	4,027357	4,209536	3,916525	4,020593	4,133752	4,0767167	4,023623333	-0,05309333	0,96386745	4930564D02Rik
17428094	7,336823	7,472788	7,511546	7,364691	7,444108	7,353097	7,4403857	7,387298667	-0,053087	0,963871681	Zfyve9
17413399	5,37804	5,313597	5,379089	5,38407	5,29124	5,23619	5,3569087	5,303833333	-0,05307533	0,963879475	---
17494273	4,203717	3,97093	3,89452	3,961263	3,85159	4,097237	4,0230557	3,97003	-0,05302567	0,963912659	Olfr642
17237142	8,921836	9,031186	9,000068	9,013573	8,996043	8,784407	8,9843633	8,931341	-0,05302233	0,963914886	Ppp1r12a
17355270	4,830659	4,789552	4,788431	4,832376	4,487297	4,929915	4,8028807	4,749862667	-0,053018	0,963917781	4930546C10Rik
17416830	10,46339	10,59523	10,56798	10,41021	10,55272	10,50462	10,5422	10,48918333	-0,05301667	0,963918672	Eps15
17497554	8,059896	8,015324	8,135634	8,079807	8,040409	7,931622	8,0702847	8,017279333	-0,05300533	0,963926244	Tubgcp2
17532599	13,81799	13,85596	13,81083	13,73365	13,75963	13,83249	13,82826	13,77525667	-0,05300333	0,963927581	---
17453647	5,814138	5,875764	5,902498	5,795957	5,756467	5,88097	5,8641333	5,811131333	-0,053002	0,963928471	---
17319770	8,780408	8,822138	8,783887	8,705275	8,750839	8,771326	8,7954777	8,74248	-0,05299767	0,963931367	Poldip3
17285842	5,52169	5,345804	5,591379	4,779568	5,676427	5,843955	5,486291	5,433316667	-0,05297433	0,963946957	Hist2h3b // Hist1h3e // Hist1h3b // Hist1
17233741	8,823489	9,073307	8,694456	8,606602	9,033243	8,792493	8,8637507	8,810779333	-0,05297133	0,963948961	---
17473925	3,602498	3,588448	3,769269	3,595264	3,622376	3,583673	3,653405	3,600437667	-0,05296733	0,963951634	Bsph1
17220608	6,009105	6,11201	5,939432	5,985128	6,014355	5,902269	6,0201823	5,967250667	-0,05293167	0,963975465	Gpatch2
17251299	4,876245	4,681784	4,296015	4,55964	4,569147	4,566468	4,6180147	4,565085	-0,05292967	0,963976802	---
17523952	4,301426	4,240832	4,408017	4,162493	4,369256	4,259757	4,3167583	4,263835333	-0,052923	0,963981256	Cntn5
17443024	7,392567	7,420276	7,45102	7,31393	7,482486	7,308688	7,4212877	7,368368	-0,05291967	0,963983484	Tyw1
17550835	3,250056	3,322201	3,479588	3,153102	3,466275	3,273816	3,350615	3,297731	-0,052884	0,964007316	---
17267766	3,546011	3,501816	4,067469	3,668333	3,762403	3,525925	3,7050987	3,652220333	-0,05287833	0,964011102	---
17314629	3,381662	3,590194	3,377162	3,348936	3,488166	3,35332	3,4496727	3,396807333	-0,05286533	0,964019789	4930415O20Rik
17479168	4,140555	4,107736	4,362306	4,174542	4,093737	4,183733	4,2035323	4,150670667	-0,05286167	0,964022239	A730056A06Rik
17415629	5,016004	4,501645	5,498991	4,791055	5,281252	4,785757	5,0055467	4,952688	-0,05285867	0,964024244	---
17372458	3,210386	3,055028	3,095951	3,046941	3,147443	3,008441	3,120455	3,067608333	-0,05284667	0,96403262	---
17332181	7,991058	8,149315	7,929035	8,044369	7,994123	7,872402	8,023136	7,970298	-0,052838	0,964038053	Cryzl1
17292333	5,627461	5,702191	5,69511	5,622276	5,574833	5,669181	5,6749207	5,622096667	-0,052824	0,964047408	Ptpdc1
17478919	7,385448	7,766751	7,941787	7,540835	7,723908	7,670792	7,6979953	7,645178333	-0,052817	0,964052086	Tarsl2
17402111	4,364802	4,464415	4,288479	4,223811	4,341917	4,393538	4,3725653	4,319755333	-0,05281	0,964056764	Gm9916
17417240	8,11559	7,853965	8,067926	8,317041	7,641606	7,920408	8,0124937	7,959685	-0,05280867	0,964057655	Cyp4a31
17501230	6,270338	6,324267	6,352102	6,273179	6,270469	6,244655	6,315569	6,262767667	-0,05280133	0,964062555	Gm19464
17423728	4,448911	4,398594	4,569077	4,35113	4,484082	4,422982	4,472194	4,419398	-0,052796	0,964066119	4930548K13Rik // 4930548K13Rik
17467973	3,701056	3,501931	3,683934	3,579635	3,569971	3,579019	3,6289737	3,576208333	-0,05276533	0,964086612	Reg3g
17551153	4,902014	4,820228	4,749077	5,054964	4,641242	4,616821	4,823773	4,771009	-0,052764	0,964087503	---
17489503	5,439343	5,163127	5,338822	5,201098	5,130487	5,451425	5,313764	5,261003333	-0,05276067	0,96408973	Gm4684 // Gm4684
17506933	8,847151	8,458191	8,60595	8,477488	8,679558	8,596047	8,6370973	8,584364333	-0,052733	0,964108219	1810063B05Rik
17219164	5,26338	5,271706	4,921862	5,085938	5,164009	5,048812	5,152316	5,099586333	-0,05272967	0,964110447	Sh2d1b2
17415290	3,131934	3,465425	3,470375	3,263413	3,256901	3,389242	3,3559113	3,303185333	-0,052726	0,964112897	Mir491
17398368	4,956849	4,731696	4,698824	4,635658	4,706118	4,887444	4,7957897	4,743073333	-0,05271633	0,964119357	4921511C10Rik
17496848	3,018262	3,236495	3,308054	3,328724	3,089496	2,986459	3,1876037	3,134893	-0,05271067	0,964123144	---
17513092	5,536113	5,717609	5,617547	5,550482	5,646851	5,515836	5,6237563	5,571056333	-0,0527	0,964130272	Fa2h
17292101	3,886047	3,710649	3,711536	3,775985	3,80587	3,568302	3,7694107	3,716719	-0,05269167	0,964135841	---
17304131	6,078608	6,073481	6,298318	6,114909	6,074408	6,103015	6,1501357	6,097444	-0,05269167	0,964135841	---
17351652	4,029979	3,668943	3,826179	3,816195	3,746449	3,80446	3,8417003	3,789034667	-0,05266567	0,964153217	---
17204281	2,846894	2,9311	4,046899	3,42792	3,043937	3,19504	3,2749643	3,222299	-0,05266533	0,96415344	---
17219670	3,601759	4,444148	3,862803	4,228117	3,849058	3,67355	3,96957	3,916908333	-0,05266167	0,96415589	Pydc3 // Pydc3
17205033	5,739436	4,968508	5,745883	5,555816	5,293981	5,446056	5,484609	5,431951	-0,052658	0,96415834	---
17209223	5,739436	4,968508	5,745883	5,555816	5,293981	5,446056	5,484609	5,431951	-0,052658	0,96415834	---
17347801	8,351713	8,350288	7,987326	8,065253	8,215037	8,251078	8,2297757	8,177122667	-0,052653	0,964161682	Prepl
17448021	10,34647	10,52994	10,44331	10,44003	10,35209	10,36965	10,439907	10,38725667	-0,05265	0,964163687	Dhx15
17299243	3,725403	3,480229	3,56083	3,495368	3,55884	3,554327	3,5888207	3,536178333	-0,05264233	0,964168811	---
17385063	2,992322	3,093344	3,201956	3,115457	3,131783	2,882504	3,095874	3,043248	-0,052626	0,964179726	---
17538575	11,05591	11,26318	11,16576	11,05972	11,11215	11,15511	11,161617	11,10899333	-0,05262333	0,964181509	Alas2
17201541	4,448703	4,75937	4,30451	4,45794	4,462472	4,434302	4,5041943	4,451571333	-0,052623	0,964181731	---
17415798	5,990545	5,939186	5,919735	5,88863	5,895025	5,907976	5,949822	5,897210333	-0,05261167	0,964189306	Efcab7
17276182	8,942977	8,756189	8,725391	8,8234	8,774603	8,668822	8,8081857	8,755608333	-0,05257733	0,964212252	Jkamp
17217678	5,301782	5,388598	5,329561	5,095586	5,447909	5,318729	5,3399803	5,287408	-0,05257233	0,964215594	Cacna1s
17472581	4,260148	3,937409	4,352139	3,981	4,266166	4,144849	4,183232	4,130671667	-0,05256033	0,964223614	Gm766
17509235	8,51747	8,75313	8,449224	8,455835	8,663635	8,442707	8,5732747	8,520725667	-0,052549	0,964231188	D030016E14Rik
17288219	7,300015	7,424232	7,396698	7,124425	7,322261	7,516619	7,3736483	7,321101667	-0,05254667	0,964232748	Gm10139 // Gm10139
17460152	9,242348	9,205262	9,21778	9,210891	9,060972	9,235915	9,2217967	9,169259333	-0,05253733	0,964238986	Zfml
17502457	5,104568	5,090247	5,102768	5,097651	5,113317	4,929001	5,0991933	5,046656333	-0,052537	0,964239209	Med26
17548036	5,86656	5,893585	5,89083	5,655248	5,952786	5,885345	5,8836583	5,831126333	-0,052532	0,96424255	Gm9258
17533294	6,765357	6,643457	6,624946	6,639429	6,623448	6,613301	6,67792	6,625392667	-0,05252733	0,964245669	Gm14474
17430388	4,230151	4,17477	4,452351	4,245671	4,221477	4,232574	4,2857573	4,233240667	-0,05251667	0,964252799	Tssk3
17493308	3,93791	3,656264	3,74735	3,976294	3,669898	3,537791	3,780508	3,727994333	-0,05251367	0,964254804	---
17486635	5,81914	5,32081	5,746841	5,724317	5,460583	5,544415	5,6289303	5,576438333	-0,052492	0,964269285	Mzf1
17341699	9,603048	9,645098	9,380869	9,273458	9,671874	9,526216	9,543005	9,490516	-0,052489	0,96427129	---
17441652	4,324535	4,560919	4,562501	4,286379	4,418273	4,585841	4,4826517	4,430164333	-0,05248733	0,964272404	Lhx5
17512350	5,607119	5,627151	5,640178	5,659465	5,584149	5,47339	5,624816	5,572334667	-0,05248133	0,964276415	4931428F04Rik
17206909	6,266021	6,352037	6,500333	6,539293	6,53181	5,889878	6,372797	6,320327	-0,05247	0,96428399	---
17448781	5,704705	6,75072	6,467963	6,465245	6,307243	5,993499	6,307796	6,255329	-0,052467	0,964285995	---
17333289	3,375845	3,383857	3,227404	3,218041	3,22956	3,382124	3,3290353	3,276575	-0,05246033	0,964290451	C030013G03Rik // C030013G03Rik
17537271	3,80228	3,949107	4,082889	3,890307	3,821157	3,965444	3,9447587	3,892302667	-0,052456	0,964293347	Zfp711
17320203	5,078254	5,057573	5,242651	5,148323	5,088911	4,983893	5,1261593	5,073709	-0,05245033	0,964297135	Ttll8
17490532	7,06829	6,756483	7,163899	7,042039	7,062865	6,726429	6,996224	6,943777667	-0,05244633	0,964299808	Scaf1
17418187	8,184166	8,171977	8,304112	8,084039	8,239552	8,179342	8,220085	8,167644333	-0,05244067	0,964303596	Pabpc4
17278713	3,640608	3,572966	3,58105	3,155918	3,798754	3,682639	3,598208	3,545770333	-0,05243767	0,964305601	Rtl1 // Rtl1
17353554	12,27549	12,26436	12,23088	12,20318	12,21117	12,19909	12,25691	12,20448	-0,05243	0,964310726	Hspa9
17409649	10,69262	10,63059	10,59887	10,57487	10,66347	10,52645	10,640693	10,58826333	-0,05243	0,964310726	Vcam1
17431174	8,772358	8,626622	8,497624	8,530938	8,6283	8,580119	8,6322013	8,579785667	-0,05241567	0,964320306	Cd52
17329568	4,667963	4,614758	4,806508	4,662586	4,677975	4,591444	4,6964097	4,644001667	-0,052408	0,964325431	Atp13a4
17397268	8,740242	8,922613	8,919744	8,771002	8,798138	8,856255	8,8608663	8,808465	-0,05240133	0,964329887	Plk4
17343483	6,178298	6,04641	6,289408	6,13462	5,968867	6,253453	6,171372	6,11898	-0,052392	0,964336126	Zfp870
17356447	7,06424	7,135149	7,15678	7,291036	6,984726	6,923263	7,118723	7,066341667	-0,05238133	0,964343256	Efemp2
17392956	3,672987	3,078138	3,523641	3,5272	3,375098	3,215331	3,424922	3,372543	-0,052379	0,964344815	Defb26
17482083	9,5966	9,589172	9,498817	9,500303	9,550182	9,476975	9,5615297	9,509153333	-0,05237633	0,964346598	1110004F10Rik

17229644	6,744884	6,656965	6,902549	6,679664	6,729773	6,737839	6,7681327	6,715758667	-0,052374	0,964348157	Tomm40l
17210527	2,674052	3,377439	3,56083	2,813301	3,064609	3,577303	3,204107	3,151737667	-0,05236933	0,964351277	---
17345542	8,048956	8,122078	8,039011	7,821459	8,158549	8,072981	8,070015	8,017663	-0,052352	0,964362863	Ppp2r5d
17514906	2,855742	2,906775	2,811769	2,805317	2,850745	2,761171	2,8580953	2,805744333	-0,052351	0,964363532	---
17374451	5,475755	5,152052	5,175456	5,363938	5,225789	5,056484	5,2677543	5,215403667	-0,05235067	0,964363754	---
17428142	9,169121	9,137947	9,019416	9,022664	9,124407	9,022385	9,108828	9,056485333	-0,05234267	0,964369102	Osbpl9
17203977	6,413485	6,766469	6,79395	6,69897	6,54231	6,575622	6,657968	6,605634	-0,052334	0,964374895	---
17207739	3,358049	4,721283	3,383048	4,278385	3,676204	3,350798	3,8207933	3,768462333	-0,052331	0,964376901	---
17303958	5,2274	5,275793	5,296285	5,286909	5,050609	5,305017	5,2664927	5,214178333	-0,05231433	0,964388042	Dupd1
17309535	5,838745	5,991328	5,851414	5,840708	5,900307	5,783583	5,893829	5,841532667	-0,05229633	0,964400074	Mbnl2
17208147	4,632237	4,90187	4,438873	4,962463	4,256186	4,597442	4,65766	4,605363667	-0,05229633	0,964400074	---
17299767	3,919331	3,900522	3,94367	4,21653	3,786991	3,603116	3,9211743	3,868879	-0,05229533	0,964400742	Olfr1509
17335900	5,995288	5,919897	5,84019	5,745634	6,001756	5,851109	5,9184583	5,866166333	-0,052292	0,964402971	---
17279534	5,451106	5,177385	5,609597	5,329578	5,320657	5,431026	5,412696	5,360420333	-0,05227567	0,964413889	---
17211984	4,540313	4,397795	4,537863	4,584705	4,640182	4,094357	4,4919903	4,439748	-0,05224233	0,964436172	---
17548912	10,67653	10,62432	10,47762	10,5142	10,50385	10,6037	10,592823	10,54058333	-0,05224	0,964437732	Cbx3 // Cbx3
17330314	8,195561	8,248091	8,019917	7,993025	8,123048	8,190783	8,154523	8,102285333	-0,05223767	0,964439292	Ndufb4
17273159	4,82181	4,913138	5,305062	4,846871	5,276218	4,760218	5,0133367	4,961102333	-0,05223433	0,96444152	Ppp1r27
17548133	10,56007	10,9373	10,90034	10,81318	10,72498	10,70287	10,799237	10,74701	-0,05222667	0,964446645	---
17202935	4,507386	4,453229	4,882293	4,8701	4,315145	4,50105	4,6143027	4,562098333	-0,05220433	0,964461575	---
17514853	6,705749	7,041369	6,878862	6,856122	6,771131	6,842116	6,8753267	6,823123	-0,05220367	0,964462021	Slc36a4
17335435	6,017808	6,155876	6,531607	6,167292	6,098034	6,283425	6,235097	6,182917	-0,05218	0,964477843	---
17221544	4,179447	3,977558	4,168912	4,104087	4,076862	3,988496	4,108639	4,056481667	-0,05215733	0,964492996	Tfap2d
17410031	5,365795	5,245042	5,613001	5,200336	5,349587	5,517462	5,407946	5,355795	-0,052151	0,96449723	Synpo2
17389704	4,680565	5,05339	4,667115	4,747226	4,717359	4,780066	4,8003567	4,748217	-0,05213967	0,964504807	A930104D05Rik
17535734	3,439956	2,675952	2,993496	2,927043	2,836474	3,189484	3,036468	2,984333667	-0,05213433	0,9645083	---
17399876	4,177296	4,064938	4,511601	4,20325	4,163224	4,230987	4,2512783	4,199153667	-0,05212467	0,9645148	Sprr2f
17549368	5,504698	5,834517	6,061872	5,711276	5,755249	5,778202	5,8003623	5,748242333	-0,05212	0,964517955	---
17549746	5,504698	5,834517	6,061872	5,711276	5,755249	5,778202	5,8003623	5,748242333	-0,05212	0,964517955	---
17339554	8,671172	8,548943	8,55778	8,589162	8,490112	8,542289	8,5926317	8,540521	-0,05211067	0,964524195	Lbh
17279088	6,126512	6,162035	6,147232	5,916558	6,213398	6,149529	6,1452597	6,093161667	-0,052098	0,964532663	Amn
17366754	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366766	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366776	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366786	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366798	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366822	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366834	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366858	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366870	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366882	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366908	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17366920	4,004303	4,101352	3,50473	4,206144	3,315062	3,93289	3,8701283	3,818032	-0,05209633	0,964533777	Mir669a-1 // Mir669a-1
17529229	2,990992	3,007552	3,123099	3,063287	2,927643	2,974432	3,0405477	2,988454	-0,05209367	0,96453556	---
17357801	4,456511	3,998589	4,324008	4,323291	4,252102	4,047457	4,2597027	4,207616667	-0,052086	0,964540686	Olfr1441
17392633	5,225247	5,650468	5,542796	5,218325	5,47269	5,571371	5,472837	5,420795333	-0,05204167	0,964570326	Zfp120 // Zfp120
17207099	3,499334	3,330931	3,378736	3,266226	3,477529	3,309126	3,4030003	3,350960333	-0,05204	0,964571441	---
17402977	3,561119	3,620055	3,443643	3,394487	3,552005	3,522206	3,5416057	3,489566	-0,05203967	0,964571663	---
17452873	7,797706	8,061277	8,000879	7,920845	7,938328	7,844589	7,9532873	7,901254	-0,05203333	0,964575898	Eif2b1
17506752	2,956969	3,182292	2,911892	2,9045	3,04637	2,944232	3,017051	2,965034	-0,052017	0,964586818	---
17241981	5,836306	5,926929	6,001292	5,735572	5,979658	5,893274	5,921509	5,869501333	-0,05200767	0,964593059	Mmp11
17509591	5,031878	4,845589	4,990294	4,876276	4,919171	4,916367	4,9559203	4,903938	-0,05198233	0,964609997	Tll1
17333872	6,737584	6,885446	6,711664	6,686683	6,878877	6,613234	6,7782313	6,726264667	-0,05196667	0,964620472	Zfp160
17427928	5,890664	5,870051	6,099994	5,893298	5,936467	5,875083	5,9535697	5,901616	-0,05195367	0,964629164	Dio1
17459712	4,130691	3,813649	3,77917	3,718918	3,978034	3,870744	3,9078367	3,855898667	-0,051938	0,964639639	Gm20560
17363154	4,103854	3,953605	3,483532	3,857157	3,766465	3,761589	3,846997	3,795070333	-0,05192667	0,964647217	Olfr1475
17434141	6,543142	6,296621	6,683295	6,519432	6,325003	6,522917	6,507686	6,455784	-0,051902	0,96466371	Ccl19
17227810	3,438023	3,527135	3,460742	3,424343	3,483575	3,362293	3,4753	3,423403667	-0,05189633	0,964667499	---
17246577	5,874774	5,810896	5,869185	5,921932	5,827775	5,649518	5,8516183	5,799741667	-0,05187667	0,96468065	Pik3ip1
17374137	4,105331	4,138167	4,168805	4,172001	4,042615	4,042139	4,1374343	4,085585	-0,05184933	0,964698927	Slc5a12
17387672	2,786518	3,086382	3,189512	2,992045	2,910593	3,004241	3,020804	2,968959667	-0,05184433	0,96470227	Olfr1058
17242856	6,80923	7,340844	7,131864	7,070695	7,100592	6,955172	7,0939793	7,042153	-0,05182633	0,964714307	2310011J03Rik
17281477	3,721076	3,478396	3,573906	3,732045	3,486413	3,399453	3,591126	3,539303667	-0,05182233	0,964716981	---
17458385	5,612846	5,60439	5,57901	5,640837	5,286128	5,713885	5,5987487	5,54695	-0,05179867	0,964732807	Gimap5
17424034	3,869468	4,093532	3,691924	3,840228	3,905784	3,753519	3,8849747	3,833177	-0,05179767	0,964733476	4933428C19Rik // 4933428C19Rik
17378440	5,482994	6,046844	5,896408	5,734409	5,788404	5,748074	5,8087487	5,756962333	-0,05178633	0,964741055	Procr
17234716	5,09689	4,567762	4,957929	4,743337	5,036233	4,68773	4,8741937	4,822433333	-0,05176033	0,964758441	Gm10100
17269343	4,040563	4,337238	4,083148	4,013481	4,149793	4,142406	4,1536497	4,101893333	-0,05175633	0,964761116	---
17370269	4,179262	4,370976	4,355401	4,089267	4,402646	4,258488	4,3018797	4,250133667	-0,051746	0,964768026	9030204H09Rik
17379990	4,360913	4,384897	4,831313	4,388447	4,439078	4,594411	4,5257077	4,473978667	-0,051729	0,964779395	---
17426251	5,891743	5,603348	5,815381	5,80887	5,634486	5,711943	5,7701573	5,718433	-0,05172433	0,964782515	Kif12
17404109	8,898458	9,010294	8,837955	8,865631	8,839123	8,886802	8,915569	8,863852	-0,051717	0,964787419	Impa1
17205203	6,254818	6,024207	6,541655	6,15891	6,105115	6,401511	6,27356	6,221845333	-0,05171467	0,96478898	---
17209393	6,254818	6,024207	6,541655	6,15891	6,105115	6,401511	6,27356	6,221845333	-0,05171467	0,96478898	---
17536848	3,825488	3,954236	4,246272	3,998934	3,812256	4,059671	4,0086653	3,956953667	-0,05171167	0,964790986	8030474K03Rik
17423337	4,083868	4,062224	3,818449	4,246981	3,703469	3,859092	3,9881803	3,936514	-0,05166633	0,964821303	---
17456934	11,28284	11,19524	11,11227	11,19309	11,05555	11,1868	11,196783	11,14514667	-0,05163667	0,964841143	Mest
17433610	6,301579	6,401834	6,341574	6,160587	6,358981	6,370518	6,348329	6,296695333	-0,05163367	0,964843149	Arhgef16
17543214	6,813124	6,864583	6,916485	6,833274	6,794403	6,81163	6,8647307	6,813102333	-0,05162833	0,964846716	Zfx
17232181	4,483706	4,331009	4,393875	4,614216	4,220791	4,218728	4,4028633	4,351245	-0,05161833	0,964853404	Taar4
17448135	4,464962	4,325379	4,375489	4,239702	4,313178	4,458119	4,38861	4,336999667	-0,05161033	0,964858754	Cckar
17291343	7,246031	7,150689	7,327423	7,173635	7,181481	7,214211	7,241381	7,189775667	-0,05160533	0,964862098	Gmnn
17382489	7,768545	7,879495	7,927817	7,764177	7,843259	7,813607	7,858619	7,807014333	-0,05160467	0,964862544	Ssna1
17358706	11,06717	11,07783	10,94463	10,93223	10,97266	11,03003	11,029877	10,97830667	-0,05157	0,964885729	Pten
17412330	5,121601	4,743805	4,827543	4,800304	4,875058	4,862893	4,8976497	4,846085	-0,05156467	0,964889296	Lasc1 // Lasc1
17480439	4,581343	4,525166	4,538571	4,449923	4,604492	4,436012	4,54836	4,496809	-0,051551	0,964898437	Gdpd4
17220934	5,960513	5,801689	5,688477	5,6757	5,886611	5,733733	5,816893	5,765348	-0,051545	0,964902449	---
17296124	7,329705	6,773232	7,057326	7,107779	6,856891	7,040985	7,053421	7,001885	-0,051536	0,964908469	---
17548119	5,514989	5,381143	5,317138	5,263067	5,406561	5,389049	5,4044233	5,352892333	-0,051531	0,964911813	Gm10815
17441587	4,710528	4,799522	5,008633	4,585529	4,785004	4,993563	4,839561	4,788032	-0,051529	0,964913151	G630008E18
17209161	3,488983	4,197963	4,049281	3,661209	3,832943	4,087492	3,9120757	3,860548	-0,05152767	0,964914042	---
17362609	6,859857	6,860788	6,919454	6,819581	6,929061	6,736892	6,880033	6,828511333	-0,05152167	0,964918055	Fen1
17234747	6,513415	6,088281	6,183754	6,218175	6,435448	5,977266	6,2618167	6,210296333	-0,05152033	0,964918947	1810043G02Rik
17389962	6,065315	5,93104	6,087172	5,988646	5,981	5,959343	6,0278423	5,976329667	-0,05151267	0,964924075	Rpap1
17244191	9,987987	10,02591	10,03259	9,939515	9,956171	9,996266	10,015496	9,963984	-0,05151167	0,964924744	Tmpo
17525722	3,965736	3,725183	3,760499	3,908149	3,767019	3,62175	3,8171393	3,765639333	-0,0515	0,964932547	Olfr947-ps1
17333107	4,847333	4,49086	4,853806	4,74936	4,92516	4,363037	4,7306663	4,679185667	-0,05148067	0,964945478	T2
17296104	6,222934	6,240121	6,063895	6,024364	6,303044	6,04515	6,17565	6,124186	-0,051464	0,964956625	Ndufaf2
17462830	3,842773	3,09192	3,160444	3,625409	2,943975	3,371384	3,3650457	3,313589333	-0,05145633	0,964961753	---
17529003	4,530784	4,423763	4,258865	4,424182	4,344559	4,290302	4,4044707	4,353014333	-0,05145633	0,964961753	Omt2a
17460938	5,277959	5,216413	5,403013	5,226779	5,253742	5,262507	5,2991283	5,247676	-0,05145233	0,964964429	---
17231619	3,45424	3,533818	3,809049	3,300533	3,518066	3,824157	3,5990357	3,547585333	-0,05145033	0,964965766	---
17546055	6,29441	6,244153	6,015886	6,122543	5,731179	6,546394	6,1848163	6,133372	-0,05144433	0,96496978	Egfl6
17262340	11,31855	11,62709	11,46128	11,33177	11,27219	11,64863	11,468973	11,41753	-0,05144333	0,964970448	---
17550394	11,0011	11,25539	11,20263	11,04068	11,16072	11,10342	11,15304	11,10160667	-0,05143333	0,964977137	---
17264482	6,32987	6,652903	6,705096	6,489963	6,633327	6,410323	6,562623	6,511204333	-0,05141867	0,964986947	Pfas
17284509	4,063729	3,896184	4,005614	3,992451	4,000248	3,818637	3,988509	3,937112	-0,051397	0,96500144	---
17240685	3,046152	2,9105	2,930868	2,846127	2,970685	2,916523	2,9625067	2,911111667	-0,051395	0,965002778	---
17405754	3,514011	3,450102	3,446679	3,495961	3,307138	3,453524	3,470264	3,418874333	-0,05138957	0,965006345	---
17313091	6,760902	6,815048	6,755911	6,912277	6,583576	6,681857	6,777287	6,725903333	-0,05138367	0,965010358	Smcr7l
17375885	5,11937	4,867807	5,023265	4,932996	5,051091	4,872237	5,0034807	4,952108	-0,05137267	0,965017716	Gpat2
17290121	9,451486	9,458843	9,518334	9,441198	9,398619	9,434742	9,476221	9,424853	-0,051368	0,965020838	Paip1
17542718	6,198693	5,958389	6,263416	6,146403	6,061118	6,05891	6,140166	6,088810333	-0,05135567	0,965029088	DXBay18 // DXBay18
17319134	5,079021	5,433676	5,304819	5,31988	5,257785	5,085787	5,2725053	5,221150667	-0,05135467	0,965029756	Sox10
17213702	8,010436	7,985826	7,817933	7,756946	7,902933	8,000254	7,938065	7,886711	-0,051354	0,965030202	Pikfyve
17394454	8,725624	9,482935	9,936469	9,826155	9,277564	8,887249	9,381676	9,330322667	-0,05135333	0,965030648	Ocstamp
17220787	5,395031	5,081196	5,371119	5,086016	5,199988	5,407324	5,2824487	5,231109333	-0,05133933	0,965040013	Batf3
17396064	3,84539	3,224125	3,71822	3,57314	3,277144	3,783456	3,5959117	3,54458	-0,05133167	0,965045141	Gm9833
17205533	2,784333	4,346232	4,537863	3,651848	3,651848	4,210738	3,889476	3,838144667	-0,05133133	0,965045364	---
17314848	4,61789	4,577854	5,060022	4,827682	4,621687	4,652419	4,751922	4,700596	-0,051326	0,965048932	Aqp6
17294691	3,884115	3,764686	3,752829	3,754945	3,707979	3,78473	3,8005433	3,749218	-0,05132533	0,965049378	A230107N01Rik
17254015	4,989518	4,92685	4,88094	5,06959	4,798777	4,774967	4,932436	4,881111333	-0,05132467	0,965049824	---
17308672	5,235575	5,167064	4,80701	4,857524	5,272425	4,925746	5,069883	5,018565	-0,051318	0,965054283	---
17358212	5,287195	5,278311	5,224212	5,136053	5,375622	5,124101	5,2632393	5,211925333	-0,051314	0,965056959	2410080I02Rik
17485266	5,796923	5,776407	5,936872	5,697223	5,789776	5,86931	5,836734	5,785436333	-0,05129767	0,965067885	Igf2as
17421120	7,556429	7,483404	7,431534	7,346568	7,420846	7,550076	7,4904557	7,439163333	-0,05129233	0,965071453	Casp9
17457680	3,153102	3,326508	3,233192	2,993361	3,169432	3,396139	3,2376007	3,186310667	-0,05129	0,965073013	---
17491335	3,636002	3,759569	3,504909	3,620518	3,389658	3,736472	3,6334933	3,582216	-0,05127733	0,965081487	Mrgpra3
17348674	12,29478	12,44938	12,48287	12,42995	12,29144	12,35184	12,40901	12,35774333	-0,05126667	0,965088622	---
17248196	7,287062	7,24291	7,222911	7,190282	7,200007	7,208821	7,250961	7,199703333	-0,05125767	0,965094643	Asb3
17422902	5,330616	5,049158	5,37651	5,241735	5,121642	5,239142	5,2520947	5,200839667	-0,051255	0,965096427	9930005F22Rik
17236705	5,771061	5,61154	5,703915	5,663771	5,586025	5,682978	5,6955053	5,644258	-0,05124733	0,965101555	---
17474740	3,640696	3,69283	3,473754	3,912274	3,363219	3,378137	3,6024267	3,55121	-0,05121667	0,96512207	Vmn1r113
17525784	4,508048	4,548563	4,538101	4,552859	4,536014	4,352192	4,5315707	4,480355	-0,05121567	0,965122739	Olfr976

17341340	4,783373	5,364448	5,18841	5,0719	4,958718	5,15199	5,112077	5,060869333	-0,05120767	0,965128091	Fpr-rs3	
17525007	9,336692	9,369561	9,503867	9,418808	9,350959	9,286754	9,4033733	9,352173667	-0,05119967	0,965133443	Dpy19l1	
17514967	3,265814	2,742072	2,975264	2,916799	3,056942	2,855816	2,9943833	2,943185667	-0,05119767	0,965134781	Olfr871	
17210667	4,546528	4,581224	4,739725	4,599556	4,638536	4,475859	4,6224923	4,571317	-0,05117533	0,965149721	---	
17452018	6,07973	5,90194	6,001498	6,075107	5,783693	5,970869	5,9943893	5,943223	-0,05116633	0,965155742	1110008J03Rik	
17249437	5,579162	5,336031	5,314025	5,424117	5,296856	5,354867	5,4097393	5,358613333	-0,051126	0,965182725	---	
17417732	5,404676	5,383482	5,472223	5,397285	5,345269	5,364542	5,420127	5,369032	-0,051095	0,965203465	---	
17225146	4,944304	5,249745	5,278573	5,151353	5,016491	5,151494	5,1575407	5,106446	-0,05109467	0,965203688	---	
17473625	4,548945	4,729467	4,466702	4,509898	4,498987	4,582951	4,5817047	4,530612	-0,05109267	0,965205026	Olfr1344	
17453679	8,108959	8,21989	8,26133	8,153026	8,154764	8,129114	8,1967263	8,145634667	-0,05109167	0,965205695	Lrwd1	
17379077	4,95483	4,524825	5,220752	5,046861	4,654418	4,84589	4,9001357	4,849056333	-0,05107933	0,965213947	Lpin3	
17200637	3,072422	3,210499	3,9273	3,10234	3,525576	3,429069	3,403407	3,352328333	-0,05107867	0,965214393	---	
17525141	3,917258	3,804332	3,789693	3,751382	3,596749	4,010022	3,8370943	3,786051	-0,05104333	0,965238032	Gm1110	
17550705	3,82051	3,665308	3,79183	3,550841	3,762965	3,81072	3,759216	3,708175333	-0,05104067	0,965239816	---	
17439580	4,841783	4,846303	4,882776	4,801488	4,707523	4,908815	4,856954	4,805942	-0,051012	0,965258996	---	
17376278	6,327305	6,039921	6,203483	6,110928	6,200112	6,106637	6,1902363	6,139225667	-0,05101067	0,965259888	Ebf4	
17452615	7,343036	7,620848	7,288638	7,41404	7,402514	7,282946	7,4175073	7,3665	-0,05100733	0,965262118	Diablo	
17343251	9,462514	9,235519	9,394735	9,358202	9,212657	9,368889	9,364256	9,313249333	-0,05100667	0,965262564	U2af1	
17345827	4,627484	4,763793	4,907253	4,770443	4,749527	4,625552	4,7661767	4,715174	-0,05100267	0,965265241	---	
17481346	4,492183	3,44717	4,32055	4,216635	3,942318	3,948001	4,0866343	4,035651333	-0,050983	0,965278399	Olfr677	
17481352	5,52427	5,78055	5,680849	5,747206	5,207461	5,878086	5,6618897	5,610917667	-0,050972	0,965285759	Olfr681	
17464692	10,66223	10,67529	10,57551	10,44258	10,7731	10,54454	10,637677	10,58674	-0,05093667	0,9653094	Shfm1	
17479826	5,040026	4,694913	4,710731	4,801228	4,672694	4,818951	4,8152233	4,764291	-0,05093233	0,9653123	---	
17538431	3,899144	4,455452	4,313391	4,401146	4,203674	3,910455	4,2226623	4,171758333	-0,050904	0,965331258	Mir1912	
17409243	5,977015	5,835154	6,017782	5,88626	5,828435	5,962559	5,943317	5,892418	-0,050899	0,965334604	Atxn7l2	
17381622	4,238583	4,530635	4,705539	4,544487	4,432266	4,345336	4,4915857	4,440696333	-0,05088933	0,965341072	---	
17244732	4,41078	4,528026	4,567805	4,432676	4,452473	4,46883	4,5022037	4,451326333	-0,05087733	0,965349101	Myf6	
17200945	3,741353	3,589469	3,843367	3,246965	3,816004	3,958595	3,7247297	3,673854667	-0,050875	0,965350663	---	
17324398	8,35921	8,69682	8,426141	8,379779	8,47108	8,478692	8,494057	8,443183667	-0,05087333	0,965351778	Snora81	
17480500	6,354486	6,123564	6,25158	6,196639	6,266473	6,113902	6,24321	6,192338	-0,050872	0,96535267	Wnt11	
17438621	8,413809	8,315431	8,320512	8,238557	8,355564	8,30303	8,3499173	8,299050333	-0,050867	0,965356016	Ugt2b35	
17537126	4,794435	4,743846	4,456505	4,585767	4,658724	4,597743	4,6649287	4,614078	-0,05085067	0,965366945	A630033H20Rik	
17514033	9,568439	9,616579	9,591228	9,505528	9,507394	9,610807	9,592082	9,541243	-0,050839	0,965374751	Abcb10	
17257405	6,840866	7,015578	6,89983	7,008023	6,78274	6,813027	6,918758	6,86793	-0,050828	0,965382112	Tanc2	
17467282	4,00469	4,417462	4,288873	4,256128	4,26984	4,032588	4,2370083	4,186185333	-0,050823	0,965385458	---	
17477073	6,489456	6,217309	5,86718	6,390742	5,914958	6,115777	6,191315	6,140492333	-0,05082267	0,965385681	Siglecg	
17281971	8,90578	8,707937	8,745485	8,714119	8,719435	8,77319	8,7864007	8,735581333	-0,05081933	0,965387911	Sgpp1	
17508300	8,697452	8,856098	8,632957	8,629438	8,698483	8,706187	8,7288357	8,678036	-0,05079967	0,965401072	Adam9	
17214543	7,98672	7,986266	8,219095	8,09552	7,940241	8,003929	8,064027	8,01323	-0,050797	0,965402856	Gmppa	
17354012	4,471335	4,558436	4,851045	4,769281	4,25389	4,705286	4,6269387	4,576152333	-0,05078633	0,965409994	---	
17449427	2,913384	3,007293	3,083102	2,835066	3,079018	2,937352	3,0012597	2,950478667	-0,050781	0,965413563	Mir3969	
17409261	5,623109	5,519882	5,824075	5,423038	5,683062	5,708666	5,6556887	5,604922	-0,05076667	0,965423154	Sypl2	
17508968	8,671687	8,841029	8,579985	8,588812	8,688178	8,663495	8,697567	8,646828333	-0,05073867	0,965441892	Frg1	
17367533	4,185475	4,089101	4,005594	4,140108	3,785281	4,202594	4,09339	4,042661	-0,050729	0,96544836	1700092C17Rik	
17424298	9,38435	9,425604	9,489722	9,402899	9,337626	9,407043	9,4332253	9,382522667	-0,05070267	0,965465983	Dctn3	
17278436	10,16332	10,34975	10,15409	10,13702	10,13679	10,24128	10,222387	10,17169667	-0,05069	0,96547446	Papola	
17381184	8,607164	8,534792	8,410707	8,432229	8,494182	8,474184	8,5175543	8,466865	-0,05068933	0,965474906	Polr3k	
17429270	3,913186	3,909832	4,298987	4,002551	3,954347	4,013052	4,0406683	3,989983333	-0,050685	0,965477806	---	
17311476	3,861796	3,938928	3,821991	3,748133	3,723773	3,998797	3,8742383	3,823567667	-0,05067067	0,965487398	Slc30a8	
17328042	11,4729	11,61678	11,60897	11,56479	11,54702	11,43483	11,566217	11,51554667	-0,05067	0,965487844	Rpl35a // Rpl35a	
17367381	5,409994	5,081353	5,499445	5,289178	5,418623	5,131004	5,330264	5,279601667	-0,05066233	0,965492975	---	
17461677	8,094465	8,177507	8,010983	7,908255	8,166275	8,056465	8,0943183	8,043665	-0,05065333	0,965498998	Jagn1	
17546980	3,595924	3,949264	4,360998	3,389137	4,646409	3,718715	3,9687287	3,918087	-0,05064167	0,965506805	LOC100040235	
17486515	4,541399	4,580173	4,260505	4,415945	4,449759	4,364487	4,4606923	4,410063667	-0,05062867	0,965515506	Gm6929	
17524535	9,280781	9,501987	9,565939	9,298986	9,437365	9,460476	9,449569	9,398942333	-0,05062667	0,965516844	Dnmt1	
17363777	11,96058	12,26012	12,09194	11,95911	12,03759	12,1641	12,104213	12,0536	-0,05061333	0,965525767	---	
17317708	6,643829	6,147617	6,565199	6,465194	6,417508	6,322113	6,452215	6,401605	-0,05061	0,965527998	Mir30d	
17400020	6,245943	6,055463	5,925129	5,671716	6,326449	6,076557	6,0755117	6,024907333	-0,05060433	0,965531791	---	
17221246	11,06127	11,13187	11,10505	11,12889	11,03304	10,98446	11,099397	11,04879667	-0,0506	0,965534691	---	
17355479	5,523795	5,456999	5,458372	5,401987	5,457153	5,428256	5,479722	5,429132	-0,05059	0,965541383	2900057B20Rik	
17207281	3,779605	3,235874	3,641642	3,586695	3,583786	3,334941	3,5523737	3,501807333	-0,05056633	0,965557223	---	
17533088	4,479407	4,203333	4,459345	4,395679	4,223542	4,371175	4,380695	4,330132	-0,050563	0,965559454	2900002K06Rik	
17421444	8,951361	8,824568	8,764504	8,791224	8,837835	8,7597	8,846811	8,796253	-0,050558	0,9655628	Gm13251 // Gm13251	
17250365	8,321863	8,453651	8,332905	8,278724	8,364526	8,313509	8,369473	8,318919667	-0,05055333	0,965565923	4933439F18Rik	
17201813	5,964783	4,359918	5,841163	5,205484	5,236846	5,571885	5,3886213	5,338071667	-0,05054967	0,965568377	---	
17201989	5,964783	4,359918	5,841163	5,205484	5,236846	5,571885	5,3886213	5,338071667	-0,05054967	0,965568377	---	
17418215	3,573668	3,58537	3,524656	3,575473	3,552563	3,404044	3,5612313	3,510693333	-0,050538	0,965576186	---	
17333192	4,279911	4,252075	4,421753	4,362349	4,161144	4,278643	4,317913	4,267378667	-0,05053433	0,96557864	---	
17425615	9,676063	9,781947	9,592439	9,587525	9,658316	9,653014	9,683483	9,632951667	-0,05053133	0,965580648	Txn1	
17522497	5,569831	5,530674	5,784092	5,497722	5,540064	5,695239	5,628199	5,577675	-0,050524	0,965585556	Prss50	
17208549	5,20963	4,601007	5,62668	5,415475	5,042127	4,828156	5,1457723	5,095252667	-0,05051967	0,965588456	---	
17537356	3,77188	3,572845	3,568164	3,494044	3,602498	3,664799	3,6376297	3,587113667	-0,050516	0,96559091	Pcdh11x	
17306420	8,325968	8,016323	8,489811	8,408441	8,169466	8,102659	8,2773673	8,226855333	-0,050512	0,965593587	---	
17417669	4,704936	4,570549	4,593542	4,479519	4,649692	4,588326	4,623009	4,572512333	-0,05049667	0,96560385	---	
17427650	4,184118	3,82536	4,374865	4,241382	4,056242	3,935246	4,1281143	4,077623333	-0,050491	0,965607643	BB031773	
17391376	8,872921	8,895247	8,955173	8,893236	8,795633	8,883014	8,9077803	8,857294333	-0,050486	0,965610989	Bub1	
17459741	3,415504	3,559647	3,251868	3,553077	3,121987	3,400532	3,4090063	3,358532	-0,05047433	0,965618798	Gm5576	
17493312	5,981371	5,9187	5,986201	5,81914	5,932849	5,982862	5,9620907	5,911617	-0,05047367	0,965619244	Ankrd42	
17494269	4,570044	4,09628	4,333778	4,523731	4,073961	4,25101	4,3333673	4,282900667	-0,05046667	0,965623929	---	
17362289	7,6246	7,832636	7,710034	7,615847	7,549855	7,850192	7,7224233	7,671964667	-0,05045867	0,965629284	Mark2	
17465772	5,243001	5,160323	4,980848	5,117792	5,098732	5,016313	5,1280573	5,077612333	-0,050445	0,965638431	2010107G12Rik	
17277161	4,101448	3,87375	4,149887	3,951255	3,955608	4,066959	4,041695	3,991274	-0,050421	0,965654495	Acot5	
17490608	9,03729	9,175044	9,220874	9,093329	9,264827	8,923795	9,1444027	9,093983667	-0,050419	0,965655834	Snord33	
17315312	8,248631	8,262257	8,46305	8,373472	8,222239	8,227005	8,324646	8,274238667	-0,05040733	0,965663643	Soat2	
17282457	6,706948	6,879774	6,791709	6,709748	6,782552	6,734957	6,7928103	6,742419	-0,05039133	0,965674353	Acot4	
17492031	5,080171	4,77512	5,202537	4,863948	5,326211	4,716497	5,019276	4,968885333	-0,05039067	0,965674799	4833412C05Rik	
17398425	3,912696	3,788899	3,909455	3,757575	3,84188	3,860502	3,87035	3,819985667	-0,05036433	0,965692425	A830029E22Rik	
17548172	4,62313	4,946035	4,744408	4,532688	4,771559	4,858245	4,771191	4,720830667	-0,05036033	0,965695103	---	
17548008	5,372116	5,275547	5,482509	5,194792	5,388094	5,396245	5,376724	5,326377	-0,050347	0,965704028	Gm4947	
17397117	4,065867	4,211958	4,33521	4,23004	4,078101	4,153918	4,204345	4,154019667	-0,05032533	0,965718531	---	
17424876	3,391838	3,519392	3,510643	3,430308	3,438807	3,401808	3,4739577	3,423641	-0,05031667	0,965724332	Mir5106	
17441692	5,213337	5,214407	5,518339	5,213041	5,313483	5,268623	5,315361	5,265049	-0,050312	0,965727456	Iqcd	
17519314	4,535293	4,803079	4,479033	4,536233	4,562024	4,568245	4,6058017	4,555500667	-0,050301	0,96573482	---	
17507520	3,71345	3,647194	3,6421	3,635385	3,608525	3,607936	3,6675813	3,617282	-0,05029933	0,965735935	Atp11a	
17381397	4,525922	4,776008	4,38841	4,486783	4,567864	4,484814	4,5634467	4,513153667	-0,050293	0,965740175	---	
17281388	7,324087	7,372653	7,180945	7,04917	7,351148	7,326499	7,2925617	7,242272333	-0,05028933	0,965742629	Fbxo33	
17222913	8,543246	8,669147	8,588848	8,635495	8,430581	8,584406	8,6004137	8,550160667	-0,050253	0,965766951	Nab1	
17201487	3,634146	4,479484	3,931936	4,200455	3,794019	3,900455	4,0151887	3,964976333	-0,05021233	0,965794175	---	
17367192	8,969692	9,084117	8,915591	9,018518	8,975114	8,825175	8,9898	8,939602333	-0,05019767	0,965803993	Arl5b	
17427488	4,821048	5,047423	5,043305	4,954704	4,906774	4,899716	4,970592	4,920398	-0,050194	0,965806448	---	
17439164	9,604772	9,559986	9,528548	9,515327	9,573828	9,453614	9,5644353	9,514256333	-0,050179	0,965816489	Sept11	
17323302	9,159292	9,21265	9,091578	9,090158	9,149815	9,073036	9,1545067	9,104336333	-0,05017033	0,965822291	Pkp2	
17421828	6,658794	6,601161	6,561043	6,617308	6,441144	6,612037	6,6069993	6,556829667	-0,05016967	0,965822738	Clstn1	
17525186	6,105704	6,052894	5,894515	5,674214	6,015807	6,21263	6,0177043	5,967550333	-0,050154	0,965833226	Jam3	
17446068	6,990533	7,073109	6,91985	6,953177	6,857017	7,022894	6,9944973	6,944362667	-0,05013467	0,965846169	Pus7	
17250087	2,985788	2,913085	3,425617	2,967964	3,240598	2,965562	3,1081633	3,058041333	-0,050122	0,965854649	---	
17319539	8,603284	8,701284	8,562077	8,588815	8,559035	8,568462	8,622215	8,572104	-0,050111	0,965862013	Phf5a	
17202563	6,815009	6,808129	6,720239	6,612407	7,038189	6,542476	6,7811257	6,731024	-0,05010167	0,965868262	---	
17454804	5,906295	6,185576	6,214965	6,010886	6,091153	6,054506	6,1022787	6,052181667	-0,050097	0,965871386	Spdyb	
17457249	8,655554	8,642993	8,634969	8,654997	8,55281	8,575439	8,6445053	8,594115333	-0,05009	0,965876073	Nup205	
17437051	4,322539	4,027433	3,944753	3,946671	4,229825	3,967982	4,0982417	4,048159333	-0,05008233	0,965881205	---	
17474694	5,562575	5,611163	5,73211	5,529046	5,596916	5,629654	5,6352827	5,585205333	-0,05007733	0,965884553	Ceacam20	
17516837	7,961283	8,109198	7,932494	7,956123	7,980303	7,916403	8,0009917	7,950943	-0,05004867	0,965903745	Bace1	
17459330	3,678253	3,419093	3,446347	3,543669	3,68656	3,163347	3,5145643	3,464525333	-0,050039	0,965910217	---	
17448770	9,600573	9,44437	9,339527	9,273458	9,481843	9,479151	9,46149	9,411484	-0,050006	0,965932312	---	
17291131	7,710262	7,654792	7,673719	7,501793	7,696723	7,69025	7,679591	7,629588667	-0,05000233	0,965934767	Abt1	
17221627	5,164621	5,399511	5,188372	5,183879	5,531831	4,886919	5,2508347	5,200876333	-0,04995833	0,965964227	Il17f	
17294411	4,913293	4,600695	4,844965	4,827296	4,598586	4,783291	4,7863177	4,736391	-0,04992667	0,965985429	Gm3897	
17225350	4,18879	4,112525	3,926276	3,910503	4,151412	4,015911	4,0758637	4,025942	-0,04992167	0,965988777	---	
17392115	6,092254	6,023072	6,166814	5,977729	6,054955	6,099691	6,0940467	6,044125	-0,04992167	0,965988777	---	
17342308	6,889009	6,990904	7,08946	6,818117	7,021907	6,979673	6,989791	6,939899	-0,049892	0,966008642	Chtf18	
17545494	2,987601	2,777939	3,344056	3,004142	3,133879	2,821989	3,036532	2,98667	-0,049862	0,966028729	---	
17349240	4,923885	4,906868	4,924281	4,797395	4,841253	4,966805	4,9183447	4,868484333	-0,04986033	0,966029845	---	
17448160	3,046225	2,973156	2,942067	2,98641	2,906157	2,919312	2,9871493	2,937293	-0,04985633	0,966032524	4933402J10Rik	
17302675	7,640049	7,627889	7,378006	7,475382	7,53393	7,48709	7,548648	7,498800667	-0,04984733	0,96603855	Gpr180	
17423962	3,03722	3,132226	3,078071	3,170465	3,030606	2,896949	3,0825057	3,032673333	-0,04983233	0,966048594	Gm12372	
17296142	10,14923	10,26042	10,16941	10,11127	10,14675	10,17159	10,19302	10,14320333	-0,04981667	0,966059085	Gpbp1	
17520290	11,59943	11,72402	11,70206	11,59709	11,60632	11,67266	11,67517	11,62535667	-0,04981333	0,966061317	---	
17389675	4,676056	4,541885	4,733995	4,845991	4,593885	4,362634	4,6506453	4,600836667	-0,04980867	0,966064442	C230060E24	
17217241	6,973775	6,718062	7,090956	6,996554	6,814816	6,822001	6,9275977	6,877790333	-0,04980733	0,966065335	Lrrn2	
17437565	5,869183	5,43955	5,580483	5,537698	5,457659	5,744496	5,6297387	5,579951	-0,04978767	0,966078504	---	
17395499	5,925869	6,201644	6,392004	6,009632	6,232914	6,12764	6,1731723	6,123395333	-0,049777	0,966085647	Hrh3	
17469656	6,189033	5,807457	6,242329	5,924155	5,845397	6,319952	6,0796063	6,029834667	-0,04977167	0,966089218	Srgap3	
17376661	4,297879	4,148658	4,203746	4,210348	4,136336	4,154343	4,216761	4,167009	-0,049752	0,966102388	---	

17472978	4,161522	4,02493	3,984953	3,916471	4,083649	4,022079	4,057135	4,007399667	-0,04973533	0,966113549	Gm6313
17381235	7,766906	7,812241	7,680807	7,711081	7,776188	7,6235	7,753318	7,703589667	-0,04972833	0,966118237	Hspa14
17437989	3,697063	3,759879	3,535963	3,570457	3,642446	3,63083	3,6643017	3,614577667	-0,049724	0,966121139	Grxcr1
17490667	5,649506	5,516255	5,636536	5,804202	5,193623	5,655302	5,6007657	5,551042333	-0,04972333	0,966121585	Gm581
17312700	8,193921	8,576656	8,414794	8,216045	8,571795	8,248424	8,3951237	8,345421333	-0,04970233	0,966135648	Ncf4
17257801	6,124643	6,016246	6,267542	6,086905	6,124643	6,04784	6,1361437	6,086462667	-0,049681	0,966149935	Axin2
17314373	4,517186	4,195817	4,214957	4,318954	4,217787	4,242184	4,30932	4,259641667	-0,04967833	0,96615172	Muc19 // Muc19
17363673	3,449661	3,245511	3,309126	3,309126	3,248599	3,297538	3,334766	3,285087667	-0,04967833	0,96615172	---
17547652	5,440292	5,145522	5,072909	5,059336	5,218303	5,232103	5,2195743	5,169914	-0,04966033	0,966163775	Gm6993
17220034	8,068494	8,05463	7,934156	7,86757	8,018046	8,022692	8,0190933	7,969436	-0,04965733	0,966165784	Sccpdh
17471248	4,086281	3,784661	4,127449	4,016557	3,947744	3,88514	3,9994637	3,949813667	-0,04965	0,966170695	---
17378200	6,622648	6,391768	6,620673	6,599279	6,469985	6,416875	6,5450297	6,495379667	-0,04965	0,966170695	Bpifb9b
17258761	3,683254	3,370595	3,460814	3,327638	3,532955	3,505176	3,5048877	3,455256333	-0,04963133	0,966183196	---
17497150	3,880695	3,755446	3,857132	3,770176	3,845723	3,728498	3,831091	3,781465667	-0,04962533	0,966187214	---
17427067	6,366305	6,242693	6,466758	6,409933	6,276194	6,240794	6,3585853	6,308973667	-0,04961167	0,966196367	Gm12597
17394361	5,227425	5,09648	5,478306	5,196421	5,625542	4,83143	5,2674037	5,217797667	-0,049606	0,966200162	1700025C18Rik
17347883	6,175003	6,015276	5,996989	5,857408	6,003615	6,177429	6,0624227	6,012817333	-0,04960533	0,966200609	Atp6v1e2
17491795	3,753382	3,774028	3,664927	3,819827	3,574247	3,649494	3,730779	3,681189333	-0,04958967	0,966211101	---
17381680	3,583469	3,276457	3,121314	2,894953	3,6453	3,292223	3,32708	3,277492	-0,049588	0,966212217	---
17466319	5,794891	6,126217	6,019597	5,956014	5,980572	5,855373	5,980235	5,930653	-0,049582	0,966216236	---
17388771	5,074896	4,745528	5,2784	5,194985	4,868013	4,887084	5,0329413	4,983360667	-0,04958067	0,966217129	---
17366864	3,208068	3,299354	3,361191	3,153606	3,332684	3,233611	3,2895377	3,239967	-0,04957067	0,966223826	---
17276831	5,071432	4,777676	4,589355	4,814844	4,741929	4,733039	4,812821	4,763270667	-0,04955033	0,966237444	2310002D06Rik
17290031	3,0099	3,314777	3,321409	3,171387	3,091406	3,234677	3,215362	3,165823333	-0,04953867	0,966245258	---
17525060	6,870911	6,944055	6,547031	6,778173	6,716231	6,718984	6,7873323	6,737796	-0,04953633	0,96624682	Tbx20
17241840	5,668101	5,521724	5,839297	5,598512	5,5923	5,689707	5,676374	5,626839667	-0,04953433	0,96624816	AI646023
17538284	7,14318	7,049679	7,17595	7,074239	7,07801	7,068012	7,1229363	7,073420333	-0,049516	0,966260439	Nxt2
17465168	4,092557	4,240387	4,090905	4,236701	3,742959	4,295691	4,141283	4,091783667	-0,04949933	0,966271601	Tas2r118
17503181	7,17691	7,271812	7,179397	7,171499	7,239187	7,06894	7,209373	7,159875333	-0,04949767	0,966272718	Trmt1
17300219	5,353496	5,472669	5,864173	5,537167	5,722495	5,282198	5,563446	5,513953333	-0,04949267	0,966276067	---
17538818	7,893939	7,654792	7,760588	8,129395	7,165126	7,866383	7,769773	7,720301333	-0,04947167	0,966290132	---
17420113	5,004352	5,070096	5,500288	5,272726	5,115625	5,037986	5,1915787	5,142112333	-0,04946633	0,966293704	Htr1d
17322146	9,497173	9,579832	10,09531	9,743352	9,805546	9,475028	9,724105	9,674642	-0,049463	0,966295937	Csad
17397708	4,939033	4,847472	4,757862	4,97438	4,617989	4,80366	4,8481223	4,798676333	-0,049446	0,966307323	Dclk1
17344794	7,470037	7,571853	7,627626	7,381087	7,507793	7,632313	7,5565053	7,507064333	-0,049441	0,966310672	Znrd1
17435570	5,922145	5,736216	6,110034	5,9221	5,880002	5,817973	5,9227983	5,873358333	-0,04944	0,966311342	Htr5a
17220177	6,870337	6,917995	6,762993	6,828199	6,714639	6,860169	6,8504417	6,801002333	-0,04943933	0,966311788	H3f3a // H3f3a
17437567	3,788579	3,805276	3,759258	3,915231	3,61054	3,67904	3,784371	3,734937	-0,049434	0,966315361	1700029E06Rik
17351396	4,954935	5,024866	5,282579	5,19072	5,047266	4,876142	5,08746	5,038042667	-0,04941733	0,966326524	Grp
17338472	8,770654	8,686975	8,693709	8,764493	8,47241	8,766185	8,7171127	8,667696	-0,04941667	0,966326971	Mocs1
17520160	4,241795	4,160413	4,02541	4,204782	3,994553	4,080044	4,1425393	4,093126333	-0,049413	0,966329427	---
17215115	12,57882	12,51668	12,59543	12,49293	12,56567	12,48415	12,563643	12,51425	-0,04939333	0,9663426	Ptma
17420546	6,8775	6,368649	6,694745	6,573465	6,51055	6,708705	6,6469647	6,597573333	-0,04939133	0,966343939	Pla2g2e
17516762	5,392877	5,446682	5,493594	5,3342	5,352133	5,498663	5,4443843	5,394998667	-0,04938567	0,966347735	Tmprss13
17549400	3,233192	3,408926	3,469659	3,453524	3,345349	3,164775	3,3705923	3,321216	-0,04937633	0,966353987	---
17549786	3,233192	3,408926	3,469659	3,453524	3,345349	3,164775	3,3705923	3,321216	-0,04937633	0,966353987	---
17217116	7,639222	7,61239	7,597495	7,68775	7,536174	7,47707	7,616369	7,566998	-0,049371	0,966357559	Rab7l1
17460254	3,061409	3,084849	3,203228	3,116328	3,103708	2,981344	3,1164953	3,067126667	-0,04936867	0,966359122	---
17294338	8,641831	8,663465	8,466096	8,406637	8,622892	8,593758	8,590464	8,541095667	-0,04936833	0,966359345	Exoc3
17539927	5,161478	4,845102	4,906237	5,215923	4,723176	4,825683	4,970939	4,921594	-0,049345	0,966374975	Eras
17360632	5,5387	5,561897	6,048031	5,646749	5,808355	5,545542	5,7162093	5,666882	-0,04932733	0,966386809	Vwa2
17286167	3,191748	3,197771	3,13758	3,084006	3,186244	3,108879	3,1756997	3,126376333	-0,04932333	0,966389488	---
17375154	4,948492	4,995003	5,036898	4,728174	4,769074	5,335203	4,9934643	4,944150333	-0,049314	0,96639574	AV039307
17529218	5,401438	5,129968	5,312892	5,085594	5,375945	5,234888	5,2814327	5,232142333	-0,04929033	0,966411593	Htr1b
17461648	5,881804	6,140827	6,122687	5,975424	6,029193	5,992854	6,0484393	5,999157	-0,04928233	0,966416952	Ttll3
17370412	5,403305	5,366055	5,124601	5,329042	5,259453	5,157636	5,297987	5,248710333	-0,04927667	0,966420748	Gpr21
17548534	5,115634	4,800958	5,056119	4,87067	4,999244	4,954967	4,9909037	4,941627	-0,04927667	0,966420748	Tes // Tes
17391521	4,129387	4,368427	4,046751	4,101563	4,206703	4,088522	4,1815217	4,132262667	-0,049259	0,966432583	AI847159
17448076	5,173233	4,989212	4,965617	5,080386	4,856771	5,043147	5,0426873	4,993434667	-0,04925267	0,966436825	8030423F21Rik
17372106	2,968765	2,893081	3,192652	2,841701	3,081178	2,983904	3,018166	2,968927667	-0,04923833	0,966446427	Mir10b
17544239	3,722949	3,54276	3,393883	3,651848	3,549519	3,310521	3,5531973	3,503962667	-0,04923467	0,966448883	---
17504811	4,592852	4,792153	4,688373	4,646512	4,624817	4,65442	4,691126	4,641916333	-0,04920967	0,966465631	Lrrc36
17460768	2,967114	3,074528	2,916583	2,907071	3,043215	2,860324	2,986075	2,93687	-0,049205	0,966468757	Vmn1r52
17301603	11,05711	11,57843	11,35684	11,30046	11,16577	11,37855	11,330793	11,28159333	-0,0492	0,966472106	---
17446066	6,66346	6,562234	6,68398	6,283365	6,867	6,611714	6,636558	6,587359667	-0,04919833	0,966473223	Mir3096
17316280	5,50737	5,560699	5,63767	5,429143	5,639304	5,489701	5,5685797	5,519382667	-0,049197	0,966474116	Ankrd33b
17223228	11,16384	11,13928	11,10429	11,0829	11,08027	11,09678	11,135803	11,08665	-0,04915333	0,966503369	Hspd1
17356490	9,174315	9,193311	8,970211	8,878047	9,122606	9,189737	9,1126123	9,063463333	-0,049149	0,966506272	Rela
17374632	8,772395	8,619123	8,775024	8,622662	8,648023	8,748443	8,7221807	8,673042667	-0,049138	0,966513641	D2Ertd750e
17389305	5,152688	4,3723	4,934107	4,744086	4,596092	4,971505	4,8196983	4,770561	-0,04913733	0,966514088	Olfr1311
17242902	5,586038	5,766333	5,612824	5,570616	5,594606	5,652572	5,655065	5,605931333	-0,04913367	0,966516545	Mex3d
17492110	4,91342	4,765706	4,869306	4,531917	4,96208	4,907098	4,8494773	4,800365	-0,04911233	0,966530837	Rgma // Rgma
17494154	4,22434	3,870662	4,15786	4,129603	3,881481	4,094442	4,0842873	4,035175333	-0,049112	0,96653106	Olfr578
17526225	11,47954	11,66486	11,64479	11,45621	11,56206	11,62366	11,596397	11,54731	-0,04908667	0,966548032	Hmbs
17523908	4,029986	4,121879	4,138551	3,964835	4,082364	4,095957	4,0968053	4,047718667	-0,04908667	0,966548032	AK129341
17298267	12,56208	12,53216	12,47826	12,48569	12,45849	12,48106	12,524167	12,47508	-0,04908667	0,966548032	Itih4
17208673	6,29819	6,838308	6,843367	6,812388	6,001029	7,019217	6,659555	6,610878	-0,049077	0,966554508	---
17352196	8,130692	8,200851	8,466615	8,325642	8,202758	8,12254	8,2660527	8,21698	-0,04907267	0,966557412	Mir5112
17312622	11,24276	11,47911	11,49563	11,38041	11,3555	11,33442	11,405833	11,35677667	-0,04905667	0,966568131	Rpl8
17200083	5,602156	5,244858	5,431532	5,557581	5,316389	5,257412	5,426182	5,377127333	-0,04905467	0,966569471	---
17308466	11,84579	12,00127	11,84401	11,6341	11,84274	12,06707	11,897023	11,84797	-0,04905333	0,966570364	---
17491753	4,360991	4,638481	4,896981	4,795163	4,627086	4,327111	4,632151	4,58312	-0,049031	0,966585327	---
17437373	4,886549	4,518642	4,751882	4,844507	4,440415	4,725066	4,7190243	4,669996	-0,04902833	0,966587114	4930448I18Rik // 4930448I18Rik
17342656	7,549634	7,562738	7,712614	7,561042	7,535763	7,581098	7,6083287	7,559301	-0,04902767	0,966587561	Nkx2-5
17510428	7,198669	7,185293	7,256569	7,212911	7,115474	7,165126	7,2135103	7,164503667	-0,04900667	0,96660163	Fcho1
17286796	4,607354	4,521712	4,680499	4,619352	4,502204	4,541063	4,6031883	4,554206333	-0,048982	0,966618157	Gm5082
17230592	3,697629	4,078944	3,771468	3,962204	3,807133	3,631785	3,849347	3,800374	-0,048973	0,966624187	Vmn1r1
17226302	8,148434	8,096958	7,973024	7,957713	8,026123	8,08767	8,0728053	8,023835333	-0,04897	0,966626197	Dbi
17247929	4,157866	3,994832	3,889484	4,053288	4,035503	3,806506	4,0140607	3,965099	-0,04896167	0,966631781	---
17500626	8,375512	8,533161	8,389305	8,278331	8,491899	8,380867	8,4326593	8,383699	-0,04896033	0,966632674	Tusc3
17370378	8,464601	8,556734	8,384413	8,500653	8,386401	8,371817	8,4685827	8,419623667	-0,048959	0,966633567	Rabgap1
17444933	6,212308	6,125219	5,988433	6,114952	6,071237	5,992905	6,1086533	6,059698	-0,04895533	0,966636024	Gm15408
17411961	10,24809	10,23106	10,29172	10,19356	10,1915	10,23895	10,256957	10,20800333	-0,04895333	0,966637364	Tmem64
17460760	3,610139	4,066848	3,888732	3,750944	3,896986	3,770942	3,8552397	3,806290667	-0,048949	0,966640268	Vmn1r50
17510580	9,973223	10,06554	9,993586	9,938387	9,966578	9,980537	10,010783	9,961834	-0,048949	0,966640268	---
17531671	6,988267	6,791071	7,180649	6,93413	7,021866	6,857153	6,9866623	6,937716333	-0,048946	0,966642278	Tmie
17235848	5,247245	4,959425	5,040681	5,010953	5,207899	4,881687	5,0824503	5,033513	-0,04893733	0,966648085	---
17331284	6,384144	6,688342	6,199157	6,439753	6,201556	6,483538	6,423881	6,374949	-0,048932	0,966651658	Crybg3
17548477	4,268877	4,301766	4,520751	4,320824	4,383963	4,239822	4,363798	4,314869667	-0,04892833	0,966654115	Gpn3 // Gpn3
17411411	4,26997	4,073797	4,589383	4,165556	4,269265	4,351564	4,31105	4,262128333	-0,04892167	0,966658582	---
17381617	4,305195	4,47119	4,668386	4,623053	4,388743	4,286214	4,4815903	4,43267	-0,04892033	0,966659475	---
17372966	3,361839	3,097628	3,301586	3,316066	3,153921	3,144314	3,2536843	3,204767	-0,04891733	0,966661485	Olfr1263
17408940	5,996875	5,549207	6,118839	6,206605	5,702721	5,60885	5,888307	5,839392	-0,048915	0,966663049	2010016I18Rik
17519954	11,96068	12,05573	12,07403	12,02897	11,99154	11,92325	12,030147	11,98125333	-0,04889333	0,966677566	Rpl7a
17336636	7,819425	7,704323	7,995927	7,866074	7,777795	7,729134	7,8398917	7,791001	-0,04889067	0,966679353	Agpat1
17511563	7,224026	7,173923	7,182618	7,042436	7,257395	7,13409	7,1935223	7,144640333	-0,048882	0,96668516	---
17504093	8,343824	8,514507	8,44208	8,379106	8,331112	8,443571	8,4334703	8,384596333	-0,048874	0,966690521	Rspry1
17351687	4,161268	3,915706	4,022563	4,000248	4,052395	3,900278	4,033179	3,984307	-0,048872	0,966691861	Mro
17433696	6,502529	6,282548	6,493036	6,297982	6,432313	6,40114	6,426015	6,377145	-0,04887	0,966693201	Hes5
17549234	3,961396	3,631091	4,294086	3,722831	4,008654	4,008517	3,962191	3,913334	-0,048857	0,966701912	---
17549316	3,961396	3,631091	4,294086	3,722831	4,008654	4,008517	3,962191	3,913334	-0,048857	0,966701912	---
17541769	4,114274	3,989275	3,889484	3,885831	4,112525	3,848132	3,9976777	3,948829333	-0,04884833	0,966707719	4933416I08Rik // 4933416I08Rik
17324553	9,447285	9,440464	9,400249	9,238849	9,449068	9,453548	9,4293327	9,380488333	-0,04884433	0,966710399	Ccdc50
17284429	3,312115	3,44932	2,973156	2,939525	3,469362	3,179216	3,2448637	3,196034333	-0,04882933	0,966720451	---
17420347	9,684433	9,690366	9,585606	9,507318	9,632651	9,673957	9,6534683	9,6046642	-0,04882633	0,966722461	Ece1
17227037	9,805541	9,91617	9,971062	9,877224	9,787422	9,881683	9,8975911	9,848776333	-0,04881467	0,966730278	Atp2b4
17390106	4,526507	4,369588	4,658344	4,49789	4,384326	4,525781	4,5181463	4,469332333	-0,048814	0,966730725	Pla2g4d
17204857	4,089496	2,969321	4,103952	3,44795	3,892673	3,675729	3,720923	3,672117333	-0,04880567	0,966736309	---
17457991	3,04372	3,189692	3,115541	2,97444	3,239129	2,988973	3,1163177	3,067514	-0,04880367	0,966737649	---
17487070	3,244093	3,132491	3,382015	3,059716	3,226812	3,325706	3,2528663	3,204078	-0,04878833	0,966747924	Psg27
17248786	5,173774	5,188664	5,198188	5,271156	4,842101	5,301072	5,1868753	5,138109667	-0,04876567	0,966763113	C030019I05Rik
17323062	6,176029	7,84666	7,080482	6,928563	6,586265	7,442093	7,0343903	6,985640333	-0,04875	0,966773612	---
17384484	7,692666	7,866094	8,001509	7,750113	7,986183	7,677739	7,853423	7,804678333	-0,04874467	0,966777186	Ggta1
17418571	8,377879	8,589829	8,568449	8,374848	8,570902	8,444179	8,5120523	8,463309667	-0,04874267	0,966778526	Trappc3
17226600	3,588122	2,93369	2,94901	3,111046	3,068851	3,144703	3,1569407	3,1082	-0,04874067	0,966779866	---
17494087	4,015255	3,850091	4,047554	4,007558	3,970098	3,789032	3,9709667	3,922229333	-0,04873733	0,9667821	Olfr543
17474363	5,879405	6,094967	6,138097	5,992602	6,193632	5,780025	6,0374897	5,988753	-0,04873667	0,966782547	Mill2
17502603	5,83563	5,623277	5,913888	5,573687	5,772493	5,88042	5,7909317	5,7422	-0,04873167	0,966785897	Rasd2
17240880	10,5455	10,5869	10,48381	10,46546	10,51039	10,49419	10,538737	10,49001333	-0,04872333	0,966791482	Man1a
17259514	7,872552	8,284731	8,389545	7,651388	8,506126	8,243189	8,182276	8,133567667	-0,04870833	0,966801534	---
17397923	11,18774	11,16892	11,11294	11,17602	10,99358	11,15388	11,156533	11,10782667	-0,04870667	0,96680265	Aadac
17361435	4,143423	4,058069	4,167766	4,21719	3,988786	4,017204	4,123086	4,074393333	-0,04869267	0,966812032	Npas4
17425606	5,459159	5,049751	5,348598	5,248969	5,381065	5,081407	5,285836	5,237147	-0,048689	0,96681449	Gm12526
17328236	4,607945	4,746817	4,69172	4,626044	4,669209	4,605164	4,6821607	4,633472333	-0,04868833	0,966814936	Gm6327

17205393	7,19004	6,790361	7,518497	7,16345	6,893061	7,296351	7,1662993	7,117620667	-0,04867867	0,966821414	---	
17277294	8,802167	8,739138	8,640062	8,770501	8,442297	8,822577	8,7271223	8,678458333	-0,048664	0,966831243	Isca2	
17204153	6,025165	5,624691	5,104399	5,916442	5,960948	4,7309	5,5847517	5,536096667	-0,048655	0,966837275	---	
17498078	6,44361	6,06166	6,35533	6,317355	6,21055	6,18675	6,2868667	6,238218333	-0,04864833	0,966841743	Gm4559	
17291713	3,71452	3,724543	3,761761	3,615687	3,728671	3,71053	3,733608	3,684962667	-0,04864533	0,966843753	Serpinb9c	
17550430	4,462639	4,21369	4,623212	4,364921	4,316643	4,472045	4,4331803	4,384536333	-0,048644	0,966844647	---	
17409075	7,06152	7,127508	6,805566	6,866271	7,079265	6,903138	6,998198	6,949558	-0,04864	0,966847327	Csf1	
17231782	3,179965	3,426695	3,316719	3,158451	3,300826	3,318235	3,307793	3,259170667	-0,04862233	0,966859167	---	
17328222	4,484375	4,239733	4,246399	4,056419	4,423361	4,344874	4,3235023	4,274884667	-0,04861767	0,966862294	---	
17528557	5,191568	5,298572	5,330155	5,221582	5,052843	5,40006	5,2734317	5,224828333	-0,04860333	0,9668719	Foxb1	
17248270	7,893467	7,736775	7,765465	7,802828	7,873165	7,573911	7,798569	7,749968	-0,048601	0,966873464	Hbq1b	
17279152	11,80288	11,62299	11,9088	11,67454	11,63635	11,8781	11,778223	11,72966333	-0,04856	0,966900942	---	
17458592	5,268228	5,197577	5,385461	5,118162	5,436868	5,150563	5,2837553	5,235197667	-0,04855767	0,966902506	Hoxa1	
17449793	2,920369	3,01204	3,080018	2,855664	3,083076	2,928051	3,0041423	2,955597	-0,04854533	0,966910772	Mir1961	
17247638	5,123789	5,053579	5,178753	4,949563	5,291925	4,969069	5,118707	5,070185667	-0,04852133	0,966926857	---	
17257924	4,660706	4,149793	4,331569	4,149663	4,449066	4,397795	4,3806893	4,332174667	-0,04851467	0,966931325	---	
17435055	6,90279	7,178977	7,098648	7,065381	7,009949	6,95955	7,0601383	7,011626667	-0,04851167	0,966933336	Pion	
17374194	4,070327	3,80602	3,652496	3,723874	3,693552	3,965922	3,8429477	3,794449333	-0,04849833	0,966942272	Olfr1289	
17352102	6,379285	6,40993	6,247134	6,230268	6,450097	6,210493	6,3454497	6,296952667	-0,048497	0,966943166	---	
17210109	6,067195	5,963397	6,561985	6,261769	5,971384	6,213955	6,1975257	6,149036	-0,04848967	0,966948081	---	
17430436	10,14287	10,13847	10,05545	9,991356	10,14705	10,05299	10,112263	10,06379867	-0,04846467	0,966964837	Eif3i	
17394668	5,829982	5,992528	5,94885	5,99036	5,822862	5,812785	5,9237867	5,875335667	-0,048451	0,966973997	Kcnb1	
17406395	4,638483	4,056233	4,555747	3,90766	4,576622	4,620832	4,416821	4,368371333	-0,04844967	0,966974891	---	
17370715	4,422549	4,37559	4,281007	4,373468	4,276235	4,284111	4,3597153	4,311271333	-0,048444	0,966978689	Gm13483 // Gm13483	
17530906	4,75374	4,324178	4,259214	4,374722	4,427259	4,389838	4,4457107	4,397273	-0,04843767	0,966982934	---	
17299750	7,827219	8,018155	7,575698	7,646841	7,678411	7,950548	7,807024	7,7586	-0,048424	0,966992094	Tox4	
17217625	6,23769	6,07072	6,140104	5,918058	6,208642	6,176559	6,1495047	6,101086333	-0,04841833	0,966995892	Tnni1	
17379928	5,154236	5,332413	5,479795	5,113365	5,357683	5,350152	5,322148	5,273733333	-0,04841467	0,966998835	---	
17376252	9,882784	10,05719	10,0528	9,944849	9,917704	9,984987	9,9975913	9,94918	-0,04841133	0,967000584	Nop56	
17455071	7,239979	7,291131	7,580464	7,386126	7,354392	7,225833	7,3705247	7,322117	-0,04840767	0,967003042	Ptcd1	
17231461	6,677542	6,660297	6,590639	6,509513	6,664473	6,609269	6,642826	6,594118333	-0,04840767	0,967003042	Esr1	
17241206	6,206608	6,358675	6,530175	6,372777	6,324672	6,252788	6,3651527	6,316745667	-0,048407	0,967003489	X99384	
17549480	3,531899	3,398979	3,469544	3,363025	3,514271	3,377919	3,4668073	3,418405	-0,04840233	0,967006617	---	
17549628	3,531899	3,398979	3,469544	3,363025	3,514271	3,377919	3,4668073	3,418405	-0,04840233	0,967006617	---	
17496645	9,034092	8,961567	9,029902	8,977432	8,949884	8,953064	9,0085203	8,960126667	-0,04839367	0,967012426	Dctpp1	
17547827	6,995173	7,039867	6,958129	6,962455	6,898899	6,986639	6,997723	6,949331	-0,048392	0,967013543	Snrpn // Snrpn	
17355579	5,317311	5,09143	5,326058	5,280781	5,164763	5,144103	5,244933	5,196549	-0,048384	0,967018905	Slc14a2	
17533161	2,963786	3,094527	3,23894	3,107676	3,000731	3,043815	3,0990843	3,050740667	-0,04834367	0,967045941	Ssxb5	
17375661	7,380324	7,297177	7,271641	7,233194	7,303277	7,267645	7,3163807	7,268038667	-0,048342	0,967047058	Eid1	
17382453	6,08717	6,111758	6,209546	6,321979	5,996086	5,945386	6,136158	6,087817	-0,048341	0,967047728	2310002J15Rik	
17427229	6,859399	7,123643	6,786606	6,714044	6,921144	6,989462	6,923216	6,874883333	-0,04833267	0,967053314	5830433M19Rik	
17273121	6,426794	6,521825	6,761841	6,388149	6,612014	6,565326	6,5701533	6,521829667	-0,04832367	0,967059347	Arl16	
17496547	6,099711	6,094117	6,042979	6,465533	5,898899	5,72741	6,0789357	6,030614	-0,04832167	0,967060687	Prrt2	
17487301	6,984988	7,080801	7,049059	6,810806	7,000406	7,158716	7,0382827	6,989976	-0,04830667	0,967070742	Clasrp	
17315627	4,077347	3,924051	4,0205	3,856975	4,128164	3,891841	4,0072993	3,958993333	-0,048306	0,967071189	Ccdc152	
17336052	6,226346	6,16415	6,177061	6,211435	6,123365	6,087851	6,1891857	6,140883667	-0,048302	0,96707387	Zfp563	
17529699	9,423049	9,389442	9,165582	9,178763	9,295172	9,359239	9,3260243	9,277724667	-0,04829967	0,967075435	1190002N15Rik	
17263440	5,303728	5,254846	5,583324	5,455647	5,21207	5,329299	5,3806327	5,332338667	-0,048294	0,967079233	Olfr222	
17307894	5,876294	6,017781	5,919072	6,012984	5,736244	5,919072	5,9377157	5,889433333	-0,04828233	0,967087054	Gm4583	
17344322	6,202787	6,090606	6,055322	5,748268	6,284057	6,171543	6,1162383	6,067956	-0,04828233	0,967087054	Nfkbil1	
17289486	9,461115	9,412555	9,408123	9,301279	9,408636	9,427055	9,4272643	9,37899	-0,04827433	0,967092416	Taf9	
17207027	6,049235	5,968503	6,094393	5,288007	5,921601	6,757702	6,037377	5,989103333	-0,04827367	0,967092863	---	
17211990	6,229893	6,138591	6,315855	6,248214	6,304896	5,986449	6,228113	6,179853	-0,04826	0,967102024	Lipt1	
17219581	8,826617	8,983746	8,821647	8,805451	8,854686	8,827127	8,8773367	8,829088	-0,04824867	0,967109622	Tagln2	
17321287	8,305401	8,45336	8,401751	8,342285	8,399572	8,273911	8,3868373	8,338589333	-0,048248	0,967110069	Ddx23	
17243010	6,991473	7,118681	7,392274	7,011369	7,195572	7,150746	7,167476	7,119229	-0,048247	0,967110739	Klf16	
17480691	7,777767	7,761702	7,697914	7,749334	7,697706	7,645619	7,7457943	7,697553	-0,04824133	0,967114538	C2cd3	
17508151	9,270645	9,267359	9,269196	9,274872	9,194218	9,19339	9,2690667	9,220826667	-0,04824	0,967115431	Gins4	
17234502	6,440152	6,200087	6,717196	6,406431	6,53075	6,275571	6,4524783	6,404250667	-0,04822767	0,967123699	1700094J05Rik	
17280235	7,41823	7,706855	7,801611	7,31789	7,78245	7,681699	7,642232	7,594013	-0,048219	0,967129509	Ywhaq	
17460728	5,351348	5,162105	5,336332	5,210298	5,311692	5,183142	5,2832617	5,235044	-0,04821767	0,967130403	Txnrd3	
17293650	7,532876	7,445076	7,177643	7,411229	7,350776	7,248942	7,3851983	7,336982333	-0,048216	0,96713152	Slc35d2	
17308620	3,27748	2,995998	3,152258	3,173625	3,047343	3,06014	3,141912	3,093702667	-0,04820933	0,967135989	---	
17451816	7,907281	8,297894	7,760451	7,860941	7,918915	8,04116	7,988542	7,940338667	-0,04820333	0,967140011	Hspb8	
17392868	8,600464	8,710114	8,654765	8,508518	8,55768	8,754672	8,6551143	8,606956667	-0,04815767	0,967170625	Psmf1	
17548209	5,499889	5,900533	5,683836	5,604159	5,644418	5,691229	5,6947527	5,646602	-0,04815067	0,967175318	---	
17225990	3,383073	3,301347	3,375231	3,474735	3,142647	3,297895	3,353217	3,305092333	-0,04812467	0,967192749	---	
17201047	7,883913	7,861139	7,821044	7,600212	7,872552	7,948983	7,8553653	7,807249	-0,04811633	0,967198335	---	
17439365	7,551672	7,169543	6,941327	7,26053	6,991169	7,266645	7,2208473	7,172781333	-0,048066	0,96723208	---	
17516330	2,881036	2,799803	2,954954	2,771423	2,913558	2,806624	2,8785977	2,830535	-0,04806267	0,967234315	---	
17409498	3,174185	3,178957	3,039722	3,12098	3,158849	2,968873	3,1309547	3,082900667	-0,048054	0,967240125	---	
17479288	6,849946	6,732326	6,945394	6,690159	6,883977	6,809374	6,8425553	6,794503333	-0,048052	0,967241466	---	
17221158	5,637697	5,783993	5,646603	5,694421	5,440197	5,789534	5,689431	5,641384	-0,048047	0,967244818	Mybl1	
17441097	7,584339	7,814229	8,028801	7,715491	7,824356	7,743402	7,809123	7,761083	-0,04804	0,967249511	Pop5	
17207331	4,551413	4,481951	3,769536	3,474743	5,065641	4,118455	4,2676333	4,219613	-0,04802033	0,967262697	---	
17428735	10,0791	10,26971	10,17242	10,07724	10,14373	10,1562	10,173743	10,12572333	-0,04802	0,96726292	Urod	
17251744	4,843559	4,933589	4,985158	4,421829	5,116927	5,079631	4,9207687	4,872795667	-0,047973	0,967294432	Tmem102 // Tmem102	
17409030	7,349043	7,433753	7,385951	7,329261	7,341532	7,354043	7,3895823	7,341612	-0,04797033	0,96729622	Fam40a	
17294225	3,603239	3,559858	3,653328	3,747319	3,435575	3,489682	3,605475	3,557525333	-0,04794967	0,967310077	---	
17333407	5,248707	5,376558	5,439348	5,352818	5,184186	5,383782	5,354871	5,306928667	-0,04794233	0,967314994	---	
17203795	4,01875	3,66347	3,865851	3,692722	4,132444	3,579083	3,849357	3,801416333	-0,04794067	0,967316111	---	
17513325	7,293087	7,239178	7,492905	7,341007	7,1242	7,416184	7,3417233	7,293797	-0,04792633	0,967325722	Gcsh	
17296422	7,411444	7,396012	7,371248	7,388321	7,15641	7,490278	7,3929013	7,345003	-0,04789833	0,967344496	Pelo	
17522369	12,12876	12,15967	12,18384	12,06166	12,15268	12,11425	12,157423	12,10953	-0,04789333	0,967347849	Ngp	
17202047	2,978016	2,931057	2,847581	2,847353	3,128824	2,636832	2,9188847	2,871003	-0,04788167	0,967355671	---	
17458692	7,393226	7,31142	7,232249	7,159729	7,233188	7,40034	7,3122983	7,264419	-0,04787933	0,967357236	Chn2	
17291874	11,57044	11,57486	11,59365	11,62095	11,40089	11,57356	11,57965	11,5318	-0,04785	0,967376905	Nrn1	
17301026	4,845654	4,625895	4,763313	4,610564	4,841231	4,639632	4,744954	4,697142333	-0,04781167	0,967402609	Fam123a	
17320161	3,009863	3,17449	3,090786	3,029807	3,206907	2,894993	3,091713	3,043902333	-0,04781067	0,967403279	---	
17233317	3,33708	3,270892	3,51964	3,463888	3,33708	3,18323	3,3758707	3,328066	-0,04780467	0,967407303	---	
17387981	3,40207	3,182484	3,347346	3,343962	3,260359	3,18421	3,3106333	3,262843667	-0,04778967	0,967417361	Olfr1250	
17502527	5,103505	5,189264	5,186648	5,137616	5,163366	5,035087	5,1598057	5,112023	-0,04778267	0,967422055	Isx	
17247817	5,51089	5,314435	5,381795	5,468615	5,312483	5,2827	5,4023733	5,354599333	-0,047774	0,967427867	---	
17467981	3,258391	3,422926	3,32492	3,478763	3,245038	3,13915	3,3354123	3,287650333	-0,047762	0,967435913	Lrrtm4	
17506987	4,111783	4,314556	4,525848	4,129992	4,252398	4,426515	4,3173957	4,269635	-0,04776067	0,967436808	---	
17549588	6,866792	7,066479	7,040921	6,948893	6,899171	6,982869	6,9913973	6,943644333	-0,047753	0,967441949	---	
17549860	6,866792	7,066479	7,040921	6,948893	6,899171	6,982869	6,9913973	6,943644333	-0,047753	0,967441949	---	
17422764	7,465193	7,525166	7,398621	7,414346	7,444312	7,387069	7,4629933	7,415242333	-0,047751	0,96744329	Cpsf3l	
17285855	4,36993	4,218735	4,348219	4,268577	4,179646	4,345449	4,3122947	4,264557333	-0,04773733	0,967452454	Hist1h1t	
17465690	3,247571	3,041433	3,056599	3,124264	2,93878	3,139436	3,115201	3,067493333	-0,04770767	0,967472349	---	
17398287	9,147691	9,335697	9,087089	9,146832	9,083076	9,197449	9,190159	9,142452333	-0,04770667	0,967473019	Nmd3	
17517404	7,007738	7,259433	7,27075	7,197149	7,248709	6,94895	7,179307	7,131602667	-0,04770433	0,967474584	Dnaja4	
17410433	3,535321	3,498882	3,613035	3,553826	3,536422	3,413898	3,5490793	3,501382	-0,04769733	0,967479278	---	
17365692	8,501274	8,486121	8,354374	8,403757	8,426138	8,368799	8,4472563	8,399564667	-0,04769167	0,967483078	Smndc1	
17437390	8,251317	8,374786	8,323821	8,168749	8,350019	8,288097	8,3166413	8,268955	-0,04768633	0,967486655	Pi4k2b	
17466418	3,252149	3,192337	3,096324	3,069417	3,231617	3,096788	3,18027	3,132607333	-0,04766267	0,967502526	Olfr457	
17448444	5,21982	5,040355	5,191287	5,170793	4,899043	5,238652	5,1504873	5,102829333	-0,047658	0,967505656	Uchl1	
17207665	8,200129	7,900237	7,97404	8,239522	7,514158	8,177763	8,024802	7,977147667	-0,04765433	0,967508115	---	
17324658	5,983004	5,270699	5,321503	5,564541	5,4755	5,392145	5,5250687	5,477428667	-0,04764	0,967517727	Gm536	
17289811	7,180975	7,007738	6,771487	7,08596	6,612273	7,119167	6,9867333	6,939133333	-0,0476	0,967544553	---	
17205459	4,293269	4,360995	4,63799	3,921307	4,953028	4,275138	4,4307513	4,383157667	-0,04759367	0,9675488	---	
17317713	3,055161	3,009289	2,958143	2,959743	2,937348	2,982725	3,007531	2,959938667	-0,04759233	0,967549694	---	
17426108	3,010206	3,022162	2,924256	3,054765	2,849063	2,910107	2,9855413	2,937978333	-0,047563	0,967569367	Mup21	
17246464	4,023407	3,71352	3,505487	3,734169	3,56652	3,799069	3,7474713	3,699919333	-0,047552	0,967576745	Olfr826	
17490673	4,911671	4,834988	4,905457	4,874741	4,931909	4,702828	4,8840387	4,836492667	-0,047546	0,967580769	Ccdc155	
17358261	3,894303	3,793564	3,906266	3,878643	3,841453	3,731428	3,864711	3,817174667	-0,04753633	0,967587252	---	
17351932	9,179564	9,1682	9,146748	9,146056	9,122539	9,083316	9,1648373	9,117303667	-0,04753367	0,96758904	Pias2	
17417314	7,361167	7,704309	7,631063	7,651752	7,537222	7,364967	7,565513	7,517980333	-0,04753267	0,967589711	Mknk1	
17550813	3,818362	3,744354	3,726951	3,851015	3,584328	3,711758	3,7632223	3,715700333	-0,047522	0,967596865	---	
17289860	4,862187	4,73417	4,829246	4,745263	4,821053	4,716749	4,8085343	4,761021667	-0,04751267	0,967603125	---	
17516157	3,945462	4,277614	4,081554	4,149997	4,060917	3,951203	4,1015433	4,054039	-0,04750433	0,967608714	Olfr250	
17234040	4,414771	4,186511	4,482617	4,426631	4,387697	4,127122	4,3612997	4,313816667	-0,047483	0,967623022	---	
17343141	5,101221	4,972773	5,080114	4,781427	5,297824	4,932441	5,0513693	5,003897333	-0,047472	0,9676304	Gm6402	
17369060	6,610789	6,744546	6,618315	6,614192	6,612828	6,604229	6,6578833	6,610416333	-0,047467	0,967633753	Set	
17451823	5,618045	5,746826	6,130349	5,693175	6,008925	5,650722	5,83174	5,784274	-0,047466	0,967634424	Srrm4	
17260443	5,371132	4,978281	4,908856	5,209159	5,124172	4,782541	5,0860897	5,038624	-0,04746567	0,967634648	Wap	
17223117	8,112997	8,009754	7,945332	7,842469	8,074748	8,008486	8,0226943	7,975234333	-0,04746	0,967638448	Gtf3c3	
17393351	3,874192	4,13699	3,982106	3,997554	3,813471	4,039922	3,9977627	3,950315667	-0,047447	0,967647168	---	
17545897	3,20432	2,939638	3,162659	3,111126	3,036491	3,016713	3,1022057	3,054776667	-0,047429	0,967659241	Mir3473	
17436145	4,842069	4,772607	4,846725	4,809696	4,743634	4,765835	4,820467	4,773055	-0,047412	0,967670643	4930548H24Rik	
17202067	2,737911	3,29708	3,397028	3,292113	2,810939	3,186734	3,1440063	3,096595333	-0,047411	0,967671314	---	
17283544	8,923079	8,920366	8,718323	8,712542	8,947253	8,759782	8,8539227	8,806525667	-0,047397	0,967680704	---	
17436931	9,105399	9,337801	9,322307	9,27458	9,230176	9,118565	9,255169	9,207773667	-0,04739533	0,967681822	Grpel1	
17230566	6,055326	6,342743	6,106085	6,163415	6,188954	6,009639	6,1680513	6,120669333	-0,047382	0,967690766	---	

17302213	5,496046	6,04079	5,735301	5,736451	5,486649	5,906898	5,757379	5,709999333	-0,04737967	0,967692331	Mtrf1		
17231545	8,116596	8,197761	8,069137	8,009454	8,139909	8,092005	8,1278313	8,080456	-0,04737533	0,967695237	Lats1		
17547976	5,638694	5,6008	5,787416	5,531703	5,668651	5,684443	5,6756367	5,628265667	-0,047371	0,967698144	1700007E05Rik		
17212872	3,645154	3,527169	3,349292	3,66091	3,32182	3,39679	3,507205	3,45984	-0,047365	0,967702169	---		
17460023	5,656548	5,670489	5,750982	5,63185	5,498769	5,805312	5,692673	5,645310333	-0,04736267	0,967703734	Slc4a5		
17481831	10,21402	10,14135	10,18891	10,17013	10,16857	10,0635	10,181427	10,13406667	-0,04736	0,967705522	Usp47		
17357338	9,930495	10,06243	10,06431	9,939955	9,954409	10,02082	10,019078	9,971728	-0,04735033	0,967712006	Mta2		
17334599	7,042938	6,991154	7,060024	7,010825	6,975971	6,965302	7,031372	6,984032667	-0,04733933	0,967719385	BC003965		
17358007	10,14427	9,972551	9,978445	9,793335	9,931423	10,2285	10,031755	9,984419333	-0,047336	0,967721621	Rfk		
17391193	10,30084	10,37933	10,30052	10,44086	10,26717	10,13066	10,326897	10,27956333	-0,04733333	0,967723409	2010106G01Rik		
17327025	4,628657	4,609152	4,765486	4,802295	4,450201	4,608808	4,667765	4,620434667	-0,04733033	0,967725422	4932438H23Rik		
17397954	9,255148	9,499297	9,317372	9,313053	9,302651	9,314134	9,3572723	9,309946	-0,04732633	0,967728105	---		
17206129	5,730249	5,055449	4,596203	5,389756	4,722898	5,127298	5,1273003	5,079984	-0,04731633	0,967734813	---		
17207421	4,768975	5,113364	4,572881	4,916758	4,365875	5,030638	4,8184067	4,771090333	-0,04731633	0,967734813	---		
17521292	4,297306	4,238279	4,201097	4,137268	4,243793	4,213677	4,2455607	4,198246	-0,04731467	0,967735931	---		
17542364	8,097473	8,169525	8,154452	8,111043	8,092269	8,076201	8,1404833	8,093171	-0,04731233	0,967737496	Bgn // Bgn		
17367576	9,707007	9,615192	9,510893	9,54802	9,475273	9,667866	9,6110307	9,563719667	-0,047311	0,96773839	Acbd5		
17239147	8,438011	8,544571	8,547182	8,397547	8,52955	8,460775	8,5099213	8,462624	-0,04729733	0,967747558	Stxbp5		
17226189	6,651155	6,731031	6,434525	6,514597	6,514482	6,645772	6,6055703	6,558283667	-0,04728667	0,967754713	Inhbb		
17250109	4,991779	4,716897	4,725555	5,086037	4,398499	4,807869	4,8114103	4,764135	-0,04727533	0,967762315	Olfr313		
17549554	3,09547	3,101234	3,061444	2,967535	3,211537	2,937357	3,0860493	3,038809667	-0,04723967	0,967786241	---		
17549712	3,09547	3,101234	3,061444	2,967535	3,211537	2,937357	3,0860493	3,038809667	-0,04723967	0,967786241	---		
17548164	8,191033	8,210729	8,143555	8,134575	8,104429	8,164603	8,1817723	8,134535667	-0,04723667	0,967788253	---		
17259520	10,93568	11,09583	11,02216	10,99571	10,96147	10,95478	11,01789	10,97065333	-0,04723667	0,967788253	---		
17401526	7,429476	7,100047	7,33897	7,16616	7,320254	7,240373	7,2894977	7,242262333	-0,04723533	0,967789148	Kcna3		
17432546	4,82028	5,03896	5,033636	4,812625	4,923118	5,015457	4,964292	4,917066667	-0,04722533	0,967795856	Pramef12		
17383013	8,194407	8,275537	8,104179	8,191763	8,12439	8,11633	8,1913743	8,144161	-0,04721333	0,967803906	Sec16a		
17204653	6,042592	5,457652	5,008076	6,196609	4,587187	5,582918	5,5027733	5,455571333	-0,047202	0,967811509	---		
17275405	5,173154	5,286078	5,233668	5,024127	5,211093	5,316098	5,2309667	5,183772667	-0,047194	0,967816875	Heatr5a // Heatr5a		
17304003	3,070189	3,226099	3,684141	3,213393	3,453524	3,171937	3,3268097	3,279618	-0,04719167	0,967818441	---		
17442474	8,818312	8,855661	8,993774	8,862539	8,889109	8,774526	8,889249	8,842058	-0,047191	0,967818888	Arl6ip4		
17270118	6,692627	7,138178	6,78525	6,90942	6,64007	6,925071	6,8720183	6,824853667	-0,04716467	0,967836553	Atxn7l3		
17404478	5,920332	5,999478	5,864614	5,886941	5,827518	5,928476	5,9281413	5,880978333	-0,047163	0,967837672	Mecom		
17201501	4,177864	4,326127	4,150746	4,047249	4,538936	3,927067	4,2182457	4,171084	-0,04716167	0,967838566	---		
17299231	4,218767	4,069933	4,308475	4,185425	4,283872	3,986395	4,1990583	4,151897333	-0,047161	0,967839013	4930527F14Rik		
17335364	8,530481	8,653779	8,676852	8,493277	8,639847	8,586508	8,6203707	8,573210667	-0,04716	0,967839684	Mapk14		
17209615	4,544171	4,562672	4,089244	3,931636	4,420934	4,702109	4,3986957	4,351559667	-0,047136	0,967855785	---		
17366093	11,2679	11,45127	11,36558	11,31933	11,31687	11,30715	11,361583	11,31445	-0,04713333	0,967857574	Eif3a		
17292891	6,805122	7,259939	7,152132	7,031032	7,053442	6,991323	7,0723977	7,025265667	-0,047132	0,967858468	Pdlim7		
17441343	4,667036	4,616648	4,570306	4,492944	4,566858	4,652883	4,6179967	4,570895	-0,04710167	0,967878818	---		
17465003	3,891235	4,047259	3,927825	3,915879	3,803489	4,005652	3,9554397	3,90834	-0,04709967	0,96788016	---		
17208735	6,320632	5,676667	6,069483	6,163729	5,849583	5,912183	6,0222607	5,975165	-0,04709567	0,967882843	---		
17511509	8,867311	8,947589	8,916676	8,811357	8,926428	8,85257	8,9105253	8,863451667	-0,04707367	0,967897603	Brd7		
17348933	6,528389	6,597387	6,356945	6,340913	6,493646	6,506995	6,4942403	6,447184667	-0,04705567	0,967909679	Mapre2		
17550574	12,82185	12,98224	12,87607	12,80331	12,80123	12,93447	12,893387	12,84633667	-0,04705	0,967913481	---		
17538848	3,420481	3,470817	3,320909	3,367195	3,271608	3,432254	3,404069	3,357019	-0,04705	0,967913481	Mir98		
17538849	3,420481	3,470817	3,320909	3,367195	3,271608	3,432254	3,404069	3,357019	-0,04705	0,967913481	---		
17323824	3,909317	3,102698	3,310007	3,47273	3,427154	3,281042	3,440674	3,393642	-0,047032	0,967925557	Olfr166		
17418519	5,898058	5,903244	6,074846	5,996801	5,853362	5,884893	5,958716	5,911685333	-0,04703067	0,967926452	Oscp1		
17200757	2,985254	3,717584	3,021872	3,305515	3,013716	3,264399	3,24157	3,194543333	-0,04702667	0,967929136	---		
17400545	13,64519	13,51705	13,6063	13,4715	13,60284	13,55315	13,589513	13,54249667	-0,04701667	0,967935845	Hist2h2aa1		
17408017	13,64519	13,51705	13,6063	13,4715	13,60284	13,55315	13,589513	13,54249667	-0,04701667	0,967935845	Hist2h2aa1		
17420557	6,736631	6,802614	6,923417	6,976868	6,73065	6,614112	6,8208873	6,773876667	-0,04701067	0,96793987	Rnf186		
17547719	4,782896	4,855977	4,945503	5,371453	4,675608	4,396335	4,8614587	4,814465333	-0,04699333	0,9679515	Ahnak2		
17222232	4,724822	4,756481	4,839784	4,717855	4,74478	4,717513	4,7736957	4,726716	-0,04697967	0,967960669	Fam178b		
17481362	5,765525	5,767293	5,78931	5,75454	5,883973	5,5427	5,7740427	5,727071	-0,04697167	0,967966037	Olfr692		
17200035	3,674155	3,56083	5,409098	4,104611	4,523019	3,875557	4,2146943	4,167729	-0,04696533	0,967970286	---		
17398364	4,102255	3,897973	3,969404	4,123922	4,05874	3,646098	3,9898773	3,94292	-0,04695733	0,967975654	---		
17515960	4,372578	4,685333	4,483408	4,427295	4,596682	4,376478	4,513773	4,466818333	-0,04695467	0,967977443	Pate2		
17324689	9,268787	9,764631	8,88169	9,300784	9,303069	9,170397	9,305036	9,258083333	-0,04695267	0,967978785	---		
17359458	3,613683	3,469087	3,851491	3,525055	3,782288	3,486069	3,6447537	3,597804	-0,04694967	0,967980798	---		
17535826	8,523184	8,606064	8,370998	8,291386	8,394812	8,673212	8,500082	8,453136667	-0,04694533	0,967983705	Fam50a		
17298793	6,471849	6,483508	6,640648	6,469226	6,320552	6,66543	6,5320017	6,485069333	-0,04693233	0,967992428	Syt15		
17208763	5,744462	5,348387	5,301579	6,063275	5,266306	4,924168	5,4648093	5,417916333	-0,046893	0,968018819	---		
17340427	7,689016	8,004331	7,306895	7,626819	7,368979	7,863773	7,6667473	7,619857	-0,04689033	0,968020608	LOC100044193		
17201223	9,027496	8,812248	8,858049	8,593948	8,892862	9,070362	8,8992643	8,852390667	-0,04687367	0,968031791	---		
17377354	6,925656	7,030685	7,136418	6,794685	7,066255	7,091225	7,0309197	6,984055	-0,04686467	0,96803783	Nxt1		
17359574	5,269512	5,200658	5,171256	5,266589	5,060537	5,173715	5,2138087	5,166947	-0,04686167	0,968039843	Gm19437		
17443069	6,069144	6,065543	6,079728	5,823112	6,143179	6,107579	6,0714717	6,024623333	-0,04684833	0,96804879	Gatsl2		
17215097	5,07993	5,215951	5,244429	5,489228	4,779759	5,130785	5,1801033	5,133257333	-0,046846	0,968050356	B3gnt7		
17518982	4,723498	4,97191	4,801288	4,852659	4,704586	4,798915	4,832232	4,785386667	-0,04684533	0,968050803	B230323A14Rik		
17502714	7,821189	7,914215	7,87141	7,802616	7,800619	7,863088	7,868938	7,822107667	-0,04683033	0,968060868	Slc10a7		
17366953	6,843645	6,726024	6,770527	6,628413	6,811922	6,759407	6,7800653	6,733247333	-0,046818	0,968069144	Prkcq		
17306189	10,11269	10,17449	10,13661	10,0123	10,10482	10,16622	10,141263	10,09444667	-0,04681667	0,968070038	Hnrnpc		
17329001	7,770576	7,897778	8,0086	7,881362	7,929881	7,72527	7,892318	7,845504333	-0,04681367	0,968072052	Mrpl40		
17440136	7,309646	7,359632	7,270381	7,171639	7,349489	7,278101	7,3132197	7,266409667	-0,04681	0,968074512	Mtf2		
17431624	6,050118	5,953145	6,151047	5,920105	6,027211	6,066575	6,0514367	6,004630333	-0,04680633	0,968076972	Epha8		
17493578	5,123016	5,054074	5,037081	5,152446	4,900238	5,021086	5,0713903	5,02459	-0,04680033	0,968080998	---		
17498699	8,979352	8,97572	9,061223	8,948528	8,999447	8,927941	9,0054317	8,958638667	-0,046793	0,968085919	Stxbp2		
17249434	4,60861	4,477751	4,43293	4,332619	4,65748	4,388827	4,5064303	4,459642	-0,04678833	0,968089051	Skp1a		
17344122	9,682925	9,81909	10,03691	9,948915	9,827581	9,622066	9,8463083	9,799520667	-0,04678767	0,968089498	---		
17327485	4,212421	4,151953	4,332406	4,282701	4,105235	4,168494	4,23226	4,185476667	-0,04678333	0,968092406	---		
17501818	8,345982	8,428149	8,365936	8,345711	8,221159	8,432849	8,3800223	8,333239667	-0,04678267	0,968092853	2310045N01Rik // Mef2b		
17472630	3,257259	3,303241	3,613439	3,376894	3,472738	3,183984	3,391313	3,344538667	-0,04677433	0,968098445	---		
17254037	3,440958	3,208195	3,517941	3,33323	3,466731	3,226817	3,3890313	3,342259333	-0,046772	0,968100011	---		
17417791	7,94216	8,179415	8,149942	7,95962	8,092754	8,07889	8,0905057	8,043754667	-0,046751	0,968114103	Ebna1bp2		
17282016	5,503294	5,344012	5,417289	5,429502	5,383658	5,311183	5,4215317	5,374781	-0,04675067	0,968114327	4930426I24Rik		
17372837	3,610116	3,776754	3,252114	3,691316	3,470167	3,337268	3,546328	3,499583667	-0,04674433	0,968118576	Olfr1120		
17302578	12,13176	12,21878	12,32608	12,27906	12,23009	12,02724	12,22554	12,17879667	-0,04674333	0,968119248	Rpl41		
17227528	3,646861	4,094774	3,123723	3,673578	3,934389	3,117193	3,621786	3,575053333	-0,04673267	0,968126405	---		
17463422	5,499637	5,401575	6,204898	5,718356	5,468683	5,778904	5,7020367	5,655314333	-0,04672233	0,96813334	Nrip2		
17549028	4,694516	4,506162	4,717247	4,619308	4,581737	4,576717	4,6393083	4,592587333	-0,046721	0,968134234	---		
17356389	4,21376	3,826608	4,211774	4,132985	4,073148	3,905911	4,0840473	4,037348	-0,04669933	0,968148774	Catsper1		
17550645	2,859176	2,870399	2,926009	2,834655	2,88799	2,792877	2,8851947	2,838507333	-0,04668733	0,968156827	---		
17524994	9,320074	9,126819	9,177923	9,012825	9,245101	9,226862	9,208272	9,161596	-0,046676	0,968164433	Rp9		
17269252	4,245944	4,24779	4,322314	4,457935	4,065296	4,152918	4,272016	4,225383	-0,046633	0,968193289	2300003K06Rik		
17464848	2,698043	2,653667	3,137764	2,956341	2,679255	2,714014	2,8298247	2,783203333	-0,04662133	0,968201119	---		
17275890	4,743648	4,725449	4,785425	4,746964	4,666289	4,701407	4,7515073	4,704886667	-0,04662067	0,968201566	Klhdc1		
17329527	7,625176	7,968516	7,588012	7,641125	7,784613	7,61611	7,7272347	7,680616	-0,04661867	0,968202909	1600021P15Rik		
17547616	11,77939	11,84198	12,0648	11,85695	11,91	11,77937	11,89539	11,84877333	-0,04661667	0,968204251	---		
17222495	5,052464	4,710143	4,844093	4,868324	4,620347	4,978205	4,8689	4,822292	-0,046608	0,968210067	Lonrf2		
17411321	12,52188	12,70258	12,70721	12,59658	12,62137	12,5739	12,64389	12,59728333	-0,04660667	0,968210962	---		
17397318	2,967801	2,832218	3,037821	3,037928	2,872482	2,787619	2,9459467	2,899343	-0,04660367	0,968212975	---		
17532184	4,235869	4,166892	4,733306	4,529219	4,347727	4,119361	4,378689	4,332102333	-0,04658667	0,968224384	Scn10a		
17297319	9,120423	9,22767	9,033469	9,008098	9,094142	9,139565	9,1271873	9,080601667	-0,04658567	0,968225055	Top2b		
17304880	5,102775	4,779929	5,17183	4,963515	4,980285	4,970992	5,018178	4,971597333	-0,04658067	0,968228411	Chat		
17528741	3,994832	3,676377	4,172796	3,961186	3,748307	3,994832	3,9480017	3,901441667	-0,04656	0,968242281	Gm7866		
17269785	5,125203	5,176407	4,967024	4,927371	5,020103	5,181481	5,0895447	5,042985	-0,04655967	0,968242505	Plekhh3		
17443940	7,344604	7,449558	7,369697	7,311763	7,360271	7,352167	7,387953	7,341400333	-0,04655267	0,96824703			11/02/17
17404585	6,583853	6,502559	6,476651	6,279058	6,442554	6,701809	6,521021	6,474473667	-0,04654733	0,968250782	Zmat3		
17344200	5,041028	5,064583	5,322777	5,224352	4,948157	5,116253	5,142796	5,096254	-0,046542	0,968254362	Ly6g6d		
17300707	4,703339	5,03713	4,725896	4,444629	5,130976	4,751142	4,8221217	4,775582333	-0,04653933	0,968256151	Cma2		
17201269	5,189009	5,247529	5,272839	5,021883	5,08326	5,464631	5,236459	5,189924667	-0,04653433	0,968259507	---		
17207189	5,241613	4,73751	4,584346	5,242389	4,683982	4,497505	4,8544897	4,807958667	-0,046531	0,968261744	---		
17411999	3,004766	3,055485	2,966445	3,006368	2,968047	2,912719	3,0088987	2,962378	-0,04652067	0,968268679	---		
17330032	5,80468	5,564	5,698184	5,621895	5,638258	5,667301	5,6889547	5,642484667	-0,04647	0,968302685	E130310I04Rik		
17417195	8,321714	7,547151	7,214351	7,165678	7,450903	8,327259	7,6944053	7,647946667	-0,04645867	0,968310292	Cyp4a12b		
17288581	2,86781	3,023998	2,930362	2,886569	2,908247	2,887979	2,9407233	2,894265	-0,04645833	0,968310515	---		
17222568	5,048036	4,788501	5,064683	4,680523	5,075673	5,005719	4,9670733	4,920638333	-0,046435	0,968326176	Creg2		
17291008	3,35421	3,369106	3,486724	3,412953	3,311419	3,346373	3,4033467	3,356915	-0,04643167	0,968328414	Hist1h3i		
17220584	8,11341	8,175821	8,324819	8,017832	8,254976	8,201959	8,2046833	8,158255667	-0,04642767	0,968331099	Slc30a10		
17458377	4,557781	3,934299	4,657787	4,615735	4,262465	4,132421	4,383289	4,336873667	-0,04641533	0,968339377	Gimap1		
17418916	7,802986	8,058136	7,597284	7,74049	7,74147	7,83724	7,8194687	7,773066667	-0,046402	0,968348326	Rnf19b		
17527590	9,212302	9,296112	9,175538	9,16452	9,283567	9,096661	9,227984	9,181582667	-0,04640133	0,968348774	Clk3		
17429892	5,912232	5,630761	5,778128	5,7227	5,648873	5,810344	5,773707	5,727305667	-0,04640133	0,968348774	1700125G02Rik		
17257597	3,631244	3,28879	3,617867	3,408909	3,493078	3,496742	3,5126337	3,466243	-0,04639067	0,968355933	---		
17339187	6,594825	6,712558	6,826261	6,728686	6,891734	6,374058	6,7112147	6,664826	-0,04638867	0,968357276	Ddx11		
17247483	3,856493	3,576375	3,709031	3,663603	3,870945	3,468196	3,7139663	3,667581333	-0,046385	0,968359737	---		
17460577	9,526216	10,18035	9,415084	9,586881	9,648697	9,746971	9,7072167	9,660849667	-0,046367	0,968371819	---		
17233373	4,599001	4,536833	4,549592	4,459379	4,476069	4,610888	4,5618087	4,515445333	-0,04636333	0,96837428	Pkib		
17201207	4,468931	5,779253	4,440226	4,315545	4,673824	5,560044	4,8961367	4,849804333	-0,04633233	0,968395088	---		
17473669	3,508879	3,510457	3,404696	3,393188	3,624661	3,267198	3,4746773	3,428349	-0,04632833	0,968397773	Vmn1r70		
17458813	10,09823	9,988435	10,09516	10,08677	9,900145	10,056	10,060608	10,014305	-0,04630333	0,968414554	Aqp1		
17396878	4,531896	4,393507	4,628072	4,296206	4,713078	4,405288	4,517825	4,471524	-0,046301	0,96841612	Sox2		

17399164	8,784705	8,596435	8,496327	8,443969	8,656747	8,637867	8,6258223	8,579527667	-0,04629467	0,968420372	Rit1	
17475538	5,157273	5,312014	5,297801	5,290323	5,198005	5,139877	5,255696	5,209401667	-0,04629433	0,968420595	LOC100862260	
17304086	5,232963	5,072184	5,117762	5,102945	5,228137	4,952947	5,1409697	5,094676333	-0,04629333	0,968421267	---	
17318109	4,270373	4,36342	4,026315	4,493553	3,85868	4,169032	4,220036	4,173755	-0,046281	0,968429546	---	
17387866	3,101726	3,08454	3,123178	3,084227	3,134019	2,952374	3,103148	3,056873333	-0,04627467	0,968433797	---	
17389293	3,017339	2,973156	2,948349	2,815713	3,163937	2,820393	2,9796147	2,933347667	-0,046267	0,968438943	Olfr1306	
17440519	3,459203	3,481152	3,759368	3,718191	3,548863	3,293908	3,5665743	3,520320667	-0,04625367	0,968447894	---	
17320693	6,313945	6,093015	6,202365	6,343218	6,094053	6,033298	6,2031083	6,156856333	-0,046252	0,968449012	Gxylt1	
17247183	5,177107	5,29887	5,221596	5,318334	5,263323	4,977171	5,2325243	5,186276	-0,04624833	0,968451474	Adcy1	
17347638	8,104429	8,028509	8,14254	8,263237	7,852585	8,020956	8,091826	8,045592667	-0,04623333	0,968461543	Cox7a2l	
17460258	6,408531	6,311642	6,279243	6,21241	6,295318	6,352992	6,3331387	6,286906667	-0,046232	0,968462438	---	
17550631	11,23462	11,27614	11,18003	11,17341	11,25631	11,12239	11,230263	11,18403667	-0,04622667	0,968466018	---	
17420430	8,546693	9,200742	8,904916	8,45968	9,036661	9,017337	8,884117	8,837892667	-0,04622433	0,968467585	---	
17266928	4,624372	4,805151	4,684423	4,692075	4,709773	4,57344	4,7046487	4,658429333	-0,04621933	0,968470941	Gm11435	
17319009	5,002256	5,303682	5,286812	5,178042	5,182255	5,093798	5,1975833	5,151365	-0,04621833	0,968471612	Il2rb	
17375701	12,26416	12,11573	12,18266	12,22468	12,12414	12,07508	12,187517	12,1413	-0,04621667	0,968472731	Slc27a2	
17224935	4,577956	4,452568	4,368529	4,430878	4,504006	4,325541	4,466351	4,420141667	-0,04620933	0,968477654	Tm4sf20	
17457997	3,27387	3,114087	3,38785	3,316251	3,011829	3,309126	3,2586023	3,212402	-0,04620033	0,968483696	Olfr441	
17290457	5,050842	4,8273	4,910103	4,784944	4,860637	5,004064	4,929415	4,883215	-0,0462	0,96848392	Ryr2	
17465272	4,389343	4,096303	4,159282	4,074434	4,150505	4,281394	4,214976	4,168777667	-0,04619833	0,968485038	Grm8	
17215839	8,179815	8,379125	8,469137	8,362873	8,141527	8,385106	8,3426923	8,296502	-0,04619033	0,968490409	Rnpepl1	
17402787	3,858358	3,92834	4,239279	3,991598	3,835752	4,060056	4,008659	3,962468667	-0,04619033	0,968490409	Tacr3	
17547807	4,655601	4,532372	4,752562	4,555083	4,809142	4,437756	4,646845	4,600660333	-0,04618467	0,968494213	Exoc5 // Exoc5	
17233149	9,13632	9,293561	9,163309	9,12038	9,317245	9,017015	9,19773	9,151546667	-0,04618333	0,968495108	Ascc3	
17537982	4,558924	4,333704	4,60036	4,508845	4,434517	4,411095	4,4976627	4,451485667	-0,046177	0,96849936	Zcchc18	
17520596	4,224631	4,349235	4,345626	4,241686	4,310185	4,229123	4,3064973	4,260331333	-0,046166	0,968506744	---	
17514806	8,118643	8,35538	8,197352	8,15361	8,165609	8,213662	8,2237917	8,1776527	-0,04616467	0,968507639	Taf1d	
17266590	7,144527	7,185496	7,095787	7,042333	7,199215	7,045781	7,1419367	7,095776333	-0,04616033	0,968510548	Evi2a	
17443752	11,26751	11,18958	11,23833	11,173	11,18327	11,20068	11,231807	11,18565	-0,04615667	0,96851301	Cops6	
17233074	3,452287	3,068043	3,033204	3,045756	3,189692	3,179662	3,1845113	3,13837	-0,04614133	0,968523303	---	
17281342	4,124042	4,107547	4,086131	4,190715	4,049774	3,938836	4,1059067	4,059775	-0,04613167	0,968529793	---	
17459896	11,01137	11,14853	11,14814	10,9252	11,02261	11,22184	11,10268	11,05655	-0,04613	0,968530912	---	
17502147	9,146853	8,99362	9,096808	8,976531	9,098034	9,02434	9,0790937	9,032968333	-0,04612533	0,968534045	Use1	
17207987	3,541862	4,488129	3,425874	4,065376	3,840036	3,41227	3,8186217	3,772560667	-0,046061	0,968577235	---	
17497947	5,444022	5,249834	5,541021	5,362774	5,507139	5,226889	5,4116257	5,365600667	-0,046025	0,968601404	Efcab4a	
17209185	7,946491	7,963114	7,953821	7,929528	7,918743	7,877087	7,9544753	7,908452667	-0,04602267	0,96860297	---	
17370054	4,448347	4,256246	4,718807	4,317883	4,521199	4,446307	4,4744667	4,428463	-0,04600367	0,968615727	---	
17449842	5,738459	5,680567	5,706652	5,835359	5,517447	5,634876	5,7085593	5,662560667	-0,04599867	0,968619084	A430089I19Rik	
17445746	3,96152	4,168999	4,431047	4,31848	4,174392	3,9307	4,1871887	4,141190667	-0,045998	0,968619532	4921504A21Rik	
17474542	6,003864	6,238149	6,047543	5,996563	6,00655	6,148496	6,0965187	6,050536333	-0,04598233	0,968630051	---	
17423189	3,384335	3,536098	3,396925	3,299984	3,509256	3,370174	3,4391193	3,393138	-0,04598133	0,968630722	4930448K20Rik	
17462052	5,286051	5,200534	5,330323	5,302356	5,385869	4,990783	5,2723027	5,226336	-0,04596667	0,968640569	---	
17307969	8,341734	8,346656	8,298363	8,268864	8,365605	8,214426	8,3289177	8,282965	-0,04595267	0,968649969	Cdca2	
17200057	7,784005	7,698191	7,810417	7,749934	7,907856	7,496988	7,7642043	7,718259333	-0,045945	0,968655117	---	
17477237	5,93082	6,067663	6,270457	6,071659	5,968259	6,09119	6,0896467	6,043702667	-0,045944	0,968655788	Klk8	
17380251	8,075266	8,14629	8,03338	8,048106	7,930147	8,138864	8,0849787	8,039039	-0,04593967	0,968658698	Rab22a	
17332966	5,783183	5,549526	5,715436	5,734945	5,673079	5,502387	5,682715	5,636803667	-0,04591133	0,968677721	Gm1604b	
17397204	3,380176	4,038438	3,837702	3,794094	3,664619	3,659889	3,7521053	3,706200667	-0,04590467	0,968682198	---	
17488945	5,989472	5,977195	5,96324	5,759632	5,818745	6,213867	5,9766357	5,930748	-0,04588767	0,968693612	Zfp566	
17275869	12,58589	12,84602	12,6584	12,51836	12,65583	12,77846	12,69677	12,65088333	-0,04588667	0,968694284	Gm10166 // Gm10294	
17252038	5,956818	5,784397	5,828112	5,792283	5,657451	5,981963	5,8564423	5,810565667	-0,04587667	0,968700998	Zmynd15	
17539734	6,729401	6,961393	7,196127	6,782021	7,032524	6,934757	6,962307	6,916434	-0,045873	0,96870346	Asmt	
17541067	4,384257	4,222242	4,82422	4,887918	3,712919	4,692263	4,4769063	4,431033333	-0,045873	0,96870346	Rhox2g	
17499744	6,517997	6,289122	6,468722	6,492178	6,342986	6,303067	6,4252803	6,379410333	-0,04587	0,968705475	Defa23	
17401463	9,379454	9,34294	9,202084	9,179542	9,343386	9,263977	9,3081593	9,262301667	-0,04585767	0,968713756	1810022K09Rik	
17465969	7,454679	7,335786	7,561253	7,420461	7,598835	7,19485	7,4505727	7,404715333	-0,04585733	0,96871398	---	
17218042	6,526938	7,012313	6,662388	6,590803	6,409729	7,063543	6,7338797	6,688025	-0,04585467	0,96871577	---	
17243102	6,560882	6,262113	6,633788	6,381649	6,433121	6,504494	6,4855943	6,439754667	-0,04583967	0,968725842	Jsrp1	
17259902	7,095683	6,902864	7,5647	7,216224	7,070339	7,139166	7,187749	7,141909667	-0,04583933	0,968726066	Slc35e4	
17326887	5,300481	4,999871	4,837912	5,002708	5,101584	4,896488	5,046088	5,00026	-0,045828	0,968733676	ORF63	
17373781	8,78671	8,69915	8,788379	8,508663	8,796756	8,831405	8,7580797	8,712274667	-0,045805	0,96874912	Lmo2	
17236896	4,192809	4,051148	4,294811	3,966708	4,265904	4,168755	4,1795893	4,133789	-0,04580033	0,968752254	Gm20110	
17302771	3,169271	3,043855	3,043855	3,180811	2,984667	2,954104	3,0856603	3,039860667	-0,04579967	0,968752701	---	
17525725	3,193823	3,240375	3,255901	3,07936	3,413261	3,060177	3,230033	3,184266	-0,045767	0,968774637	Olfr948	
17513603	7,267884	7,141531	7,252676	7,096926	7,203685	7,224193	7,220697	7,174934667	-0,04576233	0,968777771	Zcchc14	
17215576	7,449984	7,314935	7,532353	7,366086	7,471906	7,322031	7,432424	7,386674333	-0,04574967	0,968786276	Agap1	
17474497	6,989558	6,758375	7,029899	6,920196	6,899151	6,821271	6,925944	6,880206	-0,045738	0,968794111	Eml2	
17462998	8,367914	8,423652	8,206435	8,303299	8,022542	8,534957	8,332667	8,286932667	-0,04573433	0,968796573	Zfp384	
17302358	2,996206	2,889028	3,186613	3,092615	2,959487	2,88256	3,023949	2,978220667	-0,04572833	0,968800602	---	
17327228	4,228448	4,148927	3,824936	3,82105	4,197331	4,046791	4,067437	4,021724	-0,045713	0,968810899	1700048M11Rik // 1700048M11Rik	
17200837	4,226489	4,507458	3,615358	4,192976	3,98524	4,033984	4,116435	4,070733333	-0,04570167	0,968818509	---	
17312081	4,410716	3,908806	4,049682	4,347875	4,002986	3,881267	4,123068	4,077376	-0,045692	0,968825001	---	
17532113	7,788945	7,914017	7,820282	7,769596	7,830336	7,786252	7,8410813	7,795394667	-0,04568667	0,968828582	Oxsr1	
17418241	8,478717	8,657784	8,668733	8,586369	8,570204	8,511654	8,6017447	8,556075667	-0,045669	0,968840446	Mycbp	
17382751	5,816875	5,621825	5,830027	5,900806	5,616285	5,614639	5,7562423	5,710576667	-0,04566567	0,968842685	Bmyc	
17504138	4,244949	3,983986	4,198049	3,997147	4,32996	3,962888	4,142328	4,096665	-0,045663	0,968844476	Ccl17	
17425377	5,165815	4,261779	4,485273	4,799264	4,463033	4,513606	4,6376223	4,591967667	-0,04565467	0,968850072	---	
17287471	9,669487	9,581514	9,656721	9,534266	9,587423	9,649096	9,6359073	9,590261667	-0,04564567	0,968856116	Faf2	
17488817	6,6288	6,655205	6,395544	6,545209	6,556993	6,440444	6,5598497	6,514215333	-0,04563433	0,968863727	Sipa1l3	
17435825	9,231576	9,071595	9,32761	9,203721	9,137627	9,152552	9,2102603	9,164633333	-0,045627	0,968868652	Cenpa	
17201797	4,767904	4,845387	5,046196	4,211212	4,860009	5,451389	4,8864957	4,84087	-0,04562567	0,968869547	---	
17201973	4,767904	4,845387	5,046196	4,211212	4,860009	5,451389	4,8864957	4,84087	-0,04562567	0,968869547	---	
17380518	9,155955	9,469791	9,251075	9,206415	9,105768	9,427879	9,2922737	9,246687333	-0,04558633	0,968895963	Gm14295 // Gm14295	
17468102	7,825841	7,66818	7,728358	7,671819	7,691601	7,722215	7,740793	7,695211667	-0,04558133	0,968899321	Wbp1	
17210539	2,968194	3,004021	2,953722	3,161211	2,787574	2,840426	2,9753123	2,929737	-0,04557533	0,96890335	---	
17322014	6,025228	5,753292	5,966599	6,126702	5,76172	5,71999	5,9150397	5,869470667	-0,045569	0,968907604	Krt73	
17496887	7,451215	7,52838	7,559374	7,480618	7,423818	7,497826	7,5129897	7,467420667	-0,045569	0,968907604	Rgs10	
17452097	4,203053	4,243001	4,313422	4,073476	4,180716	4,368598	4,2531587	4,207596667	-0,045562	0,968912305	Oas1c	
17300717	3,764791	3,520783	4,02224	3,998826	3,467293	3,705034	3,7692713	3,723717667	-0,04555367	0,968917902	Mcpt1	
17495586	8,022531	8,221355	8,233094	8,152087	8,095098	8,093143	8,1589933	8,113442667	-0,04555067	0,968919916	Gde1	
17274326	5,668649	5,900465	5,355518	5,839297	5,58268	5,36601	5,641544	5,595995667	-0,04554833	0,968921483	Gm4983	
17511018	5,622594	5,476686	5,620003	5,322626	5,526234	5,733786	5,5730943	5,527548667	-0,04554567	0,96892374	---	
17310827	7,198022	7,333	7,121686	7,305265	7,213214	6,997605	7,2175693	7,172028	-0,04554133	0,968926185	Fam173b	
17237182	4,775154	4,522225	4,773412	4,589306	4,628775	4,716121	4,6902637	4,644734	-0,04552967	0,96893402	9230102K24Rik	
17528663	9,849833	9,736198	9,778024	9,730859	9,711958	9,784655	9,7880183	9,742490667	-0,04552767	0,968935363	Polr2m	
17203487	5,34789	5,811644	5,671396	6,068899	5,377044	5,24842	5,61031	5,564787667	-0,04552233	0,96893845	---	
17430430	7,544115	7,774038	7,645599	7,737079	7,605749	7,484432	7,654584	7,609086667	-0,04549733	0,968955736	Fam167b	
17426784	6,376497	6,831376	6,690454	6,917027	6,294608	6,55021	6,6327757	6,587281667	-0,045494	0,968957975	2310067E19Rik	
17539997	6,635154	6,642406	6,710401	6,578146	6,64848	6,624866	6,6626537	6,617164	-0,04548967	0,968960885	Was	
17322637	6,253427	6,189452	5,787149	5,923507	5,967443	6,202611	6,076676	6,031187	-0,045489	0,968961333	Gm5480	
17200001	5,923998	5,77643	6,838952	6,169693	6,227752	6,005472	6,1797933	6,134305667	-0,04548767	0,96896228	---	
17352913	4,528947	4,46756	4,523071	4,641047	4,361378	4,380702	4,506526	4,461042333	-0,04548367	0,968964915	Dsc3	
17496492	5,477478	5,34638	5,578328	5,516998	5,383993	5,364745	5,4673953	5,421912	-0,04548333	0,968965139	Asphd1	
17411139	2,877713	2,78263	2,882361	2,912735	2,765504	2,728028	2,847568	2,802089	-0,045479	0,968968049	---	
17336077	8,402339	8,4283	8,580027	8,394535	8,30131	8,578424	8,470222	8,424756333	-0,04546567	0,968977004	Zfp955b	
17319957	4,817346	4,934562	5,163025	5,096627	4,986581	4,695331	4,9716443	4,926179667	-0,04546467	0,968977676	Sult4a1	
17418306	7,088155	7,25699	7,165126	7,121495	7,181359	7,071041	7,1700903	7,124631667	-0,04545867	0,968981706	Inpp5b	
17413633	6,656128	6,70186	6,531176	6,562072	6,626348	6,564371	6,6297213	6,584263667	-0,04545767	0,968982378	Rg9mtd3	
17510898	6,323268	6,254561	6,240898	6,281186	6,282314	6,118854	6,272909	6,227451333	-0,04545767	0,968982378	Scoc	
17473988	4,44864	4,683055	4,291246	4,14182	4,552025	4,592745	4,4743137	4,428863333	-0,04545033	0,968987303	Obox5	
17270481	5,560585	5,56205	5,502715	5,490999	5,517991	5,480018	5,5417833	5,496336	-0,04544733	0,968989318	Arhgap27	
17287790	4,140358	3,771438	3,737387	3,882564	3,968123	3,662204	3,883061	3,837630333	-0,04543067	0,969000512	---	
17219242	12,83255	12,94782	12,92007	12,86505	12,84042	12,85868	12,900147	12,85471667	-0,04543	0,96900096	Apoa2	
17225495	5,281389	5,593812	5,355473	5,558316	5,065713	5,470371	5,4102247	5,3648	-0,04542467	0,969004542	1700020N18Rik	
17413662	4,936789	4,953345	5,137022	4,998109	4,979906	4,912897	5,009052	4,963637333	-0,04541467	0,969011259	Gm12408	
17548703	5,283816	5,400095	5,443081	5,337725	5,314713	5,338366	5,375664	5,330268	-0,045396	0,969023797	Irf8 // Irf8	
17548654	12,1882	12,2062	12,32637	12,19743	12,24404	12,14314	12,240257	12,19487	-0,04538667	0,969030066	Rpl35 // Rpl35	
17547594	6,028284	5,993454	6,216754	6,031852	6,13126	5,939232	6,0794973	6,034114667	-0,04538267	0,969032752	LOC100862279	
17395131	5,248647	4,827719	5,497964	5,059133	5,601911	4,777165	5,1914433	5,146069667	-0,04537367	0,969038798	Mir298	
17230595	9,457182	9,263321	9,241624	9,089022	9,362764	9,374236	9,320709	9,275340667	-0,04536833	0,96904238	Degs1	
17501327	3,429195	3,594799	3,332517	3,480932	3,191204	3,548342	3,4521703	3,406826	-0,04534433	0,969058501	---	
17488544	8,065539	8,046296	7,994384	7,989531	8,026963	7,953692	8,0354063	7,990062	-0,04534433	0,969058501	Nfkbib	
17283248	7,097185	7,062592	7,01757	6,946081	7,073695	7,02164	7,0591157	7,013805333	-0,04531033	0,969081339	Ttc7b	
17244737	4,329922	4,468078	4,25171	4,183153	4,314579	4,416112	4,3499033	4,304614667	-0,04528867	0,969095893	Ptprq	
17444911	3,392597	3,445586	3,590273	3,315179	3,276945	3,700486	3,476152	3,43087	-0,045282	0,969100371	Gm19617	
17260167	7,999654	8,178094	7,983354	8,011607	7,973547	8,040112	8,0537007	8,008422	-0,04527867	0,96910261	Ccdc117	
17387837	3,014113	3,055774	3,285034	3,085017	3,201612	2,932529	3,118307	3,073052667	-0,04525433	0,969118955	Olfr1182	
17459269	5,200664	4,559813	4,96355	4,957198	5,046681	4,584403	4,908009	4,862760667	-0,04524833	0,969122986	A430010J10Rik	
17217329	3,962026	3,609208	4,105239	3,89456	3,803367	3,842827	3,8921577	3,846918	-0,04523967	0,969128808	Kiss1	
17550639	2,826561	2,81931	2,839955	2,789058	2,831002	2,730054	2,8286087	2,783371333	-0,04523733	0,969130375	---	
17398229	5,68679	5,540357	5,480506	5,533066	5,484408	5,554489	5,5692177	5,523987667	-0,04523	0,969135301	1110032F04Rik	
17516036	5,020454	5,163698	5,175054	5,132155	4,794018	5,297355	5,1197353	5,074509333	-0,045226	0,969137988	Hepacam	
17378663	9,049892	9,031277	9,266851	9,058466	9,056025	9,097862	9,1160067	9,070784333	-0,04522233	0,969140451	Myl9	
17547917	12,42335	12,369	12,34695	12,25832	12,34998	12,39534	12,379767	12,33454667	-0,04522	0,969142019	Hmgb1 // Hmgb1	

17548217	12,42335	12,369	12,34695	12,25832	12,34998	12,39534	12,379767	12,33454667	-0,04522	0,969142019	Hmgb1 // Hmgb1
17468520	7,697626	7,870549	7,675923	7,498166	7,86662	7,743657	7,7480327	7,702814333	-0,04521833	0,969143138	Snrnp27
17474205	5,908311	5,907113	6,358894	6,085119	5,95725	5,996296	6,058106	6,012888333	-0,04521767	0,969143586	Dact3
17381892	8,116142	8,033522	8,07272	7,990042	8,045246	8,051452	8,074128	8,028913333	-0,04521467	0,969145602	Ptpla
17521405	6,405851	6,411137	6,428887	6,31849	6,48989	6,301864	6,4152917	6,370081333	-0,04521033	0,969148513	Rassf1
17433743	7,75661	7,621508	7,603662	7,630877	7,625921	7,589353	7,6605933	7,615383667	-0,04520967	0,96914896	Ski
17350106	3,727197	3,732566	3,880693	3,6734	3,826679	3,704774	3,780152	3,734951	-0,045201	0,969154782	---
17282158	9,681715	9,764612	9,635176	9,799947	9,595033	9,550947	9,6938343	9,648642333	-0,045192	0,969160828	Rdh11
17418985	7,500626	7,730802	7,42594	7,444431	7,561967	7,515425	7,552456	7,507274333	-0,04518167	0,96916777	Zbtb8os
17399347	6,091896	6,153533	6,226439	6,024157	6,321999	5,990226	6,1572893	6,112127333	-0,045162	0,969180982	Thbs3
17207683	6,782774	6,81542	6,462581	6,839444	6,685604	6,400246	6,686925	6,641764667	-0,04516033	0,969182101	---
17484991	6,05499	5,99302	5,930324	5,998018	5,928149	5,916723	5,992778	5,94763	-0,045148	0,969190387	Muc2
17353599	9,023645	8,88138	8,935496	8,873324	8,85161	8,980193	8,9468403	8,901709	-0,04513133	0,969201583	Slc23a1
17455704	3,479032	3,127476	3,064258	3,376704	2,976607	3,182073	3,2235887	3,178461333	-0,04512733	0,96920427	LOC625240
17371088	4,880011	4,789684	5,358196	4,940601	4,812516	5,139396	5,009297	4,964171	-0,045126	0,969205166	Gm13580
17292722	7,321961	7,571878	7,513131	7,439658	7,38229	7,44969	7,46899	7,423879333	-0,04511067	0,969215467	Cltb
17266611	4,276393	4,262117	4,360757	4,246175	4,314223	4,203624	4,2997557	4,254674	-0,04508167	0,96923495	4930542H20Rik
17551147	10,68018	10,76958	10,78578	10,68121	10,78308	10,63601	10,74518	10,7001	-0,04508	0,96923607	---
17297189	5,874557	5,868995	5,891826	5,616543	5,955779	5,927831	5,8784593	5,833384333	-0,045075	0,969239429	---
17296548	3,079327	3,388933	3,337934	3,17742	3,251765	3,241846	3,2687313	3,223677	-0,04505433	0,969253313	Tcstv1
17549016	5,700543	5,621897	5,649302	5,664724	5,569673	5,602183	5,6572473	5,612193333	-0,045054	0,969253537	---
17356050	6,401077	6,522916	6,589401	6,661049	6,384234	6,333006	6,5044647	6,459429667	-0,045035	0,969266302	Tbx10
17472192	7,20774	7,427087	7,310849	7,044953	7,363635	7,402005	7,3152253	7,270197667	-0,04502767	0,969271229	Mgp
17310550	4,465922	3,968392	4,040389	4,244979	4,159646	3,935042	4,1582343	4,113222333	-0,045012	0,969281755	Cdh12
17332737	3,91446	3,929995	3,629445	3,929995	3,679316	3,729606	3,8246333	3,779639	-0,04499433	0,969293624	---
17292032	4,8564	4,642906	4,65564	4,660042	4,568232	4,791705	4,7183153	4,673326333	-0,044989	0,969297207	Mak
17201341	4,921927	5,382791	5,200483	5,346835	5,173802	4,849618	5,1684003	5,123418333	-0,044982	0,96930191	---
17411216	7,788341	7,686653	7,796682	7,735043	7,710131	7,69156	7,7572253	7,712444667	-0,04498067	0,969302806	Fam73a
17449609	4,814456	4,96728	4,991804	4,859878	4,920273	4,85847	4,9245133	4,879540333	-0,044973	0,969307957	Cdkl2
17385574	7,158518	7,270751	7,205272	7,113302	7,266698	7,119653	7,2115137	7,166551	-0,04496267	0,96931	Ly75
17421285	3,407547	3,370031	3,001333	3,228475	3,176671	3,238892	3,259637	3,214679333	-0,04495767	0,969318259	Gm13128
17384565	4,207619	3,957224	4,440839	4,086549	3,965045	4,419228	4,201894	4,156940667	-0,04495333	0,969321171	Olfr353
17473726	3,475355	3,305428	3,253654	3,420863	3,347481	3,131234	3,3448123	3,299859333	-0,044953	0,969321395	Vmn1r74
17364213	6,797019	6,431624	6,834234	6,626825	6,640928	6,660314	6,6876257	6,642689	-0,04493667	0,969332369	Fgfbp3
17459097	8,627442	8,459521	8,383987	8,311006	8,569925	8,455213	8,4903167	8,445381333	-0,04493533	0,969333265	Mmrn1
17234798	5,44147	5,568034	5,476861	5,574806	5,147795	5,628968	5,495455	5,450523	-0,04492	0,969335505	---
17370598	8,380634	8,504591	8,20576	8,344499	8,244694	8,366998	8,3636617	8,318730333	-0,04493133	0,969335952	Acvr2a
17411563	6,16953	5,492269	6,039488	5,925605	5,905393	5,735502	5,900429	5,8555	-0,044929	0,96933752	---
17305211	8,85729	9,06916	8,908649	8,919182	8,958611	8,822536	8,945033	8,900109667	-0,04492333	0,969341328	Tspan14
17548143	4,490133	4,52477	4,814777	4,5402	4,582845	4,571883	4,6098933	4,564976	-0,04491733	0,969345359	Gm10829
17414800	5,035179	4,935776	5,040685	5,11067	4,845066	4,92118	5,00388	4,958972	-0,044908	0,96935163	---
17385924	4,966305	5,127447	5,059081	5,077198	4,987673	4,953263	5,0509443	5,006044667	-0,04489967	0,969357229	Scn3a
17529977	4,508895	4,660631	4,749857	4,597405	4,544693	4,642589	4,6397943	4,594895667	-0,04489867	0,969357901	E330023G01
17348111	3,143369	3,207477	3,082724	3,13726	3,135148	3,026476	3,1445233	3,099628	-0,04489533	0,969360141	---
17363134	3,375875	3,267402	3,281964	3,179474	3,320487	3,290641	3,3084137	3,263534	-0,04487967	0,969370668	Olfr1453
17202859	2,933774	3,179436	3,270283	3,028774	3,263548	2,956549	3,127831	3,082957	-0,044874	0,969374475	---
17228248	4,205264	3,990015	4,321487	4,374537	4,190378	3,81725	4,1722553	4,127388333	-0,044867	0,969379179	C230024C17
17455999	3,716103	3,337895	3,16231	3,119725	3,426648	3,535346	3,405436	3,360573	-0,044863	0,969381866	---
17295463	8,61395	8,73308	8,46369	8,463997	8,595169	8,6171	8,6035733	8,558755333	-0,044818	0,969412103	Ptcd2
17293567	6,026325	5,981874	6,100787	5,720702	6,152622	6,101268	6,0363287	5,991530667	-0,044798	0,969425542	Gm16907
17458163	5,904457	5,675547	6,170248	6,072809	5,878619	5,664446	5,9167507	5,871958	-0,04479267	0,969429126	Krba1
17263893	9,030592	9,002697	8,838388	8,915453	8,889773	8,932118	8,9572257	8,912448	-0,04477767	0,969439205	Ulk2
17405355	6,513696	6,577051	6,442259	6,43006	6,522193	6,446426	6,511002	6,466226333	-0,04477567	0,969440549	Tm4sf1
17320993	5,508509	5,365004	5,455293	5,408956	5,424606	5,36092	5,4429353	5,398160667	-0,04477467	0,969441221	Endou
17384578	8,354073	8,227962	8,238396	8,232199	8,373581	8,080335	8,273477	8,228705	-0,044772	0,969443013	Pdcl
17432521	3,153104	3,233707	3,028426	3,087052	3,229627	2,964249	3,1384123	3,093642667	-0,04476967	0,969444581	C87977
17292292	5,008763	4,936437	5,252717	5,06803	5,176094	4,819501	5,0659723	5,021208333	-0,044764	0,969448389	A930002C04Rik
17336918	5,319468	5,392619	5,157406	5,288627	5,063985	5,382604	5,289831	5,245072	-0,044759	0,969451749	G6b
17243481	3,375983	3,309126	3,195014	3,154489	3,330876	3,26054	3,2933743	3,248635	-0,04473933	0,969464964	Gm1553
17494322	3,173056	3,295128	3,295128	3,066889	3,45961	3,102596	3,2544373	3,209698333	-0,044739	0,969465188	Trim34a // Trim34a
17342868	8,407024	8,474596	8,560291	8,524764	8,413918	8,369022	8,480637	8,435901333	-0,04473567	0,969467428	Fkbp5
17261035	8,347383	8,384237	8,140735	8,273726	8,176394	8,288114	8,290785	8,246078	-0,044707	0,969486692	Ahsa2
17290871	3,884143	3,866781	3,961843	3,696559	4,002134	3,879972	3,9042557	3,859555	-0,04470067	0,969490948	Nme8
17512765	5,063769	4,632527	4,935231	4,711976	4,951994	4,833468	4,8771757	4,832479333	-0,04469633	0,96949386	3010033K07Rik
17411633	3,085151	3,058146	3,217897	3,154764	2,95393	3,118433	3,120398	3,075709	-0,044689	0,969498788	---
17311678	5,748901	5,839297	5,894483	5,898295	5,737437	5,7129	5,8275603	5,782877333	-0,044683	0,96950282	Fam83a
17501146	2,999067	2,811611	2,827904	2,824645	2,776133	2,903761	2,8795273	2,834846333	-0,044681	0,969504164	---
17259383	6,782326	6,929731	6,929886	6,779418	6,901552	6,82696	6,8806477	6,835976667	-0,044671	0,969510884	Slc25a10
17362737	5,489866	5,324499	5,407389	5,403853	5,322235	5,361673	5,4072513	5,362587	-0,04466433	0,969515364	4930524O05Rik
17523436	4,277995	3,983396	4,31013	4,19478	4,082098	4,160674	4,190507	4,145850667	-0,04465633	0,96952074	Gm9524
17370522	12,81189	12,98778	12,94822	12,9154	12,82418	12,87436	12,915963	12,87131333	-0,04465	0,969524997	Eef1a1 // Eef1a1
17493995	8,098969	8,283771	7,698309	7,814839	7,96707	8,165222	8,0270163	7,982377	-0,04463933	0,969532165	Il18bp
17463709	8,305641	8,293348	8,29725	8,296497	8,265436	8,200396	8,2987463	8,254109667	-0,04463667	0,969533957	Crebl2
17299847	10,23019	10,51362	10,59767	10,42427	10,45932	10,32402	10,44716	10,40253667	-0,04462333	0,969542917	Rps19 // Rps19
17299924	10,23019	10,51362	10,59767	10,42427	10,45932	10,32402	10,44716	10,40253667	-0,04462333	0,969542917	Rps19 // Rps19
17484278	5,42765	5,305316	5,30925	5,201931	5,309743	5,396689	5,3474053	5,302787667	-0,04461767	0,969546726	Gm10578
17375665	7,536197	7,438045	7,305043	7,438637	7,297799	7,409009	7,4264283	7,381815	-0,04461333	0,969549638	Galk2
17321714	6,504381	6,620749	6,765303	6,525939	6,653303	6,577383	6,6301443	6,585541667	-0,04460267	0,969556806	Csrnp2
17204285	3,562877	4,296526	4,209089	3,539855	4,532111	3,862782	4,0228307	3,978249333	-0,04458133	0,969571143	---
17502899	4,593846	4,555448	4,504108	4,472568	4,472522	4,574617	4,551134	4,506569	-0,044565	0,96958212	Ucp1
17461082	5,873322	5,981255	6,340704	5,977946	6,18119	5,902502	6,0650937	6,020546	-0,04454767	0,969593769	Slc25a26
17549542	5,891886	5,885079	6,055561	5,845166	5,909263	5,944475	5,9441753	5,899634667	-0,04454067	0,969598474	---
17549694	5,891886	5,885079	6,055561	5,845166	5,909263	5,944475	5,9441753	5,899634667	-0,04454067	0,969598474	---
17438526	2,84399	3,192466	2,89221	2,943027	3,041201	2,810837	2,976222	2,931688333	-0,04453367	0,969603179	---
17490905	4,260271	4,085057	4,247494	4,203951	4,256547	3,998728	4,1976073	4,153075333	-0,044532	0,969604299	---
17454944	5,619776	5,571905	5,660158	5,625331	5,571453	5,521459	5,6172797	5,572747667	-0,044532	0,969604299	Tecpr1
17387956	3,749652	3,96744	3,206197	3,628953	3,524083	3,636678	3,6410963	3,596571333	-0,044525	0,969609003	Olfr1243
17205247	4,748146	4,495977	4,811386	4,888457	5,107213	3,926276	4,6851697	4,640648667	-0,044521	0,969611692	---
17209437	4,748146	4,495977	4,811386	4,888457	5,107213	3,926276	4,6851697	4,640648667	-0,044521	0,969611692	---
17425271	5,017386	5,047815	4,898953	4,846617	4,981154	5,002841	4,9880513	4,943537333	-0,044514	0,969616396	Ppp3r2
17284327	6,096324	5,683167	6,071221	5,851252	5,981717	5,884233	5,9502373	5,905734	-0,04450333	0,969623565	Ighg
17458936	3,437834	3,348363	3,265016	3,418437	3,231388	3,26789	3,3504043	3,305905	-0,04449933	0,969626253	Vmn1r8
17448840	6,891993	7,13665	6,877367	7,007787	6,990649	6,774104	6,96867	6,92418	-0,04449	0,969632526	Sgcb
17503275	5,082677	4,915751	4,977139	5,115874	4,878225	4,848005	4,9918557	4,947368	-0,04448767	0,969634095	Rtbdn
17514922	3,773494	4,062353	3,639249	3,698808	3,818809	3,824055	3,825032	3,780557333	-0,04447467	0,969642832	---
17535535	7,48112	7,459453	7,401518	7,366116	7,477681	7,364883	7,4473637	7,402893333	-0,04447033	0,969645744	Zfp275
17293116	4,511883	4,455379	4,577795	4,522524	4,504337	4,384789	4,515019	4,47055	-0,044469	0,969646641	Kif27
17547736	6,620759	6,93493	6,528096	6,463177	6,76184	6,725447	6,694595	6,650154667	-0,04444033	0,969665908	Ssr1 // Ssr1
17438823	9,63168	9,449042	9,368806	9,316431	9,434167	9,565623	9,483176	9,438740333	-0,04443567	0,969669044	Dck
17387656	3,787699	3,528089	3,41067	3,563265	3,53039	3,499512	3,575486	3,531055667	-0,04443033	0,969672629	Olfr1049
17356472	9,827591	9,753774	9,759323	9,715689	9,736388	9,755357	9,7802293	9,735811333	-0,044418	0,969680919	Cfl1
17219036	3,938629	3,498881	3,709417	3,567529	3,590633	3,855534	3,7156423	3,671232	-0,04441033	0,969686072	---
17302619	7,428769	7,466333	7,546506	7,26163	7,651232	7,395535	7,480536	7,436132333	-0,04440367	0,969690553	---
17338269	8,955372	9,004411	8,974456	9,049532	8,884073	8,867441	8,9780797	8,933682	-0,04439767	0,969694585	Ccnd3
17549426	5,098155	5,19173	5,356018	5,23747	4,840414	5,434875	5,215301	5,170919667	-0,04438133	0,969705564	---
17309364	2,954402	3,040999	3,17474	2,9918	3,039317	3,005912	3,0567137	3,012343	-0,04437067	0,969712733	---
17338068	4,085325	3,626319	3,808102	3,647905	3,885733	3,853023	3,8399153	3,795553667	-0,04436167	0,969718783	---
17550697	3,389018	3,311144	3,472629	3,408583	3,328612	3,302516	3,3909303	3,346570333	-0,04436	0,969719903	---
17202799	7,170963	7,665064	7,19325	7,294887	7,426461	7,17487	7,3430923	7,298739333	-0,044353	0,969724608	---
17241660	9,089454	9,065107	8,901573	9,018539	8,851626	9,052953	9,0187113	8,974372667	-0,04433867	0,969734243	Arid5b
17355086	3,988974	4,009711	4,05791	4,037803	3,922048	3,963745	4,018865	3,974532	-0,044333	0,969738051	Cplx4
17496397	8,576954	8,561467	8,754102	8,658585	8,611032	8,489922	8,630841	8,586513	-0,044328	0,969741412	Ppp4c
17356179	4,971832	4,652211	4,576823	4,528562	4,821537	4,7178	4,733622	4,689299667	-0,04432233	0,969745221	---
17509976	8,172537	7,987305	8,234177	8,091795	8,011629	8,157644	8,1313397	8,087022667	-0,044317	0,969748806	Slc25a42
17302092	6,19666	6,053037	6,133415	6,139103	6,00424	6,106827	6,127704	6,08339	-0,044314	0,969750823	Tsc22d1
17372725	6,010586	5,913952	5,846765	5,876015	5,840754	5,921602	5,9237677	5,879457	-0,04431067	0,969753063	Aplnr
17424596	4,302606	4,381767	4,524078	4,522656	4,227051	4,325817	4,402817	4,358508	-0,044309	0,969754184	Fam166b
17521091	7,696245	7,664726	7,358193	7,448791	7,573061	7,564416	7,5730547	7,528756	-0,04429867	0,96976113	Aste1
17402996	5,186149	5,379845	5,36254	5,020132	5,513103	5,262459	5,3095113	5,265231333	-0,04428	0,969773677	Ddit4l
17507637	7,736066	7,702456	7,717635	7,621798	7,830404	7,571145	7,718719	7,674449	-0,04427	0,969780399	Rasa3
17331581	3,96414	3,83531	4,096863	3,970942	4,043775	3,74881	3,9654377	3,921175667	-0,044262	0,969785777	---
17518310	9,878148	10,33498	10,38402	10,22033	10,21865	10,02541	10,199049	10,15479667	-0,04425267	0,969792051	---
17387664	3,663847	3,359975	3,235973	3,380912	3,525142	3,220995	3,4199317	3,375683	-0,04424867	0,96979474	Olfr1055
17290775	4,871285	4,655287	4,738341	4,782089	4,37899	4,971088	4,754971	4,710722333	-0,04424867	0,96979474	---
17486425	2,977007	2,744061	2,822978	2,815713	2,794151	2,801468	2,8480153	2,803777333	-0,044238	0,96980191	Vmn2r52
17365054	8,390291	8,405715	8,405711	8,402278	8,298147	8,368608	8,4005723	8,356344333	-0,044228	0,969808632	Cwf19l1
17305042	7,90105	8,000801	7,867206	7,865936	7,903146	7,867294	7,923019	7,878792	-0,044227	0,969809304	Bmpr1a
17234678	7,526797	7,492792	7,455415	7,380516	7,528059	7,433755	7,491668	7,447443333	-0,04422467	0,969810873	Sumo3
17311312	4,885782	4,568556	4,418081	4,445775	4,512798	4,781189	4,6241397	4,579920667	-0,044219	0,969814682	Angpt1
17384574	3,958357	3,903659	3,813637	3,940878	3,860182	3,741944	3,8918843	3,847668	-0,04421633	0,969816475	---
17509775	7,977332	8,497427	8,313814	7,997497	8,318774	8,339687	8,2628577	8,218652667	-0,044205	0,969824093	Lpl
17219483	10,72936	11,07237	10,82723	10,80543	10,9479	10,74303	10,87632	10,83212	-0,0442	0,969827454	---
17263535	8,213346	8,18053	7,96115	8,04957	7,9332	8,239658	8,118342	8,074142667	-0,04419933	0,969827903	Srebf1
17322774	9,062572	9,09776	9,331497	9,037565	9,137747	9,183955	9,163943	9,119755667	-0,04418733	0,969835969	Pmm2

17465557	9,323244	9,260775	9,284253	9,290448	9,353177	9,092098	9,289424	9,245241	-0,044183	0,969838882	Copg2
17305549	3,074439	3,118155	3,057345	3,047209	3,055661	3,014541	3,083313	3,039137	-0,044176	0,969843588	---
17327223	9,312208	9,14419	9,092871	9,065881	9,17195	9,178942	9,1830897	9,138924333	-0,04416533	0,969850759	Fam165b
17350545	5,38919	5,47874	5,352965	5,354764	5,429918	5,303754	5,406965	5,362812	-0,044153	0,96985905	Fam170a
17409166	4,536663	4,470149	4,086837	4,220759	4,573789	4,166684	4,3645497	4,320410667	-0,044139	0,969868461	---
17430674	4,956503	4,558071	4,720219	4,687093	4,69504	4,720254	4,744931	4,700795667	-0,04413533	0,969870926	---
17466874	4,782538	5,065572	4,939213	4,991093	4,776632	4,887192	4,9291077	4,884972333	-0,04413533	0,969870926	---
17254743	10,93626	11,06846	11,01414	10,94363	10,99905	10,94378	11,006287	10,96215333	-0,04413333	0,969872271	Rnu3b1 // Rnu3b1
17254745	10,93626	11,06846	11,01414	10,94363	10,99905	10,94378	11,006287	10,96215333	-0,04413333	0,969872271	Rnu3b1 // Rnu3b1
17254747	10,93626	11,06846	11,01414	10,94363	10,99905	10,94378	11,006287	10,96215333	-0,04413333	0,969872271	Rnu3b1 // Rnu3b1
17254749	10,93626	11,06846	11,01414	10,94363	10,99905	10,94378	11,006287	10,96215333	-0,04413333	0,969872271	Rnu3b1 // Rnu3b1
17232102	5,171859	5,12602	5,065723	5,304148	4,993145	4,933928	5,1212007	5,077073667	-0,044127	0,969876529	H60b
17483835	4,559496	4,269219	4,335335	4,366828	4,353698	4,311166	4,3880167	4,343897333	-0,04411933	0,969881683	Gm4265
17298090	5,06589	4,618057	4,717318	4,926149	4,750991	4,591816	4,8004217	4,756318667	-0,044103	0,969892663	Erc2
17342042	8,912405	9,164172	9,092944	9,066241	8,939162	9,031826	9,056507	9,012409667	-0,04409733	0,969896473	Nubp2
17234980	10,08875	10,18786	10,176	10,10689	10,17764	10,03581	10,15087	10,10678	-0,04409	0,969901403	Ptbp1
17534425	10,38159	10,45462	10,42372	10,38562	10,35995	10,3821	10,419977	10,37589	-0,04408667	0,969903644	Stag2
17372931	3,084836	3,084874	2,925864	3,093964	2,931079	2,938276	3,031858	2,987773	-0,044085	0,969904764	Olfr1212
17384549	8,543407	8,542202	8,478313	8,480591	8,528885	8,422281	8,5213073	8,477252333	-0,044055	0,969924933	Rbm18
17284344	4,741941	4,682937	4,865891	4,730721	4,712266	4,715618	4,7635897	4,719535	-0,04405467	0,969925157	Ighg3
17222623	3,743013	3,404094	3,809225	3,796439	3,668766	3,358992	3,6521107	3,608065667	-0,044045	0,969931656	---
17358682	9,728767	9,702785	9,832678	9,666838	9,769566	9,695759	9,7547433	9,710721	-0,04402233	0,969946895	Minpp1
17483516	8,927328	8,968857	9,063325	8,908606	9,0559	8,862939	8,9865033	8,942481667	-0,04402167	0,969947343	Bckdk
17446220	4,687136	4,578785	4,494255	4,435224	4,463198	4,729713	4,5867253	4,542711667	-0,04401367	0,969952722	Asb10
17334625	6,584074	6,870327	6,803336	6,75574	6,698416	6,671558	6,752579	6,708571333	-0,04400767	0,969956756	0610007P22Rik
17505225	7,854529	7,837351	7,791251	7,769991	7,886197	7,694923	7,8277103	7,783703667	-0,04400667	0,969957428	Vps4a
17505819	4,517645	4,542724	4,899806	4,704395	4,576308	4,547567	4,653425	4,609423333	-0,04400167	0,96996079	---
17201273	4,173854	4,024701	3,838586	3,809771	4,168659	3,92684	4,0123803	3,968423333	-0,043957	0,969990821	---
17367698	6,549885	6,47085	6,706271	6,531523	6,800986	6,262645	6,5756687	6,531718	-0,04395067	0,969995079	Psd4
17398338	4,124826	3,97928	4,154708	3,985302	4,042004	4,099688	4,0862713	4,042331333	-0,04394	0,970002251	Fstl5
17387365	4,488302	4,676626	4,540012	4,625371	4,481131	4,466624	4,5683133	4,524375333	-0,043938	0,970003595	---
17311821	8,570594	8,448701	8,411946	8,438442	8,454921	8,40608	8,4770803	8,433147667	-0,04393267	0,970007181	Nsmce2
17365161	9,5392	9,501217	9,42205	9,479059	9,41473	9,436888	9,487489	9,443559	-0,04393	0,970008974	---
17306082	4,011636	3,897046	4,001762	3,874745	3,933202	3,970824	3,970148	3,926257	-0,043891	0,970035197	Rnase9
17405764	7,5951	7,686653	7,502217	7,414037	7,549843	7,688435	7,5946567	7,550771667	-0,043885	0,970039231	Ift80
17440592	6,234118	6,10919	6,008728	6,164549	5,971046	6,08479	6,1173453	6,073461667	-0,04388367	0,970040127	Ttc28
17314910	10,0404	10,07892	9,956902	9,957659	10,00649	9,980444	10,025407	9,981531	-0,04387633	0,970045058	Larp4
17282339	4,431531	4,01032	4,217768	3,778511	4,548429	4,201111	4,219873	4,176017	-0,043856	0,97005873	Gm4787
17298312	8,184317	8,178055	8,131063	8,124617	8,118221	8,119062	8,1644783	8,120633333	-0,043845	0,970066127	Glt8d1
17547596	3,328971	3,587336	3,528605	3,433819	3,430301	3,449258	3,4816373	3,437792667	-0,04384467	0,970066351	LOC100862355
17424651	5,916315	5,997268	6,117978	5,899609	6,059043	5,941408	6,0105203	5,966686667	-0,04383367	0,970073747	Car9
17422218	5,300869	5,288107	5,323682	5,054609	5,495922	5,230631	5,3042193	5,260387333	-0,043832	0,970074868	Nphp4
17498872	7,206798	7,297443	7,212281	7,095942	7,303606	7,185485	7,2388407	7,195011	-0,04382967	0,970076437	---
17322488	7,516109	7,58011	7,428922	7,44002	7,465027	7,488621	7,5083803	7,464556	-0,04382433	0,970080023	Cluap1
17498426	8,321792	8,235053	8,312344	8,22303	8,253112	8,261578	8,2897297	8,245906667	-0,043823	0,970080919	Ppfia1
17275887	7,954242	7,781153	7,780052	7,863481	7,67151	7,849028	7,8384823	7,794673	-0,04380933	0,970090109	1110034A24Rik // 1110034A24Rik
17452978	6,161915	6,570557	6,640687	6,678035	6,157871	6,405839	6,4577197	6,413915	-0,04380467	0,970093247	Ubc
17550803	5,071744	4,95679	5,140742	4,965155	5,058543	5,014189	5,0564253	5,012629	-0,04379633	0,97009885	---
17215550	5,78875	5,645748	5,477274	5,709207	5,613446	5,457737	5,6372573	5,593463333	-0,043794	0,970100419	Gm19589
17378752	2,674052	2,890174	3,013081	2,865114	2,85296	2,727855	2,8591023	2,815309667	-0,04379267	0,970101316	---
17341679	6,58361	6,405578	6,653468	6,21189	6,818484	6,480951	6,547552	6,503775	-0,043777	0,970111851	---
17209941	7,734321	7,56582	7,588599	7,655948	7,442248	7,659295	7,62958	7,585830333	-0,04374967	0,970130231	---
17521716	4,680819	4,726246	4,575418	4,527636	4,473588	4,850025	4,6608277	4,617083	-0,04374467	0,970133593	BC048562
17207853	4,656325	4,984902	4,820601	4,658118	5,004628	4,667906	4,8206093	4,776884	-0,04372533	0,970146594	---
17478730	5,171325	5,230241	5,254328	5,110199	5,210021	5,204544	5,2186313	5,174921333	-0,04371	0,970156905	Gabrb3
17422990	2,907452	2,923022	2,98131	2,883847	2,948487	2,848347	2,9372613	2,893560333	-0,043701	0,970162957	---
17277859	11,24992	11,44434	11,32963	11,30531	11,33262	11,25488	11,341297	11,29760333	-0,04369333	0,970168112	Gm12191 // Gm12191
17492754	4,260403	4,353246	4,298886	4,336549	4,236225	4,208687	4,3041783	4,260487	-0,04369133	0,970169457	Cpeb1
17394724	7,087702	7,226742	7,119629	7,354322	6,880071	7,06862	7,144691	7,101004333	-0,04368667	0,970172595	---
17507284	5,348757	5,186716	5,575343	5,204303	5,450898	5,324576	5,370272	5,326592333	-0,04367967	0,970177303	---
17504587	4,118988	3,943545	4,13535	3,893445	4,124751	4,048709	4,065961	4,022301667	-0,04365933	0,970190977	Ces2h
17323632	6,974142	6,823279	7,247526	6,709224	7,077678	7,127083	7,0149823	6,971328333	-0,043654	0,970194563	Dgcr6
17266418	5,865044	5,256574	5,47479	5,441842	5,384361	5,639249	5,532136	5,488484	-0,043652	0,970195908	---
17221233	7,761696	8,471086	8,244071	7,980264	8,131111	8,234523	8,158951	8,115299333	-0,04365167	0,970196132	---
17550288	7,706075	7,102419	7,395685	7,540493	7,170074	7,362683	7,401393	7,35775	-0,043643	0,970201961	---
17446740	4,966494	4,899762	5,064479	4,86893	4,888358	5,042552	4,9769117	4,93328	-0,04363167	0,970209582	Cib4
17542774	3,404109	3,327089	3,59303	3,324023	3,468646	3,400722	3,4414093	3,397797	-0,04361233	0,970222584	4930428E23Rik // 4930428E23Rik
17319407	7,954155	8,17696	8,046666	7,844527	8,147068	8,055357	8,0592603	8,015650667	-0,04360967	0,970224377	Rps19bp1
17427579	4,924102	5,10134	5,073741	4,997125	5,08293	4,888314	5,033061	4,989456333	-0,04360467	0,97022774	---
17437996	4,972234	5,08048	5,114285	5,001789	4,959554	5,074864	5,0556663	5,012069	-0,04359733	0,970232672	Kctd8 // Kctd8
17478769	9,429103	9,485181	9,468301	9,426564	9,433533	9,391735	9,4608617	9,417277333	-0,04358433	0,970241414	A230073K19Rik
17464503	8,339987	8,362649	8,121395	8,14836	8,185692	8,359236	8,274677	8,231096	-0,043581	0,970243656	2810474O19Rik
17534324	4,846993	4,804201	4,864017	4,911005	4,692634	4,780841	4,8384037	4,794826667	-0,043577	0,970246346	Rhox13
17359454	5,394418	5,371303	5,418098	5,034784	5,582681	5,435662	5,3946063	5,351042333	-0,043564	0,970255089	AI606181
17252308	4,526589	4,868948	4,414244	4,74877	4,536715	4,393605	4,6032603	4,559696667	-0,04356367	0,970255313	---
17481693	5,555981	5,803537	5,971225	5,557412	5,583137	6,059544	5,7769143	5,733364333	-0,04355	0,970264504	1600010M07Rik // 1600010M07Rik
17499100	4,974384	5,144352	5,007918	5,005807	4,987671	5,002527	5,042218	4,998668333	-0,04354967	0,970264729	Sox1
17401169	8,687304	8,890714	8,918183	8,762232	8,836245	8,767101	8,832067	8,788526	-0,043541	0,970270557	Bcas2
17377627	4,18835	4,195201	4,061024	4,082788	4,098132	4,133062	4,1481917	4,104660667	-0,043531	0,970277283	---
17402742	5,033405	4,560503	4,531731	4,760547	4,452314	4,782219	4,7085463	4,665026667	-0,04351967	0,970284905	---
17493632	10,49533	10,37196	10,55037	10,48212	10,44363	10,36137	10,472553	10,42904	-0,04351333	0,970289164	Dgat2
17332269	5,343888	5,256938	5,339984	5,349346	5,143007	5,317919	5,3136033	5,270090667	-0,04351267	0,970289613	Setd4
17338747	8,806172	8,825195	8,861671	8,815712	8,708462	8,838334	8,8310127	8,787502667	-0,04351	0,970291406	Uhrf1
17541944	5,522357	5,451581	5,896301	5,627273	5,398149	5,714315	5,623413	5,579912333	-0,04350067	0,970297683	---
17363794	5,246644	5,182916	5,311875	5,041771	5,32627	5,242972	5,247145	5,203671	-0,043474	0,970315618	Rln1
17446561	6,066746	6,067436	6,249789	6,140723	6,200504	5,912332	6,1279903	6,084519667	-0,04347067	0,97031786	---
17218006	4,054651	4,098309	4,433321	4,169765	4,147785	4,138333	4,195427	4,151961	-0,043466	0,970320999	B3galt2
17229953	5,059122	5,098768	5,343107	5,116607	5,115533	5,138468	5,166999	5,123536	-0,043463	0,970323017	Gm2710
17549534	5,608242	5,592254	5,637355	5,690486	5,728809	5,288214	5,612617	5,569169667	-0,04344733	0,970333554	---
17549686	5,608242	5,592254	5,637355	5,690486	5,728809	5,288214	5,612617	5,569169667	-0,04344733	0,970333554	---
17225799	4,135358	4,094095	4,177297	4,072381	4,072381	4,131666	4,1355833	4,092142667	-0,04344067	0,970338038	---
17302849	11,09148	11,12744	11,10767	11,08034	11,12346	10,9925	11,108863	11,06543333	-0,04343	0,970345212	Tm9sf2
17332923	9,764612	9,811779	9,917271	9,821264	9,795168	9,746971	9,8312207	9,787801	-0,04341967	0,970352162	Dynlt1f // Dynlt1f
17514131	6,283865	6,606907	6,637774	6,443204	6,367214	6,587879	6,5095153	6,466099	-0,04341633	0,970354404	Exoc8
17410939	4,862751	4,97289	5,025897	4,840423	4,808214	5,082685	4,953846	4,910440667	-0,04340533	0,970361803	Clca3
17283933	7,83724	8,247239	7,979311	7,873578	8,451301	7,608724	8,0212633	7,977867667	-0,04339567	0,970368305	---
17528548	6,01223	6,525362	6,482356	6,360662	6,327086	6,202048	6,3399827	6,296598667	-0,043384	0,970376152	---
17344982	3,772299	3,839874	3,685992	3,735505	3,597461	3,835119	3,766055	3,722695	-0,04336	0,970392295	Glyatl3
17523387	6,748195	6,449088	6,566247	6,503325	6,559809	6,570332	6,5878433	6,544488667	-0,04335467	0,970395882	Fam198a
17373086	11,83871	11,7333	11,59711	11,53891	11,74168	11,75863	11,72304	11,67974	-0,0433	0,970432653	Mtch2
17549980	3,646125	3,595742	3,741554	3,527018	3,646369	3,680158	3,6611403	3,617848333	-0,043292	0,970438034	---
17333630	6,66292	6,786267	6,487138	6,292608	6,962014	6,551855	6,6454417	6,602159	-0,04328267	0,970444312	BC002059
17282638	4,418476	4,706552	4,441395	4,702019	4,34984	4,384733	4,522141	4,478864	-0,043277	0,970448124	---
17380071	4,570122	4,921937	4,53674	4,653129	4,460025	4,785826	4,6762663	4,632993333	-0,043273	0,970450815	---
17441429	5,71173	5,464961	5,604257	5,33019	5,751894	5,569047	5,5936493	5,550377	-0,04327233	0,970451263	Ksr2
17270095	9,124178	8,722881	9,130627	8,870432	9,240445	8,73704	8,992562	8,949305667	-0,04325633	0,970462026	---
17257024	3,086593	3,08809	2,944691	2,913141	3,048144	3,028355	3,0397913	2,996546667	-0,04324467	0,970469874	---
17395076	4,527898	4,410713	4,416905	4,278501	4,447456	4,499847	4,4518387	4,408601333	-0,04323733	0,970474807	Gm6103
17450672	5,62214	5,613588	5,787276	5,850111	5,576933	5,466351	5,6743347	5,631131667	-0,043203	0,970497902	---
17227297	9,316297	8,909689	9,144112	8,719959	9,247374	9,273161	9,123366	9,080164667	-0,04320133	0,970499024	Timm17a
17205929	5,661337	6,343809	6,128157	6,269694	5,951589	5,782434	6,0444343	6,001239	-0,04319533	0,97050306	---
17463909	9,103064	8,999575	8,677999	8,881069	8,787261	8,982811	8,9268793	8,883713667	-0,04316567	0,970523017	Mgst1
17527295	8,924445	8,858575	8,884512	8,900131	8,839162	8,798746	8,8891773	8,846013	-0,04316433	0,970523914	Wdr61
17291158	3,797321	3,721663	3,641265	3,734671	3,587793	3,708307	3,720083	3,676923667	-0,04315933	0,970527277	Btn2a2
17268279	9,501202	9,41869	9,43222	9,382078	9,421786	9,418772	9,450704	9,407545333	-0,04315867	0,970527726	Ube2z
17326206	3,694432	3,994832	3,167841	3,494044	3,629082	3,604505	3,619035	3,575877	-0,043158	0,970528174	---
17229607	9,990185	9,961601	9,83931	9,809742	9,976601	9,875292	9,9303653	9,887211667	-0,04315367	0,970531089	Fcgr2b
17462351	7,844745	8,143079	8,100357	8,086674	7,940474	7,931587	8,0293937	7,986245	-0,04314867	0,970534453	Il17ra
17512117	4,343206	3,825876	3,834662	4,088351	3,870944	3,915072	4,001248	3,958122333	-0,04312567	0,970549926	---
17211275	3,037049	2,940783	3,117613	3,05404	2,953451	2,958586	3,031815	2,988692333	-0,04312267	0,970551944	D030040B21Rik
17287294	5,384148	4,690416	4,197001	5,343338	4,188275	4,61059	4,7571883	4,714067667	-0,04312067	0,97055329	---
17238109	5,864707	5,775915	5,946732	5,91108	5,740917	5,806027	5,8624513	5,819341333	-0,04311	0,970560465	Tmem194
17538825	7,359209	7,628301	7,83724	7,338559	7,674934	7,681977	7,60825	7,565156667	-0,04309333	0,970571678	---
17390448	7,576265	7,798257	7,708368	7,596401	7,629201	7,728014	7,6942967	7,651205333	-0,04309133	0,970573023	Trp53bp1
17277816	9,91669	9,877278	9,783308	9,790072	9,847146	9,810788	9,859092	9,816002	-0,04309	0,97057392	Zc3h14
17204603	5,849238	5,923937	5,592816	5,681438	5,876226	5,67907	5,7886637	5,745578	-0,04308567	0,970576836	---
17403205	4,602089	5,448355	4,492809	4,792336	4,97599	4,645678	4,847751	4,804668	-0,043083	0,97057863	Gbp5
17459894	10,55484	10,81353	10,62129	10,5776	10,60264	10,68018	10,66322	10,62014	-0,04308	0,970580648	---
17231066	9,396206	9,505681	9,413613	9,390993	9,405906	9,389367	9,4385	9,395422	-0,043078	0,970581993	Dtl
17524827	6,953605	6,8865	6,859325	6,91365	6,837916	6,818637	6,89981	6,856734333	-0,04307567	0,970583563	Rab3d
17479474	6,459246	6,388449	6,35893	6,446503	6,214059	6,416866	6,4022083	6,359142667	-0,04306567	0,970590291	Mesp2
17219690	3,541938	3,412061	3,481015	3,489215	3,452713	3,363939	3,478338	3,435289	-0,043049	0,970601503	Olfr421-ps1
17252742	4,241656	3,835525	3,872826	3,876555	4,099211	3,845118	3,9833357	3,940294667	-0,043041	0,970606886	Olfr403
17287306	9,6099	9,602654	9,508955	9,526366	9,545019	9,521054	9,5738363	9,530813	-0,04302333	0,970618771	Spin1

17367139	4,675785	4,187812	4,268494	4,290872	4,440392	4,271759	4,3773637	4,334341	-0,04302267	0,97061922	Slc39a12	
17471625	4,070396	3,868511	4,096699	3,776553	4,048139	4,081849	4,0118687	3,968847	-0,04302167	0,970619893	Gm156	
17245847	5,008063	5,046074	5,061896	5,137402	4,930292	4,919275	5,0386777	4,995656333	-0,04302133	0,970620117	---	
17415979	7,741423	8,65282	8,223506	8,684588	7,863484	7,940649	8,2059163	8,162907	-0,04300933	0,97062819	Lepr	
17204735	4,349156	3,731594	3,863699	4,46469	3,898516	3,452235	3,981483	3,938480333	-0,04300267	0,970632676	---	
17239480	4,448582	4,41748	4,460054	4,674911	4,302184	4,220046	4,4420387	4,399047	-0,04299167	0,970640076	1700016L04Rik	
17244439	9,016436	9,259603	8,951122	8,988884	9,072686	9,036679	9,0757203	9,032749667	-0,04297067	0,970654205	Plxnc1	
17403473	5,063225	5,079207	5,030637	4,988668	5,018629	5,036881	5,0576897	5,014726	-0,04296367	0,970658915	Mcoln3	
17345761	3,531111	3,593873	3,774714	3,830201	3,578695	3,361917	3,6332327	3,590271	-0,04296167	0,970660126	1700122O11Rik	
17261399	8,86281	9,02281	8,91346	8,842025	8,909959	8,918295	8,9330267	8,890093	-0,04293367	0,970679099	Erlec1	
17535298	7,181483	7,332595	7,202604	7,069003	7,275016	7,243902	7,238894	7,195973667	-0,04292033	0,97068807	Mtm1	
17544078	9,751524	9,544003	9,349854	9,454743	9,547368	9,514521	9,5484603	9,505544	-0,04291633	0,970690762	Itm2a	
17337545	5,110872	5,076409	4,825613	4,741808	5,003776	5,138562	5,004298	4,961382	-0,042916	0,970690986	Ubd	
17335262	6,629837	6,596544	6,506708	6,502782	6,528644	6,572927	6,5776963	6,534784333	-0,042912	0,970693677	Zfp523	
17223471	3,452035	3,292278	3,161863	3,358594	3,134239	3,284622	3,3020587	3,259151667	-0,042907	0,970697041	---	
17319296	3,975317	3,917953	4,112922	4,031433	3,893681	3,952394	4,002064	3,959169333	-0,04289467	0,97070534	---	
17330523	8,974797	9,057512	8,890127	8,937857	8,995495	8,860466	8,9741453	8,931272667	-0,04287267	0,970720142	Atp6v1a	
17484701	4,20913	4,486731	4,006807	4,259881	4,260755	4,053432	4,2342227	4,191356	-0,04286667	0,97072418	Ifitm1 // Ifitm1	
17537209	4,533528	4,281609	4,468535	4,429047	4,338048	4,38801	4,4278907	4,385035	-0,04285567	0,970731581	Pou3f4	
17411744	5,43655	5,548628	5,664637	5,450823	5,632908	5,437582	5,5499383	5,507104333	-0,042834	0,97074616	Gm11827	
17263033	7,152495	7,38001	7,374011	7,182928	7,348895	7,246285	7,302172	7,259369333	-0,04280267	0,970767243	Fam114a2	
17487054	3,16301	3,285314	3,293734	3,288183	3,159595	3,16588	3,2473527	3,204552667	-0,0428	0,970769038	Psg26	
17291074	4,564956	4,790715	4,665477	4,689296	4,576744	4,626719	4,673716	4,630919667	-0,04279633	0,970771505	Vmn1r193	
17357418	13,09234	13,24151	13,11278	13,18252	13,04163	13,09411	13,148877	13,10608667	-0,04279	0,970775766	Fth1	
17249798	5,373238	4,717227	5,237639	5,370063	4,954268	4,875438	5,109368	5,066589667	-0,04277833	0,970783617	---	
17404259	9,425611	9,431169	9,272575	9,199889	9,356747	9,444424	9,3764517	9,333686667	-0,042765	0,970792589	Armc1	
17311874	3,913606	3,692005	3,930243	3,869325	3,563104	3,975137	3,8452847	3,802522	-0,04276267	0,970794159	1700065I16Rik	
17265111	8,412778	8,374036	8,309267	8,343328	8,282921	8,341544	8,3653603	8,322597667	-0,04276267	0,970794159	Rai12	
17348701	4,454568	3,657802	4,022608	4,049452	4,035218	3,922047	4,0449927	4,002239	-0,04275367	0,970800215	---	
17351133	3,939349	3,734779	4,112525	3,710341	3,952547	4,095518	3,9288843	3,886135333	-0,042749	0,970803355	LOC545261	
17412552	9,31189	9,405159	9,352862	9,15303	9,350485	9,438171	9,356637	9,313895333	-0,04274167	0,97080829	Ube2j1	
17258785	3,641308	3,631025	3,713921	3,712739	3,455113	3,690186	3,6620847	3,619346	-0,04273867	0,970810309	2900041M22Rik	
17473135	5,619426	5,960662	6,090767	5,951619	5,864704	5,726324	5,890285	5,847549	-0,042736	0,970812103	Prkcg	
17288624	4,872289	5,318166	5,327522	5,171482	5,180431	5,037861	5,172659	5,129924667	-0,04273433	0,970813225	Slc9a3	
17375341	9,583406	9,575278	9,46903	9,512912	9,538237	9,448371	9,5425713	9,49984	-0,04273133	0,970815244	Ctdspl2	
17221873	13,8677	13,88289	13,83841	13,80088	13,79098	13,86896	13,863	13,82027333	-0,04272667	0,970818384	ATP6	
17333995	3,99002	3,751966	3,589872	3,768197	3,821822	3,613691	3,777286	3,73457	-0,042716	0,970825562	Zfp943	
17201533	3,413722	3,278857	3,981742	3,6984	3,466076	3,381712	3,558107	3,515396	-0,042711	0,970828926	---	
17502348	7,585279	7,409773	7,49579	7,542157	7,378036	7,44254	7,4969473	7,454244333	-0,042703	0,97083431	Zfp961	
17509217	4,190291	4,429147	4,443584	4,31788	4,185451	4,431623	4,3543407	4,311651333	-0,04268933	0,970843506	Stox2	
17344303	7,339587	7,376075	7,140365	7,466106	7,095999	7,165861	7,2853423	7,242655333	-0,042687	0,970845077	Lst1	
17501905	5,161671	5,193735	5,257356	5,165463	5,186182	5,133061	5,204254	5,161568667	-0,04268533	0,970846198	Gdf1	
17417622	6,513758	6,150714	6,430595	6,287836	6,339588	6,339588	6,3650223	6,322337333	-0,042685	0,970846423	Ptch2	
17440772	6,543561	6,56827	6,685571	6,618669	6,556537	6,494259	6,599134	6,556488333	-0,04264567	0,970872892	Coro1c // Coro1c	
17436907	6,275962	6,618228	6,723674	6,534768	6,440319	6,51498	6,539288	6,496689	-0,042599	0,970904297	Afap1	
17418557	5,653516	5,386927	5,42607	5,181309	5,579187	5,578258	5,4888377	5,446251333	-0,04258633	0,970912822	---	
17269415	4,173531	3,725605	4,102377	4,173531	3,874105	3,826168	4,0005043	3,957934667	-0,04256967	0,970924038	Krt17	
17300243	3,470967	3,803315	3,092402	3,3959	3,317349	3,525727	3,4555613	3,412992	-0,04256933	0,970924262	---	
17356434	7,574702	7,748057	7,645761	7,590031	7,672355	7,578434	7,6561733	7,613606667	-0,04256667	0,970926057	Fibp	
17466565	7,225973	7,045662	7,183918	6,957758	7,25555	7,114545	7,151851	7,109284333	-0,04256667	0,970926057	Zfp746	
17362451	5,670986	5,782671	5,894657	5,760689	5,727439	5,732513	5,7827713	5,740213667	-0,04255767	0,970932114	Chrm1 // Chrm1	
17477527	3,957588	4,184602	4,027521	4,058099	3,991059	3,992892	4,0565703	4,014016667	-0,04255367	0,970934806	---	
17532595	14,11096	14,10753	14,13297	14,07759	14,05791	14,0883	14,117153	14,0746	-0,04255333	0,97093503	---	
17469754	5,254291	5,111258	4,956702	4,977678	5,086143	5,130787	5,107417	5,064869333	-0,04254767	0,970938844	Cidec	
17476186	7,440246	7,171549	7,331701	7,188837	7,408024	7,219048	7,3144987	7,271969667	-0,042529	0,970951407	Mir1964	
17491349	3,049919	3,108098	3,305439	3,155166	3,077051	3,103656	3,1544853	3,111957667	-0,04252767	0,970952304	Mrgprb5	
17373794	10,31496	10,17918	10,21966	10,15135	10,2023	10,23257	10,237933	10,19540667	-0,04252667	0,970952977	Fbxo3	
17216640	4,245832	4,276011	4,472378	3,79891	4,685417	4,382315	4,331407	4,288880667	-0,04252633	0,970953201	---	
17248941	6,953071	7,004237	7,184197	6,992626	7,025344	6,995973	7,0471683	7,004647667	-0,04252067	0,970957015	Mgat1	
17291064	3,232669	3,365226	2,791446	3,210166	2,986387	3,065275	3,1297803	3,087276	-0,04250433	0,970968008	Vmn1r221 // Vmn1r189	
17421962	5,322301	5,317373	5,265013	5,079635	5,438607	5,258932	5,3015623	5,259058	-0,04250433	0,970968008	LOC100862451	
17467474	4,477541	4,05901	3,875958	4,167274	3,902179	4,215577	4,137503	4,09501	-0,042493	0,970975636	---	
17286283	7,329011	7,421357	7,183828	7,259074	7,294982	7,252675	7,3113987	7,268910333	-0,04248833	0,970978776	Dusp22	
17296084	7,449955	7,478176	7,172395	7,284475	7,305736	7,382883	7,366842	7,324364667	-0,04247733	0,97098618	Zswim6	
17394993	5,682697	6,273618	5,790613	5,887023	5,783583	5,94889	5,9156427	5,873165333	-0,04247733	0,97098618	---	
17360845	3,86136	3,914876	3,962266	3,897945	3,909815	3,803313	3,912834	3,870357667	-0,04247633	0,970986853	Emx2	
17502086	5,615691	5,703763	5,384465	5,636152	5,578191	5,36215	5,567973	5,525497667	-0,04247533	0,970987526	---	
17251643	8,260861	8,098964	8,290968	8,144815	8,146359	8,232219	8,216931	8,174464333	-0,04246667	0,970993359	Tmem88	
17242322	7,560081	7,444499	7,551848	7,436952	7,530429	7,46166	7,5188093	7,476347	-0,04246233	0,970996275	Gm9507	
17211700	8,890553	8,991376	8,941649	8,842725	8,939616	8,913952	8,9411927	8,898764333	-0,04242833	0,971019159	Imp4	
17210471	2,858603	2,973156	4,022563	2,779487	3,453524	3,494044	3,284774	3,242351667	-0,04242233	0,971023197	---	
17430487	8,160822	8,185637	8,23168	8,060814	8,162746	8,22732	8,192713	8,150293333	-0,04241967	0,971024992	Txlna	
17322682	7,560514	7,478503	7,58007	7,52916	7,600876	7,361836	7,5396957	7,497290667	-0,042405	0,971034864	Alg1	
17431272	7,384363	7,366921	7,24052	7,257671	7,292552	7,314435	7,3306013	7,288219333	-0,042382	0,971050345	Pdik1l	
17399194	7,150336	7,232628	7,0199	7,161295	7,272766	6,841689	7,134288	7,091916667	-0,04237133	0,971057524	Gon4l	
17331842	4,480215	4,232693	4,934623	4,359127	4,588486	4,572831	4,549177	4,506814667	-0,04236233	0,971063582	Krtap26-1	
17393288	8,638552	8,675515	8,723772	8,656271	8,626278	8,628315	8,6792797	8,636954667	-0,042325	0,971088711	Gss	
17430130	6,298115	6,225037	6,482648	6,147593	6,4034	6,327835	6,3352667	6,292942667	-0,042324	0,971089384	Tfap2e	
17442082	7,354493	7,325721	7,398701	7,443981	7,314171	7,193814	7,3596383	7,317322	-0,04231633	0,971094545	Gpn3	
17215539	10,25877	10,26213	10,30959	10,28491	10,22432	10,19433	10,27683	10,23452	-0,04231	0,971098808	Spp2	
17290910	5,652052	5,921982	5,960016	5,805182	5,674007	5,927951	5,8446833	5,80238	-0,04230333	0,971103295	Trim27 // Trim27	
17239467	9,737324	9,904976	10,11632	9,944994	9,879597	9,80712	9,91954	9,877237	-0,042303	0,971103519	---	
17324420	9,97006	10,04034	9,846182	9,895153	9,956407	9,878158	9,952194	9,909906	-0,042288	0,971113616	St6gal1	
17464614	12,30363	12,4493	12,32019	12,43304	12,268	12,24522	12,357707	12,31542	-0,04228667	0,971114514	Pon1	
17205667	6,37541	6,221926	7,235542	6,729759	6,423126	6,553162	6,6109593	6,568682333	-0,042277	0,971121021	---	
17500085	4,322822	4,442082	4,457218	4,443262	4,364748	4,287289	4,407374	4,365099667	-0,04227433	0,971122816	A730045E13Rik	
17216186	3,14425	3,169594	3,745032	3,336727	3,340567	3,254811	3,3529587	3,310701667	-0,042257	0,971134483	Gm7135	
17353412	8,175916	8,157015	8,191868	8,114155	8,261938	8,021955	8,174933	8,132682667	-0,04225033	0,971138971	Reep5	
17300090	4,377783	3,737434	4,276559	4,183948	4,100772	3,980321	4,130592	4,088347	-0,042245	0,971142561	---	
17442780	5,969068	6,203556	6,108079	6,171406	5,935156	6,047419	6,0935677	6,051327	-0,04224067	0,971145478	Glt1d1	
17395466	7,757617	7,844634	7,808865	7,676958	7,815554	7,791885	7,8037053	7,761465667	-0,04223967	0,971146151	Taf4a	
17347558	4,146633	3,981665	3,746551	4,056741	3,791284	3,900128	3,958283	3,916051	-0,042232	0,971151312	Cdkl4	
17235566	12,51079	12,56629	12,6458	12,59954	12,5346	12,46207	12,574293	12,53207	-0,04222333	0,971157146	Eef2	
17529557	10,28749	10,577	10,31468	10,41614	10,34832	10,28807	10,393057	10,35084333	-0,04221333	0,971163878	---	
17529590	10,28749	10,577	10,31468	10,41614	10,34832	10,28807	10,393057	10,35084333	-0,04221333	0,971163878	---	
17425915	6,087022	5,632913	5,300503	5,667139	5,385594	5,841143	5,6734793	5,631292	-0,04218733	0,97118138	Mup8	
17550815	3,398553	3,526253	3,704829	3,563084	3,492622	3,447424	3,5432117	3,501043333	-0,04216833	0,97119417	---	
17206431	3,605841	4,141964	4,388815	4,654041	3,585877	3,770223	4,04554	4,003380333	-0,04215967	0,971200004	---	
17545381	7,960444	7,997303	7,843904	7,762016	7,902349	8,010847	7,9338837	7,891737333	-0,04214633	0,97120898	Gnl3l	
17467166	7,354946	7,162199	7,356285	7,145699	7,298215	7,303081	7,2911433	7,248998333	-0,042145	0,971209878	Pigy	
17333667	6,963737	7,525187	6,982314	7,178838	6,967766	7,19825	7,1570793	7,114951333	-0,042128	0,971221322	---	
17499325	4,173389	4,415856	4,501097	4,194894	4,458722	4,310373	4,3634473	4,321329667	-0,04211767	0,971228279	Grk1 // Grk1	
17458752	5,702245	6,288344	6,071008	5,772418	6,198006	5,964828	6,0205323	5,978417333	-0,042115	0,971230074	2410066E13Rik	
17326069	3,413515	3,403735	3,270892	3,661185	3,112872	3,187789	3,362714	3,320615333	-0,04209867	0,97124107	Retnla	
17335121	5,29329	5,423905	5,387088	5,252139	5,465857	5,260009	5,3680943	5,326001667	-0,04209267	0,971245109	---	
17261969	7,763083	7,869762	7,91728	7,964552	7,715448	7,743848	7,8500417	7,807949333	-0,04209233	0,971245333	Ttc1	
17249036	5,50643	5,551584	5,512969	5,414361	5,614964	5,415423	5,523661	5,481582667	-0,04207833	0,971254758	Gfpt2	
17504829	5,314835	5,426707	5,427668	5,537324	5,138581	5,367073	5,3897367	5,347659333	-0,04207733	0,971255432	Hsd11b2	
17294734	5,624998	5,95395	4,964839	5,35758	5,311174	5,748819	5,5145957	5,472524333	-0,04207133	0,97125971	---	
17444876	9,297476	9,561791	9,239936	9,271373	9,432457	9,269162	9,366401	9,324330667	-0,04207033	0,971260144	Pomp	
17498193	5,38027	5,281162	5,285732	5,315028	5,380831	5,125147	5,3157213	5,273668667	-0,04205267	0,971272038	---	
17420619	7,81147	7,895103	7,809799	7,755107	7,816921	7,8182	7,8387907	7,796742667	-0,042048	0,97127518	C230096C10Rik	
17205937	4,462746	4,072452	4,377766	4,473039	4,218385	4,095397	4,3043213	4,262273667	-0,04204767	0,971275404	---	
17233262	5,366431	5,371543	5,414218	5,366899	5,349782	5,30938	5,384064	5,342020333	-0,04204367	0,971278097	Vgll2	
17381779	11,49542	11,44987	11,40303	11,38861	11,46416	11,36942	11,44944	11,40739667	-0,04204333	0,971278321	Rsu1	
17407542	4,27259	4,187816	4,398131	4,141086	4,413146	4,178186	4,286179	4,244139333	-0,04203967	0,97128079	Oaz3	
17250829	4,623233	4,410717	4,227064	4,416934	4,340878	4,377108	4,420338	4,378306667	-0,04203133	0,9712864	Tekt3	
17474128	11,17016	11,65803	11,56705	11,2375	11,519	11,51265	11,46508	11,42305	-0,04203	0,971287298	---	
17308132	12,16978	12,29514	12,31004	12,11983	12,18179	12,34727	12,25832	12,21629667	-0,04202333	0,971291786	Slc25a37	
17468712	7,747221	8,100777	7,585126	7,280973	7,648814	8,377305	7,8110413	7,769030667	-0,04201067	0,971300314	---	
17536954	5,01265	4,868134	5,219654	4,868928	5,223935	4,881551	5,0334793	4,991471333	-0,042008	0,971302109	Cdx4	
17341026	4,524002	4,598228	4,537863	4,386356	4,488059	4,659668	4,5533643	4,511361	-0,04200333	0,971305251	---	
17258473	5,645581	5,652846	5,821181	5,665201	5,746982	5,581465	5,706536	5,664549333	-0,04198667	0,971316472	Itgb4	
17526659	5,082676	5,214646	5,23436	5,127766	4,972081	5,305902	5,1772273	5,135249667	-0,04197767	0,971322532	Gm10677	
17347821	4,316679	4,278811	4,438979	4,251452	4,237507	4,419586	4,344823	4,302848333	-0,04197467	0,971324552	Six3os1	
17536390	6,417216	6,354029	6,202369	6,310135	6,342518	6,195088	6,324538	6,282580333	-0,04195767	0,971335997	Heph	
17532093	6,201017	6,142599	6,311303	6,2609	6,016451	6,251717	6,2183063	6,176356	-0,04195033	0,971340935	Slc22a13	
17325560	9,577465	9,523708	9,365748	9,439714	9,388156	9,513208	9,4889737	9,447026	-0,04194767	0,97134273	Gsk3b	
17321169	7,994307	7,616463	7,760762	7,73568	7,841874	7,66817	7,7905107	7,748574667	-0,041936	0,971350585	Asb8	
17422691	5,997606	6,086366	5,92783	5,984068	6,059416	5,842583	6,003934	5,962022333	-0,04191167	0,971366969	E230028L10Rik	
17303024	7,235682	7,575626	6,973109	7,387173	7,315953	6,955579	7,2614723	7,219568333	-0,041904	0,971372131	Gm10021	
17261878	4,443662	3,785407	4,174817	3,998156	4,163842	4,116181	4,1346287	4,092726333	-0,04190233	0,971373253	Gabrg2	
17457703	4,097177	3,980149	4,019862	3,998117	4,090843	3,882556	4,032396	3,990505333	-0,04189067	0,971381108	---	
17333899	3,534028	3,439378	3,274812	3,298323	3,34391	3,480335	3,4160727	3,374189333	-0,04188333	0,971386046	Vmn1r236	

17345830	5,35919	5,30452	5,349191	5,313201	5,314366	5,259696	5,3376337	5,295754333	-0,04187933	0,971388739	Daam2
17360842	10,65402	10,73937	10,88404	10,76471	10,84033	10,54681	10,759143	10,71728333	-0,04186	0,971401756	Rps12
17522814	4,900781	4,612619	4,701646	4,598911	4,659744	4,830822	4,7383487	4,696492333	-0,04185633	0,971404225	---
17547573	11,00597	11,45659	11,2969	11,23257	11,22065	11,18068	11,253153	11,2113	-0,04185333	0,971406245	Rpl7 // Rpl7
17516538	6,693522	6,601854	6,658157	6,446069	6,681958	6,699973	6,6511777	6,609333333	-0,04184433	0,971412305	Ccdc153
17525418	7,877192	7,931261	7,798131	7,705923	7,902879	7,872278	7,8688613	7,827026667	-0,04183467	0,971418814	Hyls1
17308469	11,9531	11,8959	11,95543	11,64781	11,91688	12,11425	11,93481	11,89298	-0,04183	0,971421956	---
17423893	7,679702	7,848816	7,50668	7,533634	7,649628	7,726487	7,6783993	7,636583	-0,04181633	0,971431159	1810030N24Rik
17408563	7,392943	7,376387	7,298253	7,215683	7,389808	7,336666	7,355861	7,314052333	-0,04180867	0,971436321	Vangl1
17239474	4,345109	4,225715	4,265803	4,398757	4,290718	4,021742	4,2788757	4,237072333	-0,04180333	0,971439912	Gje1
17233067	10,43053	10,32448	10,39249	10,1091	10,54711	10,36588	10,3825	10,34069667	-0,04180333	0,971439912	---
17307609	7,757696	7,687426	7,775296	7,665132	7,689826	7,74008	7,7401393	7,698346	-0,04179333	0,971446646	Gata4
17303442	4,868514	4,758964	4,74428	4,582838	4,936299	4,727293	4,790586	4,74881	-0,041776	0,971458317	Oit1
17236800	11,54336	11,71375	11,57694	11,58209	11,51311	11,61359	11,61135	11,56959667	-0,04175333	0,97147358	Dcn
17285998	10,30106	10,42846	10,29297	10,29305	10,26336	10,34082	10,34083	10,29907667	-0,04175333	0,97147358	BC005537
17321524	6,862153	7,066674	6,573434	7,048741	6,519332	6,808937	6,834087	6,792336667	-0,04175033	0,9714756	Fmnl3
17305243	5,427844	4,998288	5,405057	5,367036	5,114566	5,224354	5,277063	5,235318667	-0,04174433	0,971479641	Sftpd
17262273	3,433099	3,437409	3,155154	3,429876	3,28088	3,189692	3,3418873	3,300149333	-0,041738	0,971483905	LOC100504941
17393221	5,694525	5,44573	5,803186	5,615463	5,633613	5,569199	5,6478137	5,606091667	-0,041722	0,97149468	2310005A03Rik
17548944	4,013806	4,121872	4,223341	4,165091	4,161495	3,907268	4,119673	4,077951333	-0,04172167	0,971494904	Slamf6
17399173	4,550875	5,149594	5,072198	4,805618	4,626291	5,215607	4,9242223	4,882505333	-0,041717	0,97149804	---
17355060	4,333632	4,325921	4,397302	4,438516	4,241218	4,251984	4,352285	4,310572667	-0,04171233	0,971501189	Alpk2
17297445	4,103771	4,199888	4,152198	4,274855	4,061506	3,994409	4,1519523	4,110256667	-0,04169567	0,97151241	---
17478277	8,287695	8,514349	8,191134	8,180404	8,429119	8,25858	8,3310593	8,289367667	-0,04169167	0,971515106	Zdhhc13
17532038	4,615339	4,505386	4,48034	4,523681	4,576411	4,375907	4,5336883	4,491999667	-0,04168867	0,97151726	---
17497584	6,547191	6,37009	6,477096	6,515895	6,307243	6,446229	6,4647923	6,423122333	-0,04167	0,971529696	Caly
17416955	5,34344	5,492054	5,863762	5,400334	5,624203	5,549743	5,5664187	5,524476	-0,04165867	0,971537328	Bend5
17262102	4,016269	4,299229	4,506119	4,283084	4,184889	4,228673	4,2738723	4,232215333	-0,0416557	0,971538451	Itk
17253512	9,679651	9,656958	9,645889	9,543484	9,715968	9,598097	9,6608327	9,619183	-0,04164967	0,971543389	2610507B11Rik
17550641	2,841385	2,838891	2,847792	2,808922	2,84391	2,750291	2,8426893	2,801041	-0,04164833	0,97154428	---
17417571	4,421618	4,290217	3,998976	4,166476	4,240112	4,179315	4,236937	4,195301	-0,041636	0,971552593	---
17324486	5,160049	4,771645	4,824153	4,913733	4,967296	4,749986	4,9186157	4,877005	-0,04161067	0,971569653	Trp63
17423658	4,9477	5,190401	5,080443	5,00488	4,985978	5,102885	5,072848	5,031247667	-0,04160033	0,971576612	---
17468961	8,686229	8,681961	8,842437	8,759454	8,573227	8,75315	8,7368757	8,695277	-0,04159867	0,971577734	Nup210
17288051	7,92627	8,099617	7,86981	7,824753	8,002937	7,943221	7,9652323	7,923637	-0,04159533	0,971579979	Zfp808
17278364	4,438502	4,59725	4,474117	4,61547	4,327484	4,442223	4,5032897	4,461725667	-0,041564	0,971601081	Tcl1b5
17397550	4,096371	4,043787	3,931748	4,153919	3,694432	4,098924	4,0239687	3,982425	-0,04154367	0,97161477	---
17318787	6,262364	6,657228	6,425453	6,339808	6,402551	6,478062	6,4483483	6,406807	-0,04154133	0,971616346	Apol7b
17372033	3,754478	2,995353	3,140586	3,049225	3,493792	3,222787	3,2968057	3,255268	-0,04153767	0,97161816	---
17315789	8,007202	8,203871	7,924086	7,949878	7,990045	8,070628	8,045053	8,003517	-0,041536	0,971619938	Wdr70
17442046	7,187606	7,169639	7,275977	7,285018	7,20222	7,021391	7,211074	7,169543	-0,041531	0,971623305	Hvcn1
17387717	2,940663	3,123178	2,916373	2,808855	3,271447	2,775331	2,9934047	2,951877667	-0,041527	0,971625999	Olfr1097
17372781	3,324288	3,284786	3,179161	3,453086	3,142133	3,068457	3,262745	3,221225333	-0,04151967	0,971630938	Olfr1029
17284913	3,833005	4,02943	3,975333	3,810234	4,063502	3,839506	3,9459227	3,904414	-0,04150867	0,971638346	Tubal3
17202715	3,331607	3,613862	3,169971	3,507508	3,422742	3,060728	3,3718133	3,330326	-0,04148733	0,971652714	---
17241822	7,474207	7,451348	7,599663	7,4379	7,396799	7,566066	7,508406	7,466921667	-0,04148433	0,971654735	1110038D17Rik
17322320	6,524692	6,543901	6,653635	6,638931	6,398528	6,560322	6,574076	6,532593667	-0,04148233	0,971656082	Smug1
17244140	8,179096	8,135656	8,052266	8,188707	8,038172	8,015722	8,1223393	8,080867	-0,04147233	0,971662817	Apaf1
17337491	7,547682	7,544167	7,493555	7,490464	7,467669	7,502884	7,528468	7,487005667	-0,04146233	0,971669552	Znrd1as
17465319	5,452983	5,410933	5,434241	5,371001	5,302461	5,500366	5,432719	5,391276	-0,041443	0,971682573	Pax4
17437107	6,140988	6,101611	6,450476	6,452289	6,03879	6,077737	6,231025	6,189605333	-0,04141967	0,971698289	Drd5
17314242	3,650202	3,757685	3,757685	3,568595	3,624732	3,848013	3,7218573	3,680446667	-0,04141067	0,971704351	---
17211303	3,584863	3,136625	3,330858	3,214388	3,406642	3,30709	3,350782	3,309373333	-0,04140867	0,971705698	---
17207919	3,849917	4,01308	3,591733	3,741427	3,796169	3,792913	3,8182433	3,776836333	-0,041407	0,97170682	---
17251452	3,578526	2,880927	3,081503	2,873788	3,259277	3,283694	3,1803187	3,138919667	-0,041399	0,971712209	---
17451867	7,694062	7,64012	7,701728	7,739731	7,488925	7,683078	7,6786367	7,637244667	-0,041392	0,971716923	Rfc5
17548705	4,917592	4,769539	4,832791	4,979227	4,643358	4,773193	4,839974	4,798592667	-0,04138133	0,971724108	Mela // Mela
17204113	4,104118	4,858514	3,639358	4,127762	4,380067	3,970023	4,2006633	4,159284	-0,04137933	0,971725455	---
17356526	6,416727	6,262915	6,288027	6,159684	6,279573	6,404348	6,3225563	6,281201667	-0,04135467	0,971742069	Ltbp3
17257554	7,905903	8,08056	7,932995	7,900238	7,969556	7,925611	7,9731527	7,931801667	-0,041351	0,971744539	Psmc5
17205513	8,517837	8,303521	8,731139	8,317847	8,42738	8,683234	8,517499	8,476153667	-0,04134533	0,971748356	---
17301166	4,796454	4,595484	4,854132	4,501577	4,938852	4,681723	4,74869	4,707384	-0,041306	0,97177485	---
17492103	3,213103	3,242089	3,205763	3,189692	3,115072	3,232274	3,2203183	3,179012667	-0,04130567	0,971775074	Gm10294
17210904	4,669631	4,484574	4,53415	4,76617	4,315349	4,482922	4,562785	4,521480333	-0,04130467	0,971775748	Oprk1
17329924	2,85494	2,725003	2,825418	2,79654	2,832548	2,65237	2,801787	2,760486	-0,041301	0,971778218	---
17221071	6,168384	6,410302	6,146165	6,165126	6,215532	6,220293	6,241617	6,200317	-0,0413	0,971778891	Sox17
17452030	6,158813	5,852401	6,234902	6,085271	5,932683	6,10427	6,0820387	6,040741333	-0,04129733	0,971780687	Ccdc42b
17300416	5,108914	4,967787	5,307449	5,06693	5,035812	5,157524	5,12805	5,086755333	-0,04129467	0,971782484	Dhrs2
17267155	9,546018	9,551499	9,379527	9,388228	9,459961	9,505007	9,492348	9,451065333	-0,04128267	0,971790567	Appbp2
17401261	4,008147	4,533821	4,430282	4,250599	4,278103	4,319701	4,3240833	4,282801	-0,04128233	0,971790791	Bcl2l15
17205065	5,939904	6,334963	6,511063	6,554607	6,404656	5,702823	6,2619767	6,220695333	-0,04128133	0,971791465	---
17209255	5,939904	6,334963	6,511063	6,554607	6,404656	5,702823	6,2619767	6,220695333	-0,04128133	0,971791465	---
17396106	7,266218	7,431176	6,922167	7,157461	7,13582	7,20244	7,2065203	7,165240333	-0,04128	0,971792363	Lrrcc1
17210435	4,129052	4,99126	3,99904	3,804067	4,0996	5,09187	4,3731173	4,331845667	-0,04127167	0,971797976	---
17416440	6,35099	6,393084	6,404811	6,160015	6,259763	6,605308	6,3829617	6,341695333	-0,04126633	0,971801569	Ldlrad1
17449647	11,67332	11,85161	11,8864	11,77296	11,82916	11,68544	11,803777	11,76252	-0,04125667	0,97180808	Rpl13 // Rpl13
17253297	6,181652	6,097215	6,581156	6,3009	6,28425	6,151115	6,2866743	6,245421667	-0,04125267	0,971810775	Abhd15
17257532	6,561248	6,841136	6,971843	6,613918	6,743718	6,892859	6,791409	6,750165	-0,041244	0,971816613	---
17536496	5,190978	4,943762	5,052826	5,048147	4,823255	5,192436	5,062522	5,021279333	-0,04124267	0,971817511	Tmem28
17276622	6,312302	6,276457	6,384089	6,348578	6,319492	6,181096	6,3242827	6,283055333	-0,04122733	0,97182784	Fntb
17399936	4,554344	4,406079	4,291017	4,575785	4,32177	4,230232	4,4171467	4,375929	-0,04121767	0,971834351	Crnn
17534646	6,930887	6,541336	6,856277	6,69196	7,082941	6,430013	6,7761667	6,734971333	-0,04119533	0,971849396	Arhgap36
17387634	5,658247	6,087765	5,946483	5,38476	6,250089	5,934077	5,8974983	5,856308667	-0,04118967	0,971853213	Olfr1039
17331196	3,593473	3,408474	3,71403	3,486436	3,815922	3,290072	3,5719923	3,53081	-0,04118233	0,971858153	Gm813
17510638	4,499406	4,9651	4,818499	4,932169	4,713109	4,514208	4,7610017	4,719828667	-0,041173	0,97186444	---
17274751	7,026762	6,705378	6,742467	6,333776	6,839809	7,177517	6,824869	6,783700667	-0,04116833	0,971867584	Sh3yl1
17447041	4,209113	3,691867	4,234291	4,171014	3,984887	3,855877	4,0450903	4,003926	-0,04116433	0,971870279	---
17306407	6,005112	6,115379	6,067469	6,175517	5,802049	6,086931	6,0626533	6,021499	-0,04115433	0,971877015	4931414P19Rik
17261575	6,448294	6,676368	6,649101	6,605965	6,41859	6,625831	6,5912543	6,550128667	-0,04112567	0,971896327	Ranbp17
17368322	4,568989	4,756797	4,840624	4,674015	4,558848	4,810178	4,7221367	4,681013667	-0,041123	0,971898123	0610009E02Rik
17545291	6,59273	6,452684	6,203154	6,485711	6,244508	6,394982	6,4161893	6,375067	-0,04112233	0,971898572	Tmem29
17521264	9,067709	9,044526	9,017701	9,07469	8,900663	9,031229	9,043312	9,002194	-0,041118	0,971901492	Vprbp
17353344	3,660877	3,200534	3,118689	3,550433	3,21161	3,094723	3,3267	3,285588667	-0,04111133	0,971905983	---
17334819	8,790548	8,733522	8,889117	8,772173	8,789007	8,728706	8,8043957	8,763295333	-0,04110033	0,971913393	0610011F06Rik
17287701	6,5473	6,636574	6,818328	6,520474	6,517943	6,840504	6,6674007	6,626307	-0,04109367	0,971917884	Prr7
17323371	10,52263	10,55557	10,43497	10,47924	10,38243	10,52822	10,50439	10,46329667	-0,04109333	0,971918109	Mapk1
17242707	6,253538	6,245125	6,364315	6,171147	6,220877	6,347704	6,2876593	6,246576	-0,04108333	0,971924846	BC005764
17294761	7,145067	7,246022	7,176752	7,105813	7,313948	7,024857	7,1892803	7,148206	-0,04107433	0,971930909	Xrcc4
17386161	8,556908	8,688929	8,533415	8,428211	8,488895	8,738924	8,593084	8,55201	-0,041074	0,971931134	Spc25
17324668	5,974602	6,868577	5,677307	6,088162	6,595272	5,713886	6,1734953	6,13244	-0,04105533	0,971943709	---
17527193	3,963739	3,990291	4,118558	4,018785	3,884346	4,046389	4,024196	3,983173333	-0,04102267	0,971965717	Cyp19a1
17484907	9,631083	9,69462	9,775224	9,700768	9,789679	9,487438	9,700309	9,659295	-0,041014	0,971971556	Snora52
17299247	12,75505	12,91435	12,87975	12,75645	12,77086	12,89891	12,849717	12,80874	-0,04097667	0,971996708	Ubb // Ubb
17548591	4,599362	4,876777	4,797532	5,021388	4,488058	4,641353	4,7578903	4,716933	-0,04095733	0,972009734	Gm20333
17312531	6,092431	6,005294	5,982618	6,035402	5,915805	6,006289	6,026781	5,985832	-0,040949	0,972015349	Kifc2
17210051	4,729987	4,345559	4,292563	4,242584	4,398977	4,603778	4,4560363	4,415113	-0,04092333	0,972032642	---
17210761	5,488553	5,200222	5,170633	5,123944	5,56578	5,046921	5,2864693	5,245548333	-0,040921	0,972034214	---
17444813	8,359213	8,420294	8,595303	8,380637	8,465077	8,406374	8,45827	8,417362667	-0,04090733	0,972043422	Mtif3 // Mtif3
17534980	3,195	3,305515	3,19765	3,185047	3,230413	3,160007	3,2327217	3,191822333	-0,04089933	0,97204882	---
17504321	7,673279	8,026811	8,060572	7,974274	7,747333	7,916394	7,9202207	7,879333667	-0,040887	0,972057122	Gins3
17485985	8,349878	8,230891	8,387582	8,168182	8,437318	8,240238	8,3227837	8,281912667	-0,040871	0,972067903	Fiz1
17292096	4,127341	4,359894	4,185859	4,270578	4,214438	4,065467	4,2243647	4,183494333	-0,04087033	0,972068352	---
17450572	3,376569	3,374811	3,315243	3,316813	3,399328	3,227899	3,355541	3,31468	-0,040861	0,97207464	Hfm1
17340609	9,142572	9,001146	9,055599	8,982089	9,02887	9,065776	9,066439	9,025578333	-0,04086067	0,972074865	Ezr
17466721	5,094238	4,377332	5,076067	4,961905	4,533888	4,929281	4,8492123	4,808358	-0,04085433	0,972079132	---
17524334	3,322603	3,681686	3,517401	3,399611	3,700034	3,299512	3,50723	3,466385667	-0,04084433	0,97208587	Olfr847
17550699	3,246811	2,994124	3,289613	3,153345	3,158853	3,095819	3,1768493	3,136005667	-0,04084367	0,97208632	---
17216167	3,102487	2,894053	2,935149	2,886465	3,037135	2,885649	2,9772297	2,936416333	-0,04081333	0,972106758	---
17200651	4,870141	5,81036	5,831871	5,411238	5,834153	5,144553	5,504124	5,463314667	-0,04080933	0,972109454	---
17205183	4,237888	4,437329	4,759272	4,420092	4,989139	3,902833	4,478163	4,437354667	-0,04080833	0,972110127	---
17209373	4,237888	4,437329	4,759272	4,420092	4,989139	3,902833	4,478163	4,437354667	-0,04080833	0,972110127	---
17303804	8,860588	8,935946	8,692408	8,684828	8,88416	8,797577	8,8296473	8,788855	-0,04079233	0,972120908	Anxa7
17266182	5,114369	4,704377	5,151546	4,977227	4,834308	5,036384	4,9900973	4,949306333	-0,040791	0,972121807	---
17453132	7,329618	8,408776	7,858774	7,840172	8,168211	7,466424	7,8657227	7,824935667	-0,040787	0,972124502	---
17417548	5,464269	5,263974	5,370983	5,335468	5,351632	5,289774	5,3664087	5,325624667	-0,040784	0,972126524	---
17200957	5,967018	5,970488	6,233929	5,66577	6,017135	6,366184	6,057145	6,016363	-0,040782	0,972127871	---
17427623	6,023061	6,008749	6,252586	6,388138	6,037054	5,736888	6,0947987	6,054026667	-0,040772	0,97213461	E130102H24Rik
17549068	6,347426	5,951588	6,150344	6,150344	6,119079	6,057635	6,149786	6,109019333	-0,04076667	0,972138203	---
17284037	12,2006	12,21953	12,23915	12,20375	12,26833	12,06493	12,21976	12,17900333	-0,04075667	0,972144942	Brp44l
17354297	2,95955	2,920277	2,815713	2,879235	2,941591	2,752444	2,8985133	2,857756667	-0,04075667	0,972144942	---
17460649	8,260098	8,361259	8,32508	8,191203	8,341383	8,291608	8,315479	8,274731333	-0,04074767	0,972151006	Ruvbl1
17425816	8,739116	8,639462	8,549193	8,60326	8,595331	8,606939	8,6425903	8,601843333	-0,040747	0,972151456	Susd1
17495373	6,22156	6,297109	6,527369	6,130011	6,341921	6,451894	6,3486793	6,307942	-0,04073733	0,972157969	Plekha7
17349872	3,736434	3,734221	4,025049	3,568448	3,863981	3,941074	3,8319013	3,791167667	-0,04073367	0,97216044	Pcdhb3

17260834	4,510143	4,560194	4,580497	4,297084	4,549237	4,682337	4,550278	4,509552667	-0,04072533	0,972166056	---	
17380268	7,670046	7,764676	7,673689	7,606828	7,753688	7,62573	7,7028037	7,662082	-0,04072167	0,972168526	Vapb	
17202053	4,456742	3,471956	3,71251	3,928732	3,668276	3,922066	3,8804027	3,839691333	-0,04071133	0,97217549	---	
17462057	6,270612	6,296871	6,724202	6,333841	6,649569	6,186156	6,4305617	6,389855333	-0,04070633	0,972178859	Gm8203	
17235701	7,385052	7,408856	7,49844	7,422188	7,353234	7,394821	7,4307827	7,390081	-0,04070167	0,972182004	Mfsd12	
17492385	6,206642	6,034279	6,189117	5,990106	6,037427	6,28044	6,143346	6,102657667	-0,04068833	0,972190989	Kif7	
17436823	5,233297	4,964674	5,005651	5,030428	5,03767	5,013476	5,067874	5,027191333	-0,04068267	0,972194807	Adra2c	
17282368	8,336994	8,465334	8,222882	8,194304	8,441485	8,267391	8,3417367	8,30106	-0,04067667	0,97219885	Med6	
17257612	7,165669	7,130976	7,220679	7,213127	7,030126	7,152161	7,1724413	7,131804667	-0,04063667	0,972225806	Ccdc45	
17252890	6,285836	6,054427	6,181563	6,21474	5,973832	6,211397	6,173942	6,133323	-0,040619	0,972237711	Smyd4	
17444583	6,488224	6,658241	6,504377	6,590562	6,55406	6,38437	6,5502807	6,509664	-0,04061667	0,972239284	---	
17235937	5,869293	5,882519	5,78187	5,848576	5,764195	5,799076	5,8445607	5,803949	-0,04061167	0,972242653	Eid3	
17478817	3,186049	3,293231	3,266971	3,073872	3,228347	3,322204	3,2487503	3,208141	-0,04060933	0,972244226	---	
17475006	7,400117	7,246652	7,418965	7,158173	7,493752	7,291988	7,3552447	7,314637667	-0,040607	0,972245798	Xrcc1	
17506147	4,78992	4,914454	5,136351	4,576568	5,202312	4,94005	4,9469083	4,90631	-0,04059833	0,972251639	Atp2c2	
17262471	5,779753	5,678619	5,757961	5,554554	5,852987	5,687008	5,7387777	5,698183	-0,04059467	0,97225411	BC049762	
17210321	6,013689	5,754448	6,061026	5,979471	6,130857	5,597064	5,9430543	5,902464	-0,04059033	0,97225703	---	
17347938	11,64551	11,50202	11,43181	11,41853	11,51284	11,52622	11,526447	11,48586333	-0,04058333	0,972261748	Calm2	
17405247	8,838248	8,779529	8,553945	8,5688	8,740942	8,740239	8,7239073	8,683327	-0,04058033	0,972263769	Exosc8	
17432974	3,491456	3,201689	3,066689	3,248671	3,270892	3,118538	3,253278	3,212700333	-0,04057767	0,972265567	Ubiad1	
17503031	8,445634	8,478085	8,572958	8,529062	8,285786	8,560096	8,4988923	8,458314667	-0,04057767	0,972265567	Prkaca	
17539636	3,664662	3,547825	3,450871	3,478292	3,463484	3,599874	3,5544527	3,513883333	-0,04056933	0,972271183	Gm1720	
17440293	7,823143	7,835868	7,929846	7,78783	7,781137	7,8982	7,8629523	7,822389	-0,04056333	0,972275226	Idua	
17255055	6,712363	6,586852	6,551062	6,539454	6,705988	6,483151	6,616759	6,576197667	-0,04056133	0,972276574	---	
17284568	3,460911	3,036793	3,451844	3,389394	2,986099	3,452486	3,316516	3,275993	-0,040523	0,972302408	LOC636067	
17391468	9,754089	9,923112	9,827377	9,869114	9,586881	9,92707	9,8348593	9,794355	-0,04050433	0,972314989	---	
17445833	4,340612	4,164536	4,355193	4,281014	4,268741	4,189085	4,2867803	4,24628	-0,04050033	0,972317685	Fbxl13	
17499087	6,843723	6,823071	6,805264	6,725136	6,598348	7,027075	6,8240193	6,783519667	-0,04049967	0,972318134	---	
17321199	4,800697	4,709354	5,007032	4,742314	4,988477	4,664806	4,8390277	4,798532333	-0,04049533	0,972321054	H1fnt	
17353673	7,005221	7,034286	6,658171	6,584344	7,103864	6,887989	6,899226	6,858732333	-0,04049367	0,972322178	Ube2d2a // Ube2d2a	
17454382	5,426149	5,451224	5,852056	5,316021	5,787829	5,504159	5,5764763	5,536003	-0,04047333	0,972335882	Adap1	
17306417	8,427914	8,664387	8,571631	8,565588	8,530465	8,44646	8,554644	8,514171	-0,040473	0,972336106	Psmb5	
17219688	4,456775	4,176106	4,130589	4,140017	4,246795	4,255247	4,25449	4,214019667	-0,04047033	0,972337904	Olfr424	
17455418	9,200779	9,126773	9,159431	9,254613	9,078629	9,032346	9,1623277	9,121862667	-0,040465	0,972341498	Ubl3	
17289525	3,785883	4,156922	4,106076	3,818012	4,07609	4,033387	4,0162937	3,975829667	-0,040464	0,97234217	---	
17235470	7,818834	7,712455	7,688286	7,629289	7,667255	7,80165	7,7398583	7,699398	-0,04046033	0,972344643	3110056O03Rik	
17433009	7,454005	7,481072	7,662357	7,563245	7,397943	7,514907	7,532478	7,492031667	-0,04044633	0,972354079	Pex14	
17395704	5,033404	5,387338	5,503294	5,020356	5,274018	5,508345	5,308012	5,267573	-0,040439	0,972359022	---	
17429564	3,91485	3,902996	4,122163	4,007936	3,858322	3,952474	3,980003	3,939577333	-0,04042567	0,972368008	Tmco2	
17366586	4,795935	4,662781	4,835345	4,748397	4,728348	4,696091	4,764687	4,724278667	-0,04040833	0,972379691	Gm10857	
17269118	5,828113	5,973051	6,067509	5,79562	6,016115	5,935731	5,9562243	5,915822	-0,04040233	0,972383735	Krt40	
17523244	11,85856	11,94729	11,95905	11,92382	11,86243	11,85747	11,921633	11,88124	-0,04039333	0,972389801	Rpl14	
17422521	4,756058	4,732703	4,948915	4,733819	4,93685	4,64583	4,8125587	4,772166333	-0,04039233	0,972390475	2010015L04Rik	
17490984	6,898635	6,944654	6,8097	6,845428	6,798913	6,887479	6,8843297	6,84394	-0,04038967	0,972392272	Grwd1	
17210947	3,759439	3,689863	3,641972	3,652224	3,646129	3,671802	3,6970913	3,656718333	-0,040373	0,972403506	Fam150a	
17321683	7,931554	8,149984	8,015795	8,031537	7,959701	7,985008	8,0324443	7,992082	-0,04036233	0,972410695	Slc11a2	
17548281	12,15512	12,1059	12,08887	11,99332	12,0684	12,16715	12,11663	12,07629	-0,04034	0,972425749	Hmgb1 // Hmgb1	
17346898	5,249418	5,193019	5,139903	5,33673	5,184546	4,94006	5,1941133	5,153778667	-0,04033467	0,972429344	Arhgap28	
17250225	7,10899	7,330173	7,273864	7,108238	7,247464	7,236327	7,2376757	7,197343	-0,04033267	0,972430692	Jmjd4	
17431530	8,881412	8,983798	8,807622	8,739994	8,928136	8,883745	8,890944	8,850625	-0,040319	0,972439904	Tceb3	
17424373	6,282578	6,16371	6,308631	6,285197	6,107733	6,241042	6,2516397	6,211324	-0,04031567	0,97244215	Ccl19	
17490909	5,176133	5,074899	5,224951	5,035763	5,143912	5,175372	5,158661	5,118349	-0,040312	0,972444622	A030001D20Rik	
17338597	3,128884	3,260326	3,074034	3,074705	3,157747	3,109861	3,1544147	3,114104333	-0,04031033	0,972445745	---	
17514337	12,1043	12,00227	11,62865	12,04146	11,79826	11,7746	11,91174	11,87144	-0,0403	0,972452711	---	
17489245	8,072694	8,349836	8,004129	8,053119	8,348332	7,904347	8,1422197	8,101932667	-0,040287	0,972461473	---	
17388821	7,489145	7,607677	7,508001	7,424145	7,499835	7,56004	7,534941	7,494673333	-0,04026767	0,972474505	Nat10	
17418268	5,839978	5,384544	5,26553	5,399426	5,621656	5,348208	5,496684	5,45643	-0,040254	0,972483717	Pou3f1	
17360950	10,31148	10,38445	10,20905	10,28112	10,24856	10,25454	10,30166	10,26140667	-0,04025333	0,972484167	Ppp6r3	
17420984	8,127582	8,189706	8,187474	8,098384	8,17451	8,111135	8,168254	8,128009667	-0,04024433	0,972490234	Fbxo42	
17289029	6,888817	6,944801	6,988628	6,732444	7,157042	6,812037	6,9407487	6,900507667	-0,040241	0,97249248	---	
17288454	5,276632	5,276654	5,63615	5,385719	5,397348	5,285662	5,3964787	5,356243	-0,04023567	0,972496076	Irx4	
17304860	11,27806	11,30211	11,27047	11,16638	11,30606	11,25752	11,283547	11,24332	-0,04022667	0,972502142	Timm23	
17221914	4,075272	4,079363	3,857076	4,011938	3,924001	3,955124	4,0039037	3,963687667	-0,040216	0,972509333	Gm20172	
17388293	7,297903	7,213454	7,29473	7,307575	7,212288	7,165583	7,2686957	7,228482	-0,04021367	0,972510906	Dgkz	
17436210	9,004704	8,909182	8,845131	8,884382	8,862659	8,891352	8,9196723	8,879464333	-0,040208	0,972514725	Bre	
17457381	5,535202	5,466742	5,3385	5,295209	5,46594	5,458679	5,4468147	5,406609333	-0,04020533	0,972516523	Ttc26	
17546158	3,50022	3,671139	3,754432	3,560965	3,590664	3,653549	3,6419303	3,601726	-0,04020433	0,972517197	---	
17415296	4,288576	4,355614	4,338646	4,281552	4,407388	4,173291	4,327612	4,287410333	-0,04020167	0,972518995	Gm13283	
17493400	4,559757	4,737608	4,580497	4,53128	4,51551	4,710494	4,625954	4,585761333	-0,04019267	0,972525062	Odz4 // Odz4	
17397360	6,152421	6,20239	6,008254	6,068444	6,150321	6,023756	6,1210217	6,080840333	-0,04018133	0,972532701	D3Ertd751e	
17525448	4,090138	4,237296	4,454283	4,199464	4,35763	4,104102	4,2605723	4,220398667	-0,04017367	0,97253787	D730048I06Rik	
17439865	5,990775	6,097547	6,105173	6,330974	5,879415	5,862601	6,0644983	6,02433	-0,04016833	0,972541465	D930016D06Rik	
17201579	5,300819	4,418993	4,814353	4,329915	4,972575	5,111189	4,8447217	4,804559667	-0,040162	0,972545734	---	
17268645	11,55925	11,86277	11,88875	11,80512	11,78075	11,60445	11,770257	11,73010667	-0,04015	0,972553824	Snora21	
17268646	11,55925	11,86277	11,88875	11,80512	11,78075	11,60445	11,770257	11,73010667	-0,04015	0,972553824	---	
17528800	4,67642	5,054164	4,796869	4,695741	4,853164	4,858108	4,8424843	4,802337667	-0,04014667	0,972556071	Unc13c	
17465040	4,905553	4,719698	4,780157	4,670808	4,820087	4,794078	4,8018027	4,761657667	-0,040145	0,972557194	---	
17206583	4,141279	3,544549	3,820234	3,898198	3,327745	4,159691	3,835354	3,795211333	-0,04014267	0,972558767	---	
17550647	2,922288	2,928046	2,960722	2,884597	2,947578	2,858464	2,9370187	2,896879667	-0,040139	0,972561239	---	
17459363	3,226696	3,074136	3,298944	3,449747	3,049969	2,979652	3,1999253	3,159789333	-0,040136	0,972563261	---	
17435674	8,981239	9,120451	8,882042	8,989693	9,021022	8,852616	8,9945773	8,954443667	-0,04013367	0,972564834	Ube3c	
17428885	6,274059	6,288445	6,333946	6,184319	6,261165	6,330569	6,2988167	6,258684333	-0,04013233	0,972565733	Dmap1	
17500349	4,526319	4,387489	4,573855	4,49825	4,444817	4,424222	4,4958877	4,455763	-0,04012467	0,972570902	Poteg	
17363162	4,780745	4,89731	4,768108	4,806498	4,676702	4,842609	4,8153877	4,775269667	-0,040118	0,972575396	Olfr1497	
17208639	6,009283	5,741567	5,650877	5,759208	5,740688	5,781519	5,8005757	5,760471667	-0,040104	0,972584834	---	
17311251	5,486295	5,282976	5,345896	5,434766	5,261153	5,298944	5,3717223	5,331621	-0,04010133	0,972586632	Dcstamp	
17351708	7,645899	7,805346	7,7057	7,660865	7,622026	7,753784	7,7189817	7,678891667	-0,04009	0,972594272	Cxxc1	
17420874	4,601059	4,547077	4,436687	4,378325	4,564636	4,521598	4,5282743	4,488186333	-0,040088	0,97259562	Padi2	
17341356	12,89949	13,08693	13,02591	12,96247	12,90635	13,02328	13,00411	12,96403333	-0,04007667	0,972603261	---	
17204907	3,562758	3,636363	3,797643	4,191953	3,07256	3,612046	3,665588	3,625519667	-0,04006833	0,972608879	---	
17436556	3,295305	3,250233	3,174297	3,130591	3,31273	3,156349	3,239945	3,19989	-0,040055	0,972617868	---	
17507462	6,864152	6,910076	6,993776	6,940066	6,90038	6,807395	6,922668	6,882613667	-0,04005433	0,972618317	Ankrd10	
17375298	7,369619	7,523368	7,288682	7,315733	7,370727	7,37508	7,3938897	7,353846667	-0,040043	0,972625958	2310003F16Rik	
17549644	4,834178	4,711023	4,859045	4,69347	4,849554	4,741123	4,8014153	4,761382333	-0,040033	0,972632699	---	
17402541	4,438603	4,587967	4,894306	4,625617	4,565028	4,610138	4,640292	4,600261	-0,040031	0,972634048	Pitx2	
17509879	6,450495	6,389828	6,4315	6,405124	6,541574	6,205052	6,423941	6,383916667	-0,04002433	0,972638542	Cilp2	
17276570	5,429036	5,342594	5,516589	5,03427	5,612043	5,521842	5,4294063	5,389385	-0,04002133	0,972640565	Ppp1r36	
17236179	4,55747	4,506417	4,453644	4,712355	4,330747	4,354379	4,5058437	4,465827	-0,04001667	0,972643711	---	
17231688	4,097126	4,184749	4,437612	4,256108	4,164095	4,179247	4,239829	4,199816667	-0,04001233	0,972646632	---	
17366425	4,047934	3,999187	4,117031	3,785913	4,103826	4,154389	4,0547173	4,014709333	-0,040008	0,972649554	---	
17373521	4,943341	4,843559	5,48716	5,11726	5,124193	4,912594	5,0913533	5,051349	-0,04000433	0,972652026	Chst1	
17484560	4,568	4,649123	4,914202	4,810814	4,484343	4,716187	4,7104417	4,670448	-0,03999367	0,972659217	Olfr535	
17296996	6,650168	6,390679	6,280583	6,489037	6,287648	6,424788	6,4404767	6,400491	-0,03998567	0,972664611	---	
17337741	8,427688	8,807175	8,691319	8,632726	8,57616	8,597362	8,6420607	8,602082667	-0,039978	0,97266978	Tnfrsf21	
17358482	7,748512	7,574423	7,673698	7,553006	7,588087	7,73562	7,6655443	7,625571	-0,03997333	0,972672926	Ppapdc2	
17363757	4,873703	4,783111	4,793971	4,680844	4,779953	4,870208	4,8169283	4,777001667	-0,03992667	0,972704389	443040J18Rik	
17467189	2,993517	2,888722	2,861027	2,827396	2,935065	2,861027	2,914422	2,874496	-0,039926	0,972704839	Vmn1r23	
17427769	8,529246	8,715774	8,762552	8,78195	8,437908	8,667965	8,6691907	8,629274333	-0,03991633	0,972711357	Pcsk9	
17516087	5,645962	5,377658	5,697268	5,440451	5,635363	5,525372	5,5736293	5,533728667	-0,03990067	0,97272192	Vsig2	
17300191	3,242179	3,438187	3,393883	3,458163	3,205534	3,290893	3,358083	3,318196667	-0,03988633	0,972731584	---	
17539534	3,721772	3,531027	3,339842	3,447258	3,193017	3,832707	3,5308803	3,490994	-0,03988633	0,972731584	---	
17257903	6,953131	7,02048	7,231633	6,925071	7,103277	7,057246	7,0684147	7,028531333	-0,03988333	0,972733606	---	
17531954	12,16317	12,24721	12,26407	12,15082	12,23135	12,17266	12,224817	12,18494333	-0,03987333	0,972740349	Rps27 // Rps27	
17454687	4,676778	4,940021	4,932446	4,858206	4,805235	4,766191	4,8497483	4,809877333	-0,039871	0,972741922	Papolb	
17408991	7,499265	7,698661	7,816385	7,670916	7,420827	7,803027	7,671437	7,63159	-0,039847	0,972758104	Rbm15	
17506884	6,370235	6,687228	6,696673	6,412591	6,839889	6,382176	6,584712	6,544885333	-0,03982667	0,972771815	4930567H12Rik	
17546215	4,126737	3,78097	4,095884	3,932533	4,131334	3,820301	4,001197	3,961389333	-0,03980767	0,972784626	Mid1 // Mid1	
17385422	4,392729	4,3771	4,227053	4,270984	4,467931	4,138653	4,332294	4,292522667	-0,03977133	0,972809125	Acvr1c	
17247937	4,140078	4,18044	4,012175	3,895226	3,957105	4,361055	4,1108977	4,071128667	-0,039769	0,972810698	Mir216b	
17327802	8,276085	8,352532	8,292498	8,221663	8,307758	8,272449	8,3070383	8,26729	-0,03974833	0,972824634	Nmral1	
17371374	9,203066	9,31728	9,130136	9,265758	9,18749	9,077994	9,2168273	9,177080667	-0,03974667	0,972825758	Lass6	
17334948	9,673027	9,639482	9,530731	9,522388	9,645537	9,556081	9,6144133	9,574668667	-0,03974467	0,972827107	Atp6v0e	
17427994	11,366	11,6027	11,58109	11,4132	11,57295	11,44441	11,516597	11,47685333	-0,03974333	0,972828006	Scp2	
17472089	5,053649	4,889534	5,241618	5,044814	5,165916	4,854891	5,0616003	5,021873667	-0,03972667	0,972839244	Grin2b	
17522602	4,546049	4,485	4,719806	4,411129	4,551394	4,669162	4,5836183	4,543895	-0,03972333	0,972841492	Trank1	
17314455	3,770879	3,829721	3,734294	3,66959	3,859648	3,686492	3,778298	3,738576667	-0,03972133	0,972842841	D630010B17Rik	
17208297	5,066278	5,722728	5,523249	5,220755	6,027864	4,944479	5,4374183	5,397699333	-0,039719	0,972844414	---	
17233792	4,539308	3,958361	4,459523	4,351604	4,360991	4,12551	4,319064	4,279368333	-0,03969567	0,972860148	---	
17447063	8,44348	8,359301	8,378098	8,185988	8,494431	8,381433	8,3936263	8,353950667	-0,03967567	0,972873635	C330019G07Rik	
17359262	3,226549	3,096879	2,97136	2,954607	3,109068	3,112136	3,0982627	3,058603667	-0,039659	0,972884874	Cyp2c66	
17491016	5,137652	4,850644	5,219877	5,035889	5,047456	5,005866	5,069391	5,029737	-0,039654	0,972888246	Syngr4	
17370876	4,049207	4,017461	4,220549	4,142991	4,013736	4,01154	4,095739	4,056089	-0,03965	0,972890944	---	
17549984	3,01794	3,218643	2,976873	2,992563	3,106164	2,995883	3,071152	3,031536667	-0,03961533	0,972914322	---	
17475715	5,771845	5,920705	5,84622	5,8108	5,704	5,905157	5,8462567	5,806652333	-0,03960433	0,97292174	Zfp59	

17446881	6,275133	6,441716	6,403643	6,200937	6,30206	6,49871	6,3734973	6,333902333	-0,039595	0,972928034	Eif2b4	
17479497	7,392138	7,286988	7,1779	7,25219	7,225148	7,260956	7,2856753	7,246098	-0,03957733	0,972939948	Sema4b	
17212819	3,18402	3,124512	3,027329	3,058056	3,10437	3,054767	3,1119537	3,072397667	-0,039556	0,972954335	---	
17330614	7,585791	7,864661	7,766267	7,655724	7,697169	7,745211	7,7389063	7,699368	-0,03953833	0,97296625	Slc35a5	
17286962	8,677873	8,353053	8,358396	8,36552	8,360761	8,544441	8,4631073	8,423574	-0,03953333	0,972969622	Mylip	
17494752	4,160584	4,288835	4,562881	4,2096	4,293398	4,390728	4,3374333	4,297908667	-0,03952467	0,972975467	Ovch2	
17514410	5,189941	4,944858	4,779389	4,993126	5,059143	4,743367	4,971396	4,931878667	-0,03951733	0,972980412	Kbtbd3	
17462149	10,26163	10,1565	10,13157	10,20882	10,09683	10,12551	10,183233	10,14372	-0,03951333	0,97298311	Cxcl12	
17447831	6,863192	6,333479	5,637897	6,519872	6,09386	6,102343	6,2781893	6,238691667	-0,03949767	0,972993676	Fgfbp1	
17204045	4,991302	5,18281	5,397444	5,664543	4,758306	5,030231	5,1905187	5,151026667	-0,039492	0,972997498	---	
17537918	4,752021	4,902478	4,845232	4,807266	4,766018	4,808007	4,8332437	4,793763667	-0,03948	0,973005591	Tceal3	
17539413	5,061835	4,510003	5,289371	4,961842	5,121837	4,659115	4,9537363	4,914264667	-0,03947167	0,973011211	---	
17426917	3,425354	2,990169	3,249495	2,979361	3,195246	3,372006	3,2216727	3,182204333	-0,03946833	0,973013459	---	
17489587	9,412832	9,451572	9,316461	9,331619	9,435614	9,295251	9,3936217	9,354161333	-0,03946033	0,973018855	Uba2	
17545885	9,515175	9,619078	9,33238	9,455188	9,501923	9,39115	9,4888777	9,449420333	-0,03945733	0,973020878	Syap1	
17413649	8,713774	8,870317	8,593983	8,482221	8,940145	8,637358	8,7260247	8,686574667	-0,03945	0,973025824	Dcaf10	
17406925	4,983718	5,276881	5,281544	4,825328	5,332698	5,26579	5,1807143	5,141272	-0,03944233	0,973030995	Hcn3	
17355483	5,241583	5,061684	4,936107	5,243939	4,95988	4,917264	5,0797913	5,040361	-0,03943033	0,973039089	Katnal2	
17462647	10,50479	10,56086	10,40528	10,53745	10,4429	10,37236	10,49031	10,45090333	-0,03940667	0,973055051	M6pr	
17370302	5,540467	5,5498	5,62353	5,642433	5,635577	5,317631	5,5712657	5,531880333	-0,03938533	0,97306944	Gm13431	
17520822	5,416965	5,385987	5,34006	5,451121	5,249717	5,324046	5,381004	5,341628	-0,039376	0,973075735	9630041A04Rik	
17234898	5,710426	5,619716	5,708547	5,615263	5,590556	5,714744	5,679563	5,640187667	-0,03937533	0,973076185	Madcam1	
17294514	7,122853	7,193277	7,251347	7,015311	7,186404	7,247638	7,189159	7,149784333	-0,03937467	0,973076634	---	
17486192	3,17017	2,897782	2,790368	2,905667	2,819848	3,014714	2,9527733	2,913409667	-0,03936367	0,973084054	Vmn2r30	
17404963	3,112063	3,320245	3,095194	2,958199	3,309778	3,141439	3,175834	3,136472	-0,03936	0,973085178	---	
17535736	4,260917	4,005106	4,029499	4,089335	4,017203	4,070899	4,0985073	4,059145667	-0,03936167	0,973085403	Tktl1	
17426365	6,669536	6,962676	6,405128	6,434076	6,845951	6,639331	6,6791467	6,639786	-0,03936067	0,973086077	Tnc	
17489699	5,748788	5,677781	5,696986	5,884689	5,593451	5,527422	5,7078517	5,668520667	-0,039331	0,973106087	Chst8	
17306472	6,943498	7,22525	7,251157	7,071689	7,222857	7,007377	7,1399683	7,100641	-0,03932733	0,97310856	Cebpe	
17344192	7,063368	6,498786	6,64239	6,535851	6,877574	6,673138	6,734848	6,695521	-0,039327	0,973108785	G6b	
17340817	5,390342	5,268116	5,459814	5,05059	5,300356	5,649359	5,3727573	5,333435	-0,03932233	0,973111933	Slc22a3	
17401246	8,401683	8,590834	8,463639	8,447861	8,463327	8,427058	8,4853853	8,446082	-0,03930333	0,973124749	Ap4b1	
17434742	6,717988	6,903159	6,857454	6,62199	6,975563	6,763138	6,8262003	6,786897	-0,03930333	0,973124749	Sema3d	
17243881	4,820956	5,24864	4,863272	4,845828	4,900146	5,069016	4,9776227	4,93833	-0,03929267	0,97313944	---	
17443917	4,204563	4,461295	4,610043	4,271682	4,392014	4,494414	4,4253003	4,386036667	-0,03926367	0,973151505	Gm5294	
17277304	4,85579	4,708215	5,152551	4,789424	4,982865	4,826501	4,9055187	4,866263333	-0,03925533	0,973157126	1110018G07Rik // 1110018G07Rik	
17550472	6,645028	5,642026	5,677307	6,150321	5,384968	6,31134	5,9881203	5,948876333	-0,039244	0,973164771	---	
17424968	4,543622	4,229027	4,33275	4,235048	4,441957	4,310691	4,3684663	4,329232	-0,03923433	0,973171292	Gm12409	
17540490	6,441513	6,502725	6,235691	6,329205	6,560029	6,173002	6,3933097	6,354078667	-0,039231	0,97317354	Ndufb11	
17324475	4,674551	4,402581	4,148919	3,989295	4,854856	4,264241	4,4086837	4,369464	-0,03921967	0,973181185	A230028O05Rik	
17547682	8,610063	8,740015	8,500835	8,476536	8,626798	8,629939	8,616971	8,577757667	-0,03921333	0,973185457	Dnajc8	
17412638	4,080054	4,040674	3,905288	3,899562	3,752686	4,25613	4,008672	3,969459333	-0,03921267	0,973185907	---	
17408273	7,568888	7,727166	7,77991	7,400118	7,766417	7,791824	7,691988	7,652786333	-0,03920167	0,973193327	Phgdh	
17550651	3,069605	3,069398	3,136726	3,035753	3,095072	3,027299	3,0919097	3,052708	-0,03920167	0,973193327	---	
17449731	8,443042	8,640035	8,402431	8,538942	8,499932	8,329064	8,4951693	8,455979333	-0,03919	0,973201197	Nup54	
17518320	7,564213	7,755835	7,342965	7,278761	7,647866	7,618877	7,5543377	7,515168	-0,03916967	0,973214913	Snapc5	
17284366	6,725947	5,267834	6,095115	6,190791	5,864055	5,916575	6,029632	5,990473667	-0,03915833	0,973222559	---	
17271534	3,341838	3,367025	3,605701	3,475371	3,232313	3,489466	3,438188	3,39905	-0,039138	0,973236275	---	
17548979	10,14242	9,882415	9,731728	9,711953	9,927957	9,99924	9,9188543	9,879716667	-0,03913767	0,9732365	Bex4 // Bex4	
17347457	10,1646	10,05261	10,01376	10,01595	10,03711	10,06053	10,07699	10,03786333	-0,03912667	0,973243921	Atl2	
17440812	6,239514	6,173804	6,280758	6,249088	6,140368	6,187247	6,2313587	6,192234333	-0,03912433	0,973245495	Ung	
17547501	6,269969	6,328052	6,537927	6,399648	6,325816	6,293141	6,3786493	6,339535	-0,03911433	0,973252241	Gm19337	
17541668	7,731496	7,859331	7,827276	7,67673	7,899425	7,724628	7,8060343	7,766927667	-0,03910667	0,973257413	Gpc4	
17386344	4,102207	4,117441	4,267141	4,168428	3,99815	4,202896	4,162263	4,123158	-0,039105	0,973258537	---	
17455691	3,565274	3,535062	3,384952	3,534299	3,339634	3,494044	3,495096	3,455992333	-0,03910367	0,973259437	C87414	
17367071	7,689047	7,654094	7,570887	7,668833	7,550838	7,577075	7,6380093	7,598915333	-0,039094	0,973265958	Stam	
17548023	10,43154	10,56462	10,28778	10,33509	10,35373	10,47786	10,42798	10,38889333	-0,03908667	0,973270905	Tpm4 // Tpm4	
17465906	7,681977	7,77822	7,54537	7,600553	7,608724	7,679036	7,6685223	7,629437667	-0,03908467	0,973272255	Creb3l2	
17513982	6,391524	6,399801	6,260323	6,429142	6,24314	6,262215	6,3505493	6,311499	-0,03905033	0,973295417	4732419C18Rik	
17541561	4,14897	3,444283	3,582285	3,648354	3,596855	3,813199	3,7251793	3,686136	-0,03904333	0,973300139	Olfr1323	
17331869	3,286146	3,315122	3,157785	3,243556	3,112676	3,285694	3,2530177	3,213975333	-0,03904233	0,973300814	Krtap16-5	
17348899	5,183823	4,928375	5,440447	5,128561	5,229346	5,077613	5,184215	5,145173333	-0,03904167	0,973301264	Gm19389	
17256113	7,87709	8,017628	7,973722	7,939853	7,906217	7,905261	7,9561467	7,917110333	-0,03903633	0,973304862	Psmd3	
17269171	3,571653	3,462119	3,689231	3,632398	3,398554	3,574981	3,5743343	3,535311	-0,03902333	0,973313632	Krtap4-7	
17520353	4,727376	5,041331	4,646383	4,874207	4,62526	4,798559	4,80503	4,766008667	-0,03902133	0,973314982	Plscr4	
17394707	6,649398	6,97753	6,744865	6,714495	6,606471	6,9338	6,7905977	6,751588667	-0,039009	0,973323302	Spata2	
17523192	4,932187	4,861001	4,960135	4,98164	4,883155	4,771539	4,9177743	4,878778	-0,03899633	0,973331848	Mobp	
17514948	3,447102	3,082574	3,092013	3,247205	3,192701	3,06485	3,2072297	3,168252	-0,03897767	0,973344442	Olfr58	
17467191	3,540064	3,47042	3,680612	3,651568	3,441204	3,481425	3,5636987	3,524732333	-0,03896633	0,973352088	Vmn1r24	
17270082	7,98587	7,905322	8,083129	7,961633	7,990029	7,905766	7,9914403	7,952476	-0,03896433	0,973353437	Hdac5	
17533015	8,709369	8,72806	8,673405	8,639694	8,600027	8,754284	8,7036113	8,664668333	-0,038943	0,973367831	Otud5	
17464256	4,919629	4,834827	4,964974	4,919261	4,925299	4,758062	4,9064767	4,867540667	-0,038936	0,973372553	1700073E17Rik	
17521218	6,778481	6,714056	6,525663	6,696673	6,365304	6,839429	6,6727333	6,633802	-0,03893133	0,973375702	Pcbp4	
17263031	10,24061	10,44321	10,38584	10,30929	10,34725	10,29633	10,356553	10,31762333	-0,03893	0,973376602	Snord1c	
17217830	5,519378	5,131408	5,249855	5,467321	5,2011	5,115474	5,3002137	5,261298333	-0,03891533	0,973386497	Gm16880	
17424850	7,754403	7,848947	7,8661	7,700849	7,76491	7,886951	7,82315	7,784236667	-0,03891333	0,973387846	Rnf38	
17206421	5,435661	5,051208	5,276218	5,80795	4,165556	5,672859	5,2543623	5,215455	-0,03890733	0,973391895	---	
17475135	6,933222	7,274978	7,410939	7,21071	7,20599	7,085718	7,2063797	7,167472667	-0,038907	0,97339212	Arhgef1	
17206907	6,20472	6,346009	6,581236	6,611767	6,799614	5,60388	6,3773217	6,338420333	-0,03890133	0,973395943	---	
17527787	10,02393	10,12515	9,981265	9,982438	9,996643	10,03456	10,043448	10,004547	-0,03890133	0,973395943	Arih1	
17219476	10,5327	10,86788	10,90791	10,64335	10,88635	10,66209	10,769497	10,73059667	-0,0389	0,973396843	---	
17209939	6,296781	6,687546	6,060201	6,450966	6,580384	5,896489	6,348176	6,309279667	-0,03889633	0,973399316	---	
17394737	5,030607	4,372324	4,684375	4,832737	4,239386	4,898509	4,6957687	4,656877333	-0,03889133	0,97340269	1200007C13Rik	
17251485	8,47546	8,487097	8,507798	8,439174	8,478533	8,43598	8,4901183	8,451229	-0,03888933	0,973404039	Aurkb	
17280928	3,476653	3,195238	3,262297	3,25885	3,21373	3,344973	3,311396	3,272517667	-0,03887833	0,973411461	1810007C17Rik	
17548285	4,832831	4,648812	4,528807	4,828598	4,477914	4,587316	4,67015	4,631276	-0,038874	0,973414385	Gm10667	
17287148	5,205157	5,342769	5,161438	5,264124	5,285459	5,043172	5,2364547	5,197585	-0,03886967	0,973417309	Ecm2	
17324714	6,189016	5,719435	6,213194	6,103543	5,950405	5,95109	6,0405483	6,001679333	-0,038869	0,973417759	Pigz	
17376616	4,028955	3,946536	3,83628	3,591998	4,495925	3,607273	3,937257	3,898398667	-0,03885833	0,973424956	---	
17449445	2,921499	2,866325	2,877123	2,841421	2,858327	2,848642	2,8883157	2,849463333	-0,03885233	0,973429004	---	
17315385	9,007681	9,138985	8,930722	8,86636	9,092876	9,001602	9,025796	8,986946	-0,03885	0,973430578	Pfdn5	
17444749	5,631129	5,573031	5,392426	5,367165	5,56129	5,551617	5,5321953	5,493357333	-0,038838	0,973438675	Gm3404	
17490567	6,258315	6,324937	6,347035	6,37694	6,422322	6,014523	6,3100957	6,271261667	-0,038834	0,973441374	Prrg2	
17550777	3,726122	3,672017	3,937898	3,678163	3,75703	3,784356	3,778679	3,739849667	-0,03882933	0,973444523	---	
17379328	10,09102	10,08478	10,05323	10,02885	10,05268	10,03102	10,076343	10,03751667	-0,03882667	0,973446322	Ywhab	
17301123	3,440807	3,34192	3,543463	3,501388	3,299893	3,408475	3,4420633	3,403252	-0,03881133	0,973456668	Kcnrg	
17494179	4,243422	3,87672	3,816662	3,841761	4,056624	3,922009	3,9789347	3,940131333	-0,03880333	0,973462066	Olfr610	
17457717	3,957056	3,933199	4,029543	4,028625	3,939631	3,835133	3,973266	3,934463	-0,038803	0,973462291	---	
17435575	6,60945	6,647493	6,256592	6,2886	6,380366	6,728224	6,5045117	6,46573	-0,03878167	0,973476686	---	
17464197	5,12396	4,905953	5,376143	4,771113	5,284389	5,234216	5,135352	5,096572667	-0,03877933	0,973478261	---	
17281063	8,49618	8,552395	8,393991	8,521133	8,387963	8,417152	8,4808553	8,442082667	-0,03877267	0,973482759	6530401N04Rik	
17543286	6,725947	6,214759	6,280876	6,274127	6,386966	6,4442	6,407194	6,368431	-0,038763	0,973489282	Spin4	
17420091	9,326842	9,39887	9,293942	9,326491	9,297386	9,27951	9,3398847	9,301129	-0,03875567	0,97349423	Hnrnpr	
17352580	9,718536	9,65933	9,741594	9,652828	9,686247	9,66412	9,7064867	9,667731667	-0,038755	0,97349468	Ccny	
17249362	11,16629	11,1091	11,09056	11,13208	11,06722	11,05039	11,121983	11,08323	-0,03875333	0,973495805	Sar1b	
17312669	3,323747	3,105602	3,208668	3,089974	3,388321	3,043585	3,2126723	3,17396	-0,03871233	0,973523471	Apol11a	
17250871	5,448578	5,571149	5,517316	5,41865	5,496903	5,505386	5,5123477	5,473646333	-0,03870133	0,973530894	F930015N05Rik // F930015N05Rik	
17401558	4,254506	3,806386	4,537507	4,191693	3,837788	4,452814	4,1994663	4,160765	-0,03870133	0,973530894	---	
17270431	5,820348	5,729751	5,838442	5,775875	5,708185	5,79038	5,7961803	5,75748	-0,03870033	0,973531568	---	
17550653	3,246599	3,2081	3,310277	3,159253	3,311214	3,178425	3,254992	3,216297333	-0,03869467	0,973535392	---	
17505009	5,417614	5,439165	5,61652	5,545267	5,430339	5,381646	5,4910997	5,452417333	-0,03868233	0,973543715	Slc12a4 // Slc12a4	
17363445	4,921581	4,769892	4,91539	4,93344	4,786797	4,770636	4,8689543	4,830291	-0,03866333	0,973556536	Tmc1	
17409113	6,397148	6,226807	6,256189	6,179865	6,256189	6,328103	6,2933813	6,254719	-0,03866233	0,973557211	Gstm6	
17521448	6,188572	6,671245	6,284601	6,260253	6,290396	6,477807	6,3814727	6,342818667	-0,038654	0,973562835	Hyal3	
17209633	3,178968	2,785915	3,073094	3,063677	2,906474	2,95187	3,012659	2,974007	-0,038652	0,973564184	---	
17397344	7,757666	7,719823	7,642199	7,70252	7,443555	7,857712	7,7065627	7,667929	-0,03863367	0,973576556	Phf17	
17483398	7,894077	8,152267	7,957158	7,954604	7,932837	8,000229	8,0011673	7,962556667	-0,03861067	0,973592077	Rnf40	
17538297	7,43914	7,514364	7,458441	7,477351	7,47748	7,341288	7,4706483	7,432039667	-0,03860867	0,973593427	Tmem164	
17264087	4,102473	3,790522	3,710921	3,838646	4,060332	3,589137	3,867972	3,829371667	-0,03860033	0,973599051	---	
17474672	4,283641	4,397956	4,467646	4,47979	4,269195	4,284468	4,383081	4,344484333	-0,03859667	0,973601525	---	
17496763	4,852561	4,909622	5,169472	5,062024	4,908407	4,845441	4,9772183	4,938624	-0,03859433	0,9736031	Stx1b	
17378678	10,37338	10,30469	10,30623	10,17335	10,44349	10,2517	10,3281	10,28951333	-0,03858667	0,973608274	1110008F13Rik	
17447089	9,652723	9,798203	9,7657	9,623425	9,817945	9,659534	9,7388753	9,700301333	-0,038574	0,973616822	Ctbp1	
17201667	5,399556	5,074588	5,231876	4,973245	5,45155	5,165559	5,23534	5,196784667	-0,03855533	0,973629419	---	
17326859	8,456399	8,584913	8,403434	8,291449	8,556881	8,48077	8,481582	8,443033333	-0,03854867	0,973633919	Usp16	
17203887	6,032225	5,892059	5,793509	5,869435	5,856932	5,875785	5,905931	5,867384	-0,038547	0,973635043	---	
17436656	3,982863	3,762123	4,522404	4,045604	4,214796	3,891378	4,08913	4,050592667	-0,03853733	0,973641567	---	
17202823	7,660582	8,100932	7,994864	8,268212	7,470334	7,90227	7,9187927	7,880272	-0,03852067	0,973652815	---	
17201549	4,108764	4,036742	3,87104	4,019984	3,904675	3,976355	4,0055153	3,967004667	-0,03851067	0,973659564	---	
17357532	10,48031	10,73564	10,4744	10,41162	10,86382	10,29942	10,56345	10,52495333	-0,03849667	0,973669013	---	
17277609	8,95929	9,090069	9,091797	8,929893	9,074893	9,020901	9,047052	9,008562333	-0,03848967	0,973673737	Ahsa1	
17408580	3,860634	3,670922	3,697301	3,770199	3,617499	3,725701	3,7429523	3,704466333	-0,038486	0,973676211	2410057H14Rik	
17254962	7,870128	7,892663	7,816637	7,73306	7,908289	7,822644	7,8598093	7,821331	-0,03847833	0,973681386	Mrps23	
17548823	4,629411	4,612	4,872268	4,587685	4,70156	4,709009	4,7045597	4,666084667	-0,038475	0,973683635	1700029P11Rik // 1700029P11Rik	

17253645	5,195693	5,105793	5,100861	4,981684	5,242666	5,062578	5,1341157	5,095642667	-0,038473	0,973684985	---
17550502	4,107681	3,966657	4,051959	4,062401	3,966513	3,982036	4,042099	4,00365	-0,038449	0,973701183	---
17488595	9,99572	10,09419	10,03782	10,04157	10,02507	9,945799	10,042577	10,00414633	-0,03843033	0,973713782	Eif3k
17252403	10,84362	10,75187	10,59753	10,71305	10,7068	10,65788	10,731007	10,69257667	-0,03843	0,973714007	---
17265910	5,065056	4,939458	5,007691	4,794847	4,954711	5,147368	5,0040683	4,965642	-0,03842633	0,973716481	---
17521568	4,668647	4,639349	4,749266	4,635945	4,753172	4,552869	4,685754	4,647328667	-0,03842533	0,973717156	---
17530231	5,171352	4,763526	5,092675	4,970205	4,980545	4,961541	5,0091843	4,970763667	-0,03842067	0,973720306	Rab6b // Rab6b
17341660	5,279568	4,821517	4,913248	4,988625	4,929464	4,981037	5,0047777	4,966375333	-0,03840233	0,97373268	Prss30
17494307	5,574524	5,451709	5,672951	5,653581	5,299053	5,631426	5,5663947	5,52802	-0,03837467	0,973751353	E030002O03Rik
17363062	3,821048	3,897063	3,817704	3,835605	3,649504	3,935601	3,8452717	3,806903333	-0,03836833	0,973755628	Olfr1426
17424407	5,606766	5,371228	7,373537	7,360445	5,442426	5,433558	6,117177	6,078809667	-0,03836733	0,973756303	4933409K07Rik // 4933409K07Rik
17447672	10,21981	10,27659	10,14709	10,00519	10,31105	10,21216	10,214497	10,17613333	-0,03836333	0,973759003	Wdr1
17363168	3,973016	4,072358	3,771019	4,065835	3,712264	3,923225	3,9387977	3,900441333	-0,03835633	0,973763728	Olfr1500
17296164	3,970847	3,892066	4,061563	3,942785	3,996406	3,870227	3,9748253	3,936472667	-0,03835267	0,973766202	---
17272971	7,042028	6,929189	7,213653	7,202244	7,046559	6,821023	7,0616233	7,023275333	-0,038348	0,973769352	Azi1
17412404	7,877854	7,910605	7,941649	7,894901	7,927613	7,792553	7,910036	7,871689	-0,038347	0,973770027	Casp8ap2
17250812	8,536465	8,553791	8,611748	8,386586	8,704949	8,495431	8,5673347	8,528988667	-0,038346	0,973770702	Fam18b
17480290	3,95039	3,861962	3,90721	3,792172	3,916211	3,896141	3,9065207	3,868174667	-0,038346	0,973770702	Mir708
17299329	6,886374	6,929089	7,128726	6,936814	7,029952	6,862391	6,9813963	6,943052333	-0,038344	0,973772052	Lgals3
17341240	11,71932	11,73204	11,87251	11,75146	11,69219	11,76521	11,774623	11,73628667	-0,03833667	0,973777002	Oaz1-ps
17219591	5,782806	5,654226	5,899815	5,675703	5,892473	5,653678	5,778949	5,740618	-0,038331	0,973780827	Ccdc19
17550480	5,011351	4,965135	4,918207	5,176661	4,630503	4,972569	4,9648977	4,926577667	-0,03832	0,973788251	---
17285404	3,388744	3,123684	3,628056	3,204899	3,289688	3,530948	3,3801613	3,341845	-0,03831633	0,973790726	---
17468501	7,032167	6,815125	7,038506	6,876361	6,995713	6,898792	6,9619327	6,923622	-0,03831067	0,973794551	2310040G24Rik
17508508	4,601901	4,250637	4,928044	4,744474	4,501998	4,419239	4,5935273	4,555237	-0,03829033	0,973808276	2310008N11Rik // 2310008N11Rik
17212135	5,55214	5,353816	5,596085	5,591269	5,276218	5,519699	5,5006803	5,462395333	-0,038285	0,973811876	---
17395304	9,220867	9,14027	9,048717	9,203529	8,900202	9,191272	9,136618	9,098334333	-0,03828367	0,973812776	Gm14326
17512778	3,115922	3,269365	3,194349	2,84885	3,145909	3,470104	3,193212	3,154954333	-0,03825767	0,973830326	---
17314260	7,666319	7,842943	7,605238	7,81975	7,676193	7,503796	7,7048333	7,666579667	-0,03825367	0,973833026	Lrrk2
17476698	4,866462	4,945374	4,619251	4,708366	4,649271	4,958724	4,8103623	4,772120333	-0,038242	0,973840901	---
17415467	3,920822	3,735996	3,56348	3,79324	3,707476	3,60492	3,7400993	3,701878667	-0,03822067	0,973855302	Mir872 // Mir872
17207705	4,885684	5,127247	4,828399	5,589719	4,198628	4,938344	4,94711	4,908897	-0,038213	0,973860477	---
17545450	5,112047	5,148985	5,248216	5,164009	5,033665	5,196959	5,1697493	5,131544333	-0,038205	0,973865877	Gpr173
17204487	3,3283	3,8861	3,729195	3,573172	3,438332	3,817544	3,647865	3,609682667	-0,03818233	0,973881178	---
17229767	6,937704	7,034896	6,653091	6,720193	6,86026	6,930722	6,8752303	6,837058333	-0,038172	0,973888153	Ly9
17200169	3,968088	2,999613	3,876246	3,518518	3,769445	3,441488	3,614649	3,576483667	-0,03816533	0,973892654	---
17522110	6,67213	6,469004	6,760436	6,866963	6,605906	6,314383	6,6338567	6,595750667	-0,038106	0,973932708	Pfkfb4
17526805	12,44199	12,6339	12,52747	12,53918	12,4833	12,46657	12,534453	12,49635	-0,03810333	0,973934508	Rpl10
17286421	3,579519	3,347433	3,487658	3,521367	3,18848	3,590461	3,4715367	3,433436	-0,03810067	0,973936308	---
17479949	3,479459	3,160787	3,538517	3,389142	3,336081	3,339241	3,392921	3,354821333	-0,03809967	0,973936983	Olfr292
17211560	3,620896	3,383002	3,601434	3,468214	3,420792	3,602032	3,5351107	3,497012667	-0,038098	0,973938108	---
17357544	9,83845	9,816751	9,685663	9,86112	9,449538	9,915913	9,780288	9,742190333	-0,03809767	0,973938333	---
17353271	5,542767	5,315886	5,566969	5,39122	5,468656	5,45146	5,4752073	5,437112	-0,03809533	0,973939908	Myo7b
17521327	4,671561	4,717384	4,850669	4,736207	4,717484	4,671663	4,746538	4,708451333	-0,03808667	0,973945759	Cacna2d2
17528552	6,111178	6,190574	5,906941	5,930134	6,14483	6,019471	6,0695643	6,031478333	-0,038086	0,973946209	---
17362741	4,891884	4,614214	4,838559	4,816432	4,63211	4,781865	4,7815523	4,743469	-0,03808333	0,973948009	Pga5
17346074	4,526631	4,628965	4,631757	4,326545	4,603919	4,742649	4,5957843	4,557704333	-0,03808	0,97395026	Ebi3
17443148	7,738239	8,260868	7,548118	7,767133	7,757528	7,908353	7,849075	7,811004667	-0,03807033	0,973956786	Cldn3
17340720	11,89428	11,89428	11,76691	11,822	11,80437	11,81492	11,851823	11,81376333	-0,03806	0,973963762	Rnaset2a
17535792	9,788952	9,929441	9,798626	9,826059	9,805162	9,771622	9,8390063	9,800947667	-0,03805867	0,973964662	Atp6ap1
17535098	11,37707	11,40951	11,23786	11,35208	11,20811	11,35014	11,34148	11,30344333	-0,03803667	0,973979514	F9
17349792	9,785579	9,833889	9,760355	9,763309	9,793633	9,708796	9,7932743	9,755246	-0,03802833	0,97398514	Zmat2
17342507	9,63954	9,360888	9,370888	9,451166	9,303409	9,502665	9,4571053	9,41908	-0,03802533	0,973987165	Gm10012 // Gm10012 // Gm10012 // Gı
17254194	9,790186	9,672092	9,573837	9,573355	9,707812	9,640883	9,678705	9,640683333	-0,03802167	0,973989641	AI662270 // AI662270
17345152	8,315174	8,268141	8,248626	8,167527	8,18937	8,361044	8,2773137	8,239313667	-0,038	0,974004269	Cdc5l
17208213	6,747297	6,23079	6,678913	6,528837	6,605895	6,408282	6,5523333	6,514338	-0,03799533	0,97400719	---
17469116	4,997062	5,010987	4,93647	5,131823	4,86544	4,833284	4,9815063	4,943515667	-0,03799067	0,97401057	Trh
17287977	4,89604	4,899034	4,910764	4,978663	4,73825	4,874998	4,901946	4,863970333	-0,03797567	0,974020697	Gm5084
17200767	3,879865	3,788273	3,918404	4,190156	3,629478	3,653025	3,8621807	3,824219667	-0,037961	0,974030599	---
17393549	5,15863	4,794181	5,072752	4,807257	5,189862	4,914565	5,008521	4,970561333	-0,03795967	0,974031499	Gm14169
17493607	4,70581	4,151443	4,61602	4,532849	4,467085	4,35947	4,491091	4,453134667	-0,03795633	0,97403375	Gm15506
17333826	2,833852	2,91415	2,816925	2,810149	2,886408	2,754548	2,8549757	2,817035	-0,03794067	0,974044327	Vmn2r103
17230484	8,558613	8,855156	8,260065	8,457048	8,456448	8,646536	8,5579447	8,520010667	-0,037934	0,974048828	Ephx1
17347888	7,91044	7,968966	8,107409	7,917252	7,831025	8,124739	7,995605	7,957672	-0,037933	0,974049503	Rhoq // Rhoq
17484112	8,127532	8,249178	7,990858	8,159121	8,102372	7,992282	8,1225227	8,084591667	-0,037931	0,974050854	2700050L05Rik
17427128	4,255042	4,389969	4,406846	4,215	4,41607	4,307029	4,350619	4,312699667	-0,03791933	0,97405873	Ifne
17324513	5,289119	4,832	5,141672	5,143726	5,053918	4,951409	5,087597	5,049684333	-0,03791267	0,974063232	Cldn16
17201811	9,495886	9,105862	9,600266	9,17882	9,472533	9,436954	9,4006713	9,362769	-0,03790233	0,974070208	---
17201987	9,495886	9,105862	9,600266	9,17882	9,472533	9,436954	9,4006713	9,362769	-0,03790233	0,974070208	---
17330203	6,890126	6,950223	6,706732	6,69696	7,009498	6,726917	6,849027	6,811125	-0,037902	0,974070433	Cd86
17289271	7,44161	7,233702	7,49316	7,243461	7,370359	7,440995	7,3894907	7,351605	-0,03788567	0,974081461	Zbed3
17516342	5,240149	4,788789	5,016074	4,874685	5,092635	4,964038	5,015004	4,977119333	-0,03788467	0,974082136	1700110K17Rik
17251557	6,954194	6,982555	7,128829	6,823825	7,039964	7,08819	7,0218593	6,983993	-0,03786633	0,974094515	Hes7
17472868	7,995754	7,908702	7,997892	7,980562	7,998495	7,809736	7,9674493	7,929597667	-0,03785167	0,974104418	Tm7sf3
17249028	5,723248	5,368875	5,337393	5,453651	5,309834	5,5525	5,4765053	5,438661667	-0,03784367	0,974109819	Scgb3a1
17336228	8,581555	8,719787	8,426524	8,489409	8,578612	8,546317	8,5759553	8,538112667	-0,03784267	0,974110495	Tapbp
17335398	7,68679	7,629849	7,590878	7,586988	7,617689	7,589337	7,635839	7,598004667	-0,03783433	0,974116121	Brpf3
17439319	3,025501	3,105992	2,996255	3,200028	2,778351	3,035899	3,0425827	3,004759333	-0,03782333	0,974123549	D5Ertd577e
17518797	6,889513	6,995309	7,005279	7,004951	6,870789	6,900907	6,963367	6,925549	-0,037818	0,97412715	---
17398384	7,556614	7,673534	7,710218	7,702744	7,51358	7,610607	7,6467887	7,608977	-0,03781167	0,974131426	Ppid
17424163	9,346824	9,444592	9,353609	9,37001	9,276386	9,385229	9,381675	9,343875	-0,0378	0,974139304	Ubap2
17476877	6,725777	7,287227	6,705292	6,788818	6,752517	7,063681	6,9060987	6,868338667	-0,03776	0,974166313	---
17536517	5,829339	5,77032	6,065871	5,962641	5,791183	5,798498	5,88851	5,850774	-0,037736	0,974182519	Otud6a
17549292	4,117052	4,323409	3,944267	4,016522	4,126596	4,128439	4,1282427	4,090519	-0,03772367	0,974190847	---
17231669	5,288272	4,936625	5,137314	4,967638	4,938886	5,34252	5,120737	5,083014667	-0,03772233	0,974191747	Epm2a
17290992	5,92822	5,550581	5,877833	6,004625	5,611217	5,627666	5,7855447	5,747836	-0,03770867	0,974200976	Olfr1361
17218727	5,784654	5,948396	5,67032	5,796084	5,837335	5,656834	5,8011233	5,763417667	-0,03770567	0,974203002	Dnm3os
17308952	4,68115	4,451148	4,645584	4,783325	4,490362	4,391121	4,5926273	4,554936	-0,03769133	0,97421268	---
17332228	7,839246	7,707187	7,616444	7,775079	7,491015	7,783737	7,720959	7,683277	-0,037682	0,974218983	Rcan1
17407514	4,358718	4,689877	4,375528	4,251696	4,409282	4,650099	4,4747077	4,437025667	-0,037682	0,974218983	---
17372848	3,617883	3,252086	3,19631	3,574437	3,15005	3,22876	3,3554263	3,317749	-0,03767733	0,974222134	Olfr1124
17283958	4,758288	4,700229	4,642789	4,556086	4,809371	4,622821	4,7004353	4,662759333	-0,037676	0,974223035	Rtl1
17289481	8,918279	9,366283	9,007069	8,890415	9,073441	9,214758	9,0972103	9,059538	-0,03767233	0,974225511	---
17543840	3,677886	3,603447	3,602246	3,529214	3,63482	3,606545	3,6278597	3,590193	-0,03766667	0,974229337	C77370
17483180	6,382907	6,536715	6,496278	6,203672	6,530274	6,56897	6,4719667	6,434305333	-0,03766133	0,974232939	Kctd13
17203547	6,679787	6,861302	6,916549	6,598627	6,595273	7,150792	6,8192127	6,781564	-0,03764867	0,974241493	---
17539121	5,224438	5,022475	5,18121	5,077648	5,097868	5,139669	5,1427077	5,105061667	-0,037646	0,974243293	Klhl34
17516960	6,681566	6,897306	6,543633	6,697393	6,636442	6,675733	6,7075017	6,669856	-0,03764567	0,974243518	Cadm1
17428509	8,121992	8,087468	8,194302	8,179972	8,118585	7,992277	8,1345873	8,096944667	-0,03764267	0,974245544	Faah
17510881	6,740342	6,564216	6,839368	6,620431	6,874184	6,536386	6,714642	6,677000333	-0,03764167	0,97424622	---
17514965	3,495349	3,326292	3,367958	3,467738	3,449721	3,159221	3,396533	3,358893333	-0,03763967	0,97424757	---
17334830	7,100478	7,068117	7,099208	7,055297	7,013687	7,085925	7,0892677	7,051636333	-0,03763133	0,974253198	Pigq
17326021	4,686298	4,756386	4,766756	4,845707	4,586828	4,664096	4,73648	4,698877	-0,037603	0,974272331	Dppa2
17260453	5,825298	5,971311	5,985837	5,870549	5,684535	6,114581	5,927482	5,889888333	-0,03759367	0,974278634	Gm11978
17528329	8,58336	8,674927	8,553659	8,437198	8,640336	8,621659	8,603982	8,566397667	-0,03758433	0,974284937	Snx1
17283028	5,850671	6,686384	6,100085	6,063905	6,257187	6,203319	6,21238	6,174803667	-0,03757633	0,97429034	---
17304482	9,646097	9,590675	9,631948	9,584292	9,604294	9,567444	9,6229067	9,585343333	-0,03756333	0,974299119	Spcs1
17435584	11,9065	11,77411	11,90012	11,95438	11,62143	11,89224	11,860243	11,82268333	-0,03756	0,97430137	Insig1
17335124	4,855291	4,825746	4,662761	4,70091	4,900716	4,629503	4,781266	4,743709667	-0,03755633	0,974303847	Gm10505
17493053	3,289993	3,249732	3,167202	3,210443	3,317661	3,066179	3,2356423	3,198094333	-0,037548	0,974309474	Vmn2r67
17200805	3,230599	3,782854	4,153965	4,452047	3,335647	3,267081	3,7224727	3,684925	-0,03754767	0,974309699	---
17496568	8,28208	8,487007	8,50081	8,297778	8,359883	8,499615	8,423299	8,385758667	-0,03754033	0,974314652	Kif22
17330914	4,079883	3,804133	3,963577	3,887214	4,073456	3,774306	3,9491977	3,911658667	-0,037539	0,974315552	---
17386700	10,09087	10,15276	9,884531	9,891903	10,02379	10,09988	10,04272	10,005191	-0,03752933	0,974322081	Nfe2l2
17314387	5,202003	4,950325	5,054608	5,14851	4,95699	4,988849	5,0689787	5,031449667	-0,037529	0,974322306	Cntn1
17312260	6,837734	6,904602	6,907157	6,730753	6,943219	6,862953	6,8831643	6,845641667	-0,03752267	0,974326583	Rhpn1
17532352	6,49959	6,171546	6,349617	6,332764	6,364713	6,210714	6,340251	6,302730333	-0,03752067	0,974327934	Sec22c
17256942	5,90169	6,083912	6,487923	6,118071	6,160985	6,081909	6,1578417	6,120321667	-0,03752	0,974328384	Rundc3a
17202407	5,172102	5,708398	6,472025	6,070575	5,484078	5,68537	5,784175	5,746674333	-0,03750067	0,97434141	---
17444068	6,29386	6,483134	6,424453	6,635109	6,33917	6,11467	6,4004823	6,362983	-0,03749933	0,974342341	Nudt1
17384813	10,37581	10,36856	10,24519	10,25021	10,38376	10,2431	10,329853	10,29235667	-0,03749667	0,974344142	Ppp6c
17481313	3,898563	4,325154	4,747369	4,52241	4,08146	4,254836	4,3236953	4,286235333	-0,03746	0,974368906	Olfr652
17473765	6,878496	7,180822	7,151908	6,917876	7,03021	7,15086	7,7040487	7,032982	-0,03742667	0,974391419	Zfp110
17496150	6,937098	6,619563	6,55784	6,697693	6,679821	6,624746	6,7048337	6,66742	-0,03741367	0,974400199	Lat
17419423	8,664024	8,477779	8,7147	8,633891	8,592571	8,517809	8,6188343	8,581423667	-0,03741067	0,974402225	Dnajc8
17334102	6,25236	6,614627	6,607763	6,469935	6,406592	6,485998	6,4915833	6,454175	-0,03740833	0,974403801	Pkmyt1
17535922	5,504994	5,586612	5,399671	5,349717	5,525274	5,504068	5,4970923	5,459686333	-0,037406	0,974405377	---
17293454	4,355145	4,01237	3,986908	4,400469	3,981537	3,860203	4,118141	4,080736333	-0,03740467	0,974406278	Cts3
17547263	3,249113	3,608866	3,350901	3,138856	3,567554	3,390283	3,40296	3,365564333	-0,03739567	0,97441257	---
17200861	3,063983	2,704911	3,153102	3,076356	3,006182	2,727274	2,9739987	2,936604	-0,03739467	0,97413032	---
17497785	7,502497	7,40485	7,286196	7,368377	7,329515	7,383513	7,3978477	7,360468333	-0,03737933	0,974423388	Hras1
17292654	7,864307	8,06861	7,847161	7,808012	7,988439	7,871498	7,9266927	7,889316333	-0,03737633	0,974425415	Sptlc1
17458544	5,916382	5,55018	5,950033	5,501906	6,000122	5,802451	5,8055317	5,768159667	-0,037372	0,974428341	C530044C16Rik
17400317	9,445811	9,307349	9,312531	9,205509	9,418685	9,329384	9,3552303	9,317859333	-0,037371	0,974429017	Lass2

17547795	12,57632	12,44172	12,40698	12,36504	12,44196	12,50596	12,475007	12,43765333	-0,03735333	0,974440949	Vdac3	// Vdac3
17542916	3,425385	3,399385	3,713429	3,40289	3,552257	3,471034	3,512733	3,475393667	-0,03733933	0,974450405	Pbsn	
17374871	5,487253	5,714707	5,608812	5,721741	5,56362	5,413536	5,6035907	5,566299	-0,03729167	0,974482602	Itpka	
17540282	9,572047	9,581794	9,474094	9,461169	9,554851	9,500105	9,542645	9,505375	-0,03727	0,974497237	Med14	
17424276	7,433607	7,502366	7,688954	7,537445	7,620826	7,354917	7,5416423	7,504396	-0,03724633	0,974513223	Enho	
17202659	6,282394	6,20261	6,553537	6,521817	6,200264	6,204742	6,3461803	6,308941	-0,03723933	0,974517952	---	
17267649	3,175796	3,014436	3,359315	3,256758	3,195051	2,986093	3,1831823	3,145967333	-0,037215	0,974534388	---	
17286329	4,41844	4,113843	4,31076	4,3497	4,257765	4,123933	4,2810143	4,243799333	-0,037215	0,974534388	---	
17452713	7,020892	7,174837	6,768784	7,070242	6,98814	6,794533	6,988171	6,950971667	-0,03719933	0,974544971	Vps37b	
17539346	5,568261	5,410349	5,406857	5,498127	5,29474	5,481003	5,4618223	5,424623333	-0,037199	0,974545196	Rs1	
17501041	7,694893	7,948816	7,736302	7,545602	7,908998	7,813837	7,793337	7,756145667	-0,03719133	0,974550375	Casp3	
17372900	3,425199	3,773393	3,59076	3,518501	3,614846	3,544475	3,5964507	3,559274	-0,03717667	0,974560283	Olfr1176	
17549438	5,402066	5,178048	5,218513	5,377957	5,089662	5,219589	5,266209	5,229069333	-0,03713967	0,974585277	---	
17549838	5,402066	5,178048	5,218513	5,377957	5,089662	5,219589	5,266209	5,229069333	-0,03713967	0,974585277	---	
17207621	5,596646	4,835312	5,199988	5,951588	3,594351	5,974602	5,2106487	5,173513667	-0,037135	0,97458843	---	
17338637	6,914147	7,310881	7,505587	7,048986	7,26402	7,306209	7,2435383	7,206405	-0,03713333	0,974589556	Zfp959	
17443231	9,050323	9,078603	9,164336	8,935171	9,103786	9,142912	9,097754	9,060623	-0,037131	0,974591132	Baz1b	
17342024	5,080623	4,829056	4,907218	4,83722	5,053395	4,814941	4,9389657	4,901852	-0,03711367	0,974602841	Snhg9	
17379808	10,71566	10,83623	10,71259	10,67703	10,75465	10,72147	10,754827	10,71771667	-0,03711	0,974605318	Cse1l	
17343334	5,077073	5,106609	5,116942	4,935497	5,023472	5,230326	5,100208	5,063098333	-0,03710967	0,974605543	Ephx3	
17433810	6,07774	6,078535	6,038187	6,179867	5,868917	6,034351	6,0648207	6,027711667	-0,037109	0,974605994	Gm16023	
17312657	4,817883	4,827355	4,530437	4,775178	4,551507	4,737688	4,725225	4,688124333	-0,03710067	0,974611623	---	
17389715	8,658699	8,753169	8,650404	8,608414	8,726005	8,616571	8,687424	8,65033	-0,037094	0,974616127	Srp14	
17334302	12,71966	12,84407	12,83201	12,83772	12,8151	12,63165	12,79858	12,76149	-0,03709	0,974618829	---	
17498301	6,509511	6,272123	6,355819	6,425852	6,252977	6,347371	6,379151	6,342066667	-0,03708433	0,974622657	Tnfrsf26	
17549840	5,15367	4,853338	5,109999	5,078291	4,822443	5,105043	5,0390023	5,001925667	-0,03707667	0,974627837	---	
17506184	8,858173	8,828197	8,704955	8,756339	8,776413	8,747347	8,7971083	8,760033	-0,03707533	0,974628737	Usp10	
17449536	10,78894	10,84812	10,84184	10,82537	10,78192	10,76046	10,8263	10,78925	-0,03705	0,974645852	---	
17533004	5,627451	5,570243	5,647265	5,526397	5,68256	5,524875	5,6149863	5,577944	-0,03704233	0,974651031	Kcnd1	
17366812	3,859299	3,640197	3,870247	3,932778	3,595422	3,730429	3,7899143	3,752876333	-0,037038	0,974653959	---	
17366848	3,859299	3,640197	3,870247	3,932778	3,595422	3,730429	3,7899143	3,752876333	-0,037038	0,974653959	---	
17423060	4,045875	3,895608	3,915048	3,808386	3,968368	3,96867	3,952177	3,915141333	-0,03703567	0,974655535	---	
17314238	5,263043	5,478672	5,318336	5,373205	5,50154	5,074229	5,3533503	5,316324667	-0,03702567	0,974662291	Gm10839	// Gm10839
17222694	7,656307	7,572815	7,41555	7,504946	7,627853	7,400813	7,548224	7,511204	-0,03702	0,974666119	Kdelc1	
17289160	7,050314	6,88456	6,839391	6,656579	6,926718	7,079909	6,924755	6,887735333	-0,03701967	0,974666344	Gm15622	
17411605	9,210582	9,347754	9,128432	9,10605	9,223465	9,246223	9,2289227	9,191912667	-0,03701	0,974672875	Sdcbp	
17268576	5,497181	5,436462	5,521968	5,367033	5,484713	5,492838	5,4852037	5,448194667	-0,037009	0,974673551	---	
17346067	11,31989	11,51441	11,35363	11,26738	11,3927	11,41683	11,395977	11,35897	-0,03700667	0,974675127	---	
17300044	3,472822	3,559149	3,270332	3,48224	3,288365	3,420683	3,434101	3,397096	-0,037005	0,974676253	---	
17231684	3,324727	3,118181	3,265643	3,260775	3,131032	3,205748	3,2361837	3,199185	-0,03699867	0,974680532	---	
17547919	4,036648	4,979433	4,913891	4,836252	4,525435	4,457294	4,643324	4,606327	-0,036997	0,974681658	---	
17221531	3,263388	3,212733	3,35324	3,192473	3,302345	3,223608	3,2764537	3,239475333	-0,03697833	0,974694269	Defb44-ps	
17507982	5,441935	5,442054	5,370472	5,498212	5,312936	5,332396	5,4181537	5,381181333	-0,03697233	0,974698323	Nek5	
17302416	2,981646	2,999372	3,066999	2,971677	2,883063	3,082395	3,0160057	2,979045	-0,03696067	0,974706205	---	
17210609	4,586116	5,067344	4,867017	4,892513	4,70649	4,810628	4,840159	4,803210333	-0,03694867	0,974714312	---	
17406421	4,233029	4,931971	4,462408	4,320959	4,358272	4,837342	4,5424693	4,505524333	-0,036945	0,974716789	---	
17375327	9,045482	9,157364	8,853299	9,197078	8,668985	9,079285	9,018715	8,981782667	-0,03693233	0,974725347	Casc4	
17309097	5,226522	4,871825	4,761983	4,992956	4,913011	4,843631	4,9534433	4,916532667	-0,03691067	0,974739986	---	
17550635	2,839918	2,797972	2,813605	2,77414	2,807193	2,759467	2,817165	2,780266667	-0,03689833	0,974748319	---	
17410775	10,12462	10,11715	10,05587	9,993414	10,12159	10,07196	10,099213	10,06232133	-0,036892	0,974752598	Pkn2	
17359366	11,67339	11,77783	11,63736	11,70016	11,65171	11,62606	11,696193	11,65931	-0,03688333	0,974758454	Ptp4a1	// Ptp4a1
17364543	11,67339	11,77783	11,63736	11,70016	11,65171	11,62606	11,696193	11,65931	-0,03688333	0,974758454	Ptp4a1	// Ptp4a1
17434955	5,250192	5,228	5,116615	5,001493	5,162348	5,320378	5,198269	5,161406333	-0,03686267	0,974772417	---	
17295475	5,72478	5,724864	5,825468	5,822176	5,82144	5,520918	5,7583707	5,721511333	-0,03685933	0,974774669	Mrps27	
17238667	4,480266	3,720478	4,071662	3,908191	4,203541	4,050099	4,090802	4,053943667	-0,03685833	0,974775345	Olfr787	
17322261	7,550953	7,600799	7,413331	7,695771	7,334861	7,423905	7,5216943	7,484845667	-0,03684867	0,974781877	---	
17503705	6,172761	6,098577	6,122223	6,027691	6,171296	6,084032	6,131187	6,094339667	-0,03684733	0,974782777	Gm3134	
17233738	9,655256	9,84957	9,523088	9,60273	9,680057	9,634622	9,6759713	9,639136333	-0,036835	0,974791111	---	
17236836	9,549509	9,708626	9,567602	9,544626	9,62774	9,54289	9,608579	9,571752	-0,036827	0,974796516	Atp2b1	
17315394	10,73343	10,65802	10,64661	10,65397	10,7794	10,49426	10,679353	10,64254333	-0,03681	0,974808003	---	
17368476	6,441122	6,285489	6,498863	6,551435	6,389729	6,17392	6,4084913	6,371694667	-0,03679667	0,974817012	Adamtsl2	
17293241	9,588244	9,550605	9,626061	9,609138	9,492485	9,552928	9,5883033	9,551517	-0,03678633	0,974823994	---	
17364772	8,421103	8,541085	8,377933	8,478622	8,344911	8,40626	8,446707	8,409931	-0,036776	0,974830976	Mms19	
17518170	2,958313	3,11311	2,958884	2,809115	3,01989	3,090984	3,0101023	2,973329667	-0,03677267	0,974833229	---	
17283972	5,394922	5,366914	5,259773	5,338255	5,183261	5,389791	5,3405363	5,303769	-0,03676733	0,974836832	3110009F21Rik	
17323098	6,954569	6,901414	6,816104	6,85121	6,798257	6,91233	6,8906957	6,853932333	-0,03676333	0,974839535	Mpv17l	
17471659	3,638384	3,518829	3,639618	3,528103	3,56453	3,593909	3,5989437	3,562180667	-0,036763	0,97483976	Klra1	
17445642	4,023813	4,068305	3,711	3,793546	3,582487	4,316806	3,9343727	3,897613	-0,03675967	0,974842013	Speer4e	
17490719	3,344424	3,19089	2,979938	3,098067	3,158189	3,148755	3,1717507	3,135003667	-0,036747	0,974850572	---	
17314439	8,014209	8,244961	8,030312	7,992273	8,075883	8,111106	8,096494	8,059754	-0,03674	0,974855302	Pphln1	
17311533	9,52465	9,312148	9,284915	9,352236	9,313026	9,346243	9,3739043	9,337168333	-0,036736	0,974858005	Deptor	
17240053	8,749429	8,752475	8,641553	8,634316	8,632872	8,76607	8,7144857	8,677752667	-0,036733	0,974860032	Ncoa7	
17465696	8,276672	8,297591	8,253355	8,231709	8,269411	8,216311	8,2758727	8,239143667	-0,036729	0,974862735	Slc35b4	
17477559	6,82632	6,844045	6,922997	6,76263	6,984955	6,735595	6,864454	6,827726667	-0,03672733	0,974863861	Nup62	
17331573	11,91328	12,06626	11,96202	11,92577	11,99345	11,91217	11,98052	11,94379667	-0,03672333	0,974866564	Fau	// Fau
17504878	6,008026	6,16539	6,273645	6,128999	6,02603	6,181874	6,1490203	6,112301	-0,03671933	0,974869267	Rltpr	
17326001	2,89184	3,045091	3,251151	2,839803	3,018711	3,219466	3,062694	3,025993333	-0,03670067	0,97488188	---	
17256225	9,478168	9,410363	9,51659	9,399937	9,453194	9,441901	9,4683737	9,431677333	-0,03669633	0,974884809	Cdc6	
17399285	8,44155	8,641632	8,499105	8,525223	8,505954	8,44104	8,527429	8,490739	-0,03669	0,974889088	Clk2	
17455562	9,00263	8,983576	8,897991	8,979241	8,871042	8,92387	8,961399	8,924717667	-0,03668133	0,974894945	N4bp2l2	
17461638	8,970975	9,069053	8,999912	9,006207	8,962175	8,96158	9,0133133	8,976654	-0,03665933	0,974909811	Arpc4	
17293313	6,531425	6,380631	6,686909	6,364447	6,663463	6,461097	6,5329883	6,496335667	-0,03665267	0,974914316	Gas1	
17208197	5,671994	3,828615	5,676465	4,401273	5,552152	5,113718	5,0590247	5,022381	-0,03664367	0,974920398	---	
17340493	5,11762	5,125539	5,276798	5,27761	4,997858	5,134592	5,173319	5,136686667	-0,03663233	0,974928057	Ldhal6b	
17491431	5,939518	5,219751	5,538723	5,805794	5,168133	5,614183	5,5659973	5,52937	-0,03662733	0,974931436	---	
17512852	7,795262	8,058845	7,861976	7,595782	8,065307	7,945132	7,905361	7,868740333	-0,03662067	0,974935941	---	
17245044	7,995799	7,846901	7,775884	7,810061	7,781568	7,91712	7,8728613	7,836249667	-0,03661167	0,974942023	Tmem19	
17537756	8,372235	8,229342	8,300072	8,419031	8,13891	8,233875	8,3005497	8,263938667	-0,036611	0,974942473	Armcx3	
17380680	7,395713	7,206238	7,498983	7,342963	7,287828	7,360343	7,366978	7,330378	-0,0366	0,974949907	Ss18l1	
17206293	5,692347	6,640268	5,772446	6,155884	6,032136	5,807241	6,0350203	5,998420333	-0,0366	0,974949907	---	
17424554	8,795374	8,791451	8,751667	8,653829	8,858612	8,716263	8,7794973	8,742901333	-0,036596	0,97495261	Stoml2	
17504751	8,284785	8,437872	8,310957	8,443945	8,224813	8,255112	8,344538	8,307956667	-0,03658133	0,974962522	Tmem208	
17547911	7,148097	7,135274	7,048649	7,132769	6,963905	7,125617	7,1106733	7,074097	-0,03657633	0,974965901	---	
17448919	5,475902	5,760606	5,628677	5,611416	5,518064	5,625983	5,6217283	5,585154333	-0,036574	0,974967477	Gm19590	
17475536	7,808876	7,752963	7,824607	7,620969	7,783111	7,872657	7,795482	7,758912333	-0,03656967	0,974970406	Mir1191	// Mir1191
17223980	2,874501	3,084054	2,912147	3,002611	2,920597	2,837788	2,9569007	2,920332	-0,03656867	0,974971082	---	
17272287	8,658113	8,830227	8,525139	8,658704	8,593237	8,651859	8,6711597	8,6346	-0,03655967	0,974977164	Srp68	
17360018	4,759391	4,721631	4,950074	4,764544	4,877655	4,679243	4,8103653	4,773814	-0,03655133	0,974982796	Mir146b	
17292956	7,130257	7,195854	7,129009	7,058767	7,04681	7,239892	7,1517067	7,115156333	-0,03655033	0,974983471	B4galt7	
17378305	9,362357	9,253899	8,744907	9,290837	8,964886	8,995829	9,1203877	9,083850667	-0,036537	0,974992482	---	
17235037	6,738494	6,958423	6,834435	6,801954	6,883712	6,7362	6,843784	6,807288667	-0,03649533	0,975020642	Arid3a	
17348591	4,572338	4,375064	4,461962	4,362264	4,407233	4,530408	4,469788	4,433301667	-0,03648633	0,975026724	Cabyr	
17418760	4,998081	4,724969	4,765868	4,997118	4,643884	4,738466	4,8296393	4,793156	-0,03648333	0,975028752	---	
17550392	5,660301	5,544233	5,635528	5,572803	5,645159	5,512665	5,613354	5,576875667	-0,03647833	0,975032131	---	
17415741	4,130581	4,317777	3,877453	4,04278	4,002501	4,17113	4,1086037	4,072137	-0,03646667	0,975040016	---	
17516450	7,679213	7,727572	7,625388	7,660153	7,533549	7,729097	7,677391	7,640933	-0,036458	0,975045873	Pvrl1	
17336906	6,667435	6,956737	6,549194	6,673324	6,788607	6,602078	6,7244553	6,688003	-0,03645233	0,975049703	Ddah2	
17284657	3,456465	3,136782	3,045656	3,249813	3,192254	3,087494	3,2129677	3,176520333	-0,03644733	0,975053082	---	
17452477	10,95039	11,07508	11,12989	11,019	11,01952	11,00752	11,051787	11,01534667	-0,03644	0,975058038	Anapc5	
17349311	9,034224	8,964561	8,851105	8,883276	8,961995	8,895389	8,9499633	8,913553333	-0,03641	0,975078314	Wdr36	
17288266	11,69398	12,06555	11,96231	11,93753	11,78712	11,88798	11,90728	11,87087667	-0,03640333	0,97508282	Gm5451	
17415396	4,919803	4,696058	4,697217	4,594433	4,857178	4,752309	4,771026	4,73464	-0,036386	0,975094535	---	
17500068	7,3988	7,839723	7,077048	7,36264	7,45139	7,392499	7,4385237	7,402176333	-0,03634733	0,97512067	Sfrp1	
17446289	7,144346	6,926899	7,087757	6,997789	6,904651	7,147526	7,0530007	7,016655333	-0,03634533	0,975122022	Wdr86	
17348602	4,14158	4,184292	4,331799	4,074945	4,510692	3,963009	4,2192237	4,182882	-0,03634167	0,9751245	---	
17529764	9,971943	9,760732	9,263248	9,449947	9,62367	9,813283	9,6653077	9,628966667	-0,036341	0,975124951	Pls1	
17382626	7,372454	7,62709	7,545296	7,434108	7,567317	7,434411	7,5149467	7,478612	-0,03633467	0,975129231	Traf2	
17464738	4,856811	4,987888	5,05857	4,902391	5,206203	4,685673	4,9677563	4,931422333	-0,036334	0,975129682	Col28a1	
17272147	7,819825	7,601904	7,688278	7,673272	7,768189	7,559638	7,7033357	7,667033	-0,03630267	0,975150861	Wbp2	
17337557	6,970783	7,364353	7,140529	7,33448	6,945337	7,086986	7,158555	7,122267667	-0,03628733	0,975161225	H2-M3	
17210855	9,920381	9,705583	9,514107	9,655123	9,675849	9,700251	9,713357	9,677074333	-0,03628267	0,975164379	Lypla1	
17454766	8,492513	8,465612	8,427505	8,455914	8,302294	8,518601	8,4618767	8,425603	-0,03627367	0,975170463	Rnf216	
17210455	6,45222	6,425314	5,762125	6,071535	6,086319	6,372992	6,2132197	6,176948667	-0,036271	0,975172265	---	
17269108	5,649839	5,623159	5,93198	5,675718	5,564048	5,856419	5,7349927	5,698728333	-0,03626433	0,975176771	Krt39	
17366860	3,901508	3,379643	3,409632	3,521305	3,645412	3,415273	3,5635943	3,52733	-0,03626433	0,975176771	---	
17299874	3,850501	3,731036	3,821692	3,88445	3,675164	3,734862	3,8010763	3,764825333	-0,036251	0,975185784	---	
17299951	3,850501	3,731036	3,821692	3,88445	3,675164	3,734862	3,8010763	3,764825333	-0,036251	0,975185784	---	
17245568	6,421904	6,501887	6,515416	6,395851	6,429089	6,505522	6,4797357	6,443487333	-0,03624833	0,975187587	Gm9079	
17492892	4,008235	4,302527	4,184655	4,181392	4,07974	4,125542	4,165139	4,128891333	-0,03624767	0,975188037	4933430H16Rik	
17259794	7,149514	7,105249	7,102781	7,168522	7,151984	6,928302	7,1191813	7,082936	-0,03624533	0,975189614	Rnf185	
17373538	4,545629	4,858093	4,856508	4,74401	4,746745	4,660752	4,75341	4,717169	-0,036241	0,975192543	4631405J19Rik	
17311131	4,967822	4,774967	4,803593	4,820829	4,719477	4,897418	4,848794	4,812574667	-0,03621933	0,975207189	4930447A16Rik	
17446474	6,765639	6,53969	6,594354	6,729379	6,671333	6,390345	6,6332277	6,597019	-0,03620867	0,9752144	Speer4a	
17312124	5,500593	5,344669	5,173911	5,381392	5,091324	5,437867	5,3397243	5,303527667	-0,03619667	0,975222511	1700010B13Rik	

17311499	3,791106	4,10425	3,889477	3,808686	3,85045	4,017123	3,9282777	3,892086333	-0,03619133	0,975226116	Gm7489
17212840	4,219494	4,180001	4,351807	4,100482	4,387617	4,154644	4,250434	4,214247667	-0,03618633	0,975229496	Ccdc150
17505837	4,273596	4,401103	4,637733	4,263993	4,401527	4,538375	4,4374773	4,401298333	-0,036179	0,975234453	Syce1l
17549238	5,692039	5,730558	5,867688	5,730558	5,720637	5,730558	5,7634283	5,727251	-0,03617733	0,97523558	---
17549320	5,692039	5,730558	5,867688	5,730558	5,720637	5,730558	5,7634283	5,727251	-0,03617733	0,97523558	---
17269748	7,257173	7,470205	7,408417	7,390003	7,424357	7,212911	7,3785983	7,342423667	-0,03617467	0,975237383	Ptrf
17324745	4,787388	5,345043	5,395423	4,821126	5,015316	5,582911	5,1759513	5,139784333	-0,036167	0,975242565	Bex6 // Bex6
17325576	5,445053	5,822627	5,279122	5,759984	5,138927	5,539421	5,5156007	5,479444	-0,03615667	0,97524955	---
17459353	4,50854	4,392838	4,201015	4,403032	4,227732	4,363181	4,3674643	4,331315	-0,03614933	0,975254508	---
17447013	5,740621	5,42075	6,069264	5,805116	5,621672	5,695439	5,743545	5,707409	-0,036136	0,975263521	AI839979
17228515	4,223631	4,503119	4,571576	4,274479	4,549073	4,366376	4,4327753	4,396642667	-0,03613267	0,975265774	9430070O13Rik
17488179	6,951389	7,040174	7,023929	7,111674	6,982996	6,812446	7,005164	6,969038667	-0,03612533	0,975270732	Ltbp4
17251516	3,993543	4,031952	4,37689	4,225201	4,084987	3,983913	4,1341283	4,098033667	-0,03609467	0,975291463	---
17420981	6,712254	6,883936	6,824295	6,766895	6,872232	6,673148	6,8068283	6,770758333	-0,03607	0,975308138	D4Ertd22e // D4Ertd22e
17243018	7,991856	8,20797	8,456401	7,706185	8,574767	8,267073	8,2187423	8,182675	-0,03606733	0,975309941	---
17460576	8,336637	8,336883	8,391006	8,021521	8,417781	8,517067	8,354842	8,318789667	-0,03605233	0,975320081	---
17311058	4,173303	4,180157	4,508461	4,55223	3,871886	4,329648	4,287307	4,251254667	-0,03605233	0,975320081	---
17525774	3,470807	3,198291	3,589357	3,323028	3,779565	3,047715	3,419485	3,383436	-0,036049	0,975322335	---
17514057	4,746121	4,605192	4,750899	4,586689	4,916469	4,490937	4,7007373	4,664698333	-0,036039	0,975329095	---
17305114	6,322521	6,340318	6,417003	6,27525	6,380777	6,31571	6,3599473	6,323912333	-0,036035	0,9753318	---
17356794	7,867908	7,819065	8,020204	7,867695	7,820941	7,910455	7,9023923	7,866363667	-0,03602867	0,975336081	Men1
17482070	4,176038	3,959502	4,133596	4,177459	4,13272	3,850886	4,089712	4,053688333	-0,03602367	0,975339461	---
17305028	5,564672	5,915987	5,768855	5,8503	5,669518	5,62165	5,749838	5,713822667	-0,03601533	0,975345095	Fam25c
17327524	6,949428	6,981218	7,024307	6,91336	7,041525	6,892051	6,9849843	6,948978667	-0,03600567	0,975351631	Igsf5 // Igsf5
17309018	3,081882	2,943091	3,085069	3,12478	2,984849	2,892426	3,0366807	3,000685	-0,03599567	0,975358391	---
17285834	8,594197	8,365666	8,877802	8,616337	8,673889	8,439458	8,612555	8,576561333	-0,03599367	0,975359743	Hist1h2bg
17276800	7,412826	7,482085	7,322763	7,372245	7,40352	7,333972	7,4058913	7,369912333	-0,035979	0,975369659	Rad51l1
17355915	10,34793	10,25613	10,15342	10,27522	10,23564	10,1387	10,252493	10,21652	-0,03597333	0,97537349	Cpt1a
17309825	4,045148	4,492363	4,416732	4,289478	4,26854	4,288309	4,318081	4,282109	-0,035972	0,975374392	Plcxd3
17523177	7,82275	7,911637	8,015157	7,862908	7,893939	7,884782	7,9165147	7,880543	-0,03597167	0,975374617	Rpsa
17360427	9,678134	9,630501	9,673794	9,606285	9,603511	9,664744	9,6608097	9,624846667	-0,035963	0,975380476	Shoc2
17550586	14,05601	14,04988	14,04002	13,98212	14,01385	14,04213	14,048637	14,0127	-0,03593667	0,97539828	---
17403653	9,337088	9,320364	9,332471	9,31985	9,291686	9,270581	9,3299743	9,294039	-0,03593533	0,975399181	Usp33
17458836	3,78237	3,796491	4,153509	3,932816	4,046203	3,645554	3,91079	3,874857667	-0,03593233	0,97540121	6430584L05
17343684	10,21505	10,21027	10,31025	10,31479	10,11108	10,20196	10,24519	10,20927667	-0,03591333	0,975414056	---
17265496	3,867944	4,222469	3,974757	3,684874	4,245592	4,026967	4,0217233	3,985811	-0,03591233	0,975414732	Nlrp1b
17387936	4,075027	4,02986	4,117175	4,064323	3,953608	4,096397	4,0740207	4,038109333	-0,03591133	0,975415408	Olfr1234
17549112	3,345356	3,459208	3,466503	3,388874	3,499334	3,27515	3,423689	3,387786	-0,035903	0,975421042	---
17463673	7,904669	7,832605	7,843846	7,877269	7,695862	7,900306	7,8603733	7,8247479	-0,03589433	0,975426902	Etv6
17530457	8,888102	8,943232	8,892358	8,778103	8,912358	8,925603	8,9078973	8,872021333	-0,035876	0,975439297	Atp2c1
17281386	11,12986	11,32201	11,20241	11,20455	11,13388	11,20823	11,218093	11,18222	-0,03587333	0,9754411	---
17549602	7,239255	7,498268	7,36519	7,519075	7,358295	7,117771	7,367571	7,331713667	-0,03585733	0,975451918	---
17549862	7,239255	7,498268	7,36519	7,519075	7,358295	7,117771	7,367571	7,331713667	-0,03585733	0,975451918	---
17549870	7,239255	7,498268	7,36519	7,519075	7,358295	7,117771	7,367571	7,331713667	-0,03585733	0,975451918	---
17430853	6,305655	6,542072	6,346013	6,261145	6,339488	6,485544	6,3979133	6,362059	-0,03585433	0,975453947	Med18
17465671	9,785591	9,722569	9,665202	9,611419	9,729479	9,724928	9,724454	9,688608667	-0,03584533	0,975460032	Chchd3
17379417	7,776524	7,806844	7,888703	7,846439	7,884056	7,634043	7,8240237	7,788179333	-0,03584433	0,975460708	Sys1
17396260	12,6385	12,7832	12,35882	12,50842	12,54302	12,62157	12,593507	12,55767	-0,03583667	0,975465892	Cp
17548881	3,115928	3,420199	3,336137	3,167822	3,255592	3,34137	3,2907547	3,254928	-0,03582667	0,975472653	---
17304089	7,829246	8,149516	8,048857	7,934685	7,988168	7,997303	8,0092063	7,973385333	-0,035821	0,975476485	Polr3a
17305401	6,304203	6,501433	5,763835	6,091898	6,026959	6,343218	6,1898237	6,154025	-0,03579867	0,975491585	---
17214405	4,925622	5,161494	5,019341	4,850913	5,064469	5,083687	5,0354857	4,999689667	-0,035796	0,975493389	---
17331212	4,193461	4,426515	4,222134	4,381353	4,185709	4,167671	4,2807033	4,244911	-0,03579233	0,975495868	Gpr15
17537895	10,69941	10,65707	10,7204	10,70694	10,61731	10,64527	10,692293	10,65650667	-0,03578667	0,975499699	Ngfrap1
17436827	4,977148	5,13431	5,501403	5,186392	4,948984	5,370127	5,204287	5,168501	-0,035786	0,97550015	4930478P22Rik
17465692	3,624223	3,582726	3,727642	3,703005	3,462116	3,662122	3,6448637	3,609081	-0,03578267	0,975502404	---
17382214	3,823082	3,837789	4,013991	3,869197	3,823082	3,875237	3,8916207	3,855838667	-0,035782	0,975502855	Tbpl2
17485937	9,60339	9,690261	9,758513	9,555706	9,664123	9,724998	9,6840547	9,648275667	-0,035779	0,975504883	Ube2s
17358456	4,91418	4,541514	4,979023	4,977035	4,634099	4,716288	4,8115723	4,775807333	-0,035765	0,97551435	---
17493331	9,10482	9,259481	9,13954	9,11299	9,179342	9,104218	9,167947	9,132183333	-0,03576367	0,975515251	Pcf11
17522575	2,896855	2,704148	2,782463	2,670119	2,827715	2,778414	2,7944887	2,758749333	-0,03573933	0,975531705	---
17408585	5,236538	5,226902	5,145627	5,560003	5,062965	4,878883	5,2030223	5,167283667	-0,03573867	0,975532156	Tshb
17414099	3,682724	3,387666	3,387666	3,363262	3,472548	3,515084	3,4860187	3,450298	-0,03572067	0,975544327	Cylc2
17492185	5,681076	5,365231	5,86531	5,522812	5,75111	5,530557	5,6372057	5,601493	-0,03571267	0,975549737	St8sia2
17298791	12,18601	12,31602	12,34594	12,27287	12,27952	12,18848	12,282657	12,24695667	-0,0357	0,975558302	Rpl23a
17419323	4,705703	4,643529	4,597373	4,520019	4,794837	4,524656	4,6488683	4,613170667	-0,03569767	0,97555988	Gm831
17401126	4,93995	4,614021	4,76623	4,628253	4,862528	4,722328	4,7734003	4,737703	-0,03569733	0,975560105	Ampd1
17287964	4,687264	4,656249	4,70046	4,606665	4,651182	4,679049	4,6813243	4,645632	-0,03569233	0,975563486	4930528D03Rik
17444713	9,722276	9,753692	9,512372	9,554766	9,608509	9,718039	9,66278	9,627104667	-0,03567533	0,975574982	Cdk8
17513319	5,359142	5,215871	5,39081	5,112005	5,387663	5,359142	5,321941	5,28627	-0,035671	0,975577912	1700030J22Rik
17232593	6,333828	6,583536	6,449778	6,39321	6,496113	6,370831	6,455714	6,420051333	-0,03566267	0,975583547	Lama4
17352036	8,781401	8,858389	8,570612	8,675064	8,626308	8,802047	8,7368007	8,701139667	-0,035661	0,975584674	Pstpip2 // Pstpip2
17409920	10,08421	9,952327	9,896994	9,918811	9,921304	9,986463	9,9778437	9,942192667	-0,035651	0,975591437	Abcd3
17243943	8,6203	8,631339	8,439877	8,525606	8,515514	8,543459	8,5638387	8,528193	-0,03564567	0,975595043	Spic
17215105	5,360509	5,73278	5,949642	5,760218	5,548572	5,627222	5,680977	5,645337333	-0,03563967	0,975599101	C130036L24Rik
17519792	3,29516	3,255224	3,35564	3,133248	3,258441	3,407436	3,302008	3,266375	-0,035633	0,975603609	---
17258902	5,791627	6,179803	5,945939	5,926581	5,976683	5,907229	5,9724563	5,936831	-0,03562533	0,975608793	C1qtnf1
17440923	8,382573	8,450047	8,570155	8,438832	8,340146	8,516959	8,4675917	8,431979	-0,03561267	0,975617359	Ube3b
17266603	3,859943	3,621359	3,666337	3,584113	3,549037	3,907658	3,7158797	3,680269333	-0,03561033	0,975618937	Gm11202
17508416	7,797206	7,938392	7,830803	7,858233	7,825652	7,775703	7,855467	7,819862667	-0,03560433	0,975622995	Bag4
17497003	4,879939	5,005568	5,043152	5,011399	4,924786	4,885667	4,9762197	4,940617333	-0,03560233	0,975624347	Etos1
17291653	7,233655	6,883043	6,824269	6,774225	7,08576	6,974209	6,9803223	6,944731333	-0,035591	0,975632011	Gmds
17404239	4,545664	4,461154	4,503694	4,415008	4,687019	4,301713	4,503504	4,467913333	-0,03559067	0,975632237	---
17548226	9,849085	10,00988	9,917912	9,76163	9,959066	9,949415	9,9256257	9,890037	-0,03558867	0,975633589	Sec61g // Sec61g
17267428	3,777649	3,628254	3,58553	3,528844	3,533565	3,822277	3,663811	3,628228667	-0,03558233	0,975637872	---
17302347	3,58515	3,433468	3,420234	3,402565	3,431326	3,4983	3,4796173	3,444063667	-0,03555367	0,975657259	4921530L21Rik
17451512	5,866716	5,814138	5,804405	5,77133	5,802214	5,805076	5,8284197	5,792873333	-0,03554633	0,975662218	Foxn4
17277668	4,407907	4,442866	4,576182	4,550579	4,496955	4,272791	4,4756517	4,440108333	-0,03554333	0,975664247	Gm2016
17204673	4,800668	6,152307	5,658609	5,482423	5,73039	5,292154	5,5371947	5,501655667	-0,035539	0,975667177	---
17293542	6,252199	5,980208	6,171947	6,306629	5,899747	6,091444	6,1347847	6,099273333	-0,03551133	0,975685888	Gm5141 // Gm5141
17493786	6,420192	6,368807	6,536219	6,429019	6,44909	6,340594	6,4417393	6,406234333	-0,035505	0,975690171	Mrpl48
17208027	3,146038	3,33882	3,383563	3,236931	3,324872	3,200103	3,2894737	3,253968667	-0,035505	0,975690171	---
17284620	3,079936	3,095066	2,991391	3,108847	2,98337	2,967667	3,0554643	3,019961333	-0,035503	0,975691524	---
17403148	9,327011	8,972807	9,218729	9,180617	9,139184	9,092287	9,172849	9,137362667	-0,03548633	0,975702795	Mir1956
17325810	5,17363	5,152809	5,294991	5,256475	5,103157	5,155355	5,2071433	5,171662333	-0,035481	0,975706402	Wdr52
17436407	4,358782	4,668317	4,173913	4,488011	4,346488	4,2601	4,4003373	4,364866333	-0,035471	0,975713165	Slc5a1
17447269	7,808821	7,981215	8,010803	7,959325	7,901837	7,83328	7,933613	7,898147333	-0,03546567	0,975716772	Mfsd10
17501649	3,287739	3,13301	3,05181	3,166355	3,2267	2,973156	3,1575197	3,122070333	-0,03544933	0,975727819	---
17205711	8,449239	8,010417	8,314493	8,967769	7,277877	8,422156	8,2580497	8,222600667	-0,035449	0,975728044	---
17431454	7,091554	7,073018	7,077629	6,934204	7,080477	7,121188	7,0807337	7,045289667	-0,035444	0,975731426	Nipal3
17480002	4,224789	4,328211	4,186478	4,353589	4,115469	4,164105	4,2464927	4,211054333	-0,03543833	0,975735259	Grm5
17443208	8,336545	8,291029	8,313356	8,33954	8,225914	8,269255	8,3136433	8,278236333	-0,035407	0,97575645	Tbl2
17266797	7,477602	7,593026	7,484421	7,545492	7,3605	7,542836	7,5183497	7,482942667	-0,035407	0,97575645	Rffl
17394405	7,991887	8,120564	8,062087	8,014372	8,120136	7,933837	8,0581793	8,022781667	-0,03539767	0,975762763	Elmo2
17502179	7,441927	7,622336	7,73824	7,735722	7,416774	7,54382	7,6008343	7,565438667	-0,03539567	0,975764116	Ankle1
17281455	3,16557	3,153102	3,201287	3,049667	3,202621	3,161491	3,1733197	3,137926333	-0,03539333	0,975765694	Rpl10l
17440640	4,779008	4,642827	4,924468	4,748943	4,811584	4,679597	4,782101	4,746708	-0,035393	0,975765919	C130026L21Rik
17300319	5,688687	5,604424	5,76231	5,661952	5,77222	5,515132	5,6851403	5,649768	-0,03537233	0,97577897	---
17501061	4,875074	4,579289	5,071797	4,979098	4,673926	4,767043	4,8420533	4,806689	-0,03536433	0,975785308	Enpp6
17234448	3,625138	3,589685	3,465892	3,521823	3,499777	3,553065	3,5602383	3,524888333	-0,03535	0,975795003	---
17324694	9,517385	9,149802	9,415084	9,328724	9,466291	9,181207	9,360757	9,325407333	-0,03534967	0,975795228	---
17400072	6,17499	6,547406	6,189957	6,303766	6,348838	6,153779	6,3041177	6,268794333	-0,03532333	0,975813039	Tdrkh
17230816	5,045128	4,9801	5,091788	5,048694	4,90015	5,062251	5,0390053	5,003698333	-0,035307	0,975824087	9630028B13Rik
17513061	9,568178	9,574781	9,534758	9,419288	9,557504	9,595022	9,559239	9,523938	-0,035301	0,975828145	Rfwd3
17467753	10,72142	10,81425	10,78888	10,77695	10,69233	10,74939	10,77485	10,73955667	-0,03529333	0,975833331	Mat2a
17384508	4,640811	4,591852	4,694406	4,627903	4,689238	4,504069	4,6423563	4,60707	-0,03528633	0,975838066	Ttll11
17414868	5,602393	5,218037	5,139323	5,28746	5,241477	5,324958	5,3199177	5,284631667	-0,035286	0,975838291	Gm428
17495673	5,952714	6,083522	6,279197	5,916043	6,164871	6,128663	6,1051443	6,069859	-0,03528533	0,975838742	Gm19963
17247962	8,855647	9,147118	8,798354	8,867786	8,944333	8,883181	8,9337063	8,898433333	-0,035273	0,975847085	Pnpt1
17342689	7,368453	7,507212	7,835944	7,517327	7,655508	7,43298	7,5705363	7,535271667	-0,03526467	0,975852721	2900010M23Rik
17285859	9,256284	9,172318	9,263462	9,221386	9,225033	9,139862	9,230688	9,195427	-0,035261	0,975855201	Hist1h1c
17283851	4,728921	4,494301	5,157213	4,735468	4,82023	4,718974	4,7934783	4,758224	-0,03525433	0,975859711	---
17229956	4,093848	3,715744	3,820189	3,889303	3,780971	3,853755	3,8765937	3,841343	-0,03525067	0,975862191	---
17204405	4,309708	4,593849	4,662573	4,056423	5,262257	4,141751	4,5220433	4,486810333	-0,035233	0,975874141	---
17388592	3,643474	3,275939	3,21346	3,300759	3,354939	3,371521	3,3776243	3,342406333	-0,035218	0,975884288	Mir129-2
17248800	7,635761	7,740196	7,64361	7,619276	7,647997	7,646658	7,673189	7,637977	-0,035212	0,975888346	Med7
17287715	6,292626	6,433885	6,488306	6,34376	6,52128	6,244146	6,404939	6,369728667	-0,03521033	0,975889474	B4galt7
17405760	5,594846	5,50985	5,734041	5,594689	5,673392	5,465033	5,6129123	5,577704667	-0,03520767	0,975891277	1110032F04Rik // 1110032F04Rik
17397825	11,57416	11,78878	11,78784	11,646	11,80052	11,59864	11,716927	11,68172	-0,03520667	0,975891954	Rpl13 // Rpl13
17455296	8,622442	8,609162	8,825836	8,511149	8,79908	8,6416	8,6858133	8,650609667	-0,03520367	0,975893983	---
17288641	8,143673	8,126462	7,806283	7,891074	8,023302	8,056494	8,0254727	7,99029	-0,03518267	0,975908188	Ccdc127
17327231	4,190581	4,45075	4,804551	4,386635	4,534593	4,41913	4,4819607	4,446786	-0,03517467	0,9759136	2410124H12Rik
17412846	4,673298	4,619603	4,552235	4,923308	4,349614	4,46674	4,6150453	4,579887333	-0,035158	0,975924874	Mir3094
17276262	8,255071	8,133916	8,093753	8,0279	8,217256	8,132154	8,1609133	8,12577	-0,03514333	0,975934796	Mnat1

17310797	2,951544	3,35429	3,507104	3,557381	3,136344	3,01379	3,2709793	3,235838333	-0,035141	0,975936374	---	
17436454	4,953596	5,070558	5,001011	4,972246	5,115633	4,831912	5,0083883	4,973263667	-0,03512467	0,975947423	Gm9903	
17441660	6,464534	6,311355	6,374208	6,019055	6,453776	6,571924	6,3833657	6,348251667	-0,035114	0,975954639	Sds	
17470597	8,043501	8,147385	7,889587	7,931175	8,149222	7,894781	8,0268243	7,991726	-0,03509833	0,975965237	Slc2a3	
17549180	3,412983	3,813392	3,689183	3,688599	3,511768	3,609923	3,6385193	3,60343	-0,03508933	0,975971326	---	
17354182	3,60044	3,709684	3,922472	3,936333	3,557582	3,633422	3,7441987	3,709112333	-0,03508633	0,975973355	Spink11	
17467706	6,38274	6,49792	6,303271	6,35943	6,386814	6,33243	6,3946437	6,359558	-0,03508567	0,975973806	Atoh8	
17518095	5,48855	5,383489	5,521149	5,340804	5,554181	5,392982	5,464396	5,429322333	-0,03507367	0,975981924	Larp6	
17331306	6,340714	6,405305	6,566288	6,230553	6,462876	6,513663	6,4374357	6,402364	-0,03507167	0,975983277	---	
17513389	7,881113	8,093362	7,898593	7,936673	7,83765	7,993533	7,9576893	7,922618667	-0,03507067	0,975983954	Mphosph6	
17443468	6,40673	6,480656	6,549379	6,313545	6,448824	6,569214	6,4789217	6,443861	-0,03506067	0,975990719	4933404O12Rik	
17384622	8,107267	8,050893	7,965472	7,954253	8,053382	8,010818	8,0412107	8,006151	-0,03505967	0,975991395	Zbtb6	
17270684	5,021966	5,093569	5,23177	5,01796	5,174848	5,049321	5,1157683	5,080709667	-0,03505867	0,975992072		03/11/17
17476389	5,959121	6,128942	6,293877	5,962167	6,35474	5,959911	6,1273133	6,092272667	-0,03504067	0,976004249	Nphs1	
17389689	4,563001	4,386423	4,340447	4,356202	4,446846	4,381765	4,429957	4,394937667	-0,03501933	0,976018681	Fsip1	
17257150	5,629519	5,396607	5,605968	5,465456	5,696488	5,365157	5,5440313	5,509033667	-0,03499767	0,976033339	C130046K22Rik	
17317409	3,871364	3,978946	4,028145	3,894422	3,791871	4,087176	3,959485	3,924489667	-0,03499533	0,976034918	D030024E09Rik	
17549714	3,061681	3,247037	3,144197	3,198985	3,050575	3,098405	3,1509717	3,115988333	-0,03498333	0,976043036	---	
17508628	4,227163	3,917243	4,056152	4,137635	4,034971	3,923028	4,0668527	4,031878	-0,03497467	0,9760489	Gm3985	
17400989	4,259803	4,237464	4,327466	4,102149	4,426515	4,191221	4,274911	4,239961667	-0,03494933	0,976066039	4930406D18Rik	
17368122	4,840899	4,659686	4,730514	4,48996	5,042629	4,593662	4,7436997	4,708750333	-0,03494933	0,976066039	Lcn8	
17279011	4,848575	4,682683	4,724293	4,767615	4,642766	4,740331	4,7518503	4,716904	-0,03494633	0,976068069	4921507G05Rik	
17450770	8,688302	8,643255	8,599442	8,668439	8,559339	8,598452	8,6436663	8,608743333	-0,034923	0,976083855	Gak	
17394483	7,753879	7,645357	7,909574	7,717637	7,694374	7,792076	7,7696033	7,734695667	-0,03490767	0,976094229	Zmynd8	
17414264	7,359209	7,034946	7,515543	7,175838	7,282767	7,346379	7,3032327	7,268328	-0,03490467	0,976096259	---	
17549502	6,556545	6,320092	6,51867	6,491315	6,326046	6,473237	6,4651023	6,430199333	-0,034903	0,976097387	---	
17549654	6,556545	6,320092	6,51867	6,491315	6,326046	6,473237	6,4651023	6,430199333	-0,034903	0,976097387	---	
17289396	6,37335	6,431375	6,316831	6,322075	6,367162	6,327652	6,373852	6,338963	-0,034889	0,976106859	Ankra2	
17459377	4,162251	4,286771	4,062661	4,52107	3,889146	3,996832	4,170561	4,135682667	-0,03487833	0,976114076	---	
17422587	8,991928	9,034496	9,010719	8,92563	9,035134	8,97181	9,012381	8,977524667	-0,03485633	0,976128961	Nadk	
17204563	4,796741	3,153102	3,474159	4,696836	3,176989	3,445659	3,8080007	3,773161333	-0,03483933	0,976140463	---	
17466723	5,907828	5,880129	5,889117	5,709772	5,922393	5,940452	5,892358	5,857539	-0,034819	0,976154221	Cycs	
17529231	9,492678	9,53511	9,525656	9,441488	9,519533	9,487985	9,5178147	9,483002	-0,03481267	0,976158506	Phip	
17445624	11,5186	11,52496	11,40914	11,27794	11,48308	11,58728	11,484233	11,44943333	-0,0348	0,976167077	Cycs // Cycs	
17346062	6,258264	6,777249	6,148995	6,416203	6,508637	6,155311	6,394836	6,360050333	-0,03478567	0,976176775	Zfp119a	
17509379	10,13937	10,06687	9,925707	9,941404	10,02403	10,06217	10,043982	10,00920133	-0,034781	0,976179933	Spcs3	
17266773	4,858045	4,806534	4,903334	4,692192	4,832285	4,939102	4,855971	4,821193	-0,034778	0,976181963	Cct6b	
17254537	8,936885	8,835969	8,928874	8,721084	8,928588	8,947742	8,900576	8,865804667	-0,03477133	0,976186474	Ppm1d	
17344653	4,681607	4,854614	4,880529	4,884679	4,728768	4,699009	4,8055833	4,770818667	-0,03476467	0,976190985	Gm7030	
17473539	6,866883	6,957581	7,092177	7,021341	6,882621	6,908446	6,9722137	6,937469333	-0,03474433	0,976204743	Zfp444	
17205591	4,294878	4,387035	4,168178	4,330856	4,607533	3,807486	4,2833637	4,248625	-0,03473867	0,976208578	---	
17236132	8,142514	8,25092	8,10705	7,959066	8,273142	8,164069	8,166828	8,132092333	-0,03473567	0,976210608	Pwp1	
17424631	12,58847	12,65933	12,71487	12,59698	12,63381	12,62768	12,654223	12,61949	-0,03473333	0,976212186	Rmrp	
17480044	6,123747	5,775214	5,725124	5,881956	5,697408	5,940607	5,874695	5,839990333	-0,03470467	0,976231584	Prss23 // Prss23	
17337024	7,427703	7,29755	7,283245	7,169876	7,428213	7,306304	7,336166	7,301464333	-0,03470167	0,976233614	Ltb	
17277871	4,117906	4,101869	4,214888	3,980386	4,129159	4,221097	4,1448877	4,110214	-0,03467367	0,976252561	---	
17207197	3,821234	3,50655	3,275287	3,259612	3,373955	3,865523	3,534357	3,499696667	-0,03466033	0,976261584	---	
17412282	5,51531	5,642973	5,302856	5,371119	5,677307	5,308822	5,4870463	5,452416	-0,03463033	0,976281885	Gpr63	
17528586	10,56255	10,52983	10,564	10,52121	10,37156	10,65972	10,552127	10,51749667	-0,03463	0,97628211	Ccnb2	
17378628	7,143452	6,955651	6,758582	6,840099	6,968987	6,944724	6,9525617	6,917936667	-0,034625	0,976285494	0610011L14Rik	
17406745	7,367112	7,640184	7,162776	7,285084	7,501155	7,279974	7,390024	7,355404333	-0,03461967	0,976289103	Pmf1	
17516217	4,014621	3,564593	4,018951	3,795358	3,85278	3,846193	3,866055	3,831443667	-0,03461133	0,976294742	Olfr920	
17408625	6,879295	6,917273	6,886058	7,040713	6,824117	6,713981	6,8942087	6,859603667	-0,034605	0,976299028	Nr1h5	
17357044	7,140151	7,094917	7,059497	7,285244	6,945569	6,959946	7,0981883	7,063586333	-0,034602	0,976301058	2700081O15Rik	
17488094	4,228739	4,09943	4,24169	4,346689	4,335393	3,783979	4,189953	4,155353667	-0,03459933	0,976302863	Cyp2b23	
17484627	7,256808	7,305999	7,117577	7,192962	7,293376	7,090272	7,2267947	7,192203333	-0,03459133	0,976308277	Ric8	
17550619	10,49335	10,52276	10,38772	10,36516	10,55144	10,38347	10,467943	10,43335667	-0,03458667	0,976311435	---	
17466503	3,035696	2,910178	2,917718	2,886217	2,908624	2,964995	2,9545307	2,919945333	-0,03458533	0,976312337	---	
17511241	7,916099	8,139235	8,178774	8,080052	8,216581	7,833736	8,078036	8,043456333	-0,03457967	0,976316172	Rnaseh2a	
17538109	7,951279	8,156356	7,730113	7,915314	7,918555	7,900179	7,945916	7,911349333	-0,03456667	0,976324969	Tbc1d8b	
17204221	5,555206	4,877184	6,687681	5,929936	5,728943	5,357509	5,7066903	5,672129333	-0,034561	0,976328804	---	
17239744	12,36645	12,43851	12,54334	12,45494	12,49975	12,28993	12,449433	12,41487333	-0,03456	0,976329481	Rps12	
17351471	5,81971	5,720862	5,877041	5,504207	5,893585	5,916143	5,805871	5,771311667	-0,03455933	0,976329932	---	
17510922	7,633062	7,711973	7,755443	7,665613	7,74478	7,586434	7,7001593	7,665609	-0,03455033	0,976336023	Ptger1	
17213990	8,525748	8,50399	8,41767	8,393162	8,538019	8,412589	8,4824693	8,447923333	-0,034546	0,976338955	Atic	
17352366	8,014419	8,139164	8,079157	8,148305	7,903524	8,077309	8,07758	8,043046	-0,034534	0,976347076	---	
17476011	6,152973	5,912816	6,034338	6,019245	6,044948	5,932363	6,0333757	5,998852	-0,03452367	0,97635407	Capn12	
17414068	8,494375	8,686704	8,59964	8,613517	8,579231	8,484403	8,593573	8,559050333	-0,03452267	0,976354746	Rnf20	
17205193	3,934276	3,769098	4,534029	4,066177	4,350245	3,717418	4,0791343	4,044613333	-0,034521	0,976355874	---	
17209383	3,934276	3,769098	4,534029	4,066177	4,350245	3,717418	4,0791343	4,044613333	-0,034521	0,976355874	---	
17201851	9,449538	8,745274	9,44126	9,157716	9,335439	9,039435	9,212024	9,17753	-0,034494	0,976374147	---	
17547787	11,74884	11,70414	11,64604	11,58925	11,67209	11,73425	11,699673	11,66519667	-0,03447667	0,976385878	Hmgb1 // Hmgb1	
17300349	6,46062	6,401443	6,751844	6,601159	6,339553	6,569776	6,537969	6,503496	-0,034473	0,976388359	Bcl2l2	
17423622	8,507404	8,448703	8,294209	8,376709	8,201769	8,568586	8,416772	8,382354667	-0,03441733	0,976426034	2610029I01Rik	
17380875	4,111141	4,342065	4,791643	4,237957	4,571669	4,331986	4,4149497	4,380537333	-0,03441233	0,976429418	---	
17205909	5,338519	5,217572	5,370859	5,699906	5,140767	4,983068	5,3089833	5,274580333	-0,034403	0,976435735	---	
17418035	7,776312	7,982187	7,948507	7,955507	7,928736	7,719648	7,9023353	7,867963667	-0,03437167	0,976456942	Cited4	
17512088	8,096607	8,014722	7,973678	7,961519	7,870907	8,149514	8,0283357	7,99398	-0,03435567	0,976467771	Slc38a7	
17436438	6,156205	6,235531	6,446434	6,326935	6,121401	6,28678	6,27939	6,245038667	-0,03435133	0,976470704	4933407H18Rik	
17252289	6,027033	5,823876	5,979448	5,71703	6,087888	5,92239	5,9434523	5,909102667	-0,03434967	0,976471832	---	
17538658	4,141733	4,291349	4,248039	4,036522	4,209891	4,331772	4,2270403	4,192728333	-0,034312	0,976497327	Wnk3-ps	
17470150	8,479027	8,808862	8,564312	8,566573	8,63098	8,551725	8,6174003	8,583092667	-0,03430767	0,97650026	Bms1	
17321780	7,002787	6,757386	6,866724	6,876832	6,939248	6,707902	6,8756323	6,841327333	-0,034305	0,976502065	Cela1	
17548262	10,68291	10,92196	10,83855	10,77373	10,69837	10,86842	10,814473	10,78017333	-0,0343	0,976505449	---	
17394349	7,076982	7,131367	7,105329	6,964111	7,117749	7,128956	7,1045593	7,070272	-0,03428733	0,976514023	Ncoa5	
17405513	9,512843	9,531238	9,593136	9,555548	9,563303	9,415504	9,545739	9,511451667	-0,03428733	0,976514023	Dhx36	
17444785	5,235106	5,003985	4,883372	5,027316	5,053295	4,938996	5,040821	5,006535667	-0,03428533	0,976515377	Gm3404	
17361833	8,35984	8,344211	8,333737	8,259606	8,3564	8,318978	8,3459293	8,311661333	-0,034268	0,976527109	Dpf2	
17349223	8,743515	8,720717	8,630594	8,638751	8,68185	8,671458	8,6982753	8,664019667	-0,03425567	0,976535457	Iws1	
17316434	3,058277	3,129349	3,081503	3,019767	3,129242	3,017385	3,0897097	3,055464667	-0,034245	0,976542677	Mir875	
17266264	9,378381	9,521963	9,258832	9,280087	9,402532	9,373887	9,386392	9,352168667	-0,03422333	0,976557343	Taok1	
17376618	5,230326	5,074842	5,156172	5,212123	5,156172	4,99042	5,15378	5,119571667	-0,03420833	0,976567497	Chgb	
17549484	6,428084	6,591108	6,497476	6,468842	6,444385	6,500857	6,505556	6,471361333	-0,03419467	0,976576748	---	
17549632	6,428084	6,591108	6,497476	6,468842	6,444385	6,500857	6,505556	6,471361333	-0,03419467	0,976576748	---	
17417812	5,345284	4,673513	5,001756	5,120409	4,934465	4,863128	5,006851	4,972667333	-0,03418367	0,976584194	Olfr62	
17241162	8,850567	8,882505	8,796734	8,627598	8,982483	8,817175	8,8432687	8,809085333	-0,03418333	0,97658442	Sgpl1	
17509125	3,324045	3,185988	3,218602	3,293833	3,141979	3,190283	3,2428783	3,208698333	-0,03418	0,976586676	---	
17239753	13,38279	13,43176	13,5037	13,45131	13,44885	13,31555	13,439417	13,40523667	-0,03418	0,976586676	---	
17348238	8,700546	8,922033	8,508028	8,614235	8,641084	8,77275	8,7102023	8,676023	-0,03417933	0,976587127	Rab18	
17550528	13,78187	13,78703	13,74336	13,68333	13,72543	13,80099	13,770753	13,73658333	-0,03417	0,976593445	---	
17481863	7,124114	7,049712	6,937377	7,022796	7,022428	6,963482	7,0370677	7,002902	-0,03416567	0,976596379	Mical2	
17315686	4,702436	4,632255	4,6573	4,493686	4,816219	4,579598	4,663997	4,629834333	-0,03416267	0,976598409	C7	
17298866	5,580161	5,610309	5,518788	5,429228	5,611655	5,565927	5,5697527	5,535603333	-0,03414933	0,976607435	---	
17522848	8,646886	8,614753	8,591975	8,513439	8,642564	8,595177	8,6178713	8,583726667	-0,03414467	0,976610594	Azi2	
17455936	4,697471	4,894536	4,981073	4,696836	4,957146	4,816685	4,8576933	4,823555667	-0,03413767	0,976615333	Dlx6	
17358552	5,430909	5,250827	5,303111	5,316676	5,354237	5,211525	5,3282823	5,294146	-0,03413633	0,976616235	Pdcd1lg2	
17517424	9,407134	9,428674	9,325631	9,382005	9,379995	9,297044	9,3871463	9,353014667	-0,03413167	0,976619394	Ireb2	
17236531	9,395716	9,530851	9,340277	9,378417	9,427307	9,358747	9,4222813	9,388157	-0,03412433	0,976624359	Lta4h	
17273086	9,661226	9,757137	9,561188	9,699271	9,521194	9,658735	9,6598503	9,625733333	-0,034117	0,976629323	Nploc4	
17332341	8,324911	8,376715	8,546335	8,283244	8,305781	8,556589	8,415987	8,38187133	-0,03411567	0,976630225	---	
17204851	3,747542	4,695233	4,218037	3,854134	4,419631	4,284729	4,2202707	4,186164667	-0,034106	0,976636769	---	
17290363	7,56014	7,676289	7,572875	7,551929	7,592949	7,562146	7,6031013	7,569008	-0,03409333	0,976645344	Wdr37	
17536312	8,038698	7,816057	7,843651	7,751099	7,788738	8,056311	7,8994687	7,865382667	-0,034086	0,976650308	Apoo	
17420134	4,912765	4,643078	5,032991	4,834972	5,118673	4,532957	4,8629447	4,828867333	-0,03407733	0,976656175	4930549C01Rik	
17472114	10,21836	10,15293	10,11157	10,02637	10,22885	10,12541	10,160953	10,12687667	-0,03407667	0,976656627	Plbd1	
17278916	6,345443	5,997494	6,300827	6,298349	6,267233	5,975954	6,214588	6,180512	-0,034076	0,976657078	B930059L03Rik	
17365718	5,394323	5,446416	5,473344	5,43751	5,41245	5,361984	5,4380277	5,403981333	-0,03404633	0,976677162	---	
17249780	10,24729	10,24041	10,17264	10,18447	10,18633	10,18742	10,220113	10,18607333	-0,03404	0,976681449	Hint1	
17502462	5,078393	4,984569	5,211027	5,059562	4,98041	5,131901	5,0913297	5,057291	-0,03403867	0,976682352	Tmem38a	
17237217	11,38311	11,545	11,39022	11,37125	11,40368	11,4413	11,439443	11,40541	-0,03403333	0,976685962	Gm5428	
17249409	7,523967	7,419469	7,406126	7,373963	7,424896	7,448628	7,449854	7,415829	-0,034025	0,976691604	Ppp2ca	
17216779	7,473668	7,349384	7,128891	6,978264	7,327049	7,544594	7,3173143	7,283302333	-0,034012	0,976700405	Acmsd	
17502168	9,186817	9,181049	9,248655	9,208826	9,151455	9,154277	9,205507	9,171519333	-0,03398767	0,976716879	5430437P03Rik	
17366778	5,843795	5,562165	5,373533	5,924083	5,348253	5,405214	5,5931643	5,559183333	-0,033981	0,976721392	Mir669k	
17390738	4,609405	4,645779	4,891336	4,638449	4,64816	4,757975	4,7155067	4,681528	-0,03397867	0,976722972	Duox2	
17407775	5,531778	5,755546	5,607139	5,490609	5,74466	5,557261	5,6314877	5,59751	-0,03397767	0,976723649	Anxa9	
17431720	7,459686	7,423409	7,447757	7,330352	7,483985	7,4146	7,4436173	7,409645667	-0,03397167	0,976727711	Alpl	
17420895	6,551007	6,148242	6,365283	6,399206	6,110224	6,453216	6,354844	6,320882	-0,033962	0,976734255	---	
17234508	5,480333	5,126882	5,881122	5,501613	5,518022	5,366836	5,4961123	5,462157	-0,03395533	0,976738769	2610028H24Rik	
17356369	6,727133	6,90177	6,859732	6,849857	6,775074	6,761841	6,829545	6,795590667	-0,03395433	0,976739446	Cd248	
17450098	8,647182	8,505898	8,548244	8,555246	8,561283	8,482933	8,567108	8,533154	-0,033954	0,976739672	Lin54	
17542408	6,041868	5,904787	5,721941	5,707941	5,925562	5,933401	5,889532	5,855634667	-0,03389733	0,976778037	Pdzd4	
17524523	10,09516	10,25822	10,12205	10,10949	10,17477	10,08951	10,158477	10,12459	-0,03388667	0,976785259	Eif3g	
17206837	3,101036	3,571645	2,939525	2,882753	3,551558	3,076242	3,2040687	3,170184333	-0,03388433	0,976786839	---	

17417117	8,47963	8,480839	8,492939	8,488582	8,461246	8,40193	8,4844693	8,450586	-0,03388333	0,976787516	Stil	
17405067	6,661528	7,249105	6,929273	7,057235	6,984331	6,696712	6,9466353	6,912759333	-0,033876	0,976792481	Gm7977	// Gm7977
17266498	8,511859	8,397335	8,230593	8,283462	8,490774	8,263968	8,379929	8,346068	-0,033861	0,976802637	Nlk	
17517289	5,345266	5,054011	5,04994	5,23562	5,177355	4,934697	5,149739	5,115890667	-0,03384833	0,976811213	Exph5	
17548456	8,044057	8,146907	8,051249	7,91494	8,04261	8,183128	8,0807377	8,046892667	-0,033845	0,97681347	Pa2g4	
17547548	4,738389	4,939946	4,703512	4,688871	4,846432	4,745017	4,793949	4,760106667	-0,03384233	0,976815276	Gm19688	
17494710	3,287359	3,099277	3,015572	3,037313	3,280929	2,982452	3,1340693	3,100231333	-0,033838	0,97681821	Olfr707	
17537883	4,627694	4,102663	4,038121	4,016246	4,738469	3,91226	4,2561593	4,222325	-0,03383433	0,976820692	Tceal7	
17209797	3,457797	3,238558	3,169231	3,363894	3,201507	3,198697	3,2885287	3,254699333	-0,03382933	0,976824078	---	
17545045	6,886441	6,758804	7,217843	6,972039	6,805983	6,983615	6,9543627	6,920545667	-0,033817	0,976832428	Kcne1l	
17330373	7,721241	7,9209	7,870743	7,856984	8,017689	7,53677	7,837628	7,803814333	-0,03381367	0,976834685	Adprh	
17200773	6,343692	6,937875	6,261029	6,679047	6,176604	6,585536	6,5141987	6,480395667	-0,033803	0,976841908	---	
17316415	8,93544	9,166118	9,098251	9,132441	8,979247	8,986742	9,066603	9,03281	-0,033793	0,976848679	Stk3	
17229282	7,894401	8,046489	7,831409	7,890494	7,890135	7,890306	7,9240997	7,890311667	-0,033788	0,976852064	Pou2f1	
17299991	3,057745	3,283536	2,951163	3,04517	3,014078	3,131895	3,0974813	3,063714333	-0,033767	0,976866283	Trav7-4	// Trav7-4
17232521	8,707256	8,644424	8,60994	8,641762	8,64404	8,574554	8,6538733	8,620118667	-0,03375467	0,976874634	Tspyl1	
17520599	4,196521	4,361839	4,453892	4,354311	4,310122	4,246646	4,3374173	4,303693	-0,03372433	0,976895174	---	
17282363	4,746253	4,21551	4,464584	4,596887	4,479667	4,248622	4,475449	4,441725333	-0,03372367	0,976895625	Adam21	
17514824	6,719001	6,700013	6,218968	6,510695	6,533268	6,49286	6,545994	6,512274333	-0,03371967	0,976898334	Taf1d	
17515577	9,757786	9,737192	9,738518	9,761281	9,660033	9,711033	9,7444987	9,710782333	-0,03371633	0,976900591	Ncapd3	
17525797	3,581623	3,730329	4,137929	3,842534	3,744872	3,761345	3,816627	3,782917	-0,03371	0,976904879	Olfr984	
17400885	7,061053	7,143238	6,916497	7,099728	6,976033	6,943948	7,0402627	7,006569667	-0,033693	0,976916391	Wars2	
17497359	5,795676	5,688834	5,682705	5,590553	5,987488	5,488099	5,722405	5,688713333	-0,03369167	0,976917294	Gm6249	
17527261	6,787059	6,706793	6,828376	6,87154	6,690716	6,658915	6,774076	6,740390333	-0,03368567	0,976921357	Clb2	
17466488	7,239121	7,005353	7,051535	6,96991	7,161023	7,064034	7,0986697	7,064989	-0,03368067	0,976924742	Tpk1	
17262926	4,808218	4,839928	4,672981	4,790599	4,685778	4,74373	4,773709	4,740035667	-0,03367333	0,976929708	Slc36a3	
17223509	5,095482	5,006927	5,254319	5,046394	5,20817	5,001199	5,1189093	5,085254333	-0,033655	0,97694123	Mpp4	
17220872	4,539202	4,589006	5,09977	4,576166	4,729752	4,82114	4,7426593	4,709019333	-0,03364	0,97695228	Rcor3	
17245152	8,917469	9,022061	8,834285	8,944754	8,844468	8,88368	8,924605	8,890967333	-0,03363767	0,97695386	Rab3ip	
17536450	8,103311	8,275641	8,09831	8,070812	8,260047	8,045503	8,1590873	8,125454	-0,03363333	0,976956795	Yipf6	
17546854	3,845255	4,121108	3,970835	4,050582	3,942562	3,843157	3,979066	3,945433667	-0,03363233	0,976957472	Usp9y	
17405686	3,467213	3,111879	3,815248	3,227019	3,705542	3,360891	3,46478	3,431150667	-0,03362933	0,976959504	---	
17387850	4,148127	3,800375	4,055351	4,172602	3,785796	3,944586	4,0012843	3,967661333	-0,033623	0,976963792	Olfr1198	
17399990	5,016939	5,116382	5,079475	5,029122	5,061954	5,020859	5,070932	5,037311667	-0,03362033	0,976965598	Tchhl1	
17328610	7,010849	7,407565	6,965323	7,08994	7,096705	7,09637	7,1279123	7,094338333	-0,033574	0,976996975	2610318N02Rik	
17426507	3,365209	3,622636	3,740328	3,621265	3,464252	3,541989	3,5760577	3,542502	-0,03355567	0,97700939	---	
17503505	3,553077	3,275699	3,474047	3,562943	3,11957	3,51965	3,4342743	3,400721	-0,03355333	0,97701097	---	
17288118	7,478778	7,578812	7,353883	7,375867	7,409081	7,525886	7,470491	7,436944667	-0,03354633	0,977015711	0610007P08Rik	
17434508	3,80696	3,904628	3,690618	3,901603	3,597386	3,802593	3,8007353	3,767194	-0,03354133	0,977019097	---	
17467241	3,429571	3,436045	3,37694	3,369336	3,436527	3,33608	3,4141853	3,380647667	-0,03353767	0,97702158	A530053G22Rik	
17335902	7,105072	7,126534	7,124569	7,095702	6,980009	7,179861	7,118725	7,085190667	-0,03353433	0,977023837	Rrp1b	
17322002	3,761071	3,681746	3,698237	3,660565	3,686023	3,693883	3,7136847	3,680157	-0,03352767	0,977028352	Krt72-ps	
17277550	4,201128	4,300093	4,52142	4,392067	4,279588	4,250405	4,3408803	4,307353333	-0,033527	0,977028804	---	
17233586	8,579662	8,510335	8,57407	8,472073	8,543279	8,548171	8,554689	8,521174333	-0,03351467	0,977037156	Dnajb12	
17391471	11,0765	11,09783	10,96315	11,03447	11,1852	10,81727	11,045827	11,01231333	-0,03351333	0,977038059	---	
17282563	9,977938	9,979485	9,985475	9,979687	9,98161	9,881071	9,980966	9,947456	-0,03351	0,977040317	Npc2	
17548664	4,149622	5,535322	4,829637	4,544201	4,807601	5,062279	4,8381937	4,804693667	-0,0335	0,977047089	Cln8	// Cln8
17538439	3,942686	3,831022	4,076016	3,864508	3,794019	4,090715	3,949908	3,916414	-0,033494	0,977051152	Mir448	
17403895	8,38361	8,410558	8,264878	8,266547	8,438585	8,253459	8,3530153	8,319530333	-0,033485	0,977057248	Lrrc40	
17476904	3,385122	3,170627	3,141025	3,167778	3,189692	3,238858	3,232258	3,198776	-0,033482	0,977059279	---	
17494772	4,120703	3,416522	3,305558	3,544708	3,494036	3,703598	3,614261	3,580780667	-0,03348033	0,977060408	Olfr470	
17416061	4,702857	4,669492	4,925553	4,867446	4,723324	4,606698	4,7659673	4,732489333	-0,033478	0,977061988	Sgip1	
17378017	4,96648	4,739729	5,120595	4,896865	4,614002	5,215547	4,942268	4,908804667	-0,03346333	0,977071921	Bpifb2	
17489801	8,356229	8,341922	8,04387	8,175303	8,102332	8,364004	8,2473403	8,213879667	-0,03346067	0,977073727	Nudt19	
17532564	4,698339	4,669384	4,778017	4,693383	4,516718	4,835259	4,7152467	4,681786667	-0,03346	0,977074179	Xcr1	
17254941	5,34607	4,799303	5,039231	4,942465	5,201855	4,94003	5,0615347	5,028116667	-0,033418	0,977102624	2210416O15Rik	
17402846	5,710975	5,363577	5,28174	5,39495	5,54915	5,31195	5,4520973	5,418683333	-0,033414	0,977105333	Bdh2	
17328080	4,509693	4,346502	4,245647	4,281844	4,214328	4,505457	4,3672807	4,333876333	-0,03340433	0,97711188	Fam18a	
17222988	8,360085	8,371037	8,376257	8,289598	8,372942	8,344636	8,3691263	8,335725333	-0,033401	0,977114138	Asnsd1	
17255427	6,76144	6,660887	7,307156	7,004638	6,637533	6,987182	6,9098277	6,876451	-0,03337667	0,977130619	Phb	
17502573	9,511271	9,894532	9,698098	9,543968	9,730374	9,729461	9,7013003	9,667934333	-0,033366	0,977137843	Hmox1	
17205961	4,353514	5,101313	5,063842	4,812348	5,071564	4,534669	4,8395563	4,806193667	-0,03336267	0,977140101	---	
17297385	3,570469	3,513932	3,784208	3,642371	3,576427	3,549766	3,6228697	3,589521333	-0,03334833	0,977149809	---	
17548354	9,733145	9,611065	9,443766	9,465412	9,521704	9,700882	9,595992	9,562666	-0,033326	0,977164935	Llph	// Llph
17548424	4,359522	4,377725	4,443515	4,321205	4,2378	4,521785	4,3935873	4,360263333	-0,033324	0,97716629	Gm19359	
17296998	6,629082	6,425972	5,972659	6,387503	6,24227	6,297985	6,342571	6,309252667	-0,03331833	0,977170128	---	
17376626	7,266747	7,53255	7,387385	7,33004	7,406096	7,350616	7,3955607	7,362250667	-0,03331	0,977175773	Mcm8	
17357849	2,858773	3,002735	2,955496	2,929314	2,812525	2,97531	2,9390013	2,905716333	-0,033285	0,977192706	---	
17248424	3,720127	4,627344	3,833384	4,229538	4,207711	3,643765	4,060285	4,027004667	-0,03328033	0,977195867	---	
17283668	4,814289	4,531831	4,612176	4,54735	4,691545	4,619568	4,6527653	4,619487667	-0,03327767	0,977197673	Serpina12	
17252231	9,117247	9,230067	9,191865	9,112984	9,10775	9,218624	9,1797263	9,146452667	-0,03327367	0,977200382	Rabep1	
17374332	5,932809	6,110341	5,923963	6,049613	5,871879	5,94581	5,9890377	5,955767333	-0,03327033	0,97720264	Fmn1	
17248557	3,630879	3,31614	3,436789	3,395604	3,55402	3,334412	3,4612693	3,428012	-0,03325733	0,977211446	---	
17229752	5,218901	5,426235	5,276731	5,231341	5,386796	5,203959	5,307289	5,274032	-0,033257	0,977211672	Alyref2	// Alyref2
17200557	5,720324	5,596708	5,775336	5,864915	5,870725	5,256963	5,697456	5,664201	-0,033255	0,977213026	---	
17539979	5,140775	5,022344	4,599496	4,325995	4,994439	5,342419	4,9208717	4,887617667	-0,033254	0,977213704	Glod5	
17491517	3,000111	3,105469	3,210231	3,105126	3,130959	2,979975	3,1052703	3,07202	-0,03325033	0,977216187	---	
17491519	3,000111	3,105469	3,210231	3,105126	3,130959	2,979975	3,1052703	3,07202	-0,03325033	0,977216187	---	
17355364	10,81123	11,09967	11,12933	10,9732	10,96836	10,99894	11,01341	10,98016667	-0,03324333	0,977220929	---	
17357236	8,087731	8,025011	8,254095	8,119274	8,093234	8,054626	8,122279	8,089044667	-0,03323433	0,977227025	Bscl2	
17299855	4,26398	4,023594	4,13463	4,090295	4,125918	4,106301	4,1407347	4,107504667	-0,03323	0,97722996	---	
17299932	4,26398	4,023594	4,13463	4,090295	4,125918	4,106301	4,1407347	4,107504667	-0,03323	0,97722996	---	
17336536	4,216759	3,880693	4,016294	4,102293	4,028577	3,883186	4,0379153	4,004685333	-0,03323	0,97722996	BC051142	
17362022	3,499301	3,642262	3,40672	3,179951	3,520426	3,748219	3,5160943	3,482865333	-0,033229	0,977230638	---	
17262428	5,884954	5,938155	5,858483	5,820386	5,822607	5,938943	5,893864	5,860645333	-0,03321867	0,977237637	Zfp2	
17396504	3,644242	3,617275	3,583886	3,51169	3,709873	3,524212	3,6151343	3,581925	-0,03320933	0,977243959	Gm1527	
17263164	3,525252	3,420547	3,295994	3,744391	3,419159	2,978631	3,413931	3,380727	-0,033204	0,977247572	Olfr329-ps	// Olfr328
17299862	4,17547	3,981104	4,003326	4,116324	4,020898	3,923079	4,0533	4,020100333	-0,03319967	0,977250507	---	
17299939	4,17547	3,981104	4,003326	4,116324	4,020898	3,923079	4,0533	4,020100333	-0,03319967	0,977250507	---	
17550550	13,9108	13,99841	13,93036	13,85609	13,89998	13,98397	13,946523	13,91334667	-0,03317667	0,977266087	---	
17484271	7,087653	7,21151	7,103158	7,010843	7,124797	7,167174	7,134107	7,100938	-0,033169	0,97727128	Mgmt	
17473300	5,010776	5,122547	5,004849	4,921068	4,862258	5,255364	5,0460573	5,012896667	-0,03316067	0,977276925	Ncr1	
17298324	9,648378	9,797648	9,651995	9,726961	9,542501	9,729097	9,6993403	9,666186333	-0,033154	0,977281441	Pbrm1	
17222880	8,62089	8,887821	8,829981	8,755014	8,667935	8,816282	8,779564	8,746410333	-0,03315367	0,977281667	Gls	
17515539	6,731474	6,768786	6,764544	6,52736	6,902021	6,736011	6,7549347	6,721797333	-0,03313733	0,977292731	Eepd1	
17227822	2,965533	2,891009	3,127736	2,870208	2,978226	3,036445	2,9947593	2,961626333	-0,033133	0,977295667	---	
17380741	11,06297	11,00142	11,22009	11,05988	11,12971	10,99552	11,094827	11,06170333	-0,03312333	0,977302215	Rps21	
17245223	11,61448	11,69233	11,72741	11,62736	11,75569	11,5518	11,678073	11,64495	-0,03312333	0,977302215	Lyz2	
17409955	4,562053	4,195334	4,129591	4,355818	4,156731	4,275083	4,2956593	4,262544	-0,03311533	0,977307634	Gm17494	
17537388	5,049577	4,599893	4,794018	4,807089	4,834149	4,702909	4,814496	4,781382333	-0,03311367	0,977308763	---	
17276297	4,903054	5,231076	5,091129	4,947313	5,036962	5,141669	5,0750863	5,041981333	-0,033105	0,977314634	2210039B01Rik	
17373328	9,705118	9,710412	9,702156	9,685122	9,675037	9,658248	9,7058953	9,672802333	-0,033093	0,977322764	Ckap5	
17528175	7,61977	7,624124	7,44729	7,310479	7,564622	7,716886	7,563728	7,530662333	-0,03306567	0,97734128	Dis3l	
17361971	6,398695	6,631254	6,902224	6,831459	6,26686	6,734658	6,6440577	6,610992333	-0,03306533	0,977341506	Sac3d1	
17268376	5,595065	5,63732	5,794302	5,391104	5,899103	5,63732	5,6755623	5,642509	-0,03305333	0,977349635	---	
17279546	4,696667	4,40832	4,72251	4,616896	4,595531	4,515925	4,6091657	4,576117333	-0,03304833	0,977353022	---	
17319607	8,672478	8,487947	8,425382	8,403751	8,577957	8,50496	8,5286023	8,495556	-0,03304633	0,977354377	Naga	
17456900	4,42706	4,518424	4,382739	4,405301	4,341336	4,482515	4,442741	4,409717333	-0,03302367	0,977369733	Cpa5	
17339013	8,223302	8,469246	8,311228	8,064728	8,507698	8,332317	8,334592	8,301581	-0,033011	0,977378314	Emr1	
17303655	7,221451	7,095573	7,322587	7,369555	7,055439	7,115662	7,2132037	7,180218667	-0,032985	0,977395929	Ube2e2	
17236752	4,863433	4,918433	5,268514	4,979498	5,158358	4,813606	5,0167933	4,983820667	-0,03297267	0,977404284	---	
17550629	7,657879	7,720814	7,86343	7,685846	7,778254	7,679109	7,7473743	7,7144 03	-0,03297133	0,977405187	---	
17384693	10,05209	10,10457	10,16163	10,05452	10,11052	10,05435	10,106097	10,07313	-0,03296667	0,977408349	Psmb7	
17301113	4,478603	4,381656	4,324378	4,301307	4,403042	4,381394	4,394879	4,361914333	-0,03296467	0,977409704	4930556J02Rik	// 4930556J02Rik
17202357	5,81858	5,741677	6,109887	5,863937	6,018349	5,688977	5,890048	5,857087667	-0,03296033	0,97741264	---	
17286208	3,091222	3,413515	3,375834	3,153102	3,453243	3,175365	3,2935237	3,26057	-0,03295367	0,977417156	---	
17347990	4,155985	3,871425	3,889484	3,87977	4,165556	3,772723	3,972298	3,939349667	-0,03294833	0,97742077	Lhcgr	
17547618	6,227462	5,989098	5,95918	6,284431	5,700442	6,09203	6,05858	6,025634333	-0,03294567	0,977422576	Gm20157	
17340458	4,960537	4,688921	4,635164	4,786653	4,630227	4,768908	4,7615407	4,728596	-0,03294467	0,977423254	Nox3	
17351878	6,302771	6,320058	6,32063	6,106566	6,488218	6,249857	6,3144863	6,281547	-0,03293933	0,977426867	Zbtb7c	
17236102	5,041409	5,065164	5,050972	4,962307	4,941986	5,154441	5,052515	5,019578	-0,032937	0,977428448	Btbd11	
17405677	6,635011	6,43911	6,338648	6,427931	6,551306	6,334725	6,470923	6,437987333	-0,03293567	0,977429351	4931440P22Rik	
17482218	5,400936	5,35982	5,531044	5,457143	5,389267	5,346587	5,4306	5,397665667	-0,03293433	0,977430255	Iqck	
17485419	3,426447	3,332766	3,329683	3,276662	3,305353	3,408087	3,3629653	3,330034	-0,03293133	0,977432287	Mir3105	// Mir3105
17507701	4,965026	4,813063	4,969899	4,69546	4,777099	5,176646	4,915996	4,883068333	-0,03292767	0,977434771	BB014433	
17511567	6,761863	6,498415	6,650079	6,626799	6,612876	6,57195	6,6367857	6,603875	-0,03291067	0,977446289	Aktip	
17225134	4,699183	4,477304	4,885624	4,600961	4,957437	4,404984	4,6873703	4,654460667	-0,03290967	0,977446967	Gpr55	
17206573	3,727411	3,96194	3,46261	3,96375	3,39195	3,69758	3,7173203	3,684426667	-0,03289367	0,977457807	---	
17548092	5,851479	5,775345	5,951559	6,077036	5,933425	5,469244	5,859461	5,826568333	-0,03289267	0,977458484	Gm19578	
17415407	3,817541	3,673876	3,865256	3,889182	3,833129	3,535702	3,7855577	3,752671	-0,03288667	0,97746255	---	
17231473	6,647407	6,69697	6,697846	6,654875	6,638692	6,650034	6,680741	6,647867	-0,032874	0,977471132	---	
17545106	9,760728	9,675741	9,372519	9,624626	9,424725	9,661053	9,602996	9,570134667	-0,03286133	0,977479714	Capn6	
17316290	6,029405	5,898879	5,586881	5,881576	5,551209	5,983808	5,8383883	5,805531	-0,03285733	0,977482424	Ropn1l	
17256262	4,891385	4,595731	5,040438	4,713287	5,364778	4,350966	4,842518	4,809677	-0,032841	0,97749349	---	

17315656	4,405714	4,276021	4,378324	4,312744	4,357195	4,291615	4,353353	4,320518	-0,032835	0,977497556	---	
17548877	4,740814	4,601271	4,700458	4,804324	4,428348	4,711409	4,6808477	4,648027	-0,03282067	0,977507267	Gm14920	
17436244	3,3283	3,739562	3,844391	3,609703	3,33429	3,869942	3,6374177	3,604645	-0,03277267	0,977539791	---	
17410067	4,867813	4,913304	5,002153	4,845807	5,0823	4,756848	4,9277567	4,894985	-0,03277167	0,977540468	Ndst3	
17359045	7,558959	7,658847	7,381226	7,341199	7,472347	7,687177	7,5330107	7,500241	-0,03276967	0,977541823	Hhex	
17306860	10,58794	10,61795	10,45449	10,57438	10,4879	10,49984	10,55346	10,52070667	-0,03275333	0,977552891	---	
17258876	5,61601	5,398866	5,717412	5,558065	5,604705	5,471357	5,5774293	5,544709	-0,03272033	0,977575251	Tmem235	
17548551	5,451768	5,259352	5,291806	5,343643	5,41645	5,144677	5,3343087	5,30159	-0,03271867	0,977576381	---	
17545480	3,002421	2,9364	2,984365	2,826591	3,057561	2,941005	2,9743953	2,941719	-0,03267633	0,977605066	---	
17349465	7,491031	7,623938	7,673623	7,719993	7,451878	7,518762	7,5961973	7,563544333	-0,032653	0,977620878	Fam53c	
17500468	9,371295	9,359537	9,323765	9,276142	9,361405	9,319102	9,3515323	9,318883	-0,03264933	0,977623362	Ppp2cb	
17516176	3,723408	3,439177	3,410111	3,53073	3,416292	3,527744	3,524232	3,491588667	-0,03264333	0,977627428	Olfr907	
17372874	3,27922	2,91535	3,182524	3,107845	3,005877	3,165463	3,125698	3,093061667	-0,03263633	0,977632172	Olfr1131	
17513176	9,437535	9,363204	9,284547	9,382557	9,247711	9,357131	9,361762	9,329133	-0,032629	0,977637141	Tmem170	
17201731	6,132059	5,941218	6,56023	6,401483	6,564305	5,569867	6,211169	6,178551667	-0,03261733	0,977645047	---	
17201907	6,132059	5,941218	6,56023	6,401483	6,564305	5,569867	6,211169	6,178551667	-0,03261733	0,977645047	---	
17544025	4,347144	4,044077	4,10888	4,109698	4,19317	4,099416	4,1667003	4,134094667	-0,03260567	0,977652953	Fndc3c1	
17360800	4,394635	4,56822	4,506628	4,40782	4,400702	4,563144	4,4898277	4,457222	-0,03260567	0,977652953	Eno4	
17415529	4,796095	4,918256	4,658501	4,486102	4,74478	5,04417	4,7909507	4,758350667	-0,0326	0,977656793	---	
17230252	5,878218	5,913072	5,871891	5,890343	6,175366	5,49968	5,887727	5,855129667	-0,03259733	0,9776586	2310043L19Rik	
17545017	4,480592	4,476957	4,518441	4,452782	4,409376	4,516043	4,4919967	4,459400333	-0,03259633	0,977659278	Irs4	
17265710	7,200508	7,543656	7,567853	7,3586	7,556378	7,299259	7,437339	7,404745667	-0,03259333	0,977661311	Cyb5d2	
17514951	6,095778	5,903282	5,745422	6,148785	5,758863	5,7391	5,9148273	5,882249333	-0,032578	0,977671701	Olfr859	
17374618	5,065975	4,807945	5,196172	5,018665	5,163972	4,789728	5,023364	4,990788333	-0,03257567	0,977673283	Disp2	
17385853	7,299201	7,139072	7,1919	7,214848	7,122603	7,195072	7,2100577	7,177507667	-0,03255	0,977690676	Grb14	
17420615	11,85764	12,09767	11,78867	11,72017	11,78857	12,13759	11,91466	11,88211	-0,03255	0,977690676	---	
17464040	6,743115	6,920734	6,63657	6,678273	6,844799	6,679733	6,7668063	6,734268333	-0,032538	0,977698809	Pde3a	
17497658	5,038406	5,131355	5,339856	5,067344	5,18463	5,160095	5,1698723	5,137356333	-0,032516	0,977713718	Syce1	
17391861	7,965694	8,013914	7,70187	7,915356	7,930396	7,738212	7,893826	7,861321333	-0,03250467	0,977721399	1700037H04Rik	
17358223	12,9378	13,00074	12,94949	12,92029	12,99488	12,87539	12,962677	12,93018667	-0,03249	0,977731338	---	
17399574	6,294399	6,394116	5,886075	5,958518	6,268325	6,250307	6,19153	6,15905	-0,03248	0,977738115	1700094D03Rik	
17291638	4,190418	4,145776	4,316773	4,139258	4,196267	4,220005	4,2176557	4,185176667	-0,032479	0,977738793	1700018A04Rik	
17464248	5,648063	5,526613	5,500606	5,386587	5,712503	5,478761	5,5584273	5,525950333	-0,032477	0,977740149	Gm15706	
17347631	3,103147	3,05304	3,264964	3,133834	3,396276	2,793626	3,1403837	3,107912	-0,03247167	0,977743763	---	
17521128	3,244755	3,003454	3,629546	3,385226	3,115163	3,279964	3,292585	3,260117667	-0,03246733	0,9777467	---	
17207803	6,460966	6,103975	6,18763	6,309175	5,989609	6,356404	6,250857	6,218396	-0,032461	0,977750992	---	
17296138	4,449215	4,43713	4,356779	4,248436	4,438276	4,459078	4,4143747	4,38193	-0,03244467	0,977762062	---	
17251617	4,023546	4,31951	4,070844	4,169031	4,170545	3,977089	4,1379667	4,105555	-0,03241167	0,977784427	Kcnab3	
17423597	4,729024	4,558117	4,999961	4,65116	4,832423	4,706295	4,7623673	4,729959333	-0,032408	0,977786912	4930598A11Rik	
17500367	3,350096	3,611686	3,458431	3,559083	3,416387	3,34757	3,4734043	3,441013333	-0,032391	0,977798434	Gm1698	
17232724	5,741824	5,821769	6,002269	5,868091	5,838396	5,762203	5,8552873	5,822896667	-0,03239067	0,97779866	4930547M16Rik	
17210359	6,208479	5,699205	6,246585	5,93937	6,116677	6,001064	6,051423	6,019037	-0,032386	0,977801823	---	
17533217	5,52761	5,342731	5,598948	5,462624	5,437444	5,472065	5,489763	5,457377667	-0,03238533	0,977802275	---	
17466921	6,942156	6,822839	6,730651	6,743311	6,722334	6,932895	6,831882	6,799513333	-0,03236867	0,977813571	Jazf1	
17215705	7,206433	7,361212	7,043887	6,930167	7,304625	7,279635	7,203844	7,171475667	-0,03236833	0,977813797	Ube2f	
17342803	4,98196	4,567342	4,732128	4,677965	4,863996	4,642413	4,7604767	4,728124667	-0,032352	0,977824867	---	
17440071	3,797601	3,737485	4,183794	4,012593	3,748734	3,860547	3,9062933	3,873958	-0,03233533	0,977836163	1700028K03Rik	
17520490	5,457766	4,847753	4,92985	5,341874	4,971517	4,825075	5,0784563	5,046155333	-0,032301	0,977859434	---	
17549294	2,774542	3,266664	2,979285	3,230292	2,786392	2,906913	3,0068303	2,974532333	-0,032298	0,977861468	---	
17533219	6,892282	6,916567	6,894507	6,830361	6,932173	6,843966	6,9011187	6,868833333	-0,03228533	0,977870053	Gm14501	
17501755	5,54629	5,162926	5,705055	5,530505	5,399874	5,387037	5,4714237	5,439138667	-0,032285	0,977870279	Pbx4	
17279155	10,46944	10,80081	10,61096	10,52775	10,47389	10,78274	10,62707	10,59479333	-0,03227667	0,977875927	---	
17370371	4,842871	4,807257	4,714362	4,979047	4,572788	4,715829	4,7881633	4,755888	-0,03227533	0,977876831	Olfr366	
17224320	6,502198	6,779355	6,700135	6,748393	6,595078	6,541397	6,6605627	6,628289333	-0,03227333	0,977878187	Zfp142	
17533812	4,987888	3,947842	4,709158	5,00651	3,95425	4,587333	4,548296	4,516031	-0,032265	0,977883835	E330010L02Rik	
17321179	4,032003	3,792629	4,504904	4,235944	4,058647	3,938158	4,1098453	4,077583	-0,03226233	0,977885643	Olfr288	
17516030	8,549687	8,113876	8,167645	8,265414	8,24041	8,228656	8,2770693	8,244826667	-0,03224267	0,977898973	Tmem218	
17205881	4,585222	4,939613	4,698786	5,065073	4,455757	4,606075	4,741207	4,708968333	-0,03223867	0,977901685	---	
17448535	4,378106	4,395901	4,438723	4,247434	4,414997	4,453598	4,4042433	4,372009667	-0,03223367	0,977905074	Yipf7	
17312630	6,630491	6,746386	6,759955	6,605186	6,893055	6,541931	6,7122773	6,680057333	-0,03222	0,977914338	1110038F14Rik	
17301534	3,181573	3,187624	3,497976	3,611188	3,026381	3,132961	3,2890577	3,256843333	-0,03221433	0,977918179	---	
17245917	5,920586	5,207416	5,6813	5,538251	5,82759	5,346833	5,6031007	5,570891333	-0,03220933	0,977921568	Nxph4	
17410472	4,775478	4,859574	4,823282	4,765496	4,684048	4,912195	4,8194447	4,787246333	-0,03219833	0,977929024	Arhgef38	
17396091	3,213301	3,190729	3,174627	3,243438	3,145226	3,093417	3,1928857	3,160693667	-0,032192	0,977933317	---	
17403490	7,39039	7,097511	7,198609	7,240408	7,166672	7,182919	7,2288367	7,196666333	-0,03217033	0,977948004	Mcoln2	
17378685	5,665361	5,237577	5,454094	5,579701	5,446078	5,234768	5,452344	5,420182333	-0,03216167	0,977953879	Gm1332	
17410343	8,366829	8,386867	8,329137	8,218153	8,454373	8,313847	8,3609443	8,328791	-0,03215333	0,977959528	Sec24b	
17418304	4,840919	5,139242	5,188653	5,079273	5,09803	4,895075	5,0562713	5,024126	-0,03214533	0,977964951	Mir697	
17244653	3,120711	3,08988	3,08393	3,108321	3,147168	2,942626	3,0981737	3,066038333	-0,03213533	0,97797173	---	
17348113	4,493998	4,251313	4,514176	4,251678	4,32232	4,589096	4,419829	4,387698	-0,032131	0,977974667	Lyzl1	
17388663	13,82648	13,72011	13,73211	13,78226	13,72377	13,6763	13,759567	13,72744333	-0,03212333	0,977979864	---	
17252013	7,851885	7,935526	7,792314	7,904771	7,842993	7,73561	7,8599083	7,827791333	-0,032117	0,977984157	Arrb2	
17450718	7,478254	7,362354	7,06695	7,185369	7,281847	7,344044	7,3025193	7,27042	-0,03209933	0,977996134	Fam69a	
17545051	9,027856	9,256277	8,975036	9,088019	8,97477	9,100096	9,0863897	9,054295	-0,03209467	0,977999297	Acsl4	
17532609	14,04376	14,07498	14,01579	13,97069	13,99847	14,06909	14,044843	14,01275	-0,03209333	0,978000201	---	
17529561	5,070288	5,182427	5,050387	4,962293	5,166283	5,078324	5,101034	5,068966667	-0,03206733	0,978017826	9430037G07Rik	
17442709	6,924695	7,039744	7,045862	6,943509	6,943663	7,02693	7,0034337	6,971367333	-0,03206633	0,978018504	Ubc // Ubc	
17265560	5,224727	5,160732	5,493327	5,151052	5,296004	5,335615	5,2929287	5,260890333	-0,03203833	0,978037486	Aipl1	
17265935	8,775862	8,85165	8,776718	8,683125	8,856766	8,768229	8,80141	8,769373333	-0,03203667	0,978038616	Rpa1	
17388177	7,391445	7,550005	7,633115	7,471487	7,557746	7,449244	7,524855	7,492825667	-0,03202933	0,978043587	Nr1h3	
17208687	7,752604	6,984526	7,413406	6,882896	7,250553	7,921035	7,383512	7,351494667	-0,03201733	0,978051723	---	
17357855	3,568204	3,564232	3,52807	3,453654	3,843399	3,267452	3,553502	3,521501667	-0,03200033	0,978063247	Olfr1443	
17445257	7,066559	7,168601	6,852106	6,928493	6,888344	7,174439	7,0290887	6,997092	-0,03199667	0,978065733	C030048B08Rik	
17385757	5,149433	5,20445	5,170693	5,337549	4,995893	5,095158	5,1748587	5,142866667	-0,031992	0,978068897	Gcg	
17354483	4,35223	3,976073	4,292088	4,004125	4,316579	4,203718	4,206797	4,174807333	-0,03198967	0,978070479	4930511M06Rik	
17233669	11,51302	11,46708	11,4052	11,42135	11,36077	11,50724	11,461767	11,42978667	-0,03198	0,978077032	Pcbd1	
17261173	5,446661	5,226163	5,220215	5,333894	5,34537	5,117865	5,2976797	5,265709667	-0,03197	0,978083812	Gm10466	
17377263	4,085288	4,34161	4,273209	4,215238	4,12759	4,26137	4,233369	4,201399333	-0,03196967	0,978084038	4933406D12Rik	
17460758	3,095412	2,939525	2,989345	2,938693	2,961868	3,027845	3,008094	2,976135333	-0,03195867	0,978091495	Vmn1r47	
17307837	10,64792	10,44486	10,34628	10,40057	10,46655	10,4761	10,479687	10,44774	-0,03194667	0,978099631	Ephx2	
17311909	8,610901	8,553564	8,382355	8,345751	8,576996	8,528234	8,5156067	8,483660333	-0,03194633	0,978099857	Efr3a	
17201263	3,16503	4,21957	3,980611	4,324303	3,56518	3,379904	3,7884037	3,756462333	-0,03194133	0,978103247	---	
17326756	4,240414	4,181711	4,232699	4,069378	4,287731	4,20193	4,2182747	4,186346333	-0,03192833	0,97811206	Ncam2	
17482884	7,803483	7,795575	7,755655	7,693004	7,819206	7,746757	7,7849043	7,752989	-0,03191533	0,978120874	Lcmt1	
17444022	4,851987	4,817065	4,927694	4,89259	4,912491	4,695955	4,865582	4,833678667	-0,03190333	0,97812901	4930500L23Rik // 4930500L23Rik	
17485480	4,368072	4,374464	4,659369	4,501782	4,417678	4,386737	4,4673017	4,435399	-0,03190267	0,978129462	AU018091	
17403301	9,209984	9,426496	9,260702	9,377525	9,293267	9,130695	9,2990607	9,267162333	-0,03189833	0,9781324	Gtf2b	
17253837	3,967227	4,11528	3,706195	3,920575	3,925369	3,847088	3,9295673	3,897677333	-0,03189	0,97813805	Mir365-2	
17293757	9,360378	9,467729	9,378354	9,312095	9,461179	9,337534	9,4021537	9,370269333	-0,03188433	0,978141892	Hiatl1	
17406531	5,463608	5,478989	5,727335	5,5163	5,495965	5,562017	5,556644	5,524760667	-0,03188333	0,97814257	4933430H15Rik	
17484563	6,098978	5,480004	5,807358	5,963158	5,584478	5,743059	5,7954467	5,763565	-0,03188167	0,9781437	Olfr538	
17373739	4,654463	4,649752	4,629112	4,586902	4,694651	4,556161	4,6444423	4,612571333	-0,031871	0,978150932	Elf5	
17283364	4,847925	5,100938	4,822576	4,823885	5,048513	4,803436	4,923813	4,891944667	-0,03186833	0,97815274	Tc2n // Tc2n	
17482110	6,260649	6,41596	6,409368	6,264522	6,282957	6,442951	6,3619923	6,330143333	-0,031849	0,978165848	Xylt1	
17259218	8,26624	8,242887	8,165646	8,144095	8,258933	8,176223	8,2249243	8,193083667	-0,03184067	0,978171498	---	
17391709	5,425797	5,541499	5,617826	5,560812	5,463212	5,465576	5,528374	5,496533333	-0,03184067	0,978171498	Slc4a11	
17461852	6,097326	6,179374	6,269954	6,155781	6,282442	6,012929	6,182218	6,150384	-0,031834	0,978176018	Slc6a11	
17491368	5,689042	5,891818	6,363764	5,640692	6,314816	5,893639	5,9815413	5,949715667	-0,03182567	0,978181668	Csrp3	
17202763	3,233192	3,227631	3,222096	3,122729	3,226817	3,237913	3,2276397	3,19581966?	-0,03182	0,97818511	---	
17509455	7,864988	7,845743	7,681178	7,667293	7,991897	7,63728	7,797303	7,76549	-0,031813	0,978190257	Sap30	
17306272	9,917329	9,989622	10,04868	10,10892	10,1794	9,671873	9,9852103	9,953397667	-0,03181267	0,978190483	Snord8	
17423209	8,058861	7,791397	7,857654	7,840458	7,877695	7,894392	7,9026373	7,870848333	-0,031789	0,97820653	Plekhf2	
17394225	4,532102	4,516434	4,461746	4,614127	4,549976	4,250842	4,5034273	4,471648333	-0,031779	0,97821331	Wfdc16	
17314712	7,610135	7,600724	7,756829	7,484962	7,671064	7,716406	7,655896	7,624144	-0,031752	0,978231617	Troap	
17448847	7,605246	7,74009	7,588054	7,527084	7,65694	7,654114	7,6444633	7,612712667	-0,03175067	0,97823522	Usp46	
17328870	5,859029	6,127903	6,362279	6,296349	5,725206	6,232419	6,1164037	6,084658	-0,03174567	0,978235912	Zdhhc8	
17361112	4,904015	4,894575	4,970483	4,961382	4,880813	4,831674	4,9230243	4,891289667	-0,03173467	0,978243371	Cabp4	
17231015	6,540172	6,51572	6,424187	6,193446	6,72975	6,461681	6,4933597	6,461625667	-0,031734	0,978243823	Tatdn3	
17479913	5,466366	5,826269	5,843624	5,853725	5,683983	5,503358	5,7120863	5,680355333	-0,031731	0,978245857	Gm2115	
17349588	4,613508	4,766111	4,999771	4,617029	4,966934	4,700323	4,79313	4,761428667	-0,03170133	0,978265973	LOC546711	
17509315	8,490261	8,617751	8,500729	8,564915	8,401933	8,546796	8,536247	8,504548	-0,031699	0,978267555	Odz3	
17336114	6,956049	6,839928	7,127316	7,015049	7,079236	6,733931	6,974431	6,942738667	-0,03169233	0,978272076	Myo1f	
17210139	7,00929	6,958814	6,269872	6,972121	6,450487	6,720345	6,745992	6,714317667	-0,03167433	0,978284281	---	
17307638	6,26534	6,10398	6,361475	6,354893	6,088947	6,191948	6,2435983	6,211929333	-0,031669	0,978287898	Tdh	
17376822	4,502409	4,333799	4,360545	4,365142	4,417584	4,319055	4,3989177	4,367260333	-0,03165733	0,978295809	Snap25	
17548242	4,122857	4,08931	4,075326	4,022339	4,140661	4,029556	4,095831	4,064185333	-0,03164567	0,97830372	Gm19817	
17404170	3,694432	3,807353	4,070496	3,493571	4,211048	3,772734	3,857427	3,825784333	-0,03164267	0,978305755	---	
17468828	7,518069	7,51052	7,334737	7,292346	7,526761	7,449313	7,454442	7,422806667	-0,03163533	0,978310728	Plxna1	
17484610	4,205481	4,225987	4,142141	4,51216	3,866528	4,100048	4,191203	4,159578667	-0,03162433	0,978318187	Scgb1c1	
17249373	3,93557	4,053152	4,165728	4,195808	3,956791	3,906998	4,0514833	4,019865667	-0,03161767	0,978322708	---	
17550655	3,478799	3,425947	3,571896	3,41323	3,558576	3,410088	3,492214	3,460631333	-0,03158267	0,978346442	---	
17496815	5,595722	5,597982	6,004549	5,718449	5,749234	5,635864	5,732751	5,701182333	-0,03156867	0,978355936	Prss36	
17219079	4,92692	5,072028	5,210367	4,910583	5,115634	5,088393	5,0697717	5,038203333	-0,03156833	0,978356162	Fam78b	
17484615	4,673541	4,597743	4,633935	4,694016	4,47275	4,643802	4,635073	4,603522667	-0,03155033	0,978368369	Odf3	

17270071	10,35569	10,42044	10,35346	10,29495	10,39461	10,34538	10,37653	10,34498	-0,03155	0,978368595	Lsm12	
17383441	4,330668	4,716078	4,939127	4,862317	4,490142	4,538786	4,6619577	4,630415	-0,03154267	0,978373568	Barhl1	
17548957	9,446113	9,526837	9,596621	9,560864	9,347942	9,566146	9,5231903	9,491650667	-0,03153967	0,978375603	Rpa3 // Rpa3	
17487346	9,833199	9,886289	9,876199	9,786721	9,86488	9,84947	9,865229	9,833690333	-0,03153867	0,978376281	Clptm1	
17537324	3,890563	3,69009	4,115154	4,031193	4,004673	3,565331	3,8986023	3,867065667	-0,03153667	0,978377637	Ube2dnl1	
17208383	3,801071	4,505598	4,980517	4,391425	3,816707	4,984445	4,429062	4,397525667	-0,03153633	0,978377863	---	
17516127	3,535367	3,282199	3,341946	3,349884	3,347838	3,367185	3,386504	3,354969	-0,031535	0,978378767	Olfr881	
17524716	5,004495	4,613881	4,700432	4,728312	4,759229	4,736676	4,772936	4,741405667	-0,03153033	0,978381932	Gm16853	
17299551	6,167563	6,208372	6,072675	6,011584	6,137439	6,205002	6,1495367	6,118008333	-0,03152833	0,978383288	Pnp	
17340730	4,113679	4,467535	4,448428	4,392751	4,392751	4,149573	4,343214	4,311691667	-0,03152233	0,978387357	4930506C21Rik	
17223594	7,948504	7,964386	7,869362	7,817583	7,977028	7,893088	7,9274173	7,895899667	-0,03151767	0,978390522	Wdr12	
17322327	9,748621	9,855629	9,87418	9,730537	9,841478	9,811889	9,8261433	9,794634667	-0,03150867	0,978396626	Cbx5	
17518038	8,406325	8,443756	8,239327	8,306237	8,332284	8,356362	8,363136	8,331627667	-0,03150833	0,978396852	Myo9a	
17214663	6,110053	6,057592	6,751638	6,429428	6,037418	6,357948	6,3064277	6,274931333	-0,03149633	0,97840499	---	
17515871	6,914463	6,927879	6,970093	6,965055	6,940143	6,8128	6,9374783	6,905999333	-0,031479	0,978416745	4930581F22Rik	
17401465	4,340366	4,338089	4,491717	4,332974	4,498183	4,244588	4,3900573	4,358581667	-0,03147567	0,978419006	Chia	
17338364	7,029648	7,102354	6,87347	7,020759	6,93331	6,956985	7,001824	6,970351333	-0,03147267	0,97842104	Trem1	
17301757	7,535349	7,38237	7,471818	7,323388	7,385211	7,586528	7,463179	7,431709	-0,03147	0,978422849	Reep4	
17395170	8,820284	8,844307	8,714211	8,661558	8,683572	8,939284	8,792934	8,761471333	-0,03146267	0,978427822	Slmo2	
17207217	3,675617	3,503989	4,156669	3,716293	3,973142	3,552564	3,7787583	3,747333	-0,03142533	0,978453142	---	
17341238	2,842892	2,867672	2,77698	2,814533	2,748616	2,83012	2,8291813	2,797756333	-0,031425	0,978453368	---	
17278104	6,611463	6,607245	6,457951	6,308408	6,721714	6,552282	6,5588863	6,527468	-0,03141833	0,978457889	D230037D09Rik	
17488735	5,682441	5,283317	5,456525	5,317016	5,485666	5,525351	5,4740943	5,442677667	-0,03141667	0,97845902	Spred3	
17501518	2,886221	3,003842	3,093979	2,905039	3,158206	2,826554	2,9946807	2,963266333	-0,03141433	0,978460602	---	
17419025	9,252688	9,219747	9,33517	9,299431	9,210802	9,203159	9,2692017	9,237797333	-0,03140433	0,978467384	Tmem234	
17363893	7,846056	7,980185	7,843534	7,967499	7,737145	7,870921	7,889925	7,858521667	-0,03140333	0,978468062	Ppp1r2-ps3 // Ppp1r2-ps3 // Ppp1r2-ps3	
17547513	3,626746	3,566238	3,781745	3,705095	3,623324	3,552109	3,658243	3,626842667	-0,03140033	0,978470097	Tex18	
17262958	4,095922	3,801722	4,014251	3,780341	3,849605	4,187751	3,9706317	3,939232333	-0,03139933	0,978470775	4921508A21Rik	
17420064	8,786504	8,796627	8,45287	8,557452	8,605627	8,778748	8,678667	8,647275667	-0,03139133	0,978476201	Tcea3	
17416759	8,840658	8,82625	8,778299	8,844728	8,320209	9,186115	8,815069	8,783684	-0,031385	0,978480497	---	
17414188	8,715379	8,780692	8,653078	8,730261	8,597206	8,727545	8,716383	8,685004	-0,031379	0,978484566	Slc44a1	
17550611	9,279829	9,223542	9,2033	9,19244	9,282747	9,137354	9,2355557	9,204180333	-0,03137667	0,978486149	---	
17412692	4,108938	4,399633	4,109897	4,193073	4,279453	4,051825	4,206156	4,174783667	-0,03137233	0,978489088	Ifnk	
17208943	6,708368	6,724475	6,666928	6,348301	6,760666	6,896754	6,6999237	6,668573667	-0,03135	0,978504235	---	
17281304	3,291249	3,191564	3,659553	3,429287	3,36926	3,249783	3,3807887	3,349443333	-0,03134533	0,9785074	---	
17407536	6,02347	5,947087	5,726877	5,801836	5,823782	5,977784	5,8991447	5,867800667	-0,031344	0,978508304	Lingo4	
17348047	3,742402	3,878093	3,713225	3,742402	3,871209	3,626077	3,7779067	3,746562667	-0,031344	0,978508304	Gm19828	
17523199	5,393416	5,231483	5,426266	5,319632	5,174688	5,462911	5,3503883	5,319077	-0,03131133	0,978530461	---	
17210249	5,184516	4,699438	5,231294	4,757308	4,776029	5,487994	5,038416	5,007110333	-0,03130567	0,978534304	---	
17548274	11,05648	11,16469	10,95923	10,95824	10,96085	11,16743	11,060133	11,02884	-0,03129333	0,97854267	Ube2l3 // Ube2l3	
17341061	4,435829	4,442401	4,387628	4,420551	4,309144	4,442401	4,4219527	4,390698667	-0,031254	0,978569349	---	
17208651	6,304409	5,477717	7,065921	7,00814	5,591198	6,154958	6,2826823	6,251432	-0,03125033	0,978571836	---	
17481219	3,153102	3,266782	3,049822	3,105871	3,210765	3,059442	3,1565687	3,125359333	-0,03120933	0,978599646	Olfr619	
17326007	3,793943	3,656021	3,955303	3,526108	3,952252	3,833287	3,8017557	3,770549	-0,03120667	0,978601455	---	
17546234	9,273351	9,108985	8,823264	8,97475	8,93809	9,199164	9,0685333	9,037334667	-0,03119867	0,978606882	Vamp7	
17332343	7,168264	7,887629	7,790395	7,297214	7,489416	7,966131	7,6154293	7,584253667	-0,03117567	0,978622483	---	
17422859	5,54627	5,177078	5,645123	5,441435	5,626387	5,20714	5,456157	5,424987333	-0,03116967	0,978626553	Tnfrsf4	
17480978	7,236856	7,195024	7,426589	7,267199	7,247299	7,250474	7,2861563	7,254990667	-0,03116567	0,978629267	2400001E08Rik	
17532625	14,18029	14,18677	14,14736	14,12926	14,12253	14,16914	14,171473	14,14031	-0,03116333	0,978630849	---	
17262394	5,97094	5,976639	5,954674	6,002008	5,828097	5,978678	5,9674177	5,936261	-0,03115667	0,978635372	Zfp354c	
17276702	3,979543	3,713308	3,517323	3,689655	3,759888	3,667197	3,7367247	3,70558	-0,03114467	0,978643512	Fam71d	
17376563	8,278001	8,402579	8,326618	8,325974	8,385284	8,20256	8,3357327	8,304606	-0,03112667	0,978655722	Cds2	
17281582	9,096441	9,035625	9,010764	9,046001	8,94083	9,06262	9,04761	9,016483667	-0,03112633	0,978655948	Sos2	
17227614	3,641532	3,557532	3,820476	3,619377	3,797555	3,50923	3,67318	3,642054	-0,031126	0,978656174	---	
17489243	7,549632	7,298395	7,693639	7,74049	7,382452	7,32536	7,5138887	7,482767333	-0,03112133	0,97865934	---	
17529901	7,336622	7,539708	7,378197	7,294374	7,53721	7,32958	7,4181757	7,387054667	-0,031121	0,978659566	Slc25a36	
17299779	4,564294	5,111259	4,429339	4,807643	4,576845	4,627096	4,7016307	4,670528	-0,03110267	0,978672003	---	
17528617	8,517917	8,662225	8,474943	8,471215	8,415088	8,675553	8,551695	8,520618667	-0,03107633	0,978689866	Fam63b	
17335550	7,523481	7,263767	7,277571	7,236967	7,306538	7,4281	7,3549397	7,323868333	-0,03107133	0,978693258	Tbc1d22b	
17201685	5,076135	4,765842	5,090789	4,866847	4,862592	5,110115	4,9775887	4,946518	-0,03107067	0,97869371	---	
17410529	6,900704	7,096589	7,17284	6,984187	6,857817	7,234984	7,056711	7,025662667	-0,03104833	0,978708861	Cisd2	
17520198	4,339427	4,487062	4,373104	4,273756	4,477122	4,355573	4,3998643	4,368817	-0,03104733	0,978709539	Rasgrf1	
17445809	4,115443	4,079353	4,005179	3,921882	4,155081	4,029891	4,0666583	4,035618	-0,03104033	0,978714288	Ccdc146	
17237062	7,959604	7,917719	7,842713	7,894463	7,75211	7,980351	7,9066787	7,875641333	-0,03103733	0,978716323	Gm4340 // Gm4340	
17237065	7,959604	7,917719	7,842713	7,894463	7,75211	7,980351	7,9066787	7,875641333	-0,03103733	0,978716323	Gm4340 // Gm4340	
17237068	7,959604	7,917719	7,842713	7,894463	7,75211	7,980351	7,9066787	7,875641333	-0,03103733	0,978716323	Gm4340 // Gm4340	
17237071	7,959604	7,917719	7,842713	7,894463	7,75211	7,980351	7,9066787	7,875641333	-0,03103733	0,978716323	Gm4340 // Gm4340	
17376191	4,954847	5,008361	5,269047	4,894255	5,229367	5,015545	5,0774183	5,046389	-0,03102933	0,978721751	Tgm3	
17500248	6,88097	6,832742	6,652587	6,808492	6,650743	6,813991	6,7887663	6,757742	-0,03102433	0,978725143	Rnf170	
17293822	6,276121	5,867435	5,623246	6,261695	5,737431	5,674604	5,9222673	5,891243333	-0,031024	0,97872536	---	
17550785	4,574746	4,494318	4,74621	4,473833	4,532162	4,716218	4,6050913	4,574071	-0,03102033	0,978727856	---	
17439922	5,837255	5,732336	5,721418	5,625901	5,752182	5,819929	5,7636697	5,732670667	-0,030999	0,978742329	Lrrc8d	
17390808	6,5127	6,708165	6,845522	6,658707	6,381383	6,933342	6,6887957	6,657810667	-0,030985	0,978751827	Bambi-ps1	
17354004	9,641736	9,695372	9,546983	9,540326	9,657635	9,59329	9,6280303	9,597083667	-0,03094667	0,978777833	Yipf5	
17368373	6,904167	7,176644	7,072922	6,945993	7,086853	7,028065	7,0512443	7,020303667	-0,03094067	0,978781904	Gm11362 // Rpl7a	
17473817	6,179403	6,019715	5,900752	5,953864	5,932992	6,120222	6,03329	6,002359333	-0,03093067	0,978788688	Zfp446	
17318070	5,693258	5,436392	5,965825	5,77212	5,600792	5,629786	5,6984917	5,667566	-0,03092567	0,97879208	2010109I03Rik	
17228066	6,551671	6,543894	6,534249	6,5862	6,411891	6,538959	6,5432713	6,51235	-0,03092133	0,97879502	Tsen15	
17437198	6,927025	6,932371	6,809222	6,848004	6,749052	6,978808	6,8895393	6,858621333	-0,030918	0,978797282	Bst1	
17313246	3,146974	3,034686	3,287701	3,124207	3,201555	3,050855	3,1564537	3,125539	-0,03091467	0,978799543	---	
17446490	4,258288	3,619664	3,971385	3,659606	3,700126	4,396981	3,949779	3,918904333	-0,03087467	0,978826682	Gm10471	
17474136	9,283279	9,404939	9,485029	9,342689	9,40587	9,332064	9,3910823	9,360207667	-0,03087467	0,978826682	Ap2s1	
17290139	8,313366	8,300226	8,228016	8,290167	8,305782	8,15305	8,280536	8,249666333	-0,03086967	0,978830074	4833420G17Rik	
17225535	7,504924	7,62716	7,338359	7,354267	7,478609	7,54496	7,4901477	7,459278667	-0,030869	0,978830526	Hdac4	
17429449	5,685979	5,85991	6,115403	5,90185	5,901756	5,765086	5,8870973	5,856230667	-0,03086667	0,97883211	Foxo6	
17505877	5,20501	5,143038	5,06847	5,109611	5,181042	5,033275	5,1388393	5,107976	-0,03086333	0,978834371	Clec3a	
17236327	8,722707	8,759058	8,620728	8,634484	8,718322	8,657098	8,700831	8,669968	-0,030863	0,978834597	Ccdc53	
17273260	5,657168	5,422422	5,588823	5,583207	5,617909	5,374725	5,5561377	5,525280333	-0,03085733	0,978838442	Notum	
17356194	5,733684	5,861971	5,979332	5,648033	6,073315	5,761069	5,858329	5,827472333	-0,03085667	0,978838894	Clcf1	
17383781	6,041451	5,641297	5,775026	5,661794	5,880145	5,823265	5,819258	5,788401333	-0,03085667	0,978838894	---	
17392520	4,53443	4,541541	4,641497	4,413249	4,733874	4,477789	4,5724893	4,541637333	-0,030852	0,978842061	---	
17442500	7,153554	6,918102	7,126273	7,059073	6,97753	7,068813	7,0659763	7,035138667	-0,03083767	0,978851785	2810006K23Rik	
17307572	6,801894	6,880464	7,068569	6,829854	7,032812	6,795813	6,9169757	6,886159667	-0,030816	0,978866486	---	
17235740	5,515274	5,212091	5,550464	5,407758	5,39029	5,387347	5,425943	5,395131667	-0,03081133	0,978869653	---	
17469030	7,232546	7,322378	7,159164	6,891949	7,281262	7,448543	7,2380293	7,207251333	-0,030778	0,978892269	Chchd4	
17228291	4,133657	4,371934	3,808026	4,081432	4,51278	3,627092	4,104539	4,073768	-0,030771	0,978897019	---	
17504954	7,985459	8,215214	8,201061	8,009345	8,161499	8,138639	8,1339113	8,103161	-0,03075033	0,978911042	Thap11	
17414600	6,479617	6,515086	6,743404	6,622295	6,49834	6,525256	6,579369	6,548630333	-0,03073867	0,978918958	Rgs3	
17548121	4,15901	4,460447	4,263398	4,182551	4,379049	4,229089	4,294285	4,263563	-0,030722	0,978930267	Gm19505	
17499647	7,196559	7,350843	7,23097	7,413504	6,922538	7,350179	7,2594573	7,228740333	-0,030717	0,97893366	---	
17394435	5,257206	5,025807	5,09292	4,997411	5,163671	5,122749	5,125311	5,094610333	-0,03070067	0,978944743	Zfp663	
17204511	3,553077	4,261248	4,208667	4,679974	3,869381	3,381537	4,007664	3,976964	-0,0307	0,978945195	---	
17459412	2,865006	2,902132	2,859579	2,809612	2,907539	2,817475	2,8755723	2,844875333	-0,030697	0,978947231	---	
17516607	9,046052	8,993131	9,090045	9,038593	9,22556	8,772991	9,043076	9,012381333	-0,03069467	0,978948814	Rps25	
17496777	5,419054	5,180541	5,535234	5,284128	5,370749	5,387868	5,3782763	5,347581667	-0,03069467	0,978948814	Zfp668	
17378238	5,069123	4,779411	5,305585	5,095778	5,240571	4,725792	5,051373	5,020713667	-0,03065933	0,97897279	1700007I08Rik	
17394916	4,393297	4,554957	4,32389	4,442877	4,513087	4,224226	4,424048	4,393396667	-0,03065133	0,978978219	AY702102	
17374028	5,217813	5,06807	5,276026	5,502744	4,846454	5,120772	5,187303	5,156656667	-0,03064633	0,978981612	Mpped2	
17534265	5,724967	5,437808	5,394553	5,688115	5,268463	5,508821	5,5191093	5,488466333	-0,030643	0,978983873	Rhox3a	
17321561	6,392281	6,187514	6,282467	6,282758	6,088581	6,399008	6,2874207	6,256782333	-0,03063833	0,97898704	Nckap5l	
17309039	3,097941	3,102727	3,156376	3,201672	3,262801	2,800668	3,1190147	3,088380333	-0,03063433	0,978989754	---	
17293248	8,446023	8,265634	8,611725	8,440998	8,398124	8,392361	8,4411273	8,410494333	-0,030633	0,978990659	---	
17348361	3,472726	3,260689	3,233192	3,305608	3,273217	3,295883	3,3222023	3,291569333	-0,030633	0,978990659	4930563E18Rik	
17426206	10,96726	11,37402	11,29473	11,12193	11,10747	11,31472	11,212003	11,18137333	-0,03063	0,978992695	Alad	
17265211	4,417398	4,294	4,687954	4,452885	4,569823	4,284825	4,4664507	4,435844333	-0,03060633	0,979008755	Alox12e	
17280864	6,014432	5,932092	5,960749	6,023255	5,856313	5,93594	5,969091	5,938502667	-0,03058833	0,97902097	---	
17400720	9,754522	9,754759	9,701767	9,642683	9,769733	9,706949	9,737016	9,706455	-0,030561	0,979039519	Rnf115	
17218079	9,900194	10,08999	9,993024	9,933147	9,969366	9,98904	9,9944027	9,963851	-0,03055167	0,979045852	Tpr	
17225982	3,334138	3,410118	3,762153	3,54267	3,54267	3,329438	3,5021363	3,471592667	-0,03054367	0,979051281	---	
17329790	10,17131	10,0567	9,977669	9,966999	10,13784	10,00925	10,06856	10,03802967	-0,03053	0,979060556	Pak2	
17321215	4,893042	4,511991	4,480188	4,538042	4,566267	4,68935	4,628407	4,597886333	-0,03052067	0,97906689	Olfr284	
17355251	5,892699	5,908453	5,821146	5,605417	6,053656	5,871671	5,8740993	5,843581333	-0,030518	0,9790687	4930549G23Rik	
17210385	4,675993	4,034186	3,931711	4,064114	4,302432	4,183808	4,2139633	4,183451333	-0,030512	0,979072771	---	
17539492	3,142255	2,939525	3,067985	3,223177	2,935461	2,899621	3,0499217	3,019419667	-0,030502	0,979079558	---	
17349262	8,222712	8,313993	8,103123	7,971629	8,210859	8,365839	8,213276	8,182775667	-0,03050033	0,979080689	Ercc3	
17382359	6,355044	6,151534	6,444432	6,209867	6,280032	6,369625	6,3170033	6,286508	-0,03049533	0,979084082	---	
17530798	7,680034	7,610596	7,394571	7,39545	7,5365	7,661799	7,5617337	7,531249667	-0,030484	0,979091774	---	
17496605	7,714869	7,88686	7,83509	7,746873	7,787468	7,811049	7,812273	7,781796667	-0,03047633	0,979096977	Cd2bp2	
17315731	3,608663	3,591823	3,66963	3,523843	3,614897	3,639971	3,623372	3,592903667	-0,03046833	0,979102406	---	
17341641	6,40132	5,954978	6,085932	6,265918	6,04707	6,037841	6,14741	6,116943	-0,030467	0,979103311	Prss41	
17345499	7,023266	7,108752	7,079586	7,147027	6,92602	7,047178	7,0705347	7,040075	-0,03045967	0,979108288	Klc4	
17205623	5,334531	6,499177	6,204799	5,334923	5,944205	6,668001	6,0128357	5,982376333	-0,03045933	0,979108514	---	
17511263	5,424267	5,224395	5,487299	5,035918	5,72342	5,285333	5,3786537	5,348223667	-0,03043	0,979128422	Best2	
17469952	6,968506	6,989397	6,899247	6,903742	6,949139	6,912996	6,9523833	6,921959	-0,03042433	0,979132268	Mbd4	

17262768	5,538592	5,3879	5,738075	5,576322	5,490807	5,506204	5,5548557	5,524444333	-0,03041133	0,97914109	Slc22a21
17328124	7,640576	7,579486	7,652975	7,578865	7,640136	7,562863	7,6243457	7,593954667	-0,030391	0,979154891	Litaf
17331438	8,533223	8,489094	8,300011	8,284034	8,435392	8,511741	8,440776	8,410389	-0,030387	0,979157605	Chmp2b
17547730	10,7942	10,98749	10,91609	10,85132	10,80952	10,94582	10,89926	10,86888667	-0,03037333	0,979166881	Gm7614
17473810	7,738155	7,573418	7,632895	7,602735	7,752069	7,498579	7,648156	7,617794333	-0,03036167	0,979174799	Zfp324
17416364	7,500374	7,214432	7,582877	7,373032	7,512757	7,320826	7,432561	7,402205	-0,030356	0,979178645	Ssbp3
17478181	4,857047	4,590047	5,150027	4,820159	4,888219	4,797677	4,865707	4,835351667	-0,03035533	0,979179098	Kcnc1
17431708	5,504849	5,267492	5,829106	5,632318	5,431202	5,446869	5,5338157	5,503463	-0,03035267	0,979180908	Ldlrad2
17236919	6,065613	6,009364	6,071872	5,918225	5,963047	6,174565	6,0489497	6,018612333	-0,03033733	0,979191315	Gm4301
17236931	6,065613	6,009364	6,071872	5,918225	5,963047	6,174565	6,0489497	6,018612333	-0,03033733	0,979191315	Gm4301
17244567	6,065613	6,009364	6,071872	5,918225	5,963047	6,174565	6,0489497	6,018612333	-0,03033733	0,979191315	Gm4301
17269194	7,048258	6,898802	7,140305	7,108531	6,956075	6,931755	7,0291217	6,998787	-0,03033467	0,979193125	---
17204133	7,952521	7,639769	7,465783	7,744151	7,755439	7,467489	7,6860243	7,655693	-0,03033133	0,979195387	---
17440312	6,783876	6,784873	6,722276	6,7415	6,801653	6,656959	6,763675	6,733370667	-0,03030433	0,979213713	Fgfrl1
17441160	3,714909	3,856252	3,880154	3,771369	3,798394	3,790678	3,817105	3,786813667	-0,03029133	0,979222536	Pla2g1b
17509842	7,184171	7,147492	7,109011	7,09393	7,154088	7,101818	7,1468913	7,116612	-0,03027933	0,979230681	Zfp868 // Zfp868
17473648	2,996715	2,902102	2,93536	3,149765	2,833997	2,759585	2,9447257	2,914449	-0,03027667	0,979232491	Mir3099
17411420	11,73911	11,7811	11,84217	11,92556	11,70785	11,63817	11,78746	11,75719333	-0,03026667	0,979239279	Cth
17241027	4,892196	4,220668	4,103773	4,175097	4,318135	4,632616	4,4055457	4,375282667	-0,030263	0,979241768	---
17483325	7,602963	7,536908	7,509151	7,504249	7,506583	7,547402	7,549674	7,519411333	-0,03026267	0,979241994	Fbrs
17480675	6,18369	6,312965	5,998914	6,248694	6,011676	6,144442	6,1651897	6,134937333	-0,03025233	0,979249008	P4ha3
17457794	5,135429	4,646426	4,836986	4,879026	4,843574	4,805486	4,872947	4,842695333	-0,03025167	0,97924946	---
17549210	6,615815	6,584079	7,137338	6,51349	6,932832	6,800156	6,7790773	6,748826	-0,03025133	0,979249687	---
17360181	9,403172	9,425646	9,413301	9,347616	9,43819	9,365577	9,4140397	9,383794333	-0,03024533	0,979253759	Slk
17285614	3,222723	3,161567	3,60999	3,287948	3,381052	3,234639	3,3314267	3,301213	-0,03021367	0,979275254	---
17247375	2,905419	3,028156	3,02679	2,891567	3,071987	2,906172	2,9867883	2,956575333	-0,030213	0,979275706	---
17308233	5,865026	5,797202	5,708946	5,495466	5,879879	5,905231	5,7903913	5,760192	-0,03019933	0,979284983	9930012K11Rik
17550675	8,75805	8,796824	8,98788	8,773575	8,940472	8,738116	8,8475847	8,817387667	-0,030197	0,979286567	---
17416141	8,071495	8,034412	7,925679	7,890477	8,052548	7,998005	8,0105287	7,980343333	-0,03018533	0,979294486	Oma1
17467377	3,19508	3,366224	3,040805	3,221892	3,222734	3,066963	3,200703	3,170529667	-0,03017333	0,979302632	Igkv9-124 // Igkv9-124
17231090	5,119946	4,91345	4,998359	4,855103	5,123226	4,962947	5,010585	4,980425333	-0,03015967	0,979311909	1700034H15Rik
17204393	4,593471	4,844626	4,885265	4,72428	4,661098	4,847522	4,774454	4,7443	-0,030154	0,979315755	---
17549650	5,993729	6,041697	6,231161	6,216384	5,900298	6,059482	6,0888623	6,058721333	-0,030141	0,97932458	---
17372621	10,457	10,51838	10,5772	10,3021	10,60871	10,55138	10,517527	10,48739667	-0,03013	0,979332047	Slc43a1
17215599	3,951536	3,870614	3,832037	3,890636	3,839144	3,834024	3,884729	3,854601333	-0,03012767	0,979333631	---
17341697	10,05125	10,09296	10,26552	9,957716	10,23164	10,13	10,136577	10,106452	-0,03012467	0,979335667	---
17240401	5,318555	5,388988	5,706992	5,574165	5,333376	5,416625	5,4715117	5,441388667	-0,030123	0,979336799	Gpr6
17469848	6,831655	6,959682	7,034364	6,970514	6,820886	6,943939	6,9419003	6,911779667	-0,03012067	0,979338383	Vgll4
17207153	4,177142	3,680648	4,049717	4,578608	3,036814	4,201751	3,969169	3,939057667	-0,03011133	0,97934478	---
17268909	10,70232	10,73498	10,86914	10,73773	10,67755	10,80084	10,768813	10,73870667	-0,03010667	0,979347886	Top2a
17438321	9,22302	9,612885	9,430812	9,354791	9,567007	9,254611	9,422239	9,392136333	-0,03010267	0,979350601	---
17331802	4,55742	4,266339	4,221257	4,356073	4,254068	4,344575	4,3483387	4,318238667	-0,0301	0,979352412	Grik1
17338571	9,024184	9,100753	9,058592	9,073418	9,086052	8,933795	9,0611763	9,031088333	-0,030088	0,979360558	Kat2b
17340752	4,341842	4,158696	4,149983	4,193154	4,084215	4,282976	4,2168403	4,186781667	-0,03005867	0,979380471	4930452A19Rik
17300921	6,517515	6,72836	6,535212	6,44682	6,58064	6,663452	6,5936957	6,563637333	-0,03005833	0,979380697	Il17d
17350078	4,030441	3,764744	3,795605	3,696281	3,758353	4,046	3,8635967	3,833544667	-0,030052	0,979384996	2900055J20Rik
17464235	5,49455	5,435662	5,503294	5,264018	5,425066	5,654272	5,4778353	5,447785333	-0,03005	0,979386354	---
17535752	7,075148	7,272015	7,3474	7,125567	7,224335	7,254529	7,231521	7,201477	-0,030044	0,979390427	Emd
17445807	3,20527	3,046067	2,967653	3,102013	2,991558	3,035292	3,0729967	3,042954333	-0,03004233	0,979391559	---
17232585	5,97481	5,42851	6,046638	5,736158	5,589885	6,033834	5,8166527	5,786625667	-0,030027	0,979401968	---
17548270	3,730511	3,522345	3,641124	3,514225	3,622378	3,667299	3,6313267	3,601300667	-0,030026	0,979402647	Tiparp // Tiparp
17331880	3,007009	2,966999	3,083042	2,841701	3,041282	3,084023	3,0190167	2,989002	-0,03001467	0,979410341	---
17512598	5,265445	5,144824	5,151575	5,105561	5,206446	5,15982	5,1872813	5,157275667	-0,03000567	0,979416451	Dpep3
17356924	5,543187	5,582521	5,734798	5,558316	5,63463	5,577585	5,6201687	5,590177	-0,02999167	0,979425955	Nrxn2
17550544	14,0219	14,00759	14,00762	13,97955	13,95802	14,00963	14,01237	13,9824	-0,02997	0,979440664	---
17343476	5,023269	4,657041	4,871366	4,869885	4,754856	4,83704	4,8505587	4,820593667	-0,029965	0,979444059	---
17250063	3,518083	3,287912	3,652411	3,449885	3,480024	3,438618	3,4861353	3,456175667	-0,02995967	0,97944768	Gm12253 // Gm12253
17384100	6,363404	6,198491	6,270043	6,225586	6,302409	6,214068	6,2773127	6,247354333	-0,02995833	0,979448585	Garnl3
17418569	5,398071	5,172812	4,915564	5,359848	5,054131	4,982644	5,162149	5,132207667	-0,02994133	0,979460126	---
17410698	7,652532	7,761716	7,617461	7,664925	7,553314	7,723651	7,6772363	7,647296667	-0,02993967	0,979461258	Rap1gds1
17291803	8,26918	8,20131	8,127367	8,138978	8,135536	8,23354	8,1992857	8,169351333	-0,02993433	0,979464879	1300014I06Rik
17518227	7,84444	7,836938	8,051797	7,907787	7,851797	7,883856	7,9110583	7,881146667	-0,02991167	0,979480267	Cln6
17385329	10,08603	10,2888	10,10527	10,22078	10,09738	10,07221	10,160033	10,13012333	-0,02991	0,979481399	Prpf40a
17205325	2,813112	2,893387	3,143097	2,792675	3,125388	2,841813	2,9498653	2,919958667	-0,02990667	0,979483662	---
17241574	5,721158	5,307248	5,715412	5,339952	5,838906	5,47525	5,5812727	5,551369333	-0,02990333	0,979485925	1700120B22Rik
17331832	5,656871	4,959504	5,283817	5,263663	5,247624	5,299228	5,300064	5,270171667	-0,02989233	0,979493393	Krtap24-1
17480590	4,396263	4,628013	4,438851	4,536218	4,262802	4,574452	4,487709	4,457824	-0,029885	0,979498372	Slco2b1
17491068	6,126564	5,805077	5,995481	6,028907	5,808153	6,000447	5,9757073	5,945835667	-0,02987167	0,979507425	Kcnj11
17295422	9,659451	9,789832	9,717267	9,676175	9,729321	9,671456	9,7221833	9,692317333	-0,029866	0,979511272	Tnpo1
17387948	3,3283	3,413514	3,381906	3,38235	3,377125	3,274653	3,3745733	3,344709333	-0,029864	0,97951263	Olfr1241
17238064	8,465824	8,664577	8,513563	8,526468	8,57583	8,452078	8,547988	8,518125333	-0,02986267	0,979513535	Stat6
17350040	7,023283	6,675226	7,103288	6,874846	6,919467	6,917926	6,9339323	6,904079667	-0,02985267	0,979520325	Arhgap26
17460256	3,724807	3,498472	3,570785	3,598643	3,628111	3,477763	3,5980213	3,568172333	-0,029849	0,97952814	---
17252724	4,01581	3,811949	4,101888	3,939548	3,974289	3,926276	3,976549	3,946704333	-0,02984467	0,979525756	Olfr23
17267393	8,357168	8,34864	8,287907	8,261563	8,310173	8,332456	8,3312383	8,301397333	-0,029841	0,979528246	Dhx40
17501810	5,557779	5,699735	5,691966	5,724322	5,703915	5,431758	5,6498267	5,619998333	-0,02982833	0,979536846	Rfxank // Rfxank
17293103	7,802896	7,944474	7,7638	7,767955	7,751163	7,902568	7,8370567	7,807228667	-0,029828	0,979537072	Gkap1
17305381	5,792914	5,561544	5,515092	5,138081	5,938066	5,703949	5,6231833	5,593365333	-0,029818	0,97954362	---
17393841	8,36581	8,458538	8,550989	8,562544	8,439989	8,283354	8,4584457	8,428629	-0,02981667	0,979544767	9430008C03Rik
17283691	8,235866	8,250662	8,136242	8,0787	8,209898	8,244836	8,20759	8,177811333	-0,02977867	0,979570568	Dicer1
17250695	4,188487	3,922811	4,049023	4,142094	3,989446	3,939461	4,0534403	4,023667	-0,02977333	0,97957419	---
17421785	4,620156	4,619306	4,45098	4,428688	4,815544	4,356897	4,5634807	4,533709667	-0,029771	0,979575774	---
17459892	11,24233	11,11238	11,32814	11,28427	11,21198	11,09729	11,227617	11,19784667	-0,02977	0,979576453	---
17374827	9,095488	9,181207	9,198163	9,170548	9,146489	9,06853	9,158286	9,128522333	-0,02976367	0,979580753	1700020I14Rik
17321467	6,674858	6,317059	6,532857	6,52923	6,406545	6,499714	6,508258	6,478496333	-0,02976167	0,979582111	Tuba1b
17362674	4,674444	4,835312	4,55623	4,606144	4,737713	4,632933	4,688662	4,65893	-0,029732	0,979602255	Ppp1r32
17469802	8,826618	8,961308	9,006851	8,828513	9,017902	8,859167	8,9315923	8,901860667	-0,02973167	0,979602481	Sec13
17481541	5,263993	5,481351	5,272318	5,21862	5,358844	5,351004	5,3392207	5,309489333	-0,02973133	0,979602708	Syt9
17227509	3,703608	4,343385	3,875503	4,200335	3,650244	3,982724	3,9741653	3,944434333	-0,029731	0,979602934	4933409D19Rik
17308656	4,03676	3,940949	3,867146	3,842289	4,013798	3,899594	3,948285	3,918560333	-0,02972467	0,979607234	Lrrc63
17502944	7,828424	7,799057	7,910648	7,687319	7,911948	7,849768	7,846043	7,816345	-0,029698	0,979625342	Ndufb7
17511693	8,208298	8,233974	8,45183	8,284601	8,218445	8,301971	8,298034	8,268339	-0,029695	0,979627379	Ces1d
17470391	6,529513	6,601296	6,450549	6,721796	6,023606	6,747061	6,5271193	6,497487667	-0,02963167	0,97967038	---
17347475	8,892355	8,835636	8,798916	8,817103	8,750471	8,870451	8,8423023	8,812675	-0,02962733	0,979673327	Hnrpll
17208187	6,058793	6,220819	6,060839	6,204495	6,200498	5,846732	6,1134837	6,083908333	-0,02957533	0,979708639	---
17309918	5,834291	5,560807	5,434766	5,355909	5,693065	5,692254	5,6099547	5,580409333	-0,02954533	0,979729011	Ttc33
17493556	7,496952	7,729579	7,663692	7,510509	7,566586	7,724503	7,6300743	7,600532667	-0,02954167	0,979731501	Acer3
17296427	5,712611	5,424263	5,836352	5,571753	5,593006	5,719883	5,6577042	5,628214	-0,029528	0,979740783	Isl1
17405756	8,055144	7,880106	7,955816	7,689851	8,155166	7,957497	7,9636887	7,934171333	-0,02951733	0,979748026	Gm5848 // Gm5848
17499572	3,02115	3,167051	3,13814	3,127201	3,120927	2,989665	3,1087803	3,079264333	-0,029516	0,979748932	---
17274088	3,544078	3,508155	3,504708	3,597994	3,270964	3,59944	3,5189803	3,489466	-0,02951433	0,979750064	Rad51ap2
17349898	3,490982	3,418806	3,677528	3,87284	3,360099	3,26586	3,5291053	3,499599667	-0,02950567	0,979755949	Pcdhb10
17461023	8,601046	8,625483	8,621091	8,665564	8,521954	8,5716	8,6158733	8,586372667	-0,02950067	0,979759345	Nr2c2
17335129	7,79756	7,366513	7,826105	7,437587	8,016003	7,448126	7,6633927	7,633905333	-0,02948733	0,9797684	Hmga1
17214771	5,661097	5,677361	5,741054	5,702869	5,723893	5,564332	5,6931707	5,663698	-0,02947267	0,97977836	Col4a3
17372185	8,195366	8,332283	8,058082	8,079597	8,242813	8,174972	8,1952437	8,165794	-0,02944967	0,97979398	Rbm45
17236900	7,106229	7,040983	6,760743	7,084397	6,846076	6,889147	6,9693183	6,939873333	-0,029445	0,97979715	Kitl
17334843	4,529026	4,491636	4,683074	4,607444	4,48046	4,527524	4,567912	4,538476	-0,029436	0,979803262	1700022N22Rik
17542066	3,159691	3,046657	3,220284	3,062842	3,195735	3,079752	3,1422107	3,112776333	-0,02943433	0,979804394	Mir742
17206179	5,000728	4,734018	4,548156	4,728549	4,594786	4,871299	4,7609673	4,731544667	-0,02942267	0,97981231	---
17370002	6,686559	6,561061	6,640134	6,478966	6,577002	6,743553	6,6292513	6,599840333	-0,029411	0,979820241	Fam129b
17267076	10,15635	10,27545	10,30931	10,2819	10,21134	10,15969	10,247037	10,21764333	-0,02939333	0,97983224	Ggnbp2
17366758	5,960841	5,541759	5,464998	5,90686	5,506659	5,465919	5,655866	5,626479333	-0,02938667	0,979836767	Mir669k
17366802	5,960841	5,541759	5,464998	5,90686	5,506659	5,465919	5,655866	5,626479333	-0,02938667	0,979836767	Mir669k
17366838	5,960841	5,541759	5,464998	5,90686	5,506659	5,465919	5,655866	5,626479333	-0,02938667	0,979836767	Mir669k
17316148	3,752947	3,950284	3,934607	3,984869	3,65436	3,910483	3,8792793	3,849904	-0,02937533	0,979844465	C030047K22Rik // C030047K22Rik
17392803	3,448994	2,949619	2,880591	2,927531	3,200451	3,063127	3,093068	3,063703	-0,029365	0,97985148	---
17363683	8,477119	8,684438	8,47245	8,578568	8,473808	8,493567	8,544669	8,515314333	-0,02935467	0,979858501	D19Bwg1357e
17291113	3,144025	3,203277	3,171998	3,15498	3,169353	3,106928	3,1731	3,143753667	-0,02934633	0,979864161	Vmn1r220
17541717	3,012098	3,153676	3,261245	3,053003	3,015096	3,270891	3,1423397	3,112996667	-0,029343	0,979866425	Mir450-1
17431867	7,310419	7,188857	7,232048	7,158544	7,192155	7,292607	7,2437747	7,214435333	-0,02933933	0,979868915	Minos1
17215222	8,650921	8,68599	8,807961	8,71758	8,666624	8,672665	8,7149573	8,685623	-0,02933433	0,97987231	Eif4e2
17230991	5,896502	5,781391	5,976306	5,996301	5,754782	5,815136	5,884733	5,855406333	-0,02932667	0,979877518	Vash2
17535164	3,803323	3,48281	3,664931	3,4665	3,74101	3,655574	3,6503547	3,621028	-0,02932667	0,979877518	3830417A13Rik
17229166	7,390969	7,515413	7,208942	7,300365	7,236365	7,490632	7,3717747	7,342454	-0,02932067	0,979881594	Blzf1
17527934	9,241343	9,366983	9,347371	9,179626	9,294071	9,394125	9,3185657	9,289274	-0,02929167	0,979901291	Kif23
17257442	3,096008	3,074622	3,000328	3,018914	3,090404	2,973768	3,056986	3,027695333	-0,02929067	0,97990197	---
17294475	3,018262	3,217296	3,009758	3,098563	3,152519	2,906405	3,081772	3,052495667	-0,02927633	0,979911705	---
17371990	5,143056	4,777995	5,12038	4,700927	5,142251	5,110454	5,0138103	4,984544	-0,02926633	0,979918498	Gpr155
17210998	3,320944	3,338314	3,11883	3,160865	3,265056	3,264431	3,2593627	3,230117333	-0,02924533	0,97993276	---
17492268	4,621759	4,192197	4,220843	4,20542	4,282533	4,459165	4,344933	4,315706	-0,029227	0,979945214	E430016F16Rik
17207481	2,861929	2,921526	2,92192	2,632414	3,098346	2,886943	2,9017917	2,872567667	-0,029224	0,979947252	---
17329769	6,211502	6,233365	6,248095	6,256608	6,202599	6,146086	6,2309873	6,201764333	-0,029223	0,979947931	---
17383423	6,701218	6,448438	6,74739	6,480573	6,609777	6,719146	6,6323487	6,603165333	-0,02918333	0,979974875	1700026L06Rik // 1700026L06Rik

17359938	9,457767	9,621481	9,344714	9,459818	9,34064	9,535965	9,474654	9,445474333	-0,02917967	0,979977366	---	
17396078	4,997849	4,389408	4,659	4,640567	4,723352	4,594849	4,6820857	4,652922667	-0,029163	0,979988687	Ralyl	
17430354	10,13668	10,21464	10,05707	10,10554	10,0854	10,12997	10,13613	10,10697	-0,02916	0,979990725	Rbbp4	
17463577	7,281531	7,014638	6,643188	7,355531	6,614486	6,881865	6,9797857	6,950627333	-0,02915833	0,979991857	Mir680-1 // Mir680-1	
17507377	7,750274	7,993922	7,787508	7,861876	7,864497	7,717884	7,8439013	7,814752333	-0,029149	0,979998197	Col4a1	
17327482	5,552682	5,460307	5,609863	5,592368	5,346842	5,596217	5,5409507	5,511809	-0,02914167	0,980003178	---	
17319783	11,30729	11,28509	11,15323	11,33498	11,02201	11,30121	11,248537	11,2194	-0,02913667	0,980006575	Cyb5r3	
17248894	7,91374	8,234005	8,338456	8,397482	8,20998	7,791358	8,162067	8,13294	-0,029127	0,980013141	Snord95	
17337406	6,044105	5,903242	6,330552	6,008493	6,081804	6,10025	6,092633	6,063515667	-0,02911733	0,980019708	---	
17212373	9,730216	9,747615	9,550776	9,635069	9,646358	9,659842	9,6762023	9,647089667	-0,02911267	0,980022878	Tpp2	
17498067	6,323655	5,879446	5,83909	6,095455	5,632308	6,22711	6,0140637	5,984957667	-0,029106	0,980027407	---	
17363144	3,543169	3,325316	3,187992	3,312752	3,300365	3,356095	3,352159	3,323070667	-0,02908833	0,980039408	Olfr1459	
17452889	6,434713	6,434354	6,526029	6,427804	6,430446	6,449582	6,465032	6,435944	-0,029088	0,980039634	Ccdc92	
17380211	3,95415	3,708476	3,781225	3,782462	3,742689	3,831467	3,814617	3,785539333	-0,02907767	0,980046654	1300015D01Rik	
17235379	8,927282	8,974433	9,081721	8,934434	8,96511	8,996664	8,9944787	8,965402667	-0,029076	0,980047786	Csnk1g2	
17209983	6,243004	5,937371	6,006273	5,784336	6,095823	6,219266	6,062216	6,033141667	-0,02907433	0,980048918	---	
17443596	5,129577	4,992605	5,037457	5,084057	5,029771	4,958606	5,053213	5,024144667	-0,02906833	0,980052994	Actl6b	
17239461	8,232372	8,27487	8,274122	8,187783	8,3001	8,206285	8,2604547	8,231389333	-0,02906533	0,980055032	Vta1	
17364208	9,454646	9,168237	9,223442	9,232745	9,279343	9,247049	9,2821083	9,253045667	-0,02906267	0,980056843	Ppp1r3c	
17355411	4,671978	4,535999	4,65237	4,461763	4,5795	4,731898	4,6201157	4,591053667	-0,029062	0,980057296	Mapk4	
17525894	7,130518	7,368047	6,89829	7,253474	7,09638	6,959816	7,132285	7,103223333	-0,02906167	0,980057523	Sorl1	
17389724	5,827361	5,587652	6,030558	5,744388	5,777695	5,836313	5,8151903	5,786132	-0,02905833	0,980059787	Bmf	
17416926	4,72561	4,724957	4,958628	4,855893	4,786613	4,67955	4,803065	4,774018667	-0,02904633	0,980067939	Agbl4	
17294149	6,071654	6,144567	6,225284	6,005244	6,144895	6,204228	6,1471683	6,118122333	-0,029046	0,980068166	Ube2ql1	
17516921	8,43189	8,573111	8,270804	8,306251	8,347554	8,53491	8,4252683	8,396238333	-0,02903	0,980079035	Zfp259	
17475755	3,322206	3,540407	3,796921	3,974299	3,400055	3,198091	3,553178	3,524148333	-0,02902967	0,980079261	---	
17509083	6,629443	6,642874	6,309982	6,381268	6,377421	6,736539	6,527433	6,498409333	-0,02902367	0,980083337	Fam149a	
17549900	4,404077	4,561078	4,486261	4,456066	4,398849	4,509431	4,4838053	4,454782	-0,02902333	0,980083564	---	
17249774	3,811035	3,376992	3,530435	3,559201	3,55901	3,513194	3,5728207	3,543801667	-0,029019	0,980086508	LOC432562	
17316328	9,860774	9,965966	10,04917	9,968193	9,993806	9,826867	9,9586367	9,929622	-0,02901467	0,980089452	Cct5	
17521875	9,072656	9,23769	9,116838	9,249309	9,007434	9,083418	9,1423947	9,113387	-0,02900767	0,980094207	Slc25a20	
17207317	3,882657	3,770771	3,578918	3,835778	3,357953	3,951613	3,7441153	3,715114667	-0,02900067	0,980098962	---	
17408696	5,755488	5,974505	5,66516	5,636443	5,781979	5,889757	5,7983843	5,769393	-0,02899133	0,980105303	Rsbn1	
17480358	8,605992	8,551855	8,520559	8,437846	8,618281	8,535387	8,5594687	8,530504667	-0,028964	0,980123872	Ints4	
17223828	3,689075	3,607848	3,496643	3,776946	3,583302	3,346454	3,5978553	3,568900667	-0,02895467	0,980130213	Cryge	
17360206	10,08074	10,26057	10,12795	10,01976	10,17573	10,18692	10,15642	10,12747	-0,02895	0,980133384	Sfr1	
17268634	8,252372	8,291802	8,221921	8,167885	8,309238	8,202131	8,255365	8,226418	-0,028947	0,980135422	---	
17351384	9,048954	9,058313	9,027044	8,96289	9,071294	9,0133	9,0447703	9,015828	-0,02894233	0,980138592	Sec11c	
17449634	10,27384	10,09796	9,894417	9,8102	10,34904	10,02016	10,088739	10,0598	-0,028939	0,980140857	---	
17337169	6,537457	6,58366	6,801966	6,642473	6,60755	6,586263	6,6410277	6,612095333	-0,02893233	0,980145386	Cchcr1	
17510850	3,471066	3,576084	3,570672	3,554914	3,51828	3,457851	3,539274	3,510348333	-0,02892567	0,980149915	4930579O11Rik	
17529529	8,536869	8,740558	8,610106	8,576309	8,642059	8,58239	8,6291777	8,600252667	-0,028925	0,980150368	Syncrip	
17381448	7,531472	7,551823	7,587507	7,689271	7,492454	7,402369	7,556934	7,528031333	-0,02890267	0,980165541	5430407P10Rik	
17234694	8,385043	8,619512	8,291191	8,369057	8,402876	8,437111	8,4319153	8,403014667	-0,02890067	0,9801669	Ube2g2	
17535173	3,048734	3,152698	2,923839	3,176197	2,955266	2,907131	3,041757	3,012864667	-0,02889233	0,980172562	---	
17265851	3,360341	3,328425	3,273032	3,275424	3,284351	3,315359	3,3205993	3,291711333	-0,028888	0,980175506	---	
17443635	6,623886	6,741903	6,699826	6,828374	6,60312	6,547468	6,6885383	6,659654	-0,02888433	0,980177997	Lrch4	
17394905	3,664317	3,600475	3,834693	3,71913	3,859629	3,434074	3,6998283	3,670944333	-0,028884	0,980178223	4930529I22Rik	
17540497	3,970976	3,078887	3,119031	3,4552	3,148931	3,47838	3,3896313	3,360837	-0,02879433	0,980239146	---	
17449899	9,667001	9,602277	9,604982	9,589499	9,612263	9,586126	9,6247533	9,595962667	-0,02879067	0,980241637	Cnot6l	
17219407	8,276165	7,689876	7,694385	7,838863	7,933936	7,801266	7,8868087	7,858021667	-0,028787	0,980244128	Slamf1	
17393022	8,062558	8,319881	8,301543	8,151549	8,206307	8,239781	8,227994	8,199212333	-0,02878167	0,980247752	Pdrg1	
17204579	6,331768	6,880578	7,241076	6,801437	6,962466	6,603191	6,8178073	6,789031333	-0,028776	0,980251602	---	
17515106	5,856958	5,733242	5,94244	5,894649	5,708871	5,842793	5,8442133	5,815437667	-0,02877567	0,980251829	Pde4a	
17383216	5,495711	5,409703	5,495828	5,598869	5,496571	5,219499	5,4670807	5,438313	-0,02876767	0,980257264	Slc2a6	
17362646	5,928728	5,85243	5,9748	5,884392	5,926181	5,859083	5,9186527	5,889885333	-0,02876733	0,980257491	Dagla	
17466426	6,091652	5,79549	5,974152	5,909446	5,925171	5,940405	5,9537647	5,925007333	-0,02875733	0,980264286	Olfr455	
17385750	3,53934	3,300268	3,277284	3,225107	3,5355	3,270024	3,3722973	3,343543667	-0,02875367	0,980266777	---	
17292990	6,7243	6,694459	6,611504	6,700872	6,709924	6,533231	6,6767543	6,648009	-0,02874533	0,980272439	Tifab	
17264053	5,011201	5,065327	5,272192	5,071896	5,077202	5,11342	5,11624	5,087506	-0,028734	0,98028014	Zfp287	
17491759	6,377901	6,414274	6,213175	6,053267	6,207215	6,658668	6,3351167	6,306383333	-0,02873333	0,980280593	Peg12	
17346603	5,088529	5,158481	4,817611	5,169307	4,695109	5,114026	5,0215403	4,992814	-0,02872633	0,980285349	2610034M16Rik	
17230970	6,504296	6,651849	6,433467	6,469532	6,622889	6,41105	6,5298707	6,501157	-0,02871367	0,980293956	Rps6kc1	
17261455	5,043638	5,279217	5,114769	5,219895	5,061377	5,070211	5,1458747	5,117161	-0,02871367	0,980293956	Gm12108	
17218813	6,064724	6,593154	6,084505	6,096036	6,406911	6,153454	6,247461	6,218800333	-0,02866067	0,98032997	2810422O20Rik	
17473660	5,225266	5,020867	5,202483	5,056711	5,101764	5,204178	5,1495387	5,120884333	-0,02865433	0,980334273	Zfp418	
17466424	3,437945	3,70701	3,376416	3,325376	3,603622	3,506428	3,5071237	3,478475333	-0,02864833	0,98033835	---	
17266732	4,505842	4,472156	4,532056	4,453726	4,51527	4,455125	4,5033513	4,474707	-0,02864433	0,980341068	Accn1	
17520392	3,997895	3,865929	4,323195	3,889036	4,140269	4,071787	4,0623397	4,033697333	-0,02864233	0,980342427	---	
17343181	6,169859	5,849953	5,857452	5,730038	6,110272	5,951032	5,959088	5,930447333	-0,02864067	0,98034356	Tmprss3	
17341712	6,746153	6,506077	6,923898	6,632559	6,745368	6,71229	6,725376	6,696739	-0,028637	0,980346052	Amdhd2	
17329316	6,187096	5,835433	5,766215	5,731414	6,086073	5,885399	5,9295813	5,900962	-0,02861933	0,980358057	Dgkg	
17531531	5,55789	5,70872	5,938656	5,694227	5,696476	5,728747	5,7350887	5,706483333	-0,02860533	0,98036757	Scap	
17511316	13,99932	13,96785	13,96336	13,89622	13,98189	13,96662	13,976843	13,94824333	-0,0286	0,980371194	---	
17542725	10,9391	11,05852	10,97209	10,94876	10,96102	10,97413	10,989903	10,96130333	-0,0286	0,980371194	---	
17322099	6,235012	6,201269	6,371165	6,092538	6,327995	6,301161	6,2691487	6,240564667	-0,028584	0,980382067	Krt78	
17550649	3,000425	2,984602	3,036481	2,959038	3,03295	2,943776	3,0071693	2,978588	-0,02858133	0,980383879	---	
17364828	4,852934	4,929066	4,952878	4,806091	4,979967	4,863107	4,911626	4,883055	-0,028571	0,980390901	Crtac1	
17494735	5,542302	5,526079	5,209933	5,545605	5,579528	5,067511	5,4261047	5,397548	-0,02855667	0,980400642	---	
17465480	4,345406	4,580987	4,705426	4,54754	4,587029	4,411611	4,5439397	4,515393333	-0,02854633	0,980407664	Mir96	
17546088	3,929466	4,176792	4,027791	4,190629	4,016637	3,841146	4,044683	4,016137333	-0,02854567	0,980408117	Gm15232	
17326754	3,543965	3,445601	3,462139	3,359114	3,453884	3,553077	3,4839017	3,455358333	-0,02854333	0,980409702	Gm16509	
17262224	7,635886	7,84838	7,981987	8,098201	7,320753	7,961712	7,8220843	7,793555333	-0,028529	0,980419443	9930111J21Rik1	
17452396	7,75129	7,743102	7,874267	7,770613	7,850824	7,661691	7,789553	7,761042667	-0,02851033	0,980432128	Vps29	
17294397	5,341661	5,059476	5,341208	5,145762	5,305334	5,205746	5,2474483	5,218947333	-0,028501	0,980438471	Ccdc127 // Ccdc127	
17260630	5,264442	5,34364	5,462441	5,529076	5,239741	5,216232	5,356841	5,328349667	-0,02849133	0,980445041	---	
17547622	3,600502	3,618397	3,702366	3,713269	3,563839	3,558699	3,6404217	3,611935667	-0,028486	0,980448665	Zic5 // Zic5	
17538161	7,711047	8,123426	7,684296	8,017847	7,646732	7,768734	7,8395897	7,811104333	-0,02848533	0,980449118	Prps1	
17348069	6,848181	6,534451	6,261121	6,572576	6,267648	6,718082	6,5479177	6,519435333	-0,02848233	0,980451157	Gm1976	
17280677	3,701513	3,896979	3,896527	4,018251	3,790591	3,600751	3,831673	3,803197667	-0,02847533	0,980455914	---	
17449562	7,303334	6,777217	6,74449	6,849956	6,878013	7,011649	6,9416803	6,913206	-0,02847433	0,980456594	Rassf6	
17227532	4,474256	4,45353	4,650986	4,351662	4,622118	4,519576	4,5262573	4,497785333	-0,028472	0,980458179	---	
17202635	5,975583	5,712687	5,447192	5,451081	6,17928	5,419795	5,7118207	5,683385333	-0,02843533	0,980483098	---	
17233888	9,814906	9,839736	9,770721	9,869984	9,760517	9,709576	9,8084543	9,780025667	-0,02842867	0,980487629	Herc4	
17464143	5,246654	5,330202	5,510581	5,744364	5,074151	5,183652	5,362479	5,334055667	-0,02842333	0,980491254	5330439B14Rik	
17404520	4,303756	3,997956	4,173977	4,016077	4,320177	4,054223	4,158563	4,130159	-0,028404	0,980504393	Lrrc34	
17481485	3,508718	3,543482	3,32564	3,279649	3,35166	3,661339	3,45928	3,430882667	-0,02839733	0,980508924	---	
17453347	6,631556	7,071984	7,005474	6,929736	6,777028	6,917102	6,9030047	6,874622	-0,02838267	0,980518892	Gtf2ird1	
17374423	4,242861	4,025019	3,918715	4,180669	4,016583	3,904233	4,0621983	4,033828333	-0,02837	0,980527501	---	
17227138	10,06343	9,958272	9,841673	9,862354	9,934077	9,981859	9,9544583	9,926096667	-0,02836167	0,980533165	Tmem183a	
17365160	7,848811	7,919423	7,988066	7,837402	7,757545	8,076297	7,9187667	7,890414667	-0,028352	0,980539735	Mrpl43	
17288187	10,76735	10,866	10,91285	10,8205	10,80326	10,8374	10,848733	10,82038667	-0,02834667	0,98054336	---	
17494101	7,69625	8,120461	7,364648	7,727728	7,795099	7,573492	7,7271197	7,698773	-0,02834667	0,98054336	Trim21	
17288695	11,17907	11,38173	11,436	11,38456	11,38646	11,14078	11,332267	11,30393333	-0,02833333	0,980552422	Rpl37a // Rpl37a	
17201867	5,437766	5,399424	5,372526	5,291701	5,407334	5,425688	5,4032387	5,374907667	-0,028331	0,980554008	---	
17282797	8,007035	8,038772	8,032406	8,000798	8,039562	7,952861	8,026071	7,997740333	-0,02833067	0,980554235	Pomt2	
17499728	6,142681	5,963019	6,140472	6,162997	5,999267	5,998942	6,0820573	6,053735333	-0,028322	0,980560125	Defa23	
17455717	5,346281	4,767257	4,850821	5,030307	4,911111	4,938019	4,9881197	4,959812333	-0,02830733	0,980570094	Gm6367	
17487686	4,935874	5,122984	4,994967	4,777837	5,183848	5,007233	5,0179417	4,98963933	-0,02830233	0,980573492	Zfp61	
17219160	4,839621	4,752079	4,853104	4,646717	4,945504	4,767685	4,8149347	4,786635333	-0,02829933	0,9805755531	Uhmk1	
17443390	5,409995	5,330288	5,52412	5,200056	5,641721	5,337776	5,4214677	5,393184333	-0,02828333	0,980586406	2310043J07Rik	
17460398	8,207451	8,308771	8,251005	8,190462	8,203575	8,288343	8,2557423	8,22746	-0,02828233	0,980587086	Snrpg	
17518417	7,977346	8,193609	8,13939	7,983093	8,048792	8,19367	8,1034483	8,075185	-0,02826333	0,9806	2010321M09Rik	
17404462	5,677448	5,683534	5,83132	5,726336	5,441875	5,939333	5,7307673	5,702514667	-0,02825267	0,98060725	Mir3092	
17507879	6,424325	6,477286	6,732141	6,637684	6,545944	6,365374	6,544584	6,516334	-0,02825	0,980609063	LOC100861745	
17225478	7,827899	7,968234	7,916603	7,953811	7,901928	7,772264	7,9042453	7,876001	-0,02824433	0,980612914	Ilkap	
17215296	4,444923	4,422976	4,537339	4,489625	4,425194	4,405696	4,4684127	4,440171667	-0,028241	0,98061518	A530079E22Rik // A530079E22Rik	
17487457	6,868583	7,162872	6,606536	6,889563	6,762246	6,901524	6,8793303	6,851111	-0,02821933	0,980629907	Bcl3	
17266685	7,219601	7,525592	7,338449	7,212067	7,434169	7,352749	7,361214	7,332995	-0,028219	0,980630134	5730455P16Rik	
17509271	5,952008	5,254567	5,287603	5,614601	5,410519	5,384412	5,4980593	5,469844	-0,02821533	0,980632626	---	
17217969	5,018983	5,091331	4,597118	4,979078	4,897541	4,746192	4,9024773	4,874270333	-0,028207	0,98063829	Kcnt2	
17467464	4,758348	4,821668	4,819581	4,660366	4,574812	5,079813	4,7998657	4,771663667	-0,028202	0,980641689	---	
17348453	11,50184	11,38378	11,39433	11,18955	11,49954	11,50627	11,42665	11,39845333	-0,02819667	0,980645314	---	
17238580	9,1156	9,40728	9,204575	9,088973	9,261528	9,292396	9,242485	9,214299	-0,028186	0,980652565	Sarnp	
17206447	7,72453	7,83054	7,752445	7,741152	7,659946	7,8219	7,7691717	7,740999333	-0,02817233	0,980661855	---	
17277592	11,7522	11,59842	11,57403	11,56873	11,58274	11,68869	11,64155	11,61338667	-0,02816333	0,980667972	Gstz1	
17386692	13,11919	13,20224	13,22994	13,16811	13,20307	13,09571	13,18379	13,15563	-0,02816	0,980670238	Rps6 // Rps6	
17468093	4,226901	4,232517	4,112875	4,199233	4,237312	4,051271	4,1907643	4,162605333	-0,028159	0,980670918	---	
17527495	9,244935	9,216546	9,415248	9,357764	9,250251	9,184248	9,292243	9,264087667	-0,02815533	0,98067341	Commd4	
17485437	5,765495	5,739102	5,848916	5,718156	5,76072	5,790214	5,7845043	5,756363333	-0,028141	0,980683153	Fgf4	
17458665	3,978019	4,001556	4,053536	4,062777	3,945794	3,940122	4,011037	3,982897667	-0,02813933	0,980684286	Gm20260	
17350088	5,845261	6,068869	5,844084	5,947474	5,949271	5,7771	5,9194047	5,891281667	-0,028123	0,980695389	Mir5097 // Mir5097	
17351168	4,678956	4,607363	4,607681	4,562201	4,660595	4,586888	4,6313333	4,603228	-0,02810533	0,980707398	Htr4	
17423806	4,496742	4,492182	4,456637	4,495788	4,481364	4,3841	4,4818537	4,453750667	-0,028103	0,980708985	Spaca1	

17460714	4,628246	4,959215	4,521609	4,77883	4,727765	4,518182	4,7030233	4,674925667	-0,02809767	0,98071261	Gm1965	
17476199	7,685049	7,491038	7,282435	7,37926	7,448014	7,546966	7,486174	7,45808	-0,028094	0,980715103	Zfp790	
17239989	6,25126	6,349322	6,419137	6,599142	6,308461	6,027873	6,3399063	6,311825333	-0,028081	0,98072394	---	
17200553	5,971119	5,186208	5,673888	6,233273	5,461943	5,051757	5,610405	5,582324333	-0,02808067	0,980724166	---	
17494576	7,191999	7,247057	7,265829	7,180472	7,19075	7,249428	7,2349617	7,206883333	-0,02807833	0,980725753	Rrp8	
17268598	8,021961	8,138555	7,714612	7,897296	8,022991	7,870654	7,958376	7,930313667	-0,02806233	0,980736629	Pip4k2b	
17524322	2,907183	3,08947	3,247274	3,058651	2,973872	3,127217	3,081309	3,053246667	-0,02806233	0,980736629	Olfr24	
17405510	5,020128	5,190327	5,202947	5,322097	4,983935	5,023195	5,1378007	5,109742333	-0,02805833	0,980739348	Arhgef26 // Arhgef26	
17244435	6,751105	6,752633	6,725312	6,663275	6,78005	6,701557	6,7430167	6,714960667	-0,028056	0,980740935	4932415G12Rik	
17463898	9,213005	9,10553	8,94092	8,99338	9,132771	9,049148	9,086485	9,058433	-0,028052	0,980743654	Dera	
17447143	7,766257	7,705913	7,664592	7,57291	7,715664	7,764048	7,712254	7,684207333	-0,02804667	0,980747279	Tmem129	
17288381	5,240331	5,46265	5,388251	5,365932	5,218334	5,422865	5,363744	5,335710333	-0,02803367	0,980756117	1700001L19Rik	
17486481	5,134284	4,697425	5,129959	5,106129	5,136002	4,635477	4,9872227	4,959202667	-0,02802	0,980765408	Aurkc // Aurkc	
17514460	6,272979	6,341839	6,265845	6,517151	6,113319	6,166179	6,2935543	6,265549667	-0,02800467	0,980775831	Pdgfd	
17265379	4,559363	4,606485	4,661275	4,61536	4,303763	4,824045	4,609041	4,581056	-0,027985	0,980789201	---	
17320809	4,987888	4,905988	4,99552	5,119731	4,794193	4,891523	4,963132	4,935149	-0,027983	0,980790561	---	
17466670	5,530813	5,713048	5,474135	5,668375	5,435128	5,530569	5,5726653	5,544690667	-0,02797467	0,980796226	Dfna5	
17203489	5,635658	5,180223	6,128188	6,045242	5,36541	5,449496	5,648023	5,620049333	-0,02797367	0,980796906	---	
17205021	4,953214	5,182313	6,175307	5,342234	5,520954	5,363746	5,4369447	5,408978	-0,02796667	0,980801665	---	
17209211	4,953214	5,182313	6,175307	5,342234	5,520954	5,363746	5,4369447	5,408978	-0,02796667	0,980801665	---	
17478263	8,218976	8,088921	7,985246	7,948057	8,188586	8,072635	8,0977143	8,069759333	-0,027955	0,980809597	Tmem86a	
17516074	6,494375	6,485073	6,365731	6,500029	6,471608	6,28973	6,448393	6,420455667	-0,02793733	0,980821607	Esam	
17487242	5,192039	4,995076	5,279212	5,007163	5,282551	5,092811	5,1554423	5,127508333	-0,027934	0,980823873	Ckm // Ckm	
17498607	7,975582	8,043563	7,952508	8,024101	7,966799	7,896969	7,990551	7,962623	-0,027928	0,980827953	Mcoln1	
17527548	5,900194	5,81945	5,869894	5,967325	5,635248	5,903212	5,8631793	5,835261667	-0,02791767	0,980834978	Lman1l	
17458431	4,047324	3,637563	4,03462	3,927414	3,712434	3,995921	3,9065023	3,87589667	-0,02791267	0,980838377	Svs1	
17487156	5,02176	4,84462	4,972182	4,822364	5,175581	4,756885	4,9461873	4,918276667	-0,02791067	0,980839737	---	
17430997	7,364173	7,301517	7,462315	7,253284	7,401211	7,389799	7,3760017	7,348098	-0,02790367	0,980844496	Wdtc1	
17496532	7,136638	7,037163	7,276996	7,006051	7,120885	7,24016	7,1502657	7,122365333	-0,02790033	0,980846762	2900092E17Rik	
17233208	3,365805	3,153102	3,249829	3,149976	3,38646	3,148616	3,2562453	3,228350667	-0,02789467	0,980850615	---	
17406941	7,50473	7,502683	7,506587	7,518806	7,450339	7,461193	7,5046667	7,476779333	-0,02788733	0,980855601	Mtx1	
17534112	12,35011	12,34509	12,30056	12,26344	12,33269	12,31598	12,33192	12,30403667	-0,02788333	0,98085832	Slc25a5	
17243247	9,249674	9,578273	9,422182	9,370661	9,362074	9,433761	9,4167097	9,388832	-0,02787767	0,980862173	Mrpl54	
17349369	8,006061	8,195445	7,930476	7,979106	7,977191	8,092135	8,043994	8,016144	-0,02785	0,980880983	Apc	
17508907	8,493578	8,63024	8,393513	8,492422	8,474148	8,467257	8,505777	8,477942333	-0,02783467	0,980891408	Mtus1	
17320838	4,232684	4,091998	3,730347	4,141468	3,940176	3,889891	4,018343	3,990511667	-0,02783133	0,980893674	LOC100043315	
17438361	8,371878	8,373943	8,190197	8,13884	8,395019	8,318689	8,312006	8,284182667	-0,02782333	0,980899114	Cep135	
17322465	4,35168	4,219012	4,434089	4,29886	4,223599	4,398959	4,334927	4,307139333	-0,02778767	0,980923364	Olfr15	
17283117	5,2237	5,371459	5,293662	5,095104	5,511467	5,198941	5,2962737	5,2685 04	-0,02776967	0,980935603	Kcnk10	
17266362	11,90248	12,08583	12,121	12,05639	11,9827	11,98692	12,036437	12,00867	-0,02776667	0,980937642	Rpl23a	
17537464	4,651863	5,475831	5,090132	4,924556	5,328758	4,881229	5,0726087	5,044847667	-0,027761	0,980941495	Gm17361	
17370309	8,423523	8,244543	8,186996	8,213097	8,351349	8,207333	8,2850207	8,257259667	-0,027761	0,980941495	Ptgs1	
17321666	3,724906	3,559469	3,653149	3,628577	3,601889	3,623791	3,6458413	3,618085667	-0,02775567	0,980945122	1700030F18Rik	
17299313	5,14038	4,899045	5,046559	4,942382	5,09766	4,962685	5,0286613	5,000909	-0,02775233	0,980947388	---	
17374391	4,057816	4,184824	4,103479	4,008152	4,0481	4,206614	4,115373	4,087622	-0,027751	0,980948295	---	
17504222	5,839297	5,831869	6,049108	5,759645	5,957083	5,920302	5,906758	5,87901	-0,027748	0,980950335	Ccdc135	
17480235	4,589656	4,376965	4,622569	4,410502	4,486417	4,609045	4,52973	4,501988	-0,027742	0,980954414	---	
17506661	8,041373	8,040052	8,097226	8,036856	8,100851	7,957746	8,0595503	8,031817667	-0,02773267	0,98096076	Afg3l1	
17305953	4,13965	4,006033	3,802598	4,021713	4,171139	3,672273	3,9827603	3,955041667	-0,02771867	0,98097028	Olfr734	
17300504	8,184027	8,13508	8,584351	8,403547	8,279371	8,137485	8,3011527	8,273467667	-0,027685	0,980993172	Pck2	
17498663	6,967703	6,864333	6,969342	7,102224	6,541704	7,074407	6,9337927	6,906111667	-0,027681	0,980995892	C330021F23Rik	
17336970	5,835768	6,063181	5,739972	5,870081	5,639441	6,046374	5,8796403	5,851965333	-0,027675	0,980999972	Gpank1	
17520169	4,049646	4,784493	4,404725	4,315119	4,412186	4,428597	4,4129547	4,385300667	-0,027654	0,981014251	---	
17385840	4,962584	4,762869	4,634628	4,626331	4,70779	4,943021	4,7866937	4,759047333	-0,02764633	0,981019465	Fign	
17455659	6,144427	5,950987	6,098831	6,030644	5,984693	6,095984	6,0647483	6,037107	-0,02764133	0,981022865	A430089I19Rik	
17285751	2,990809	3,080006	3,55397	3,426273	3,089468	3,02613	3,2082617	3,180623667	-0,027638	0,981025131	Vmn1r194	
17310432	8,07022	8,218119	7,928854	7,993272	8,116448	8,024593	8,0723977	8,044771	-0,02762667	0,981032838	Mtmr12	
17262339	11,96888	12,05614	12,04954	11,86364	12,08903	12,03906	12,024853	11,99724333	-0,02761	0,981044171	---	
17242931	8,260095	8,433827	8,526813	8,347162	8,289197	8,501566	8,4069117	8,379308333	-0,02760333	0,981048705	Tcf3	
17490960	8,076061	8,37386	8,291313	8,169213	8,191981	8,297266	8,247078	8,219486667	-0,02759133	0,981056865	Cyth2	
17342496	6,735875	6,914422	6,914176	6,970243	6,811246	6,700216	6,8548243	6,827235	-0,02758933	0,981058225	Rab40c	
17474350	3,780855	4,232648	4,114413	3,98205	4,107993	3,955116	4,0426387	4,015053	-0,02758567	0,981060718	---	
17256242	6,674382	6,760929	6,808801	6,69297	6,750903	6,717511	6,7480373	6,720461333	-0,027576	0,981067292	Rara	
17328244	4,471423	4,715767	4,199139	4,485231	4,393522	4,424885	4,4621097	4,434546	-0,02756367	0,981075679	2310015D24Rik	
17497246	7,226613	7,330511	7,217244	7,235785	7,22637	7,229523	7,2581227	7,230559333	-0,02756333	0,981075905	Adam12	
17431924	4,356614	4,236675	4,771248	4,416077	4,477591	4,388235	4,4548457	4,427301	-0,02754467	0,981088599	4933427I22Rik	
17317210	11,63667	11,68386	11,62418	11,59535	11,56895	11,69778	11,648237	11,62069333	-0,02754333	0,981089506	---	
17464258	3,823215	3,496506	3,539098	3,631457	3,678389	3,466348	3,6196063	3,592064667	-0,02754167	0,98109064	---	
17210795	2,821468	3,172809	3,274614	3,104557	3,168705	2,913024	3,0896303	3,062095333	-0,027535	0,981095173	---	
17336403	6,049664	5,975648	5,985884	5,860416	5,96803	6,100149	6,003732	5,976198333	-0,02753367	0,98109608	Gm19450 // Gm19450	
17395006	5,66725	5,744448	6,007133	5,791889	5,893332	5,651041	5,806277	5,778754	-0,027523	0,981103334	---	
17280041	6,043707	6,084329	6,198562	6,094641	6,039407	6,110033	6,108866	6,081360333	-0,02750567	0,981115121	Fam84a	
17543630	4,382094	4,34032	4,695789	4,377076	4,556733	4,401887	4,4727343	4,445232	-0,02750233	0,981117388	---	
17246547	6,821504	6,500371	6,652009	6,66157	6,560977	6,668855	6,6579613	6,630467333	-0,027494	0,981123055	Patz1	
17411392	6,998964	7,37475	7,217968	6,997313	7,218329	7,293585	7,1972273	7,169742333	-0,027485	0,981129176	Fpgt	
17202375	4,78579	4,97645	4,504273	5,282301	3,980991	4,92077	4,7555043	4,728020667	-0,02748367	0,981130083	---	
17224201	4,725873	4,595864	4,747969	4,639479	4,76213	4,58565	4,689902	4,662419667	-0,02748233	0,981130989	6030407O03Rik	
17405642	4,258774	3,940659	3,937562	4,045754	4,164972	3,843894	4,045665	4,018206667	-0,02745833	0,981147311	Vmn2r-ps11	
17550693	11,42123	11,3285	11,39339	11,3851	11,29336	11,38234	11,38104	11,3536	-0,02744	0,981159779	---	
17227771	4,131815	4,057611	4,199544	4,090001	4,215702	4,000954	4,1296567	4,102219	-0,02743767	0,981161366	Rgs13	
17203249	5,005292	5,406042	5,116048	5,138357	5,013622	5,293102	5,175794	5,148360333	-0,02743367	0,981164087	---	
17437366	4,597962	4,611714	4,368647	4,602637	4,484253	4,409142	4,5261077	4,498677333	-0,02743033	0,981166354	5730480H06Rik	
17353581	5,283657	5,384386	5,266597	5,267167	5,398316	5,186867	5,3115467	5,284116667	-0,02743	0,98116658	Lrrtm2	
17282905	9,078099	9,036667	9,209154	9,058882	9,137976	9,044797	9,1079733	9,080551667	-0,02742167	0,981172248	Snw1	
17362616	7,500697	7,548853	7,56897	7,459727	7,517173	7,559371	7,5395067	7,512090333	-0,02741633	0,981175875	Gm98	
17481190	3,448341	3,508002	3,191457	3,701462	2,9679	3,396193	3,3826	3,355185	-0,027415	0,981176782	Olfr597	
17334716	4,862711	4,833601	4,633386	4,874867	4,675531	4,697137	4,776566	4,749178333	-0,02738767	0,981195371	Chtf18 // Chtf18	
17295259	4,642598	4,588918	4,611794	4,688264	4,35373	4,719205	4,6144367	4,587066333	-0,02737033	0,98120716	1700029F12Rik	
17421187	7,09332	7,210959	7,017691	7,079135	7,066301	7,094428	7,1073233	7,079954667	-0,02736867	0,981208294	Pramef8	
17487272	7,537131	7,5242	7,541669	7,471052	7,524822	7,525056	7,5343333	7,506976667	-0,02735667	0,981216455	Bloc1s3	
17423037	7,824834	7,676408	7,490285	7,506276	7,685161	7,718022	7,6638423	7,636486333	-0,027356	0,981216909	Impad1	
17311490	3,116272	3,381729	2,979486	3,081581	3,206209	3,107682	3,1591623	3,131824	-0,02733833	0,981228924	---	
17325014	9,829422	9,854676	9,797531	9,685517	9,852186	9,861912	9,8272097	9,799871667	-0,027338	0,981229151	Snx4	
17347406	8,117206	8,246737	8,054015	8,188593	8,112127	8,035228	8,1393193	8,111982667	-0,02733667	0,981230058	Prkd3	
17470435	7,659882	7,731378	7,704497	7,600871	7,797112	7,615786	7,6985857	7,671256333	-0,02732933	0,981235045	Cecr5	
17387792	3,212083	3,32017	3,433415	3,369018	3,199524	3,31514	3,3218893	3,294560667	-0,02732867	0,981235499	Olfr74	
17546532	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17546535	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17546544	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17546547	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17546553	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100504515	
17546611	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17547107	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17547127	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100862076	
17547138	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17547200	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17547208	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100504515	
17547211	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17547217	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17547312	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	---	
17547324	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17547335	5,281668	5,90249	6,170363	5,59936	6,091127	5,582078	5,7848403	5,757521667	-0,02731867	0,9812423	LOC100039675	
17262964	4,471268	4,280169	4,583082	4,389364	4,321946	4,541291	4,4448397	4,417533667	-0,027306	0,981250915	Fat2	
17345712	6,188661	6,014972	6,333878	6,165155	6,149475	6,140989	6,1791703	6,151873	-0,02729733	0,98125681	Gm14872 // Gm14872	
17472772	3,744303	3,957006	3,630951	3,76158	3,697218	3,791586	3,77742	3,750128	-0,027292	0,981260438	Sspn	
17303490	3,816414	3,47031	4,016322	3,616855	3,839231	3,76514	3,767682	3,740408667	-0,02727333	0,981273134	---	
17345422	6,329892	6,177693	6,445206	6,270859	6,274312	6,325821	6,317597	6,290330667	-0,02726633	0,981277895	Cul9	
17473732	3,454969	3,36612	3,816422	3,471551	3,693175	3,391037	3,545837	3,518587667	-0,02724933	0,981289458	Vmn1r78	
17538628	6,870288	6,907508	7,019415	6,875691	6,726077	7,113793	6,9324037	6,905187	-0,02721667	0,981311678	Fgd1	
17491420	6,841463	6,708664	6,765328	6,777479	6,757488	6,698883	6,7718183	6,744616667	-0,02720167	0,98132188	Svip	
17238208	6,414621	6,469026	6,560676	6,426173	6,551318	6,385228	6,481441	6,454239667	-0,02720133	0,981322107	---	
17542971	3,41583	3,390872	3,542922	3,303991	3,503705	3,460393	3,4498747	3,422696333	-0,02717833	0,981337752	Gm8787	
17358236	6,642892	7,052364	6,482211	6,734322	6,790096	6,571514	6,7258223	6,698644	-0,02717833	0,981337752	---	
17436399	8,357687	8,331129	8,388877	8,236779	8,266337	8,493097	8,359231	8,332071	-0,02716	0,981350223	Ywhah	
17465478	3,873555	3,642624	3,900723	3,600915	4,061167	3,673349	3,805634	3,778477	-0,027157	0,981352263	Mir182	
17291694	9,130851	8,975481	9,074526	8,817783	9,198534	9,083098	9,060286	9,033138333	-0,02714767	0,981358612	Serpinb1a	
17405604	5,130356	5,392597	5,366194	5,581085	5,160498	5,066146	5,2963823	5,269243	-0,02713933	0,981364281	---	
17474799	4,122786	4,110637	3,934753	3,925875	4,083529	4,077398	4,0560587	4,028934	-0,02712467	0,981374257	Vmn1r160	
17211090	7,790245	7,741677	7,766906	7,7461	7,7461	7,725295	7,766276	7,739165	-0,027111	0,981383554	Cspp1	
17368947	7,173956	7,315944	7,289112	7,009354	7,388535	7,299835	7,2596707	7,232574667	-0,027096	0,981393758	Odf2	
17437937	9,795397	9,696751	9,690236	9,560614	9,780304	9,760209	9,7274613	9,700375667	-0,02708567	0,981400787	Slc30a9	
17248890	7,507982	7,637402	7,904325	7,800678	7,85311	7,314673	7,6832363	7,656153667	-0,02708267	0,981402828	Gnb2l1	
17353121	7,668813	7,858817	7,650398	7,701249	7,740395	7,655145	7,7260093	7,698929667	-0,02707967	0,981404868	Zfp191	
17459482	4,484426	4,643296	4,55533	4,335755	4,868842	4,397233	4,5610173	4,533943333	-0,027074	0,981408723	Cd8a	

17497885	7,765981	7,516616	7,644943	7,59723	7,702708	7,546439	7,6425133	7,615459	-0,02705433	0,981422102	Pddc1	
17519259	7,994556	8,136638	8,112907	7,922528	8,114334	8,12614	8,081367	8,054334	-0,027033	0,981436614	Ccpg1	
17549914	6,147331	6,182765	6,265408	6,128977	6,292332	6,09313	6,1985013	6,171479667	-0,02702167	0,981444324	---	
17543889	4,233733	3,777399	3,902449	4,052613	3,806231	3,973675	3,9711937	3,944173	-0,02702067	0,981445005	---	
17511474	5,033404	4,948603	5,106832	4,932508	4,995271	5,080015	5,029613	5,002598	-0,027015	0,981448859	Cbln1	
17431496	10,20921	10,2158	10,17498	10,18713	10,12562	10,20623	10,199997	10,17299333	-0,02700333	0,981456796	Pnrc2	
17319122	4,67888	5,166749	4,692248	4,709383	4,836932	4,910571	4,845959	4,818962	-0,026997	0,981461105	---	
17286141	3,798979	3,769011	3,769037	3,744872	3,687603	3,823617	3,779009	3,752030667	-0,02697833	0,981473804	Prl3c1	
17535957	9,206141	9,12283	9,113646	9,062222	9,1341	9,165362	9,147539	9,120561333	-0,02697767	0,981474257	Brcc3	
17356356	5,658627	5,789517	5,694625	5,876955	5,354026	5,830866	5,7142563	5,687282333	-0,026974	0,981476752	Rin1	
17359316	11,10329	11,12776	11,21394	11,58169	10,94138	10,841	11,14833	11,12135667	-0,02697333	0,981477205	Cyp2c37	
17201187	9,687166	9,769424	9,77581	9,370142	9,748964	10,03238	9,7441333	9,717162	-0,02697133	0,981478566	---	
17440538	5,594305	5,792391	5,804172	5,612953	5,664718	5,832285	5,7302893	5,703318667	-0,02697067	0,981479019	Galnt9	
17494115	4,391086	4,368949	4,19916	4,360727	4,269965	4,247607	4,3197317	4,292766333	-0,02696533	0,981482648	Olfr553	
17442898	8,105149	8,13592	8,063577	7,964812	8,12347	8,135479	8,1015487	8,074587	-0,02696167	0,981485142	Mrps17	
17324679	11,15836	11,25105	10,98929	11,10908	11,11912	11,08963	11,1329	11,10594333	-0,02695667	0,981488544	---	
17517619	8,299882	8,291259	8,220091	8,203698	8,288656	8,238036	8,2704107	8,243463333	-0,02694733	0,981494893	Ptpn9	
17354969	10,51752	10,53632	10,48539	10,41848	10,50107	10,53886	10,513077	10,48613667	-0,02694	0,981499882	Txnl1	
17200775	5,159999	5,409658	5,413231	5,352056	5,081923	4,468103	4,994296	4,967360667	-0,02693533	0,981503057	---	
17450763	5,813833	5,831474	5,824164	5,694086	5,7956	5,898985	5,823157	5,796223667	-0,02693333	0,981504418	Cplx1	
17315860	4,303501	4,322284	4,101388	4,217299	4,262002	4,1671	4,242391	4,215467	-0,026924	0,981510768	Slc1a3	
17515726	4,197948	4,347713	4,588973	4,392895	4,528521	4,132477	4,3782113	4,351297667	-0,02691367	0,981517798	Gm7244	
17514422	3,267784	3,023606	3,180534	3,187853	3,086518	3,116818	3,157308	3,130396333	-0,02691167	0,981519158	---	
17519316	4,707733	4,417554	4,686026	4,575536	4,706387	4,448681	4,603771	4,576868	-0,026903	0,981525055	Wdr72	
17494476	4,583283	4,595678	4,826765	4,702717	4,534074	4,688295	4,6685753	4,641695333	-0,02688	0,981540703	Olfr690	
17450338	5,38781	5,446756	5,424399	5,451635	5,309365	5,417363	5,419655	5,392787667	-0,02686733	0,981549321	Klhl8	
17464263	6,739771	5,454663	6,467963	6,117686	6,242054	6,222066	6,220799	6,193935333	-0,02686367	0,981551815	Tuba3b // Tuba3a	
17421521	3,453524	3,443313	3,384489	3,314151	3,562432	3,324155	3,4271087	3,400246	-0,02686267	0,981552496	Gm13154	
17288484	6,078411	5,820873	5,980886	5,845454	6,061751	5,892404	5,9600567	5,933203	-0,02685367	0,981558619	Slc6a3	
17340043	4,880646	4,677463	4,880658	4,745057	4,894174	4,719001	4,8129223	4,786077333	-0,026845	0,981564515	4933433H22Rik	
17296161	5,131584	5,086386	5,111986	5,13935	5,152115	4,957976	5,1099853	5,083147	-0,02683833	0,981569051	---	
17305353	4,179128	4,019471	3,916933	3,892703	4,167639	3,974709	4,0385107	4,011683667	-0,026827	0,981576762	---	
17549810	3,860469	3,693575	3,765228	3,688154	3,89454	3,656127	3,7730907	3,746273667	-0,026817	0,981583566	---	
17201401	2,95004	3,265193	3,066267	2,88482	3,464684	2,851547	3,0938333	3,067017	-0,02681633	0,981584019	---	
17334502	6,565117	6,454739	6,560021	6,510675	6,47234	6,516415	6,5266257	6,49981	-0,02681567	0,981584473	Ift140	
17467495	6,079886	5,937726	5,433042	5,833597	5,668294	5,868337	5,8168847	5,790076	-0,02680867	0,981589236	---	
17262990	9,818967	9,944283	9,920922	9,862241	9,884718	9,85681	9,894724	9,867923	-0,026801	0,981594452	Sparc	
17430878	11,70271	11,65291	11,76234	11,66098	11,68071	11,69589	11,705987	11,67919333	-0,02679333	0,981599668	Atpif1	
17548699	4,528621	4,385672	4,455558	4,550747	4,461832	4,276893	4,456617	4,429824	-0,026793	0,981599895	A930006D01Rik	
17351913	8,205869	8,420255	8,261707	8,152115	8,315003	8,340354	8,2959437	8,269157333	-0,02678633	0,981604431	Ier3ip1	
17211844	5,699904	5,75179	5,744051	5,603654	5,797096	5,714639	5,731915	5,705129667	-0,02678533	0,981605112	D430040D24Rik	
17363755	8,166553	8,261309	8,008909	7,831794	8,114733	8,40989	8,1455903	8,118805667	-0,02678467	0,981605565	---	
17421981	5,31973	4,922112	5,162237	5,305387	4,921031	5,097324	5,134693	5,107914	-0,026779	0,981609421	Tnfrsf9	
17308525	9,734121	9,841557	9,717931	9,896435	9,662838	9,654012	9,7645363	9,737761667	-0,02677467	0,981612369	Fndc3a	
17533350	6,092378	6,020867	5,956262	6,153342	5,835742	6,0001	6,023169	5,996394667	-0,02677433	0,981612596	Gm14634	
17449008	7,13389	7,059059	7,255523	7,23693	6,9588	7,172468	7,1494907	7,122732667	-0,026758	0,981623709	Aasdh	
17351700	4,662301	4,53769	4,666059	4,724062	4,523981	4,537771	4,6220167	4,595271333	-0,02674533	0,981632328	D730045A05Rik	
17364017	3,572802	3,994832	3,601418	3,738666	3,743706	3,606458	3,7230173	3,696276667	-0,02674067	0,981635503	---	
17468387	5,512439	5,56263	5,548641	5,474972	5,5658	5,502738	5,5412367	5,514503333	-0,02673333	0,981640493	Fbxo41	
17353509	5,867831	5,742564	5,653166	5,746663	5,734244	5,702462	5,7545203	5,727789667	-0,02673067	0,981642307	Gfra3	
17535951	8,200603	8,321724	7,991283	8,081121	8,08833	8,264012	8,1712033	8,144487667	-0,02671567	0,981652514	Fundc2	
17501148	7,802413	8,06729	7,590408	7,717148	7,784832	7,877987	7,820037	7,793322333	-0,02671467	0,981653194	Aga	
17247593	6,50492	6,649664	6,991117	6,648198	6,871897	6,545484	6,7152337	6,688526333	-0,02670733	0,981658184	---	
17548371	7,726809	8,02715	8,063109	7,901449	7,877604	7,957924	7,9390227	7,912325667	-0,026697	0,981665215	---	
17550609	6,823205	6,818491	6,861092	6,808762	7,010708	6,603245	6,8342627	6,807571667	-0,026691	0,981669298	---	
17319035	4,771062	4,944968	5,036576	4,736055	5,272218	4,664269	4,9175353	4,890847333	-0,026688	0,981671339	---	
17483194	4,42473	4,526093	4,886942	4,514367	4,630418	4,612945	4,6125883	4,58591	-0,02667833	0,981677917	Sez6l2	
17239769	3,669045	3,596592	3,704204	3,644739	3,649288	3,595794	3,6566137	3,629940333	-0,02667333	0,981681319	Taar9	
17437974	5,400587	4,691798	4,881098	4,854892	4,978129	5,060443	4,991161	4,964488	-0,026673	0,981681546	---	
17330795	3,48971	3,532504	3,621223	3,511107	3,511107	3,541249	3,5478123	3,521154333	-0,026658	0,981691753	---	
17203641	3,283309	3,917241	4,34726	4,413149	4,036506	3,018256	3,84927	3,822637	-0,026633	0,981708764	---	
17317500	9,593786	9,493403	9,515711	9,473284	9,5257	9,524025	9,5343	9,507669667	-0,02663033	0,981710579	Asap1	
17432423	4,935796	5,047325	5,318328	4,92297	5,395175	4,903429	5,100483	5,073858	-0,026625	0,981714208	6330411D24Rik	
17550753	4,071712	4,168393	4,044078	3,913899	4,194398	4,09603	4,0947277	4,068109	-0,02661867	0,981718518	---	
17350876	4,966162	4,833825	5,098216	4,904181	5,012988	4,901181	4,9660677	4,93945	-0,02661767	0,981719198	Adamts19	
17447868	10,10807	10,08859	9,990867	10,12189	9,983861	10,002	10,062509	10,035917	-0,026592	0,981736664	Tapt1	
17403598	4,851763	4,616076	4,923035	5,145648	4,502477	4,662983	4,796958	4,770369333	-0,02658867	0,981738932	Gm1653 // Gm1653	
17540870	4,797295	4,1288	4,191728	4,73879	4,114697	4,184584	4,3726077	4,346023667	-0,026584	0,981742108	---	
17450121	7,7984	7,902877	7,739315	7,849416	7,900892	7,610548	7,8135307	7,786952	-0,02657867	0,981745737	Plac8	
17497334	12,19875	12,28627	12,24814	12,13586	12,20073	12,31684	12,244387	12,21781	-0,02657667	0,981747098	Mki67	
17548021	4,650362	4,931296	4,811132	4,649471	4,85873	4,804896	4,7975967	4,771032333	-0,02656433	0,981755491	---	
17254631	3,160284	3,164388	3,526043	3,369447	3,118141	3,283444	3,2835717	3,257010667	-0,026561	0,981757759	---	
17543664	6,461947	6,233835	6,882958	6,541614	6,558805	6,39867	6,5262467	6,499696333	-0,02655033	0,981765018	Cited1	
17354269	5,548607	5,651874	5,127046	5,174037	5,459369	5,614472	5,442509	5,415959333	-0,02654967	0,981765471	Ticam2	
17268572	6,534155	6,556084	6,694977	6,328141	6,637061	6,740401	6,595072	6,568534333	-0,02653767	0,981773638	E130012A19Rik	
17354367	7,090539	7,377819	7,091972	7,090952	7,203229	7,186564	7,1867767	7,160248333	-0,02652833	0,981779989	Lox	
17403950	7,767926	7,939685	7,82414	7,994538	7,848745	7,608904	7,843917	7,817395667	-0,02652133	0,981784753	Wls	
17387770	3,56443	3,254078	3,133532	3,605337	3,163402	3,103743	3,3173467	3,290827333	-0,02651933	0,981786114	Olfr1136	
17249863	4,939996	4,876306	4,800212	4,791553	4,860447	4,884969	4,8721713	4,845656333	-0,026515	0,981789063	Gria1	
17544868	3,896796	3,649445	3,833831	4,064709	3,666157	3,56969	3,7933573	3,766852	-0,02650533	0,981795641	---	
17445255	7,263587	6,936585	7,008149	7,092194	6,978616	7,05803	7,0694403	7,042946667	-0,02649367	0,981803581	---	
17363702	3,266902	3,271656	3,238233	3,180753	3,38583	3,130727	3,2589303	3,232436667	-0,02649367	0,981803581	---	
17229128	7,227405	7,382138	7,35763	7,342954	7,44031	7,104475	7,322391	7,295913	-0,026478	0,981814242	BC055324	
17477714	4,661674	4,163637	4,456774	4,542699	4,344795	4,315185	4,4273617	4,400893	-0,02646867	0,981820594	Slc17a7	
17211848	3,315004	3,189692	3,458276	3,425215	3,425523	3,03287	3,3209907	3,294536	-0,02645467	0,981830122	---	
17520671	4,803426	4,689651	4,660298	4,784228	4,642478	4,647453	4,7177917	4,691386333	-0,02640533	0,981863696	7420426K07Rik	
17245418	5,920059	5,878034	6,053932	6,187438	5,744577	5,8408	5,950675	5,924271667	-0,02640333	0,981865058	Llph // Llph	
17389161	4,340982	4,171923	4,416216	4,546979	4,210737	4,092199	4,309707	4,283305	-0,026402	0,981865965	Ano3	
17309673	3,476569	3,457542	3,466981	3,487098	3,660327	3,174466	3,4670307	3,440630333	-0,02640033	0,981867099	---	
17403706	8,978347	8,992671	8,814003	8,780025	9,001045	8,924766	8,9283403	8,901945333	-0,026395	0,981870729	Pigk // Pigk	
17439897	7,003455	6,730757	6,944559	6,846456	6,842954	6,910236	6,8929237	6,866548667	-0,026375	0,981884341	---	
17231621	3,492238	3,472953	3,495993	3,462026	3,56873	3,351325	3,4870613	3,460693667	-0,02636767	0,981889332	4930567K20Rik	
17306102	3,108293	2,998193	2,990604	3,114227	2,989989	2,913786	3,0323633	3,006000667	-0,02636267	0,981892735	Ang2	
17493368	7,927649	7,808367	7,758822	7,79194	7,761131	7,862758	7,8316127	7,805276333	-0,02633633	0,981910657	Zfp161 // Zfp161	
17322944	4,437469	4,536101	4,332922	4,373352	4,593429	4,260729	4,4354973	4,40917	-0,02632733	0,981916783	Tnfrsf17	
17483303	7,167868	6,871315	7,034988	6,845321	7,053456	7,096427	7,0247237	6,998401333	-0,02632233	0,981920186	Prr14	
17239698	4,453805	4,530048	4,82804	4,47674	4,621063	4,635161	4,6039643	4,577654667	-0,02630967	0,981928807	E030030I06Rik // E030030I06Rik	
17333776	3,017385	3,072617	3,035039	2,993136	3,003762	3,049228	3,0416803	3,015375333	-0,026305	0,981931983	Vmn2r96	
17228204	10,28916	10,39095	10,32781	10,31098	10,41295	10,20508	10,335973	10,30967	-0,02630333	0,981933118	Dhx9	
17391056	8,213564	8,551182	8,368442	8,263906	8,647378	8,143041	8,3777293	8,351441667	-0,02628767	0,981943781	Atp8b4	
17420110	6,208302	6,285615	6,495232	6,321814	6,395006	6,193477	6,3297163	6,303432333	-0,026284	0,981946276	---	
17458299	6,200436	5,897655	5,879319	5,905362	6,144563	5,84864	5,99247	5,966188333	-0,02628167	0,981947865	Zfp862	
17549496	3,277307	3,188689	3,251461	3,290653	3,256818	3,091145	3,2391523	3,212872	-0,02628033	0,981948772	---	
17549646	3,277307	3,188689	3,251461	3,290653	3,256818	3,091145	3,2391523	3,212872	-0,02628033	0,981948772	---	
17531176	7,161121	7,345885	7,288924	7,399186	7,294091	7,023875	7,26531	7,239050667	-0,02625933	0,981963065	Tcta	
17398863	9,199743	9,255207	9,309349	9,193012	9,206339	9,286194	9,2547663	9,228515	-0,02625133	0,981968511	Hdgf	
17214124	3,071393	3,071938	3,047028	3,141128	2,996357	2,974147	3,063453	3,037210667	-0,02624233	0,981974637	---	
17408297	5,804471	5,766319	5,912372	5,927981	5,747878	5,728621	5,8277207	5,801493333	-0,02622733	0,981984846	Hsd3b4	
17408306	5,804471	5,766319	5,912372	5,927981	5,747878	5,728621	5,8277207	5,801493333	-0,02622733	0,981984846	Hsd3b4	
17206593	3,479367	3,419347	3,827011	4,201708	3,176404	3,268951	3,5752417	3,549021	-0,02622067	0,981989384	---	
17222440	8,297724	8,450028	8,454713	8,400913	8,398516	8,324467	8,4008217	8,374632	-0,02618967	0,982010485	Rev1	
17536221	5,184969	4,982156	5,091746	5,034545	5,134819	5,010952	5,0862903	5,060105333	-0,026185	0,982013661	Gm5072	
17536223	5,184969	4,982156	5,091746	5,034545	5,134819	5,010952	5,0862903	5,060105333	-0,026185	0,982013661	Gm5072	
17459038	6,930766	6,707626	6,714211	6,693274	7,006317	6,574507	6,784201	6,758032667	-0,02616833	0,982025006	Herc3	
17209649	2,858603	2,688712	3,233192	2,873788	2,987816	2,840412	2,9268357	2,900672	-0,02616367	0,982028183	---	
17499922	9,107974	9,136054	9,032147	9,042655	9,11497	9,040075	9,0920583	9,0659	-0,02615833	0,982031813	Mrps31	
17395227	10,15047	10,53161	10,34548	10,3715	10,13251	10,4451	10,34252	10,31637	-0,02615	0,982037485	---	
17255963	6,620418	6,642168	6,719534	6,732593	6,545972	6,625137	6,6607067	6,634567333	-0,02613933	0,982044746	Stard3	
17451400	4,474734	4,564452	4,485778	4,56801	4,464808	4,413758	4,5083213	4,482192	-0,02612933	0,982051553	1700069L16Rik	
17295525	8,725842	8,938702	8,705978	8,77209	8,839622	8,680425	8,790174	8,764045667	-0,02612833	0,982052234	Bdp1	
17499540	7,125854	7,23807	7,1733	7,033663	7,111234	7,314041	7,1790747	7,152979333	-0,02609533	0,982074698	Mcph1	
17517248	10,97778	10,97478	10,89888	10,88903	10,9558	10,92833	10,95048	10,92438667	-0,02609333	0,982076059	Rdx	
17529017	3,372638	3,375033	3,247584	3,254039	3,36654	3,296397	3,3317517	3,305658667	-0,026093	0,982076286	Gsta2	
17406512	3,212663	3,200019	3,185615	3,139688	3,153601	3,226746	3,1994323	3,173345	-0,02608733	0,982080143	---	
17234210	3,550533	3,56083	3,546666	3,453909	3,606243	3,51964	3,5526763	3,526597333	-0,026079	0,982085816	---	
17244362	5,954212	6,060907	5,924331	5,801673	6,028092	6,031464	5,9798167	5,953743	-0,02607367	0,982089447	4933408J17Rik // 4933408J17Rik	
17203927	5,703055	6,028165	6,004879	5,682055	6,073897	5,901946	5,912033	5,885966	-0,026067	0,982093985	---	
17373585	5,682166	5,504435	5,768558	5,570341	5,897583	5,40908	5,6517197	5,625668	-0,02605167	0,982104423	Alx4	
17364521	6,988025	7,013055	7,105771	7,209867	6,938404	6,880426	7,035617	7,009565667	-0,02605133	0,98210465	Aldh18a1	
17292698	8,933536	8,971383	8,97943	9,010638	8,888052	8,90751	8,9614497	8,9354	-0,02604967	0,982105784	4833439L19Rik	
17244909	3,037839	3,078665	2,996545	3,092639	3,087135	2,855157	3,037683	3,011643667	-0,02603933	0,982112819	---	
17205251	5,711185	5,389279	5,734925	5,12236	5,744442	5,890469	5,6117963	5,585757	-0,02603933	0,982112819	---	
17209441	5,711185	5,389279	5,734925	5,12236	5,744442	5,890469	5,6117963	5,585757	-0,02603933	0,982112819	---	
17345004	6,231915	6,202518	6,165401	6,084627	6,130375	6,306715	6,1999447	6,173905667	-0,026039	0,982113046	LOC100862363	

17331846	5,18893	4,92684	5,055422	5,107571	4,975849	5,009724	5,057064	5,031048	-0,026016	0,982128703	Krtap27-1	
17463702	6,760226	6,612837	6,580516	6,679751	6,54208	6,653711	6,651193	6,625180667	-0,02601233	0,982131199	Loh12cr1	
17454908	7,635335	7,575575	7,637357	7,547552	7,663031	7,559655	7,616089	7,590079333	-0,02600967	0,982133015	Aimp2	
17549118	3,710788	3,765048	4,061893	3,780371	3,816258	3,863114	3,8459097	3,819914333	-0,02599533	0,982142772	---	
17523201	6,038196	5,803679	6,061052	6,055074	5,948613	5,821295	5,9676423	5,941660667	-0,02598167	0,982152076	Myrip	
17422573	11,11771	11,19995	11,16455	11,14673	11,17577	11,08179	11,160737	11,13476333	-0,02597333	0,982157749	Gnb1	
17484708	3,014961	2,935387	3,149559	3,028983	2,732558	3,260476	3,0333023	3,007339	-0,02596333	0,982164557	---	
17325784	5,080895	5,069527	5,197062	5,008048	5,072313	5,189271	5,115828	5,089877333	-0,02595067	0,98217318	Sidt1 // Sidt1	
17542034	3,706691	3,585365	3,479486	3,533467	3,653373	3,506867	3,590514	3,564569	-0,025945	0,982177038	Cdr1	
17549038	12,91993	13,06664	12,97478	12,9549	12,96569	12,96294	12,987117	12,96117667	-0,02594	0,982180442	---	
17549160	12,91993	13,06664	12,97478	12,9549	12,96569	12,96294	12,987117	12,96117667	-0,02594	0,982180442	---	
17370364	3,406027	3,488903	3,687266	3,57253	3,523196	3,408746	3,5273987	3,501490667	-0,025908	0,982202228	Olfr360	
17335929	4,717158	4,32604	4,702548	4,490994	4,569011	4,608026	4,5819153	4,556010333	-0,025905	0,98220427	Wiz // Wiz	
17303979	6,954952	7,035185	7,035666	6,833193	7,174355	6,940542	7,008601	6,982696667	-0,02590433	0,982204724	Comtd1	
17216718	6,658629	6,877999	6,792077	6,634452	6,758335	6,858254	6,776235	6,750347	-0,025888	0,982215844	Ddx18 // Ddx18	
17377691	8,324701	8,321648	8,381425	8,166356	8,496535	8,28723	8,3425913	8,316707	-0,02588433	0,982218341	Tbc1d20	
17472321	3,728017	3,809139	3,854239	3,808267	3,910437	3,595049	3,7971317	3,771251	-0,02588067	0,982220837	Plcz1	
17512554	8,823497	9,278945	8,458155	8,658289	8,953613	8,871072	8,8535323	8,827658	-0,02587433	0,982225149	Psmb10	
17542076	2,953271	2,986652	2,986392	3,018262	2,880399	2,950062	2,9754383	2,949574333	-0,025864	0,982232184	Mir463	
17550677	8,625845	8,57045	8,774596	8,576356	8,794208	8,522775	8,6569637	8,631113	-0,02585067	0,982241262	---	
17413866	5,689954	5,639709	5,658617	5,547757	5,783023	5,57998	5,66276	5,63692	-0,02584	0,982248524	Col15a1	
17357120	5,784234	5,669296	6,288756	5,795294	6,162107	5,707405	5,9140953	5,888268667	-0,02582667	0,982257602	Chrm1	
17540154	10,69416	10,90645	10,64666	10,74352	10,70106	10,72521	10,74909	10,72326333	-0,02582667	0,982257602	Cybb	
17404254	3,694005	3,497726	3,573714	3,44169	3,750946	3,495355	3,5884817	3,562663667	-0,025818	0,982263503	4930433B08Rik	
17381468	5,994153	5,955678	6,125129	6,12199	5,913146	5,962405	6,0249867	5,999180333	-0,02580633	0,982271446	---	
17329877	7,178181	7,055705	7,148848	7,035562	7,180718	7,089048	7,127578	7,101776	-0,025802	0,982274396	1700021K19Rik	
17303333	5,180772	5,120235	4,697303	5,153294	4,664467	5,103209	4,9994367	4,973656667	-0,02578	0,982289375	D830030K20Rik	
17456736	6,683491	6,598848	6,715281	6,633115	6,61733	6,669897	6,6658733	6,640114	-0,02575933	0,982303447	Ahcyl2	
17542382	9,58286	9,738682	9,666091	9,646946	9,625835	9,637577	9,6625443	9,636786	-0,02575833	0,982304128	Bcap31	
17282649	5,528203	5,390306	5,432267	5,412084	5,570826	5,290627	5,4502587	5,424512333	-0,02574633	0,982312298	Rps6kl1	
17480384	7,714299	7,647496	7,611741	7,649398	7,536187	7,710768	7,6578453	7,632117667	-0,02572767	0,982325008	---	
17546093	9,429531	9,403053	9,331597	9,268842	9,436041	9,382124	9,3880603	9,362335667	-0,02572467	0,982327051	Tmsb4x	
17278688	8,035604	8,354896	8,41646	8,368322	8,366628	7,994887	8,2689867	8,243279	-0,02570767	0,982338626	Mir673	
17301207	4,97988	4,626135	5,04474	4,795229	4,959725	4,818729	4,883585	4,857894333	-0,02569067	0,982350202	2700070H01Rik // 2700070H01Rik	
17541002	5,517466	5,48417	5,718071	5,719227	5,616628	5,3068	5,5732357	5,547551667	-0,025684	0,982354741	Rpl39	
17283051	6,195537	5,839335	6,366295	6,255621	6,082374	5,986127	6,1337223	6,108040667	-0,02568167	0,98235633	---	
17349634	7,309241	7,293919	7,366394	7,199642	7,402476	7,290414	7,3231847	7,297510667	-0,025674	0,98236155	0610010O12Rik	
17314900	8,04647	8,023956	7,921033	7,813855	8,022488	8,078098	7,997153	7,971480333	-0,02567267	0,982362458	2310016M24Rik	
17339706	7,49787	7,623641	7,373972	7,487526	7,594093	7,336868	7,4984943	7,472829	-0,02566533	0,982367452	Ttc27	
17473439	7,591566	7,704845	7,740063	7,62572	7,574758	7,759081	7,6788247	7,653186333	-0,02563833	0,982385837	Zfp524	
17219983	3,945776	3,79473	3,855239	3,920858	3,594465	4,003574	3,8652483	3,839632333	-0,025616	0,982401045	---	
17550536	13,81382	13,81761	13,76297	13,73619	13,73904	13,84233	13,798133	13,77252	-0,02561333	0,982402861	---	
17302418	4,198845	4,299013	4,511389	4,24424	4,242867	4,44531	4,3364157	4,310805667	-0,02561	0,98240513	Uchl3	
17383927	4,141447	4,113184	4,047098	3,914315	4,299623	4,010966	4,1005763	4,074968	-0,02560833	0,982406265	---	
17402052	8,831918	8,713395	8,73405	8,778011	8,746194	8,678335	8,7597877	8,73418	-0,02560767	0,982406719	Sass6	
17300135	3,300326	3,5098	3,344056	3,335984	3,406196	3,335209	3,3847273	3,359129667	-0,02559767	0,982413529	---	
17230166	6,876876	6,994241	6,738336	6,95251	6,676854	6,903302	6,8698177	6,844222	-0,02559567	0,982414891	Opn3	
17283871	5,628153	5,500116	5,468791	5,479257	5,44532	5,59574	5,5323533	5,506772333	-0,025581	0,982424878	Bcl11b	
17295496	5,216492	5,287703	5,484557	5,360638	5,245702	5,305693	5,329584	5,304011	-0,025573	0,982430326	Cartpt	
17244070	9,209181	9,194978	9,140152	9,089769	9,118714	9,259111	9,181437	9,155864667	-0,02557233	0,98243078	Nr1h4	
17206739	5,639435	5,486985	5,183934	5,733944	5,181878	5,317828	5,4367847	5,411216667	-0,025568	0,982433731	---	
17316826	4,332201	3,804186	3,985977	4,112693	4,003415	3,929587	4,040788	4,015231667	-0,02555633	0,982441675	Tmem74	
17403318	3,741747	3,358089	3,710679	3,685392	3,476589	3,571942	3,603505	3,577974333	-0,02553067	0,982459154	A830019L24Rik	
17549106	4,033562	4,152621	4,203824	4,176895	4,065412	4,071132	4,1300023	4,104479667	-0,02552267	0,982464602	---	
17460059	9,199373	9,233233	9,176302	9,124897	9,187629	9,219815	9,2029693	9,177447	-0,02552233	0,982464829	Mob1a	
17441412	7,965153	8,081291	8,004711	8,013096	7,925423	8,036127	8,0170517	7,991548667	-0,025503	0,982477995	Wsb2	
17461465	4,510143	4,646507	4,42846	4,415897	4,61588	4,476829	4,52837	4,502868667	-0,02550133	0,98247913	---	
17418972	4,882555	4,783194	4,759425	4,713868	4,86432	4,770498	4,8083913	4,782895333	-0,025496	0,982482762	---	
17415236	3,955879	3,754791	4,100282	3,90652	3,822562	4,005388	3,936984	3,91149	-0,025494	0,982484124	---	
17338660	6,340604	6,238292	6,207663	6,19067	6,356293	6,163118	6,2621863	6,236693667	-0,02549267	0,982485032	Shd	
17286344	7,783717	7,787367	7,741316	7,792086	7,763728	7,68012	7,7708	7,745311333	-0,02548867	0,982487756	Wrnip1	
17332038	6,916691	6,884613	6,764626	6,846553	6,942038	6,700909	6,85531	6,829833333	-0,02547667	0,982495928	1110004E09Rik	
17524582	4,487021	4,603473	4,550801	4,531403	4,5073	4,526177	4,5470983	4,521626667	-0,02547167	0,982499333	Mir1900	
17256264	10,78959	10,82088	10,85951	10,85685	10,76404	10,77269	10,823327	10,79786	-0,02546667	0,982502738	Igfbp4	
17398873	9,481832	9,420505	9,503853	9,406265	9,413797	9,509729	9,46873	9,443263667	-0,02546633	0,982502965	Mrpl24	
17406938	7,46231	7,418297	7,633153	7,570021	7,50001	7,367335	7,5045867	7,479122	-0,02546467	0,9825041	Scamp3 // Scamp3	
17551163	13,84962	13,87112	13,78735	13,81213	13,81709	13,80249	13,83603	13,81057	-0,02546	0,982507278	---	
17544734	11,21822	10,8363	10,69775	10,84178	10,731	11,10312	10,917423	10,89196667	-0,02545667	0,982509548	Bex1	
17339824	3,852377	4,329344	3,966005	4,063691	3,989219	4,018481	4,049242	4,023797	-0,025445	0,982517494	Vit	
17473611	5,591758	5,513087	5,415405	5,611023	5,461436	5,371475	5,50675	5,481311333	-0,02543867	0,982521807	Gm16532	
17438438	10,61286	10,72976	10,69376	10,69868	10,65512	10,60633	10,678793	10,65337667	-0,02541667	0,98253679	Srp72	
17404371	3,017416	3,018131	3,012079	2,970088	3,069455	2,931843	3,0158753	2,990462	-0,02541333	0,98253906	---	
17219248	5,701015	5,475562	5,638333	5,516232	5,671385	5,551069	5,60497	5,579562	-0,025408	0,982542692	Adamts4	
17397434	5,323792	5,262206	5,521027	5,384726	5,176931	5,469157	5,3690083	5,343604667	-0,02540367	0,982545643	4930577N17Rik	
17365848	8,4645	8,336466	8,419199	8,221766	8,495949	8,426308	8,4067217	8,381341	-0,02538067	0,982561308	Dclre1a	
17403108	5,66519	5,960352	5,847879	6,271118	5,666275	5,459886	5,8244737	5,799093	-0,02538067	0,982561308	Adh6-ps1	
17501160	7,495533	7,305461	7,461388	7,385402	7,437863	7,363001	7,420794	7,395422	-0,025372	0,98256721	Vegfc	
17466546	4,933128	4,692054	5,358196	4,541552	5,307263	5,058471	4,9944593	4,969095333	-0,025364	0,982572659	Zfp786	
17374053	10,82	10,81593	10,86983	10,82811	10,78036	10,82121	10,835253	10,80989333	-0,02536	0,982575383	---	
17289645	3,894961	3,80612	3,617569	3,612492	3,90722	3,722866	3,7728833	3,747526	-0,02535733	0,982577199	4933425L06Rik	
17464271	7,376485	7,430398	7,268347	7,264465	7,391567	7,343141	7,35841	7,333057667	-0,02535233	0,982580605	Rassf8	
17309109	2,982007	2,764122	3,023045	3,05558	2,770607	2,86694	2,923058	2,897709	-0,025349	0,982582875	---	
17306524	6,0725	5,986479	5,940615	5,752585	6,122185	6,048787	5,9998647	5,974519	-0,02534567	0,982585145	Efs	
17481640	9,580603	9,79236	9,844563	9,815281	9,656929	9,669282	9,7391753	9,713830667	-0,02534467	0,982585826	Eif3f	
17357224	8,915161	8,297495	8,129833	8,37653	8,624887	8,265068	8,4474963	8,422161667	-0,02533467	0,982592637	---	
17456025	8,213139	8,235948	8,196621	8,163358	8,240363	8,165991	8,215236	8,189904	-0,025332	0,982594453	Phf14	
17474848	3,352076	3,293515	3,206088	3,151885	3,489373	3,134448	3,283893	3,258568667	-0,02532433	0,982599675	Vmn1r171	
17406825	4,660599	4,295297	4,539524	4,348623	4,513792	4,557034	4,4984733	4,473149667	-0,02532367	0,982600129	Rxfp4	
17208083	5,476646	5,542872	5,562077	5,544014	5,502665	5,458948	5,5271983	5,501875667	-0,02532267	0,98260081	---	
17385374	5,37037	5,117972	5,226943	5,40196	5,116943	5,120451	5,2384283	5,213118	-0,02531033	0,98260921	Nr4a2	
17357425	8,930214	8,900474	9,042627	8,813748	8,934021	9,049655	8,9577717	8,932474667	-0,025297	0,982618291	Rab3il1	
17351569	7,479365	7,813897	7,762724	7,779567	7,68736	7,513221	7,6853287	7,660049333	-0,02527933	0,982630324	Rnmt	
17349433	9,512962	9,496671	9,47852	9,417584	9,436077	9,55867	9,496051	9,470777	-0,025274	0,982633957	Kif20a	
17490011	3,812459	3,801942	3,48426	3,841568	3,437795	3,743508	3,6995537	3,674290333	-0,02526333	0,982641222	---	
17279711	3,293919	4,185172	3,556525	3,707492	3,373433	3,878935	3,6785387	3,653286667	-0,025252	0,982648941	---	
17328810	7,459365	7,47728	7,350849	7,459249	7,329563	7,422931	7,4291647	7,403914333	-0,02525033	0,982650076	Dgcr14	
17419034	11,2162	11,17898	11,34403	11,23874	11,17713	11,24761	11,246403	11,22116	-0,02524333	0,982654844	---	
17331270	3,470119	3,444674	3,269278	3,471193	3,494692	3,14254	3,3946903	3,369475	-0,02521533	0,982673916	Olfr204	
17304757	8,521854	8,692269	8,693721	8,543532	8,650766	8,63791	8,635948	8,610736	-0,025212	0,982676186	Mettl6	
17230611	8,908974	8,772429	8,928191	8,825954	8,84724	8,86077	8,8698647	8,844654667	-0,02521	0,982677549	Capn2	
17430207	2,990692	2,969577	3,005546	2,976114	2,893624	3,020522	2,988605	2,96342	-0,025185	0,982694577	---	
17551167	13,60328	13,64152	13,63525	13,5975	13,6351	13,57193	13,626683	13,60151	-0,02517333	0,982702524	---	
17228057	8,926077	9,166462	9,028923	9,098654	8,941261	9,006086	9,0404873	9,015333667	-0,02515367	0,98271592	1700025G04Rik	
17441540	8,53249	8,701397	8,62961	8,585194	8,596434	8,606409	8,6211657	8,596012333	-0,02515333	0,982716147	Med13l	
17289275	8,041975	7,906316	8,231854	8,041552	8,02746	8,035707	8,0600483	8,034906333	-0,025142	0,982723867	Snora47	
17300381	6,383804	6,323075	6,379078	6,389716	6,264477	6,35641	6,3619857	6,336867667	-0,025118	0,982740216	Cmtm5	
17230702	4,720595	5,120315	4,940968	4,853507	4,89498	4,958058	4,9272927	4,902181667	-0,025111	0,982744984	1700056E22Rik	
17258012	4,095643	4,052907	4,150396	3,916487	4,27692	4,030246	4,0996487	4,074551	-0,02509767	0,982754066	Gm11691	
17432330	6,135206	5,670291	6,275506	6,050383	5,864388	6,090948	6,027001	6,001906333	-0,02509467	0,98275611	Ctrc	
17341267	3,651882	3,472129	3,678105	3,468295	3,718513	3,540025	3,6007053	3,575611	-0,02509433	0,982756337	Mirlet7e // Mirlet7e	
17219680	4,673973	4,017881	4,255689	4,242549	4,151596	4,478218	4,3158477	4,290787667	-0,02506	0,982779725	Olfr432	
17424792	4,301169	4,489992	4,800433	4,437607	4,527612	4,551218	4,5305313	4,505479	-0,02505233	0,982784948	4930412F15Rik	
17404941	4,167866	4,035996	4,37505	4,231478	4,042802	4,2295	4,1929707	4,167926667	-0,025044	0,982790624	5430434I15Rik	
17413945	4,581589	4,828437	4,558562	4,589942	4,532622	4,770898	4,656196	4,631154	-0,025042	0,982791987	Nr4a3	
17533416	10,95566	10,8834	10,74584	10,85278	10,76389	10,89312	10,861633	10,83659667	-0,02503667	0,98279562	Ddx3x	
17376270	11,73871	11,98801	12,03368	11,89598	11,98117	11,80816	11,920133	11,89510333	-0,02503	0,982800162	Snord110	
17489094	4,760715	4,59812	4,780492	4,711853	4,714645	4,637773	4,713109	4,688090333	-0,02501867	0,982807882	Nphs1as	
17459799	2,775403	2,833889	2,872129	2,791587	2,88368	2,731117	2,8271403	2,802128	-0,02501233	0,982812197	---	
17315167	7,296342	7,091927	7,232931	7,288485	7,066283	7,191411	7,2070667	7,182059667	-0,025007	0,98281583	Grasp	
17284311	6,342854	6,163395	6,401051	6,264216	6,319988	6,248077	6,3024333	6,277427	-0,02500633	0,982816284	LOC100861919	
17299441	3,345562	3,649094	3,608119	3,472572	3,720562	3,33463	3,5342583	3,509254667	-0,02500367	0,982818101	---	
17441701	8,544092	8,577484	8,619574	8,55996	8,54696	8,559258	8,5803833	8,555392667	-0,02499067	0,982826957	Ddx54	
17449576	2,940733	2,93255	3,083593	3,119155	3,034952	2,7278	2,9856253	2,960635667	-0,02498967	0,982827638	---	
17411457	4,629866	4,207814	4,2708	4,331915	4,367928	4,333671	4,3694933	4,344504667	-0,02498867	0,982828319	Lrrc7	
17497458	4,85617	5,108424	4,740168	4,917948	4,899658	4,812193	4,9015873	4,876599667	-0,02498767	0,982829001	E030019B06Rik	
17265302	6,108958	6,027715	6,385221	6,206612	6,052453	6,187874	6,1739647	6,148979667	-0,024985	0,982830817	---	
17207355	6,872529	5,997268	7,165126	6,659865	6,538281	6,76184	6,6783077	6,653328667	-0,024979	0,982834905	---	
17203579	4,320771	4,641042	4,151721	4,253015	4,819512	3,966078	4,371178	4,346201667	-0,02497633	0,982836721	---	
17252399	9,825361	9,77535	9,598478	9,718981	9,66364	9,74166	9,733063	9,708093667	-0,02496933	0,98284149	Ube2g1	
17238738	6,74452	6,75437	6,645773	6,520243	6,764613	6,784931	6,7148877	6,689929	-0,02495867	0,982848757	Zbtb2	
17468709	12,64652	12,46864	12,48902	12,46925	12,50784	12,55223	12,534727	12,50977333	-0,02495333	0,98285239	---	
17413507	4,341603	4,404428	4,44347	4,322432	4,434941	4,357274	4,3965003	4,371549	-0,02495133	0,982853753	Ccin	
17233070	8,3054	8,666004	8,762182	8,406651	8,679008	8,573181	8,577862	8,552946667	-0,02491533	0,982878279	---	
17255497	7,884933	7,707673	8,128231	7,914964	7,935223	7,795913	7,9069457	7,882033333	-0,02491233	0,982880322	Snf8	

17424263	5,344168	5,27836	5,259196	5,431486	5,26326	5,112278	5,293908	5,269008	-0,0249	0,982888725	2310028H24Rik	
17454142	7,795187	7,845644	7,826372	7,932607	7,5093	7,950604	7,822401	7,797503667	-0,02489733	0,982890542	Gm15753	
17424483	4,450471	4,480776	4,693558	4,703787	4,443529	4,402837	4,5416017	4,516717667	-0,024884	0,982899625	BC049635	
17468505	9,660501	9,703959	9,77713	9,64682	9,706388	9,71376	9,7138633	9,688989333	-0,024874	0,982906438	Pcbp1	
17459276	12,08597	12,13767	12,14077	12,0867	12,1166	12,08655	12,12147	12,09661667	-0,02485333	0,982920519	Serbp1	
17222026	7,096776	7,303433	6,981586	7,065579	7,013281	7,228472	7,127265	7,102444	-0,024821	0,982942548	Zfp451	
17433888	6,051095	6,110384	5,858825	6,068323	5,902997	5,974556	6,006768	5,981958667	-0,02480933	0,982950497	Tmem88b	
17433310	8,226889	8,080502	8,122819	8,068167	8,163225	8,124409	8,1434033	8,118600333	-0,024803	0,982954812	Park7	
17313595	4,261349	4,445879	4,374866	4,165556	4,563571	4,27858	4,360698	4,335902333	-0,02479567	0,982959808	---	
17284560	5,367033	5,377507	5,42237	5,234289	5,403622	5,454682	5,38897	5,364197667	-0,02477233	0,982975706	---	
17509462	7,432276	7,369905	7,507811	7,405987	7,456487	7,373223	7,436664	7,411899	-0,024765	0,982980703	Galnt7	
17498188	4,999228	5,071589	5,222355	5,010326	5,143567	5,06501	5,097724	5,072967667	-0,02475633	0,982986608	Ascl2	
17285785	3,480545	3,616443	3,442791	3,773501	3,493864	3,198156	3,5132597	3,488507	-0,02475267	0,982989106	Vmn1r214	
17290173	11,85291	11,80058	11,76006	11,8332	11,71277	11,79334	11,804517	11,77977	-0,02474667	0,982993194	Hmgcs1	
17476996	3,417889	3,647637	3,320308	3,321015	3,452451	3,538137	3,4619447	3,437201	-0,02474367	0,982995238	Vmn2r-ps54	
17415380	8,13881	8,036031	7,830423	7,907482	7,966836	8,056776	8,0017547	7,977031333	-0,02472333	0,983009093	Mtap	
17510254	8,292278	8,446062	8,382353	7,995272	8,612684	8,438604	8,3735643	8,348853333	-0,024711	0,983017496	Snora68	
17482179	8,144002	8,38593	8,186172	8,207684	8,257392	8,1769	8,2387013	8,213992	-0,02470933	0,983018632	9030624J02Rik	
17279957	5,848094	5,886044	5,924267	5,849405	5,621205	6,113692	5,886135	5,861434	-0,024701	0,98302431	Msgn1	
17468250	8,665392	8,591915	8,597178	8,571203	8,651175	8,558037	8,6181617	8,593471667	-0,02469	0,983031805	Tex261	
17397812	3,880297	3,836715	3,929475	3,769256	3,928148	3,875021	3,8821623	3,857475	-0,02468733	0,983033622	4930593A02Rik	
17438584	7,686599	7,900782	7,652282	7,759093	7,679402	7,727126	7,7465543	7,721873667	-0,02468067	0,983038165	Stap1	
17337955	6,710281	6,622013	6,683598	6,541721	6,805554	6,594623	6,671964	6,647299333	-0,02466467	0,983049067	Mrpl14	
17210749	3,621455	3,737434	3,485844	3,859789	3,309126	3,601824	3,614911	3,590246333	-0,02466467	0,983049067	---	
17214462	6,902618	7,164064	7,215432	6,903067	7,258693	7,046376	7,094038	7,069378667	-0,02465933	0,983052701	Dnajb2	
17211572	6,563607	6,44108	6,549285	6,375684	6,518023	6,586301	6,5179907	6,493336	-0,02465467	0,983055881	Rab23	
17228234	7,62775	7,801596	7,65016	7,602159	7,732779	7,670629	7,6931687	7,668522333	-0,02464633	0,98306156	Npl	
17528878	3,569406	3,49051	3,731291	3,658236	3,457029	3,602003	3,597069	3,572422667	-0,02464633	0,98306156	Scg3	
17549114	3,585382	3,509926	3,922556	3,553545	3,754249	3,636161	3,6726213	3,647985	-0,02463633	0,983068374	---	
17402588	7,513224	7,660618	7,657633	7,721365	7,572855	7,463356	7,6104917	7,585858667	-0,024633	0,983070645	Pla2g12a	
17485968	4,562006	4,56904	4,534104	4,509146	4,553658	4,528489	4,55505	4,530431	-0,024619	0,983080185	Gm1078	
17412115	4,842192	4,807636	4,499839	4,67015	4,648033	4,757657	4,7165557	4,691946667	-0,024609	0,983086999	---	
17331268	3,274523	3,355808	3,402067	3,271215	3,532383	3,155003	3,3441327	3,319533667	-0,024599	0,983093813	Olfr202	
17392884	5,279092	4,993639	4,799334	5,092185	5,127746	4,778353	5,0240217	4,999428	-0,02459367	0,983097448	---	
17261825	7,507813	7,448174	7,489063	7,337681	7,603187	7,430428	7,4816833	7,457098667	-0,02458467	0,983103581	Mat2b	
17207719	5,362099	5,792663	5,543177	5,283905	5,670616	5,669666	5,5659797	5,541395667	-0,024584	0,983104035	---	
17261227	2,821052	2,959056	3,145024	3,011793	2,984364	2,855237	2,975044	2,950464667	-0,02457933	0,983107215	---	
17202035	4,094641	4,309131	3,875641	4,028826	4,034375	4,142475	4,0931377	4,068558667	-0,024579	0,983107442	---	
17413958	8,548509	8,618345	8,492017	8,531265	8,529607	8,524277	8,552957	8,528383	-0,024574	0,983110849	Stx17	
17549886	3,401264	3,527051	3,809699	3,464758	3,605985	3,593565	3,579338	3,554769333	-0,02456867	0,983114484	---	
17218363	5,040196	5,105618	4,9445	4,844293	5,014698	5,157681	5,0301047	5,005557333	-0,02454733	0,983129021	Zfp648	
17483098	5,219116	5,199949	5,126458	5,271323	5,111545	5,089024	5,181841	5,157297333	-0,02454367	0,98313152	Gdpd3	
17290835	5,754534	5,284615	5,855823	5,582485	5,725842	5,513031	5,6316573	5,607119333	-0,024538	0,983135382	Pou6f2	
17279916	5,984257	5,972085	6,25422	6,133267	5,913633	6,090068	6,0701873	6,045656	-0,02453133	0,983139925	Gdf7	
17340424	4,675438	4,249581	4,445987	4,390662	4,481211	4,425544	4,457002	4,432472333	-0,02452967	0,98314106	---	
17381903	6,426535	6,61459	6,244244	6,286121	6,350854	6,574811	6,4284563	6,403928667	-0,02452767	0,983142423	4921530L18Rik	
17390836	4,186221	3,481413	3,640529	3,736125	3,592507	3,905962	3,7693877	3,744864667	-0,024523	0,983145603	4930517E11Rik	
17468004	5,337374	4,95039	5,104134	5,337386	4,936497	5,044467	5,1306327	5,106116667	-0,024516	0,983150374	Fam176a	
17224476	8,591881	8,701304	8,828852	8,62793	8,783869	8,636693	8,7073457	8,682830667	-0,024515	0,983151055	Abcb6	
17548752	4,881453	5,305016	5,245897	5,03862	5,366128	4,954117	5,144122	5,119621667	-0,02450033	0,98316105	Tmem202	
17297710	4,489776	4,248603	4,250809	4,075047	4,332786	4,507872	4,3297293	4,305235	-0,02449433	0,983165139	Gm17747	
17210155	5,643931	6,446157	5,789769	6,034122	6,105278	5,667019	5,9599523	5,935473	-0,02447933	0,983175361	---	
17451536	7,357024	7,437063	7,534378	7,504296	7,437063	7,313697	7,4428217	7,418352	-0,02446967	0,983181949	Mmab	
17547707	5,920463	5,80584	6,16615	5,867478	6,007725	5,943864	5,964151	5,939689	-0,024462	0,983187174	Gm19327	
17421875	4,471663	4,713895	4,235546	4,344294	4,521806	4,481671	4,4737013	4,449257	-0,02444433	0,983199213	Slc2a5	
17539391	4,147116	3,890478	4,190679	4,123601	4,058463	3,972885	4,076091	4,051649667	-0,02444133	0,983201258	---	
17212364	4,59591	4,483616	4,803485	4,384373	4,713032	4,712308	4,6276703	4,603237667	-0,02443267	0,983207164	1500015O10Rik	
17493869	7,095357	7,226122	7,32132	7,25119	7,065729	7,252584	7,2142663	7,189834333	-0,024432	0,983207619	P2ry6	
17243432	6,934129	6,833777	7,088361	6,871424	7,051086	6,860503	6,952089	6,927671	-0,024418	0,98321716	Sirt6	
17246100	6,771881	6,815686	6,714031	6,893436	6,55684	6,778095	6,7671993	6,742790333	-0,024409	0,983223293	Coq10a	
17454033	5,263191	5,127446	5,261807	5,284846	5,327374	4,96703	5,2174813	5,193083333	-0,024398	0,98323079	Epo	
17238172	5,667127	4,982383	5,64116	5,294511	5,252218	5,670753	5,4302233	5,405827333	-0,024396	0,983232153	Rdh16	
17337511	3,983281	3,485364	3,702433	3,655028	3,619096	3,823778	3,7236927	3,699300667	-0,024392	0,983234879	---	
17448645	7,550145	7,82811	7,694606	7,600063	7,763906	7,635756	7,6909537	7,666575	-0,02437867	0,983243966	Nfxl1	
17297305	8,86196	9,052925	8,967514	8,827136	9,014132	8,968013	8,9607997	8,936427	-0,02437267	0,983248056	Ngly1	
17276835	5,464393	5,51472	5,614697	5,486324	5,523035	5,511355	5,53127	5,506904667	-0,02436533	0,983253054	Galntl1	
17220724	6,446564	6,65244	6,409698	6,462329	6,517859	6,45549	6,5029007	6,478559333	-0,02434133	0,983269411	Ptpn14	
17519384	7,543709	7,389656	7,420607	7,326669	7,529112	7,425212	7,451324	7,426997667	-0,02432633	0,983279634	Arpp19	
17205919	3,922102	3,966886	4,566573	4,764064	3,753487	3,865042	4,1518537	4,127531	-0,02432267	0,983282133	---	
17265542	5,301573	5,319646	5,640107	5,237008	5,433124	5,518233	5,420442	5,396121667	-0,02432033	0,983283723	---	
17508380	7,25679	7,268842	7,217676	7,273778	7,093386	7,303195	7,2477693	7,223453	-0,02431633	0,98328645	Letm2	
17479899	9,345093	9,251742	9,388063	9,222189	9,383484	9,306293	9,3282993	9,303988667	-0,02431067	0,983290312	Mesdc2	
17352347	8,937185	9,08071	9,074365	8,990837	9,066978	8,961517	9,0307533	9,006444	-0,02430933	0,98329122	Tmx3	
17334395	7,360427	7,384809	7,450223	7,394277	7,400897	7,32736	7,3984863	7,374178	-0,02430833	0,983291902	Rps2	
17350543	3,897973	3,569988	3,82793	3,835496	3,624162	3,76334	3,765297	3,740999333	-0,02429767	0,983299172	---	
17437371	3,409449	3,284876	3,442636	3,312565	3,438097	3,313472	3,378987	3,354711333	-0,02427567	0,983314167	LOC100505193 // LOC100505193	
17209055	3,156172	3,25485	2,842081	3,014036	3,035633	3,130632	3,0843677	3,060100333	-0,02426733	0,983319847	---	
17549902	4,231631	3,987453	4,261673	4,101728	4,131743	4,17457	4,1602523	4,136013667	-0,02423867	0,983339386	---	
17438496	10,1745	10,05992	9,974367	9,873905	10,17856	10,08361	10,069596	10,04535833	-0,02423733	0,983340294	Polr2b	
17307433	6,982359	6,852265	6,887664	6,876378	6,734132	7,0391	6,9074293	6,883203333	-0,024226	0,983348019	Tnfrsf19	
17479892	11,72482	11,77058	11,72963	11,69618	11,72985	11,72634	11,741677	11,71745667	-0,02422	0,983352109	Hnrnpk // Hnrnpk	
17366906	2,875794	2,922333	2,955964	3,049021	2,835768	2,796679	2,9180303	2,893822667	-0,02420767	0,983360515	---	
17296653	6,105744	5,74098	5,733449	6,049021	5,786159	5,672372	5,8600577	5,835850667	-0,024207	0,98336097	Gm3002	
17354000	4,330806	4,007089	4,147409	4,308971	4,05874	4,044988	4,161768	4,137566333	-0,02420167	0,983364605	---	
17396205	8,295023	8,327255	8,324223	8,26948	8,173965	8,43047	8,3155003	8,291305	-0,02419533	0,983368922	Mtfr1	
17216976	5,59385	5,542086	5,59726	5,687017	5,4756	5,497996	5,577732	5,553537667	-0,02419433	0,983369604	Faim3	
17346633	3,396971	3,408854	3,250892	3,405702	3,456627	3,121814	3,352239	3,328047667	-0,02419133	0,983371649	---	
17461335	6,290949	6,185877	6,475934	6,176076	6,38852	6,315752	6,3175867	6,293449333	-0,02413733	0,983408457	Setmar	
17511122	3,553973	3,679012	3,458736	3,33215	3,733544	3,553688	3,563907	3,539794	-0,024113	0,983425044	---	
17250145	4,734932	4,781469	5,055219	4,747922	4,839833	4,911537	4,8572067	4,833097333	-0,02410933	0,983427543	---	
17412855	10,34885	10,24112	10,07733	10,03182	10,40216	10,161	10,222433	10,19832667	-0,02410667	0,983429361	---	
17209937	7,153269	6,822587	6,47258	6,688585	6,621775	7,065811	6,8161453	6,792057	-0,02408833	0,983441858	---	
17322480	9,426067	9,461525	9,219458	9,302113	9,354988	9,377701	9,3690167	9,344934	-0,02408267	0,983445721	---	
17471893	4,249129	3,788428	3,814606	4,134933	3,896031	3,748973	3,950721	3,926645667	-0,02407533	0,98345072	Tas2r105	
17244702	5,406343	5,395897	5,466647	5,395606	5,370673	5,430399	5,4229623	5,398892667	-0,02406967	0,983454583	C230021G24Rik	
17281332	4,734053	4,525037	4,619244	4,625238	4,667344	4,513549	4,6261113	4,602043667	-0,02406767	0,983455946	---	
17547913	10,64658	11,00979	10,91196	10,86932	10,78675	10,84009	10,85611	10,83205333	-0,02405667	0,983463444	Gm5215	
17485449	6,401258	6,472427	6,366814	6,344419	6,300608	6,523323	6,4134997	6,38945	-0,02404967	0,983468216	Oraov1	
17247215	4,551282	4,678368	4,840186	4,589519	4,752222	4,656033	4,6899453	4,665924667	-0,02402067	0,983487985	Gm11992	
17313169	8,862903	8,888755	8,955236	8,875919	8,85958	8,899344	8,902298	8,878281	-0,024017	0,983490485	Tnrc6b	
17351230	3,694206	3,375751	3,84608	3,460086	3,802482	3,581424	3,638679	3,614664	-0,024015	0,983491848	---	
17455793	8,128237	8,020938	7,909715	8,118075	7,876402	7,992383	8,01963	7,99562	-0,02401	0,983495257	Gng11	
17419995	7,330636	7,291743	7,405944	7,405633	7,28559	7,265084	7,3427743	7,318769	-0,02400533	0,983498438	Gale	
17325994	6,179481	5,77611	5,9271	5,979156	5,847398	5,984123	5,960897	5,936892333	-0,02400467	0,983498893	---	
17345668	12,41241	12,46391	12,46651	12,43589	12,34497	12,49	12,44761	12,42362	-0,02399	0,983508891	Gm4945	
17331326	4,498525	4,383312	4,350643	4,492621	4,38409	4,28381	4,4108267	4,386840333	-0,02398633	0,983511391	Epha6	
17233736	9,902754	10,03472	9,845955	9,870079	9,985486	9,855914	9,9278097	9,903826333	-0,02398333	0,983513436	Sar1a	
17370453	4,344198	4,549477	4,791425	4,995339	4,317669	4,3002	4,5617	4,537736	-0,023964	0,983526616	---	
17351952	5,267996	5,147131	5,324192	5,251093	5,157193	5,259154	5,2464397	5,22248	-0,02395967	0,98352957	St8sia5	
17228652	5,50085	5,586134	5,615145	5,413193	5,679155	5,537912	5,5673763	5,54342	-0,02395633	0,983531843	---	
17362559	8,379215	8,455557	8,532379	8,400291	8,295129	8,599874	8,455717	8,431764667	-0,02395233	0,983534569	Incenp	
17481357	5,645408	5,33219	5,469688	5,066032	5,620708	5,688718	5,4824287	5,458486	-0,02394267	0,98354116	Olfr688	
17203565	5,820082	5,447001	4,922747	5,156139	4,7824	6,179482	5,39661	5,372673667	-0,02393633	0,983554477	---	
17505345	4,312117	4,497438	4,376935	4,56475	4,319132	4,230824	4,3954967	4,371568667	-0,023928	0,983551158	Pmfbp1	
17346272	5,393773	5,432775	5,562035	5,488107	5,206611	5,62221	5,462861	5,438976	-0,023885	0,983580474	Znrf4	
17480740	8,907535	8,794853	8,940551	8,875895	8,637772	9,05769	8,8809797	8,857119	-0,02386067	0,983597064	Ucp2	
17378754	8,559408	8,569844	8,506081	8,38341	8,51782	8,662551	8,545111	8,521260333	-0,02385067	0,983603882	Ctnnbl1	
17389266	3,11195	2,998782	3,154701	3,034688	3,093554	3,065646	3,0884777	3,064629333	-0,02384833	0,983605472	Olfr1277	
17456304	3,268994	2,954694	2,931797	3,036711	3,197253	2,849981	3,0518283	3,027981667	-0,02384667	0,983606609	---	
17291412	3,891693	3,811856	3,641298	3,862146	3,685613	3,725571	3,7816157	3,757776667	-0,023839	0,983611836	Prl2b1	
17204947	5,696305	5,47815	5,708652	5,602612	5,5717	5,637288	5,6277023	5,603866667	-0,02383567	0,983614108	---	
17440757	8,131194	8,11542	8,132206	7,955079	8,291289	8,061007	8,1262733	8,102458333	-0,023815	0,983628199	Iscu	
17223839	3,909155	4,012343	4,072082	3,97804	3,91678	4,027372	3,99786	3,974064	-0,023796	0,983641153	Crygc	
17253133	8,085332	8,103354	8,261072	8,164227	8,08732	8,126825	8,1499193	8,126124	-0,02379533	0,983641608	Fam57a	
17367434	3,14656	3,339454	3,277249	3,140973	3,457703	3,093203	3,254421	3,230626333	-0,02379467	0,983642062	---	
17262277	9,528336	9,492361	9,470636	9,522739	9,462011	9,435209	9,497111	9,473319667	-0,02379133	0,983644335	Cnot6	
17248503	3,528922	3,492943	3,497937	3,606522	3,535636	3,306299	3,5066007	3,482819	-0,02378167	0,983650926	---	
17518298	13,05071	13,09211	13,04639	13,05596	13,01092	13,05099	13,06307	13,03929	-0,02378	0,983652062	Rpl4	
17248719	3,011647	2,901816	3,075396	2,689659	3,239031	2,988864	2,9962863	2,972518	-0,02376833	0,983660017	---	
17465170	4,301635	4,198977	4,15309	4,080111	4,271904	4,230442	4,2179007	4,194152333	-0,02374833	0,983673653	Slc13a1	
17449447	3,611924	3,673815	3,577301	3,417717	3,673728	3,700373	3,6210133	3,597272667	-0,02374067	0,98367888	Igj	
17257089	5,612456	5,548211	5,547896	5,609155	5,536998	5,491194	5,569521	5,545782333	-0,02373867	0,983680244	Hexim2	
17208671	6,214697	5,644645	6,120277	6,290926	5,53496	6,08258	5,9932063	5,969488667	-0,02371767	0,983694563	---	
17284660	3,994832	3,950304	3,659548	3,51037	3,819571	4,203629	3,868228	3,844523333	-0,02370467	0,983703427	Ighm // Ighm	

17460647	3,299164	3,291192	3,465613	3,340268	3,40804	3,236572	3,3519897	3,328293333	-0,02369633	0,983709109	---
17431388	5,712463	5,419343	5,190743	5,509971	5,34019	5,401323	5,4408497	5,417161333	-0,02368833	0,983714564	---
17255556	4,496074	4,883276	4,786908	4,570051	4,752795	4,772365	4,722086	4,698403667	-0,02368233	0,983718655	Mir196a-1
17549274	7,044009	7,001572	7,066803	6,98655	7,087475	6,967332	7,0374613	7,013785667	-0,02367567	0,983723201	---
17427197	7,16115	7,341795	7,4846	7,188881	7,405454	7,322187	7,3291817	7,305507333	-0,02367433	0,98372411	---
17355903	7,661029	7,669623	7,675236	7,792253	7,570983	7,571635	7,6686293	7,644957	-0,02367233	0,983725474	Mrpl21
17483447	6,634031	6,683073	6,75552	6,624146	6,772325	6,605137	6,6908747	6,667202667	-0,023672	0,983725701	Setd1a
17220809	8,98708	8,956685	8,964136	8,924248	8,976048	8,936611	8,9693003	8,945635667	-0,02366467	0,983730701	Ints7
17364246	6,579542	6,471003	6,757734	6,761868	6,598913	6,376531	6,6027597	6,579104	-0,02365567	0,983736838	4931408D14Rik
17536969	6,168168	5,925761	5,906347	6,09897	6,125858	5,704588	6,000092	5,976472	-0,02362	0,983761159	Tsx
17232132	3,761917	3,803746	4,129862	4,087034	3,81331	3,724326	3,8985083	3,87489	-0,02361833	0,983762295	Gm10824
17383808	6,08795	5,842929	5,901377	5,966342	5,952558	5,842507	5,9440853	5,920469	-0,02361633	0,983763659	---
17488379	4,344068	4,315425	4,399184	4,337676	4,291562	4,358677	4,3528923	4,329305	-0,02358733	0,983783434	Dll3
17533992	3,600601	3,40361	3,230609	3,423891	3,171958	3,568283	3,4116067	3,388044	-0,02356267	0,983800254	---
17226269	4,604579	4,581779	4,612179	4,667602	4,397327	4,663054	4,5995123	4,575994333	-0,023518	0,983830714	Gm101
17549556	6,13574	5,989652	6,138066	6,087704	6,052621	6,052621	6,0878193	6,064315333	-0,023504	0,983840261	---
17549710	6,13574	5,989652	6,138066	6,087704	6,052621	6,052621	6,0878193	6,064315333	-0,023504	0,983840261	---
17537716	5,867162	5,849484	5,947268	5,972812	5,946959	5,673667	5,8879713	5,864479333	-0,023492	0,983848445	Rpl36a
17275871	3,041227	3,078633	3,349266	3,170031	3,064731	3,16389	3,1563753	3,132884	-0,02349133	0,983848899	---
17333762	3,396947	3,437621	3,500873	3,42052	3,475273	3,369202	3,445147	3,421665	-0,023482	0,983855264	Vmn2r93
17363680	4,669804	4,659534	4,762256	4,773771	4,607457	4,639923	4,697198	4,673717	-0,023481	0,983855946	Gm3916
17497767	3,154921	3,013089	3,094991	3,235362	3,089714	2,867525	3,087667	3,064200333	-0,02346667	0,983865721	---
17419035	10,47509	10,51215	10,72162	10,63568	10,51286	10,48998	10,56962	10,54617333	-0,02344667	0,98387936	---
17300122	3,261705	2,942593	3,122806	3,232145	3,052546	2,972108	3,1090347	3,085599667	-0,023435	0,983887317	A630038E17Rik
17279991	3,525001	3,278274	3,467319	3,372252	3,398069	3,429995	3,4235313	3,400105333	-0,023426	0,983893454	Tubb2a-ps2
17533357	5,951352	5,945639	5,929001	6,077925	5,96799	5,709802	5,9419973	5,918572333	-0,023425	0,983894136	5730405O15Rik // 5730405O15Rik
17268611	6,81634	6,796545	6,794372	6,678296	6,917601	6,74109	6,802419	6,778995667	-0,02342333	0,983895273	Cwc25
17475355	4,181632	3,895615	4,35164	4,050129	4,058722	4,249782	4,1429623	4,119544333	-0,023418	0,98389891	---
17328756	7,771655	7,74232	7,835895	7,747764	7,818965	7,712899	7,78329	7,759876	-0,023414	0,983901638	Med15
17373380	6,812711	6,80771	6,880391	6,922836	6,910097	6,597687	6,833604	6,810206667	-0,02339733	0,983913005	Snord67
17467154	10,46139	10,27542	10,4141	10,30127	10,51324	10,26621	10,383637	10,36024	-0,02339667	0,983913459	Ppm1k
17550412	9,12604	9,066117	9,162597	9,098198	9,163521	9,022856	9,1182513	9,094858333	-0,023393	0,98391596	---
17262156	5,397865	5,611543	5,400577	5,54702	5,442832	5,349989	5,469995	5,446613667	-0,02338133	0,983923917	Sgcd
17542881	3,90063	3,856555	3,916242	3,846117	3,875771	3,881414	3,8911423	3,867767333	-0,023375	0,983928236	---
17325514	8,247441	8,369431	8,313997	8,254049	8,250363	8,356384	8,3102897	8,286932	-0,02335767	0,983940058	Fstl1
17233014	6,747416	6,77422	6,689408	6,720018	6,673122	6,747864	6,7370147	6,713668	-0,02334667	0,98394756	Bend3
17205293	2,791897	3,005614	2,793243	2,926136	2,862807	2,731781	2,8635847	2,840241333	-0,02334333	0,983949833	---
17209483	2,791897	3,005614	2,793243	2,926136	2,862807	2,731781	2,8635847	2,840241333	-0,02334333	0,983949833	---
17422907	3,679591	3,649034	3,824163	3,532442	3,830856	3,719489	3,717596	3,694262333	-0,02333367	0,983956426	2310042D19Rik
17455429	4,113831	4,560969	4,256145	4,471756	4,250304	4,138919	4,310315	4,286993	-0,023322	0,983964383	---
17293607	7,665762	7,613056	7,567888	7,545725	7,655194	7,575843	7,6155687	7,592254	-0,02331467	0,983969385	Ptch1
17448917	7,173746	7,059193	6,80428	7,128001	6,947991	6,891299	7,0124063	6,989097	-0,02330933	0,983973022	---
17322063	4,596777	4,437305	4,529482	4,401978	4,440162	4,65151	4,521188	4,497883333	-0,02330467	0,983976205	Krt76
17493382	5,448968	5,154377	5,512485	5,338729	5,50727	5,199925	5,3719433	5,348641333	-0,023302	0,983978024	Gm15412
17255691	7,280613	6,900504	6,812061	6,805702	6,918056	7,199527	6,997726	6,974428333	-0,02329767	0,983980979	Prr15l
17479907	3,97249	3,956319	4,136941	3,923615	4,117284	3,954965	4,0219167	3,998621333	-0,02329533	0,983982571	---
17513010	6,357565	6,417698	6,285074	6,339324	6,49073	6,160399	6,3534457	6,330151	-0,02329467	0,983983026	Clec18a
17368834	7,357172	7,54475	7,357695	7,238174	7,399148	7,552412	7,4198723	7,396578	-0,02329433	0,983983253	Med27
17359599	5,118466	4,801513	4,860048	4,974732	4,836135	4,899301	4,9266757	4,903389333	-0,02328633	0,983988709	Nkx2-3
17332956	11,87723	11,9057	11,78262	11,84271	11,81163	11,84139	11,855183	11,83191	-0,02327333	0,983997576	Rnaset2b
17378104	4,172174	4,614863	4,513144	4,5758	4,292016	4,362595	4,4333937	4,410137	-0,02325667	0,984008944	Bpifa2
17345738	5,147658	5,166089	5,381814	5,140984	5,34298	5,141858	5,2318537	5,208607333	-0,02324633	0,984015992	---
17312086	10,16135	10,2993	10,20471	10,10701	10,22569	10,26299	10,221787	10,19856333	-0,02322333	0,984031679	Gng5
17284936	7,734119	7,865055	7,726913	7,616643	7,811478	7,828316	7,7753623	7,752145667	-0,02321667	0,984036227	Akr1c13
17260440	8,913995	9,103393	9,251654	9,130096	9,185208	8,884092	9,0896807	9,066465333	-0,02321533	0,984037136	Snora5c
17236599	5,201299	4,989628	5,125259	5,086992	5,0433	5,116254	5,1053953	5,082182	-0,02321333	0,9840385	4933408J17Rik
17229178	10,29721	10,02902	9,882257	10,081	10,05079	10,00706	10,069496	10,04628333	-0,02321233	0,984039182	Atp1b1
17310803	3,696249	4,043223	3,591664	3,815283	3,669944	3,776282	3,7770453	3,753836333	-0,023209	0,984041456	4930430F21Rik
17359274	3,300573	3,494044	3,1005	3,155787	3,372059	3,297676	3,2983723	3,275174	-0,02319833	0,984048731	Cyp2c53-ps
17457436	9,244492	9,270486	9,398396	9,352356	9,34604	9,145391	9,304458	9,281262333	-0,02319567	0,98405055	Luc7l2
17206383	5,651206	5,680132	6,217481	6,295085	5,993835	5,190325	5,8496063	5,826415	-0,02319133	0,984053506	---
17433975	4,894678	4,988554	5,170318	5,007515	4,773046	5,203416	5,01785	4,994659	-0,023191	0,984053733	Mir200b
17451972	7,588227	7,712903	7,592969	7,59553	7,625816	7,603211	7,6313663	7,608185667	-0,02318067	0,984060782	Plbd2
17454301	3,973407	4,009955	3,811031	3,958535	3,976432	3,789902	3,9314643	3,908289667	-0,02317467	0,984064874	Gal3st4
17294547	6,243792	6,093916	6,067091	6,224232	6,09312	6,017926	6,134933	6,111759333	-0,02317367	0,984065556	Nr2f1
17426763	3,205448	2,947543	3,088397	2,973156	3,024511	3,174255	3,0804627	3,057307333	-0,02315533	0,984078062	---
17250615	6,797076	6,824275	6,724848	6,696558	6,892462	6,687721	6,7820663	6,758913667	-0,02315267	0,984079881	Grap
17286316	3,076759	3,004318	2,86215	2,871059	2,957862	3,044873	2,9810757	2,957931333	-0,02314433	0,984085565	---
17458759	8,310181	8,210176	8,020065	8,09533	8,180439	8,195222	8,1801407	8,156997	-0,02314367	0,98408602	Znrf2
17510994	7,280257	7,19163	7,15889	7,203717	7,142624	7,215044	7,210259	7,187128333	-0,02313067	0,984094887	Il27ra
17323320	8,76135	9,155716	8,955228	8,883567	8,815452	9,103903	8,9574313	8,934307333	-0,023124	0,984099435	Gm5481
17529634	7,936484	8,083477	8,169668	8,059466	8,176936	7,883887	8,0632097	8,040096333	-0,02311333	0,984106711	Tmed3
17209147	6,198739	5,995937	5,83997	6,023522	6,05551	5,886284	6,0115487	5,988438667	-0,02311	0,984108985	---
17465229	5,206392	5,487537	5,045302	5,143329	5,418808	5,107784	5,2464103	5,223307	-0,02310333	0,984113532	Tmem229a
17547728	13,49003	13,44951	13,45595	13,46844	13,39423	13,46354	13,465163	13,44207	-0,02309333	0,984120354	Eef1a1 // Eef1a1
17359304	5,664296	5,517928	5,906379	5,76605	5,641853	5,61143	5,696201	5,673111	-0,02309	0,984122627	Cyp2c39
17490398	7,436744	7,442422	7,505899	7,578806	7,376154	7,360918	7,4616883	7,438626	-0,02306233	0,9841415	Tbc1d17
17237208	7,274711	7,396265	7,100302	7,271023	7,19605	7,235018	7,2570927	7,234030333	-0,02306233	0,9841415	Csrp2
17488715	4,553112	4,349764	4,461959	4,555512	4,360659	4,379504	4,454945	4,431891667	-0,02305333	0,98414764	Rasgrp4
17416533	4,037832	4,248589	4,068154	4,089304	4,094736	4,101387	4,1181917	4,095142333	-0,02304933	0,984150368	---
17457373	3,382119	3,558777	3,414704	3,459844	3,385877	3,440741	3,4518667	3,428820667	-0,023046	0,984152642	Tmem213
17315057	5,695998	5,560931	5,74226	5,523684	5,697229	5,709155	5,6663963	5,643356	-0,02304033	0,984156508	Slc4a8
17303003	4,851695	5,168153	5,137668	5,177965	4,874715	5,035725	5,0525053	5,029468333	-0,023037	0,984158782	Gm10413
17404680	3,817845	3,413933	3,443745	3,292332	3,627653	3,686456	3,5585077	3,535480333	-0,02302733	0,984165376	---
17244514	10,83962	10,99469	10,90403	10,83532	10,93783	10,89611	10,91278	10,88975333	-0,02302667	0,984165831	Nudt4
17209717	6,368699	5,678444	6,087013	5,905321	5,872228	6,28755	6,0447187	6,021699667	-0,023019	0,984171061	---
17346461	9,815467	9,741722	9,873899	9,847648	9,682778	9,831675	9,8103627	9,787367	-0,02299567	0,984186978	Slc25a23
17227311	5,250794	5,342553	5,482759	5,292387	5,343277	5,371502	5,358702	5,335722	-0,02298	0,984197666	Shisa4
17291787	9,503174	9,552468	9,634188	9,496754	9,526355	9,597803	9,5632767	9,540304	-0,02297267	0,984202669	Slc22a23
17445710	6,006364	6,354322	6,171406	6,147255	6,110536	6,205383	6,177364	6,154391333	-0,02297267	0,984202669	---
17467267	5,906957	5,685352	5,852599	5,959779	5,699321	5,716898	5,8149693	5,791999333	-0,02297	0,984204488	---
17404329	9,162467	9,141797	9,144445	9,091017	9,126705	9,162152	9,1495697	9,126624667	-0,022945	0,984221543	Gyg
17223726	4,420618	4,275147	4,650743	4,541911	4,349213	4,386563	4,448836	4,425895667	-0,02294033	0,984224727	---
17262695	5,624337	5,375974	5,577808	5,519907	5,519036	5,470359	5,5260397	5,503100667	-0,022939	0,984225636	Il13
17232152	9,737047	9,975153	9,599226	9,670007	9,817137	9,755505	9,7704753	9,747549667	-0,02292567	0,984234732	Vnn3
17406110	3,713212	3,864648	4,016253	3,837568	3,935206	3,752574	3,8647043	3,841782667	-0,02292167	0,984237461	Rxfp1
17334602	6,758821	6,849341	6,799977	6,897	6,687108	6,755295	6,802713	6,779801	-0,022912	0,984244056	Unkl
17207925	6,618776	6,237968	6,300807	6,799464	6,080202	6,20919	6,3858503	6,362952	-0,02289833	0,98425338	---
17370141	5,405369	5,263241	5,200553	5,219206	5,286268	5,295031	5,289721	5,266835	-0,022886	0,984261794	---
17268643	5,519877	5,490082	6,027594	5,82413	5,824052	5,320731	5,6791843	5,656304333	-0,02288	0,984265888	---
17343143	10,62091	10,6951	10,51419	10,52717	10,61604	10,61839	10,610067	10,5872	-0,02286667	0,984274984	Glo1
17419056	2,989776	3,040244	2,956341	2,973207	3,046627	2,898011	2,9954537	2,972615	-0,02283867	0,984294087	---
17534385	7,311527	7,588763	7,573975	7,610871	7,405257	7,38966	7,4914217	7,468596	-0,02282567	0,984302957	Gria3
17394880	5,805886	5,923756	5,810524	5,813272	5,792192	5,866229	5,846722	5,823897667	-0,02282433	0,984303866	Zfp64
17365690	7,209087	7,402471	7,329057	7,302342	7,400516	7,169312	7,3135383	7,290723333	-0,022815	0,984310234	Mxi1 // Mxi1
17511023	6,358399	5,994456	6,084014	6,036581	6,109896	6,221962	6,145623	6,122813	-0,02281	0,984313646	Dcaf15
17467193	3,238509	3,194887	3,819073	3,28174	3,744872	3,157491	3,4174897	3,394701	-0,02278867	0,984328201	Vmn1r25
17285995	4,254217	4,295278	4,592481	4,345974	4,345983	4,381675	4,3806587	4,357877333	-0,02278133	0,984333204	---
17433469	5,526999	5,540813	5,592892	5,398703	5,651046	5,54262	5,553568	5,530807	-0,022761	0,984347078	Rnf207
17513831	4,779042	4,369925	4,970018	4,749535	4,610437	4,690797	4,7063283	4,683589667	-0,02273867	0,984362316	A530010L16Rik
17456965	4,342669	4,430738	4,41806	4,386708	4,483678	4,252873	4,3971557	4,374419667	-0,022736	0,984364135	4930412F09Rik
17273864	13,28615	13,30462	13,27143	13,27204	13,28824	13,23372	13,2874	13,26466667	-0,02273333	0,984365955	Apob
17407494	4,232829	3,900598	4,372222	4,201529	4,08256	4,153462	4,1685497	4,145850333	-0,02269933	0,984389154	---
17506112	5,983562	6,01612	6,099655	6,140944	5,962869	5,927447	6,0331123	6,01042	-0,02269233	0,98439393	Lrrc50
17256362	4,60947	4,928382	4,680341	4,81928	4,663083	4,667782	4,7393977	4,716715	-0,02268267	0,984400526	---
17244858	3,907951	3,78416	3,873312	3,862917	3,775099	3,859381	3,855141	3,832465667	-0,02267533	0,984405529	Gm5136
17299535	6,150321	6,095213	6,187421	6,265927	5,872861	6,226156	6,1443183	6,121648	-0,02267033	0,98440894	---
17293841	6,286127	5,813854	5,278697	6,077785	5,699423	5,533547	5,7928927	5,770251667	-0,022641	0,984428957	---
17242335	5,522539	6,115826	6,191168	5,907885	5,919608	5,934131	5,9431777	5,920541333	-0,02263633	0,984432141	Trpm2
17550100	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550102	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550104	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550106	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550108	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550110	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550112	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550114	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550116	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550118	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550120	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550122	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17550128	7,531299	7,292522	6,962441	7,695842	6,674526	7,348014	7,2620873	7,239460667	-0,02262667	0,984438737	---
17384576	4,369348	4,401803	4,450314	4,418429	4,355792	4,379364	4,407155	4,384528333	-0,02262667	0,984438737	Olfr362
17306753	6,150767	6,437069	6,210402	6,342106	6,225619	6,162649	6,2660793	6,243458	-0,02262133	0,984442376	Ipo4

17252402	10,72353	10,84167	10,49258	10,6992	10,69086	10,59989	10,685927	10,66331667	-0,02261	0,98445011	---	
17361921	9,356443	9,349632	9,360035	9,546368	9,119823	9,332125	9,35537	9,332772	-0,022598	0,984458298	Tm7sf2	
17424880	7,253488	6,920444	6,604951	6,938905	6,558909	7,213321	6,9262943	6,903711667	-0,02258267	0,984468761	---	
17407396	8,542688	8,641465	8,799375	8,622175	8,606406	8,687239	8,661176	8,638606667	-0,02256933	0,98447786	Adrm1 // Adrm1	
17425622	4,579457	4,126915	4,510005	4,344069	4,542551	4,262115	4,405459	4,382911667	-0,02254733	0,984492873	Txndc8	
17362696	7,437156	7,633559	7,539283	7,442145	7,571268	7,52895	7,536666	7,514121	-0,022545	0,984494465	Tmem216	
17317144	8,617125	8,619851	8,63013	8,36114	8,783205	8,65513	8,6223687	8,599825	-0,02254367	0,984495375	Mrpl13	
17479940	3,438405	3,077894	2,940238	3,189692	2,947543	3,251708	3,152179	3,129647667	-0,02253133	0,984503791	Olfr299	
17282090	8,10477	8,398118	8,043487	8,123264	8,215563	8,139963	8,182125	8,159596667	-0,02252833	0,984505838	Max	
17420427	4,394365	4,010417	4,278326	3,899465	4,285353	4,430743	4,2277027	4,205187	-0,02251567	0,984514482	---	
17438083	6,626859	5,981189	5,960095	6,27521	6,022604	6,202793	6,189381	6,166869	-0,022512	0,984516984	Slc10a4	
17307025	3,65226	3,404257	3,303719	3,2486	3,619606	3,424582	3,453412	3,430929333	-0,02248267	0,984537002	Gzmc	
17213953	4,468868	4,414655	4,501122	4,657522	4,352336	4,307348	4,4615483	4,439068667	-0,02247967	0,984539049	Spag16	
17504265	5,110088	5,228409	5,193882	5,204852	5,121519	5,138587	5,1774597	5,154986	-0,02247367	0,984543144	Tepp	
17331114	8,908623	8,721874	8,681599	8,831345	8,757779	8,655643	8,7706987	8,748255667	-0,022443	0,984564072	Tbc1d23	
17284640	2,753897	2,841144	2,872174	2,827016	2,798517	2,774393	2,822405	2,799975333	-0,02242967	0,984573171	---	
17264206	4,163044	4,084856	4,257186	4,189762	4,308365	3,939693	4,168362	4,14594	-0,022422	0,984578404	Mir744	
17202587	9,513771	9,762972	9,807121	9,511137	9,720567	9,784944	9,6946213	9,672216	-0,02240533	0,984589778	---	
17548228	7,378871	7,759527	7,548334	7,520422	7,446123	7,653026	7,562244	7,539857	-0,022387	0,98460229	Cisd3	
17325232	3,737537	4,081326	4,169277	4,176171	4,031558	3,713275	3,9960467	3,973668	-0,02237867	0,984607977	---	
17470792	3,19268	3,316554	3,225115	3,12163	3,270055	3,275536	3,244783	3,222407	-0,022376	0,984609797	Mir141	
17389132	4,0084	3,655926	3,674221	3,642728	3,589379	4,039325	3,7795157	3,7571444	-0,02237167	0,984612755	Gm13939 // Gm13939	
17358649	5,306674	5,239523	5,337641	5,116697	5,597919	5,102156	5,2946127	5,272257333	-0,02235533	0,984623902	---	
17379998	4,269494	4,09639	4,056029	4,163514	3,98449	4,20686	4,1406377	4,118288	-0,02234967	0,984627769	---	
17455501	5,624862	5,700071	5,751129	5,637562	5,7979	5,573623	5,6920207	5,669695	-0,02232567	0,984644149	Gm15997	
17307245	5,495813	5,492774	5,622618	5,371119	5,677307	5,495813	5,5370683	5,514746333	-0,022322	0,984646652	---	
17478268	4,45432	4,07322	4,455831	4,225465	4,180796	4,510169	4,3277903	4,305476667	-0,02231367	0,984652339	---	
17217914	8,035343	8,022188	7,977519	7,848454	8,028585	8,091087	8,0116833	7,989375333	-0,022308	0,984656207	Aspm	
17294002	6,502407	6,449002	6,307699	6,395399	6,251464	6,545347	6,4197027	6,397403333	-0,02229933	0,984662122	Zfp748	
17430276	7,061964	6,87504	7,058216	6,964471	6,892534	7,071328	6,9984067	6,976111	-0,02229567	0,984664625	Zfp362	
17409477	4,422779	3,706261	3,881592	4,050045	4,094806	3,798898	4,003544	3,981249667	-0,02229433	0,984665535	---	
17476280	5,341084	5,593769	5,703608	5,618412	5,308072	5,445107	5,5461537	5,523863667	-0,02229	0,984668492	Gm5113	
17489495	3,361769	3,273864	3,275668	3,240394	3,378708	3,225337	3,303767	3,281479667	-0,02228733	0,984670312	Gm4362	
17326984	5,192004	4,884107	4,825213	4,737001	5,01437	5,083102	4,967108	4,944824333	-0,02228367	0,984672815	---	
17542055	3,268112	3,252205	3,183578	3,116883	3,151111	3,369081	3,2346317	3,212358333	-0,02227333	0,984679868	4930447F04Rik	
17357486	5,873271	5,867628	6,061256	6,008075	5,834253	5,893045	5,9340517	5,911791	-0,02226067	0,984688513	Syt7	
17401729	5,285851	5,162162	5,241559	5,147409	5,247599	5,227786	5,2298573	5,207598	-0,02225933	0,984689423	1700013F07Rik	
17470350	5,311972	5,203384	5,210674	5,259961	5,150576	5,248734	5,24201	5,219757	-0,022253	0,984693746	4930540M05Rik	
17211566	4,348749	4,384762	4,417071	4,482124	4,57227	4,029455	4,3835273	4,361283	-0,02224433	0,984699661	---	
17223283	5,849977	5,863566	6,173804	5,822248	6,205265	5,793194	5,962449	5,940235667	-0,02221333	0,98472082	Satb2	
17543654	11,33212	11,46945	11,54972	11,53024	11,42383	11,33069	11,45043	11,42825333	-0,02217667	0,984745847	Rps4x	
17214257	9,212567	9,265203	9,229795	9,193743	9,235888	9,211405	9,235855	9,213678667	-0,02217633	0,984746075	Rqcd1	
17235915	9,320683	9,420358	9,30759	9,286245	9,298196	9,397665	9,3495437	9,327368667	-0,022175	0,984746985	Txnrd1	
17242316	5,055772	4,945415	5,12235	5,175971	5,074312	4,806731	5,041179	5,019004667	-0,02217433	0,98474744	Gm3238	
17284147	7,803502	7,911668	7,796256	7,743908	7,911636	7,789377	7,837142	7,814973667	-0,02216833	0,984751536	Ppp1r13b	
17433895	5,233204	5,144395	5,157193	4,981452	5,040343	5,446501	5,178264	5,156098667	-0,02216533	0,984753583	Mxra8	
17487722	5,779966	5,27168	5,687789	5,560579	5,592453	5,519914	5,5798117	5,557648667	-0,022163	0,984755176	2310033E01Rik	
17430549	6,289888	6,311732	6,372772	6,408814	6,250904	6,248224	6,3247973	6,302647333	-0,02215	0,98476405	---	
17237343	3,911791	3,780181	3,668736	3,807004	3,721721	3,76556	3,7869027	3,764761667	-0,022141	0,984770193	1700010J16Rik	
17439687	6,176301	6,490654	6,23427	6,258246	6,303068	6,273494	6,3004083	6,278269333	-0,022139	0,984771558	Ptpn13	
17237915	6,693815	6,442309	6,579331	6,529791	6,551291	6,567988	6,5718183	6,54969	-0,02212833	0,984778839	Agap2	
17240598	7,12893	7,170924	7,180388	7,018338	7,213875	7,181662	7,1600807	7,137958333	-0,02212233	0,984782935	1700021F05Rik	
17311473	5,239799	5,202842	5,213099	5,266478	5,07899	5,24396	5,21858	5,196476	-0,022104	0,984795449	Aard	
17355420	7,170916	7,277877	7,132624	7,077727	7,13775	7,299643	7,1938057	7,171706667	-0,022099	0,984798862	Ska1	
17212970	6,879487	7,052614	6,486984	6,76059	6,863162	6,729114	6,8063617	6,784288667	-0,022073	0,98481661	Sgol2	
17516147	3,743422	3,700126	4,130255	4,143007	3,889079	3,475516	3,8579343	3,835867333	-0,022067	0,984820706	Olfr143	
17541333	3,286535	2,891686	2,979449	3,310049	2,867019	2,914434	3,0525567	3,030500667	-0,022056	0,984828215	---	
17535033	4,452364	4,555339	4,849185	4,545782	4,363708	4,881234	4,6189627	4,596908	-0,02205467	0,984829125	Vgll1	
17372934	3,490456	3,226817	3,678525	3,190564	3,731602	3,407527	3,465266	3,443231	-0,022035	0,98484255	Olfr1255	
17516699	8,803148	8,590069	8,580885	8,88186	8,533854	8,492287	8,658034	8,636000333	-0,02203367	0,98484346	Mpzl2	
17522439	5,532609	5,323511	5,532871	5,401052	5,483624	5,438229	5,462997	5,440968333	-0,02202867	0,984846874	Myl3	
17366738	3,022586	2,946111	3,068599	3,032483	3,01875	2,920072	3,012432	2,990435	-0,021997	0,984868491	---	
17434799	3,598116	3,650221	3,189299	3,437052	3,350934	3,583673	3,479212	3,457219667	-0,02199233	0,984871677	Speer3	
17208005	4,661763	4,734926	4,918727	5,055352	4,779646	4,414441	4,7718053	4,749813	-0,02199233	0,984871677	---	
17451217	5,882864	5,778028	5,784064	6,000601	5,703118	5,675269	5,8149853	5,792996	-0,02198933	0,984873725	Asphd2	
17500975	8,202452	8,09968	8,076493	8,010727	8,063313	8,23874	8,1262083	8,10426	-0,02194833	0,984901714	4933411K20Rik	
17260295	7,477832	7,554796	7,569425	7,562	7,515771	7,458442	7,5340177	7,512071	-0,02194667	0,984902852	Nudcd3	
17274372	7,230584	7,575069	7,387372	7,441365	7,251536	7,43431	7,397675	7,375737	-0,021938	0,984908769	Gm6943	
17390079	5,812463	5,396617	5,493728	5,488453	5,638972	5,509578	5,5676027	5,545667667	-0,021935	0,984910817	Pla2g4e	
17375742	7,555129	7,477863	7,341177	7,501388	7,479259	7,327718	7,4580563	7,436121667	-0,02193467	0,984911044	Ap4e1	
17465365	5,933287	5,919898	6,106921	5,841419	5,998735	6,054157	5,986702	5,964770333	-0,02193167	0,984913092	Prrt4	
17550600	12,80192	12,95407	13,02268	12,90382	12,97866	12,8304	12,926223	12,90429333	-0,02193	0,98491423	---	
17255402	9,407768	9,441672	9,301375	9,396052	9,389567	9,299415	9,383605	9,361678	-0,021927	0,984916278	Spop	
17388026	3,482605	3,384819	3,329976	3,620489	3,326294	3,18484	3,3991333	3,377207667	-0,02192567	0,984917188	Olfr1270	
17334835	5,643907	5,814276	5,918288	5,919171	5,670009	5,721517	5,792157	5,770232333	-0,02192467	0,984917871	Solh	
17275436	4,176799	4,153161	4,098577	4,136321	4,096592	4,129875	4,1428457	4,120929333	-0,02191633	0,98492356	Akap6	
17337434	3,713756	3,786818	4,038254	3,776619	3,828043	3,868435	3,846276	3,824365667	-0,02191033	0,984927656	H2-M10.6	
17283343	6,699052	6,435799	6,636902	6,862416	6,650095	6,193528	6,5905843	6,568679667	-0,02190467	0,984931525	Mir1190	
17467608	8,973144	8,95577	8,927596	8,887816	8,97009	8,932904	8,95217	8,93027	-0,0219	0,984934711	Rmnd5a	
17373628	3,110642	3,055746	3,042967	3,137476	2,983317	3,022862	3,069785	3,047885	-0,0219	0,984934711	---	
17537345	6,532318	6,339937	6,668022	6,74263	5,964112	6,767868	6,5134257	6,491536667	-0,021889	0,984942221	Gm14920	
17420834	5,033405	5,03947	4,969334	4,990165	4,936306	5,050098	5,0140697	4,992189667	-0,02188	0,984948365	---	
17343602	8,887125	9,016726	8,849174	8,814386	8,994388	8,878623	8,917675	8,895799	-0,021876	0,984951096		03/03/17
17300926	4,454246	4,220518	4,599242	4,385833	4,396135	4,426415	4,4246687	4,402794333	-0,02187433	0,984952234	1700039M10Rik	
17549138	3,012024	3,11811	3,084028	3,008278	3,117741	3,022564	3,0713873	3,049527667	-0,02185967	0,984962247	---	
17210207	3,00555	3,256517	3,354554	3,343082	3,376713	2,831301	3,2055403	3,183698667	-0,02184167	0,984974536	---	
17486015	3,735719	3,682129	3,96292	3,688832	3,911345	3,715098	3,7935893	3,771758333	-0,021831	0,984981819	Vmn1r55	
17328118	4,797921	4,871473	5,145286	4,835258	5,031038	4,882923	4,9382267	4,916406333	-0,02182033	0,984989101	Prm1	
17366283	6,531775	6,783942	6,328999	6,286636	6,743249	6,549378	6,5482387	6,526421	-0,02181767	0,984990922	C130026I21Rik	
17530033	6,079894	6,325097	6,564438	6,239126	6,267036	6,397823	6,323143	6,301328333	-0,02181467	0,98499297	Esyt3	
17212355	6,480376	6,419483	6,637663	6,557822	6,335976	6,578295	6,5125073	6,490697667	-0,02180967	0,984996384	Nck2	
17366932	9,136366	8,374964	8,828267	9,004912	8,569115	8,700141	8,7798657	8,758056	-0,02180967	0,984996384	Mir466h // Mir466h	
17351726	7,929798	8,110804	8,11105	8,085484	8,07372	7,927023	8,0505507	8,028742333	-0,02180833	0,984997294	Mbd1	
17405926	4,281504	4,092136	3,972177	4,163888	3,995577	4,120946	4,1152723	4,093470333	-0,021802	0,985001618	Zbbx	
17203441	5,199988	4,682937	5,142823	4,740102	4,686657	5,533587	5,0085827	4,986782	-0,02180067	0,985002529	---	
17305852	2,824127	2,931871	2,973156	2,804461	2,983787	2,875517	2,909718	2,887921667	-0,02179633	0,985005487	---	
17377709	4,764807	4,948604	5,022131	4,776365	4,955729	4,938097	4,9118473	4,890063667	-0,02178367	0,985014136	6820408C15Rik	
17254028	4,162163	3,868113	3,682715	3,949503	3,895875	3,802266	3,9043303	3,882548	-0,02178233	0,985015046	5530401A14Rik	
17263456	5,903381	5,755711	5,750388	5,821379	5,599099	5,923716	5,80316	5,781398	-0,021762	0,985028929	Mprip // Mprip	
17212923	4,781631	4,668138	4,884852	4,794871	4,74061	4,733865	4,778207	4,756448667	-0,02175833	0,985031432	9130024F11Rik	
17481153	4,445833	3,693526	4,232965	3,783328	3,986053	4,537719	4,124108	4,102366667	-0,02174133	0,985043039	Olfr564	
17401650	6,520126	6,524974	6,578968	6,587413	6,549314	6,422118	6,541356	6,519615	-0,021741	0,985043267	Amigo1	
17475469	3,452065	3,441187	3,640888	3,609329	3,483445	3,376228	3,51138	3,489667333	-0,02171267	0,985062613	Cyp2a5	
17425228	9,894096	9,812883	9,818974	9,839831	9,867789	9,753212	9,8419843	9,820277333	-0,021707	0,985066482	Mrpl50	
17263416	5,44026	5,774855	5,356236	5,493045	5,484072	5,529181	5,5237837	5,502099333	-0,02168433	0,985081959	Zfp867	
17363903	7,430064	7,427476	7,38341	7,395362	7,368502	7,412034	7,41365	7,391966	-0,021684	0,985082186	Prkg1	
17530805	4,97751	4,591341	4,633786	4,656787	4,795012	4,685793	4,7342123	4,712530667	-0,02168167	0,985083779	Dock3	
17218460	5,967179	6,122344	6,053411	6,0236	6,112453	5,94184	6,0476447	6,025964333	-0,02168033	0,98508469	2810025M15Rik	
17336075	4,299497	4,370481	4,586058	4,59857	4,070096	4,522351	4,4186787	4,397005667	-0,021673	0,985089697	Olfr63	
17444304	5,587711	5,563742	5,511309	5,375632	5,650716	5,571436	5,554254	5,532594667	-0,02165933	0,985099029	0610040B10Rik	
17493842	6,908441	7,106985	6,902174	7,023468	6,956573	6,872583	6,9725333	6,950874667	-0,02165867	0,985099484	Arhgef17	
17282265	7,43267	7,329328	7,816974	7,740009	7,359686	7,414305	7,526324	7,504666667	-0,02165733	0,985100395	Scarna3b	
17213976	7,760774	6,867995	8,124207	7,573655	7,575771	7,538664	7,5843253	7,562696667	-0,02162867	0,985119969	---	
17261542	6,067054	6,03389	6,460883	6,351337	6,256106	5,889503	6,1872757	6,165648667	-0,021627	0,985121107	Fgf18	
17281092	4,463469	4,208179	4,191735	4,313869	4,124888	4,359775	4,2877943	4,266177333	-0,021617	0,985127935	---	
17204339	3,440438	2,9334	3,530734	3,185191	3,625528	3,029059	3,301524	3,279926	-0,021598	0,985140909	---	
17502371	4,988491	4,891453	4,987281	4,593854	5,113882	5,094724	4,9557417	4,934153333	-0,02158833	0,98514751	Olfr374	
17202841	4,980544	5,229417	4,830152	5,127576	5,298234	4,54955	5,013371	4,991786667	-0,02158433	0,985150242	---	
17357922	5,514921	5,346557	5,225775	5,404611	5,326799	5,291101	5,3624177	5,340837	-0,02158067	0,985152746	Olfr1477	
17348226	4,209826	4,012949	4,276461	4,043765	4,333642	4,05713	4,166412	4,144845667	-0,02156633	0,985162533	4921524L21Rik	
17489158	5,351679	5,700828	6,18647	5,350262	5,904058	5,919972	5,7463257	5,724764	-0,02156167	0,98516572	U2af1l4 // U2af1l4	
17479967	5,178104	4,974226	5,497801	5,273096	5,300607	5,011765	5,2167103	5,195156	-0,02155433	0,985170728	Vmn2r79	
17268995	4,538903	4,210738	4,659665	4,402477	4,42098	4,52125	4,4697687	4,448235667	-0,021533	0,985185296	Krt222	
17440108	4,785212	4,841901	4,738716	4,76831	4,818492	4,714442	4,7886097	4,767081333	-0,02152833	0,985188482	---	
17540327	4,489079	4,372468	4,700591	4,633382	4,481878	4,382341	4,5207127	4,499200333	-0,02151233	0,985199408	2010308F09Rik	
17460385	7,271256	7,222882	7,342938	7,327893	7,08497	7,35969	7,2790253	7,257517667	-0,02150767	0,985202595	Tgfa	
17440465	8,048556	8,036854	8,023832	8,008519	8,043696	7,99252	8,036414	8,014911667	-0,02150233	0,985206237	Pole	
17485510	6,157306	6,028151	6,107025	6,381918	5,952298	5,893844	6,097494	6,07602	-0,021474	0,985225586	Tarm1	
17528546	5,232985	5,229784	5,117814	5,140638	5,234086	5,141554	5,1935277	5,172092667	-0,021435	0,98525222	Gm19304 // Gm19304	
17284480	4,303123	3,866227	3,585765	3,994602	3,908987	3,787238	3,9183717	3,896942333	-0,02142933	0,98525609	---	
17388632	9,370997	9,539818	9,48385	9,458925	9,373755	9,497702	9,4648883	9,443460667	-0,02142767	0,985257228	Api5	
17407390	5,35023	5,277474	5,618547	5,349997	5,418058	5,41397	5,415417	5,394008333	-0,02140867	0,985270204	Sprr2a1 // Sprr2a1	
17407393	5,35023	5,277474	5,618547	5,349997	5,418058	5,41397	5,415417	5,394008333	-0,02140867	0,985270204	Sprr2a1 // Sprr2a1	
17466022	5,672737	5,637021	5,816123	5,704315	5,754827	5,602576	5,708627	5,687239333	-0,02138767	0,985284545	Luc7l2	

17387630	3,016805	2,903025	3,110108	2,902339	3,03029	3,033147	3,0099793	2,988592	-0,02138733	0,985284773	Olfr1037	
17360344	5,258439	5,420527	5,296402	5,344375	5,240814	5,326022	5,3251227	5,303737	-0,02138567	0,985285911	LOC73899	
17544558	3,866666	3,657126	3,696218	3,608873	3,724558	3,822431	3,7400033	3,718620667	-0,02138267	0,98528796	Nxf2	
17293870	7,552165	7,541835	7,425687	7,421248	7,622823	7,41147	7,5065623	7,485180333	-0,021382	0,985288416	Mterfd1	
17309013	4,081916	4,142178	4,183406	4,188869	4,098018	4,056479	4,1358333	4,114455333	-0,021378	0,985291147	Pcdh9	
17361605	5,549716	5,599443	5,586453	5,480776	5,558445	5,632258	5,5785373	5,557159667	-0,02137767	0,985291375	Ctsw	
17202213	3,030159	3,029933	3,67314	3,387791	3,119005	3,162305	3,2444107	3,223033667	-0,021377	0,98529183	---	
17527054	7,522406	7,594265	7,389863	7,456503	7,553808	7,432107	7,502178	7,480806	-0,021372	0,985295245	Atm	
17461155	6,193632	6,276435	6,517338	6,319404	6,315411	6,288532	6,329135	6,307782333	-0,02135267	0,985308449	Gpr27	
17468705	11,95997	11,91793	11,84751	11,85932	11,86427	11,93778	11,90847	11,88712333	-0,02134667	0,985312547	Rab7	
17513540	8,57581	8,618773	8,624801	8,548777	8,540759	8,665832	8,6064613	8,585122667	-0,02133867	0,98531801	Cox4nb	
17241707	3,621094	3,84579	3,657404	3,730746	3,599731	3,729809	3,708096	3,686762	-0,021334	0,985321198	---	
17294828	3,871921	3,829197	4,175871	4,100089	3,790131	3,92279	3,9589963	3,93767	-0,02132633	0,985326434	Rasgrf2	
17364452	7,901354	7,90277	8,040975	8,239165	7,712041	7,829915	7,9483663	7,927040333	-0,021326	0,985326661	Cyp2c54	
17493398	3,770774	3,830035	4,214333	3,851262	3,947804	3,952155	3,9383807	3,917073667	-0,021307	0,985339638	---	
17457465	4,951212	4,92239	5,237731	4,754923	5,370939	4,921585	5,037111	5,015815667	-0,02129533	0,985347606	Clec2l	
17211429	3,341718	3,481704	3,526705	3,371814	3,524194	3,390267	3,4500423	3,428758333	-0,021284	0,985355347	Khdc1b	
17294785	6,214857	6,391026	6,304172	6,039175	6,497764	6,309294	6,3033517	6,282077667	-0,021274	0,985362177	Atg10	
17388929	5,077509	4,950622	5,613105	5,183632	5,169144	5,224658	5,2137453	5,192478	-0,02126733	0,98536673	---	
17349979	7,655918	7,67081	7,664306	7,809629	7,483471	7,63417	7,663678	7,642423333	-0,02125467	0,985375382	0610009O20Rik	
17346781	7,69562	7,633827	7,632043	7,66642	7,592736	7,638578	7,65383	7,632578	-0,021252	0,985377203	Ankrd12	
17273061	7,220185	6,976223	7,363356	7,02632	7,208039	7,26167	7,186588	7,165343	-0,021245	0,985381984	Actg1	
17200323	5,199397	3,69624	4,353848	4,095881	4,4762	4,613684	4,416495	4,395255	-0,02124	0,985385399	---	
17438955	5,381439	5,038447	5,08645	5,027673	5,347198	5,067763	5,1687787	5,147544667	-0,021234	0,985389497	Cxcl5	
17258131	8,820643	8,592725	8,86838	8,678626	8,848354	8,691073	8,7605827	8,739351	-0,02123167	0,985391091	Slc9a3r1	
17378316	10,37425	10,39288	10,06432	10,34099	10,27615	10,15062	10,27715	10,25592	-0,02123	0,985392229	---	
17456988	3,228751	3,22042	3,274488	3,230182	3,101379	3,328416	3,2412197	3,219992333	-0,02122733	0,985394051	---	
17428529	5,649709	5,660144	5,559959	5,634984	5,466385	5,704811	5,6232707	5,60206	-0,02121067	0,985405435	Nsun4	
17430256	5,25308	5,066801	5,29955	4,990903	5,298212	5,266747	5,206477	5,185287333	-0,02118967	0,985419778	Zscan20	
17208133	7,33446	7,006114	7,475482	7,627006	7,120361	7,00517	7,2720187	7,250845667	-0,021173	0,985431162	---	
17467469	4,365554	3,931927	3,516861	3,909986	3,940514	3,900329	3,938114	3,916943	-0,021171	0,985432529	---	
17257191	5,394251	5,296864	5,340667	5,342022	5,190161	5,436098	5,3439273	5,322760333	-0,021167	0,985435261	4933407P14Rik	
17300277	10,35037	10,33732	10,27277	10,15557	10,38715	10,35427	10,320153	10,29899667	-0,02115667	0,985442319	---	
17315438	6,597277	6,739382	6,69459	6,584677	6,734205	6,648971	6,677083	6,655951	-0,021132	0,985459168	Prr13	
17528216	5,767957	5,525265	6,100778	5,866426	5,580153	5,884028	5,798	5,776869	-0,021131	0,985459851	Slc24a1	
17526980	5,668074	5,439386	5,73443	5,700104	5,761016	5,317409	5,6139633	5,592843	-0,02112033	0,985467137	Mir34b	
17307623	6,36533	6,257421	6,289152	6,252925	6,424167	6,171459	6,3039677	6,282850333	-0,02111733	0,985469186	Blk	
17531050	8,882278	8,913794	8,852865	8,799875	8,872942	8,912815	8,882979	8,861877333	-0,02110167	0,985479888	Rbm6	
17478598	6,746367	7,472866	6,851188	6,980865	7,034057	6,992223	7,0234737	7,002381667	-0,021092	0,985486491	LOC100862223 // Gm14958 // Gm14059	
17459453	12,934	12,90945	13,01143	12,96374	12,98904	12,83883	12,951627	12,93053667	-0,02109	0,985487857	Rpl34 // Rpl34	
17277694	6,512301	6,699759	6,123647	6,438764	6,329503	6,504208	6,4452357	6,424158333	-0,02107733	0,98549651	Gm2046	
17437969	5,782618	5,792838	5,818552	5,787565	5,775768	5,76745	5,7980027	5,776927667	-0,021075	0,985498103	Shisa3	
17207487	3,575591	3,271592	4,175382	3,765247	3,297027	3,897068	3,6741883	3,653114	-0,02107433	0,985498559	---	
17206091	8,16433	7,825233	8,171292	8,345228	7,897449	7,854989	8,0536183	8,032555333	-0,021063	0,985506301	---	
17244862	5,349254	4,746123	5,331159	4,751072	5,558323	5,05398	5,1421787	5,121125	-0,02105367	0,985512676	---	
17422384	4,308971	4,410497	4,563516	4,279363	4,431096	4,509399	4,4276613	4,406619333	-0,021042	0,985520646	Prdm16	
17413591	6,769818	6,759604	6,749899	6,651104	6,818883	6,746249	6,7597737	6,738745333	-0,02102833	0,985529982	Polr1e	
17216990	3,923476	4,060165	3,963493	3,839575	4,078023	3,966453	3,982378	3,961350333	-0,02102767	0,985530437	Il10	
17511887	8,398125	8,470415	8,415432	8,393455	8,391735	8,435723	8,4279907	8,406971	-0,02101967	0,985535902	Ciapin1	
17381999	4,408544	4,212431	4,323374	4,347916	4,21328	4,320161	4,314783	4,293785667	-0,02099733	0,985551159	2810030E01Rik	
17320690	3,537768	4,055086	4,03722	4,121456	3,704307	3,741351	3,8766913	3,855704667	-0,02098667	0,985558445	4930588J15Rik	
17203741	5,200747	5,276814	5,336987	5,162148	5,003029	5,586412	5,271516	5,250529667	-0,02098633	0,985558673	---	
17551129	9,529404	9,463943	9,492735	9,541578	9,390574	9,490998	9,4953607	9,474383333	-0,02097733	0,985564821	---	
17229330	5,9585	5,816384	6,390394	6,229295	6,035077	5,838051	6,0550927	6,034141	-0,02095167	0,985582355	Ildr2 // Ildr2	
17499290	5,233416	4,883162	5,223521	5,197717	4,927822	5,151706	5,1133663	5,092415	-0,02095133	0,985582583	2810030D12Rik // 2810030D12Rik	
17541745	6,966347	6,991255	6,849608	6,944551	6,92269	6,877185	6,9357367	6,914808667	-0,020928	0,985598524	Fam122b	
17522876	4,525902	4,568022	4,417803	4,475858	4,449956	4,523135	4,503909	4,482983	-0,020926	0,98559989	Eomes	
17416893	5,453322	5,421454	5,632693	5,542591	5,477376	5,424726	5,5024897	5,481564333	-0,02092533	0,985600345	---	
17246602	5,826784	5,858398	5,894509	5,802573	5,852076	5,862365	5,859897	5,839004667	-0,02089233	0,98562289	Pla2g3	
17355810	6,141178	6,132008	6,093624	6,171486	6,195769	5,936893	6,12227	6,101382667	-0,02088733	0,985626306	Cndp1	
17357270	9,062863	8,822397	8,966127	8,900048	8,928004	8,960717	8,9504623	8,929589667	-0,02087267	0,985636326	1810009A15Rik	
17550312	10,47251	10,63949	10,58676	10,57024	10,57802	10,4879	10,566253	10,54538667	-0,02086667	0,985640425	---	
17533553	9,182855	9,158788	8,847306	8,862614	9,082022	9,181821	9,062983	9,042152333	-0,02083067	0,985665021	Phf16	
17207245	3,985039	2,998193	3,901436	3,955214	3,236871	3,630097	3,6282227	3,607394	-0,02082867	0,985666387	---	
17442940	11,51817	11,89237	11,78359	11,71454	11,80923	11,60789	11,731377	11,71055333	-0,02082333	0,985670031	---	
17481209	4,404161	4,237015	4,375203	4,333382	4,195304	4,425245	4,338793	4,317977	-0,020816	0,985675041	Olfr613	
17371520	5,685205	5,55478	5,693111	5,702182	5,696678	5,471806	5,6443653	5,623555333	-0,02081	0,98567914	---	
17406239	3,850471	3,874431	3,757337	3,837842	3,753613	3,828359	3,827413	3,806604667	-0,02080833	0,985680279	---	
17495566	5,005485	4,903475	5,142906	4,991849	5,170597	4,827029	5,0172887	4,996491667	-0,020797	0,985688022	Tmc7	
17313504	8,795023	8,829447	9,144569	8,947107	8,8575	8,90205	8,923013	8,902219	-0,020794	0,985690072	Srebf2	
17285849	3,289818	3,342203	3,293873	3,264588	3,466996	3,131957	3,3086313	3,287847	-0,02078433	0,985696676	---	
17354023	4,329241	4,544176	4,463888	4,404583	4,394901	4,475579	4,4457683	4,425021	-0,02074733	0,985721956	Grxcr2	
17548638	7,199539	6,945049	7,036828	7,014565	7,011643	7,092973	7,060472	7,039727	-0,020745	0,985723551	Fam58b // Fam58b	
17285805	4,75469	4,46897	4,798146	4,455681	4,759076	4,744814	4,6739353	4,653190333	-0,020745	0,985723551	4933404K08Rik	
17351485	8,759075	8,769799	8,704617	8,599816	8,721471	8,849974	8,744497	8,723753667	-0,02074333	0,985724689	Psmg2	
17248135	9,727949	10,01041	9,92433	9,819736	9,864535	9,916193	9,887563	9,866821333	-0,02074167	0,985725828	Psme4	
17452672	9,200518	9,316678	9,220017	9,20957	9,20951	9,255915	9,2457377	9,224998333	-0,02073933	0,985727422	Zcchc8	
17501538	6,919264	6,23609	6,797327	6,879635	6,720298	6,290549	6,6508937	6,630160667	-0,020733	0,98573175	---	
17515413	8,370684	8,258809	8,215799	8,179441	8,270948	8,332722	8,281764	8,261037	-0,020727	0,985735849	Pigyl	
17537146	4,727893	4,289396	4,435117	4,549218	4,320492	4,520535	4,4841353	4,463415	-0,02072033	0,985740404	Tbx22	
17258547	7,153065	6,937249	6,851019	7,029188	6,937157	6,912838	6,9804443	6,959727667	-0,02071667	0,98574291	2310004N24Rik	
17307446	4,121162	3,923444	4,311325	4,095308	4,121331	4,077178	4,1186437	4,097939	-0,02070467	0,985751109	Sgcg	
17529169	10,02248	10,1673	10,0531	9,99533	10,1513	10,03415	10,08096	10,06026	-0,0207	0,985754297	Cox7a2	
17339941	5,397463	5,512744	5,247737	5,465377	5,259174	5,371309	5,3859813	5,365286667	-0,02069467	0,985757942	Arhgef33	
17415391	3,844917	3,749794	4,022563	3,914151	3,874925	3,76618	3,8724247	3,851752	-0,02067267	0,985772974	---	
17550490	4,819569	4,776062	4,704766	4,746155	4,743542	4,748689	4,766799	4,746128667	-0,02067033	0,985774568	---	
17328897	7,852785	8,104086	8,108473	7,917935	7,938267	8,147135	8,0217813	8,001112333	-0,020669	0,985775479	Dgcr8	
17398567	4,860484	4,768258	4,923701	4,712132	4,788424	4,989888	4,8508143	4,830148	-0,02066633	0,985777301	Tigd4	
17403985	3,649307	3,918103	3,764804	3,716882	3,865666	3,687689	3,7774047	3,756745667	-0,020659	0,985782312	1700008P02Rik	
17519538	8,336328	8,366508	8,338021	8,24435	8,333138	8,401427	8,3469523	8,326305	-0,02064733	0,985790284	Bmp5	
17524092	5,989809	6,000091	5,995094	6,067911	5,985183	5,870017	5,994998	5,974370333	-0,02062767	0,985803722	Folr4	
17262295	11,85822	11,98016	11,92054	11,89889	11,93331	11,86484	11,91964	11,89901333	-0,02062667	0,985804405	Rpl30 // Rpl30	
17531302	4,362503	4,686962	4,685649	4,434301	4,774792	4,464225	4,5783713	4,557772667	-0,02059867	0,985823538	Fbxw13	
17429206	7,118181	7,205055	7,148796	7,267245	6,955288	7,187703	7,157344	7,136745333	-0,02059867	0,985823538	Tie1	
17415136	5,48043	5,240346	5,447104	5,280041	5,418387	5,407714	5,3892933	5,368714	-0,02057933	0,985836749	Adamtsl1	
17398853	4,366262	4,387075	4,607354	4,343298	4,510176	4,445492	4,4535637	4,432988667	-0,020575	0,98583971	Sh2d2a	
17281408	3,241957	3,06059	3,198378	3,056583	3,280776	3,101861	3,166975	3,146406667	-0,02056833	0,985844266	Fscb	
17299518	8,516677	8,749658	8,597525	8,592096	8,659479	8,550583	8,6212867	8,600719333	-0,02056733	0,985844949	Parp2	
17273047	4,91978	4,730027	4,915806	4,732265	4,789042	4,982644	4,8552043	4,834650333	-0,020554	0,98585406	2810410L24Rik	
17268430	6,44421	6,473526	6,901119	6,510019	6,644132	6,603047	6,606285	6,585732667	-0,02055233	0,985855199	Lrrc46	
17356070	5,4935	5,786584	5,632662	5,642882	5,693147	5,515064	5,637582	5,617031	-0,020551	0,98585611	Doc2g	
17300227	5,850032	5,961611	6,155672	6,009233	5,969117	5,92732	5,989105	5,968556667	-0,02054833	0,985857933	---	
17503068	6,973552	7,109407	7,423339	7,094164	7,197394	7,153121	7,168766	7,148226333	-0,02053967	0,985863855	Rfx1	
17372808	4,01999	3,697964	4,09634	4,154751	3,740561	3,857371	3,938098	3,917561	-0,020537	0,985865677	Olfr1052	
17543585	3,14064	3,369373	3,445724	3,412669	3,147964	3,333494	3,318579	3,298042333	-0,02053667	0,985865905	---	
17355776	5,051695	4,487277	4,952004	4,839663	4,735169	4,854535	4,8303253	4,809789	-0,02053633	0,985866133	4930592I03Rik	
17256882	8,076783	8,361022	8,232045	8,317034	8,132653	8,15858	8,2232833	8,202755667	-0,02052767	0,985872055	Nags	
17382914	7,56101	7,377825	7,512219	7,43694	7,565126	7,387427	7,4836847	7,463164333	-0,02052033	0,985877066	Dnlz	
17407794	7,053766	7,091419	7,195134	7,076734	7,120887	7,081146	7,1134397	7,092922333	-0,02051733	0,985879117	Lass2	
17396195	4,815541	5,280993	5,164011	5,017944	5,168073	5,012981	5,0868483	5,066332667	-0,02051567	0,985880255	Bhlhe22	
17253630	7,499328	7,634652	7,967933	7,644555	7,721249	7,674573	7,7006377	7,680125667	-0,020512	0,985882761	Unc119	
17479849	4,571501	4,291113	4,460678	4,415339	4,387589	4,458838	4,4410973	4,420588667	-0,02050867	0,985885039	Tmc3	
17549636	7,180377	7,220304	7,499341	7,286384	7,334646	7,217472	7,3000073	7,279500667	-0,02050667	0,985886406	---	
17547063	2,801924	2,948164	3,218094	3,039557	2,931269	2,935851	2,989394	2,968892333	-0,02050167	0,985889823	---	
17501506	3,17063	3,115291	3,439868	3,131379	3,427898	3,105011	3,2419297	3,221429333	-0,02050033	0,985890734	---	
17269263	5,356687	5,215829	5,454444	5,376618	5,485868	5,103095	5,34232	5,321860333	-0,02045967	0,985918524	Gm11570	
17291089	3,13282	3,718403	3,132761	3,33208	3,28849	3,302051	3,3279947	3,307540333	-0,02045433	0,985922169	Vmn1r207-ps	
17207647	4,97369	4,740818	5,036559	4,528361	5,154559	5,006807	4,9170223	4,896575667	-0,02044667	0,985927408	---	
17200487	6,766506	5,690835	6,704074	6,432193	6,534182	6,133733	6,3871383	6,366702667	-0,02043567	0,985934926	---	
17415768	6,020905	6,10078	6,213126	6,218965	5,885578	6,168994	6,1116037	6,091179	-0,02042467	0,985942443	---	
17216836	8,856051	9,041621	8,940339	8,877154	8,847601	9,05199	8,9460037	8,925581667	-0,020422	0,985944266	R3hdm1	
17299830	4,324718	4,136045	4,366384	4,370999	4,234816	4,160142	4,2757157	4,255319	-0,02039667	0,985961579	---	
17421057	4,34159	4,431349	4,767456	4,279723	4,663566	4,535921	4,513465	4,49307	-0,020395	0,985962718	---	
17494370	4,651875	4,545196	4,612467	4,637656	4,603259	4,50745	4,6031793	4,582788333	-0,020391	0,985965451	Trim30b	
17435221	7,155832	7,759689	7,214372	7,641947	7,137229	7,289571	7,376631	7,356249	-0,020382	0,985971602	Rint1	
17203373	6,986209	6,310581	6,413228	6,377313	6,346497	6,925071	6,570006	6,549627	-0,020379	0,985973652	---	
17509025	3,325577	3,575371	3,649835	3,290769	3,590933	3,607959	3,5169277	3,496553667	-0,020374	0,98597707	AY512931	
17542981	4,479162	4,823194	4,815863	4,739258	4,616548	4,701305	4,706073	4,685703667	-0,02036933	0,985980259	Gm3297	
17366039	9,32603	9,14318	9,19622	9,176459	9,211422	9,216444	9,22181	9,201441667	-0,02036833	0,985980942	Pdzd8	
17432988	9,531878	9,699498	9,598528	9,629987	9,610614	9,528222	9,609968	9,589607667	-0,02036033	0,98598641	Tardbp	
17546160	9,027296	9,179722	8,890716	8,917373	9,066175	9,053121	9,032578	9,012223	-0,020355	0,985990055	Msl3	
17418507	9,901937	9,870242	9,884939	9,850915	9,87882	9,866339	9,885706	9,865358	-0,020348	0,985994839	Mrps15	
17209707	8,76195	8,350633	8,877267	8,671578	8,593513	8,663756	8,6632833	8,642949	-0,02033433	0,986004179	---	
17341293	3,588471	3,234618	3,094617	3,285475	3,414509	3,156721	3,305902	3,285568333	-0,02033367	0,986004635	Vmn2r104	

17316986	10,41554	10,53449	10,53586	10,47677	10,48322	10,46492	10,495297	10,47497	-0,02032667	0,986009419	Eif3h	
17222614	3,428833	3,540292	3,52544	3,375266	3,455877	3,602462	3,4981883	3,477868333	-0,02032	0,986013975	4930448I06Rik	// 4930448I06Rik
17246213	10,77388	10,73844	10,71593	10,77204	10,6826	10,71265	10,74275	10,72243	-0,02032	0,986013975	Pa2g4	
17467365	3,153859	3,279649	3,302838	3,173471	3,363185	3,138771	3,2454487	3,225142333	-0,02030633	0,986023316	---	
17308461	11,04822	11,38713	11,15399	10,78574	11,29809	11,4446	11,196447	11,17614333	-0,02030333	0,986025366	---	
17468411	5,063157	4,608088	5,323083	5,001449	4,837019	5,094951	4,9981093	4,977806333	-0,020303	0,986025594	Gm4477	
17435963	9,469795	9,719042	9,685419	9,737933	9,620346	9,455077	9,624752	9,604452	-0,0203	0,986027644	0610007C21Rik	
17550839	3,155277	3,157279	3,27598	3,1904	3,144855	3,192402	3,1961787	3,175885667	-0,020293	0,986032429	---	
17506891	6,171488	6,304324	6,178988	6,198771	6,317327	6,077826	6,2182667	6,197974667	-0,020292	0,986033112	Ntpcr	
17476456	6,509812	6,51041	6,656946	6,533856	6,553378	6,529121	6,559056	6,538785	-0,020271	0,986047465	Hspb6	
17300314	3,461388	3,124873	3,16143	3,149614	3,398551	3,138728	3,2492303	3,228964333	-0,020266	0,986050882	---	
17279299	6,535322	6,366044	6,455324	6,480729	6,385303	6,429874	6,45223	6,431968667	-0,02026133	0,986054072	Kif26a	
17223659	3,214749	3,304324	3,575894	3,510884	3,261659	3,261667	3,364989	3,344736667	-0,02025233	0,986060223	---	
17205117	3,299676	3,476173	4,08885	4,33841	3,288295	3,177238	3,6215663	3,601314333	-0,020252	0,986060451	---	
17209307	3,299676	3,476173	4,08885	4,33841	3,288295	3,177238	3,6215663	3,601314333	-0,020252	0,986060451	---	
17320947	12,43154	12,36868	12,35584	12,33125	12,37521	12,38886	12,385353	12,36510667	-0,02024667	0,986064096	Slc38a4	
17538004	4,006146	3,780683	3,664035	4,006146	3,781935	3,602054	3,8169547	3,796711667	-0,020243	0,986066603	Il1rapl2	
17226757	7,658321	7,592738	7,660068	7,605159	7,650821	7,594448	7,6370423	7,616809333	-0,020233	0,986073438	Rassf5	
17361097	9,313991	9,598234	9,348191	9,270043	9,556354	9,373322	9,4201387	9,399906333	-0,02023233	0,986073893	---	
17491440	7,955292	7,967284	7,878695	7,941463	7,949965	7,849184	7,933757	7,913537333	-0,02021967	0,986082551	Nipa2	
17376167	8,204302	8,280216	8,113009	8,220613	8,183947	8,132328	8,1991757	8,178962667	-0,020213	0,986087108	Sirpa	
17397091	4,696952	4,43741	4,496926	4,588389	4,482901	4,49939	4,5437627	4,52356	-0,02020267	0,98609417	Adad1	
17244369	10,32926	10,54248	10,52409	10,51863	10,38129	10,43534	10,465277	10,44508667	-0,02019	0,986102828	Gm8580	
17300189	2,939525	2,847862	3,462473	3,363186	2,861931	2,964185	3,0832867	3,063100667	-0,020186	0,986105562	Trav3-4	// Trav3-4
17351706	3,140488	3,126303	3,365027	3,243431	3,21929	3,1086	3,210606	3,190440333	-0,02016567	0,986119461	---	
17445067	3,812304	3,820304	3,812036	3,917158	3,722733	3,744301	3,8148813	3,794730667	-0,02015067	0,986129713	Rxfp2	
17442413	4,855514	4,739094	4,995404	4,943828	4,67024	4,915524	4,8633373	4,843197333	-0,02014	0,986137005	Ccdc62	
17397492	3,955234	4,171163	4,388217	3,960168	4,406798	4,087245	4,171538	4,151403667	-0,02013433	0,986140878	---	
17538018	6,642275	6,510693	6,253997	6,23968	6,502718	6,604172	6,4689883	6,448856667	-0,02013167	0,986142701	Nrk	
17207903	3,081065	3,112711	3,249409	3,506157	2,962298	2,914405	3,1477283	3,12762	-0,02010833	0,98615865	---	
17214120	5,572352	5,328018	5,571022	5,713179	5,42438	5,273571	5,490464	5,470376667	-0,02008733	0,986173005	D530049I02Rik	// D530049I02Rik
17293249	7,020759	7,007739	7,259163	6,398411	7,616096	7,212911	7,095887	7,075806	-0,020081	0,986177334	---	
17359531	8,170042	8,241066	8,326544	8,162999	8,322257	8,1922	8,245884	8,225818667	-0,02006533	0,986188043	Marveld1	
17425855	7,448217	7,636019	7,02716	7,238292	7,339613	7,47334	7,3704653	7,350415	-0,02005033	0,986198297	1110054O05Rik	
17444961	9,269203	9,23397	9,221225	9,170218	9,423988	9,070068	9,241466	9,221424667	-0,02004133	0,986204449	Alox5ap	
17270222	7,307395	7,130226	7,232474	7,08646	7,383389	7,140134	7,223365	7,203327667	-0,02003733	0,986207184	Itga2b	
17309544	9,061578	9,025854	9,007582	8,984579	9,056459	8,99387	9,0316713	9,011636	-0,02003533	0,986208551	Stk24	
17212318	7,846015	7,79746	7,84415	7,647033	7,924135	7,856353	7,8292083	7,809173667	-0,02003467	0,986209006	Mrps9	
17305757	9,457211	9,583354	9,551202	9,497512	9,522304	9,511859	9,530589	9,510558333	-0,02003067	0,986211741	Wdhd1	
17515653	4,747109	4,796764	4,737812	4,646184	4,747109	4,82831	4,7605617	4,740534333	-0,02002733	0,986214019	Opcml	
17332317	8,173974	7,991993	8,066605	8,122181	8,108462	7,941848	8,077524	8,057497	-0,020027	0,986214247	Pigp	
17307033	4,502827	4,61257	4,540947	4,405165	4,643318	4,547792	4,5521147	4,532091667	-0,020023	0,986216982	Gzmb	
17477009	3,746134	3,407625	3,427347	3,495116	3,348258	3,677671	3,5270353	3,507015	-0,02002033	0,986218805	Vmn2r61	
17235180	9,039169	9,138887	9,025578	9,017839	9,017331	9,10853	9,067878	9,0479	-0,019978	0,986247744	Stk11	
17273899	8,970896	9,123968	8,959219	8,940304	9,078346	8,975549	9,0180277	8,998066333	-0,01996133	0,986259138	1110057K04Rik	
17497143	3,84499	4,031874	4,173263	3,737613	4,171172	4,081486	4,016709	3,996757	-0,019952	0,986265518	Fam175b	
17441347	4,845126	4,7638	4,735346	4,845162	4,679354	4,759909	4,781424	4,761475	-0,019949	0,986267569	B230112J18Rik	
17257568	5,034806	5,00244	5,604233	5,011981	5,158754	5,410907	5,2138263	5,193880667	-0,01994567	0,986269848	Tcam1	
17517512	3,909637	3,624795	3,851259	3,709175	3,808362	3,808362	3,7952303	3,775299667	-0,01993067	0,986280102	AI118078	
17331479	3,254043	3,30815	3,632328	3,18097	3,466796	3,486995	3,3981737	3,378253667	-0,01992	0,986287394	---	
17389075	5,287849	5,277297	5,47624	5,36414	5,336058	5,281475	5,3471287	5,327224333	-0,01990433	0,986298105	Gm14015	
17522013	5,906154	5,882538	6,178808	6,034877	5,93044	5,942512	5,9891667	5,969276333	-0,01989033	0,986307676	Col7a1	
17248371	3,726491	3,76664	3,739897	3,640842	4,014608	3,517965	3,7443427	3,724471667	-0,019871	0,986320893	---	
17286462	8,620397	8,626879	8,248047	8,473679	8,20146	8,760581	8,498441	8,478573333	-0,01986767	0,986323172	Nqo2	
17309340	6,677927	6,663695	6,66482	6,49851	6,688349	6,759989	6,668814	6,648949333	-0,01986467	0,986325223	Spry2	
17288970	9,059619	9,068739	9,020267	9,032576	8,999556	9,0569	9,0495417	9,029677333	-0,01986433	0,986325451	Ccnh	
17457031	5,168823	5,150592	5,367328	5,278892	5,260075	5,088237	5,2289143	5,209068	-0,01984633	0,986337757	---	
17440667	8,456767	8,513898	8,517098	8,52718	8,476095	8,424965	8,495921	8,47608	-0,019841	0,986341404	Tpst2	
17285773	3,573661	3,507974	3,226807	3,225582	3,587813	3,435538	3,4361473	3,416311	-0,01983633	0,986344594	Vmn1r203	
17266659	8,742211	9,088325	8,985545	8,867632	9,002198	8,886751	8,9386937	8,918860333	-0,01983333	0,986346645	Crlf3	
17302981	6,426064	6,229576	5,782093	6,2205	5,936912	6,220857	6,145911	6,126089667	-0,01982133	0,986354849	Gm2897	
17353409	5,054586	4,925901	5,196642	4,866646	5,127247	5,123821	5,059043	5,039238	-0,019805	0,986366016	Gm10548	
17207127	3,94488	4,800753	4,751508	4,413772	4,523568	4,500485	4,499047	4,479275	-0,019772	0,986388579	---	
17231973	6,028457	6,268386	6,222356	6,224364	6,198925	6,036633	6,1730663	6,153307333	-0,019759	0,986397467	Ahi1	
17345202	8,736765	8,842909	8,703514	8,706263	8,903352	8,614351	8,7610627	8,741322	-0,01974067	0,986410002	Slc29a1	
17431933	4,883471	5,052986	4,930833	5,006235	4,74478	5,057083	4,9557633	4,936032667	-0,01973067	0,986416839	Klhdc7a	
17548059	3,955257	3,925597	4,150862	3,683274	3,89088	4,398371	4,010572	3,990841667	-0,01973033	0,986417067	4930578L24Rik	
17452808	5,689121	5,654226	5,75461	5,844606	5,633327	5,560874	5,699319	5,679602333	-0,01971667	0,986426411	Cdk2ap1	
17201661	4,421994	4,078818	4,699287	4,393314	4,690688	4,056962	4,400033	4,380321333	-0,01971167	0,98642983	---	
17408049	4,833143	4,963732	4,833143	4,790195	4,747314	5,033376	4,8766727	4,856961667	-0,019711	0,986430286	4930477E14Rik	// 4930477E14Rik
17212821	7,677309	7,833294	7,591228	7,70044	7,649312	7,692976	7,7006103	7,680909333	-0,019701	0,986437123	Ormdl1	
17418339	6,976172	7,192545	7,261912	7,097451	6,968218	7,30586	7,143543	7,123843	-0,0197	0,986437807	Mtf1	
17462059	8,715465	8,684685	8,618036	8,647911	8,675379	8,635855	8,6727287	8,653048333	-0,01968033	0,986451254	D6Wsu116e	
17521854	5,690036	5,588816	5,416839	5,616618	5,791349	5,228684	5,5652303	5,545550333	-0,01968	0,986451482	Mir191	
17411901	5,164051	4,483691	4,38727	4,808503	4,514928	4,652555	4,6783373	4,658662	-0,01967533	0,986454673	---	
17340220	6,770705	6,983134	6,932132	6,888394	6,804427	6,934124	6,8953237	6,875648333	-0,01967533	0,986454673	Rhoq	
17424128	7,79237	7,636875	7,635778	7,671362	7,72873	7,605919	7,688341	7,668670333	-0,01967067	0,986457864	Nol6	
17542516	9,281867	9,224972	9,251568	9,175995	9,181902	9,341547	9,2528023	9,233148	-0,01965433	0,986469032	Hcfc1	
17233739	10,75469	10,90185	10,79875	10,7242	10,91396	10,7582	10,81843	10,79878667	-0,01964333	0,986476554	---	
17232312	5,486147	5,385741	5,693427	5,532913	5,440345	5,533132	5,5217717	5,50213	-0,01964167	0,986477693	Tmem200a	// Tmem200a
17494664	7,858805	8,891535	7,923236	8,324884	8,317867	7,971941	8,2245253	8,204897333	-0,019628	0,986487038	Gm8979	// Gm8979
17379533	6,203605	6,241595	6,193731	6,326321	6,167056	6,086686	6,212977	6,193354333	-0,01962267	0,986490685	Snx21	
17442321	5,86022	5,900155	5,830648	5,893303	5,673138	5,96572	5,8636743	5,844053667	-0,01962067	0,986492053	---	
17443892	6,373322	6,515666	6,544476	6,491957	6,587133	6,295531	6,4778213	6,458207	-0,01961433	0,986496383	A430033K04Rik	
17226039	4,740366	4,705767	4,735453	4,642204	4,646557	4,833983	4,7271953	4,707581333	-0,019614	0,986496611	LOC626049	
17427619	4,73853	5,357719	5,132447	4,935034	5,137811	5,097021	5,076232	5,056622	-0,01961	0,986499346	---	
17492826	7,148602	7,192128	7,337914	7,015676	7,149634	7,454575	7,2262147	7,206628333	-0,01958633	0,986515529	Homer2	
17350697	8,730736	8,902322	8,568358	8,917065	8,651761	8,573893	8,7338053	8,714239667	-0,01956567	0,986529661	Gramd3	
17303329	6,003681	5,589792	5,481827	5,756644	5,679926	5,580058	5,6917667	5,672209333	-0,01955733	0,98653536	1700110I01Rik	
17215298	4,805332	4,5452	4,745181	4,788734	4,708277	4,540043	4,698571	4,679018	-0,019553	0,986538323	Neu2	
17249282	9,107042	9,078766	9,089235	9,107117	9,156824	8,95247	9,091681	9,072137	-0,019544	0,986544477	Clk4	
17547600	4,814452	4,702047	4,752242	4,696836	4,878718	4,634578	4,756247	4,736710667	-0,01953633	0,98654972	Socs3	// Socs3
17434497	9,498693	9,580725	9,516483	9,594452	9,474071	9,468801	9,531967	9,512441333	-0,01952567	0,986557014	Sri	
17376149	6,629317	6,570075	6,738593	6,649731	6,586189	6,643497	6,645995	6,626472333	-0,01952267	0,986559066	---	
17417976	5,493562	5,316511	5,566098	5,387005	5,416529	5,514076	5,4587237	5,439203333	-0,01952033	0,986560661	Edn2	
17533195	4,510782	4,347604	4,598166	4,577533	4,40615	4,41431	4,4855173	4,465997667	-0,01951967	0,986561117	4930402K13Rik	
17301502	4,507893	4,442953	4,833775	4,77086	4,424035	4,531179	4,5948737	4,575358	-0,01951567	0,986563852	Adra1a	
17222001	9,841904	9,985959	9,849686	9,800286	9,93741	9,881346	9,8925163	9,873014	-0,01950233	0,98657297	Prim2	
17549080	4,257721	4,830267	4,793165	4,903817	4,379947	4,538891	4,627051	4,607551667	-0,01949933	0,986575022	---	
17381043	8,56855	8,589628	8,546951	8,473862	8,622025	8,550759	8,5683763	8,548882	-0,01949433	0,986578441	Tpd52l2	
17247490	5,055416	4,515626	4,785613	4,78382	4,924129	4,590268	4,7855517	4,766072333	-0,01947933	0,986588699		4,93E+023
17448456	2,973229	3,034855	2,953005	3,054574	2,930575	2,917509	2,9870297	2,967552667	-0,019477	0,986590294	---	
17503937	13,57485	13,51996	13,54811	13,58349	13,50971	13,49131	13,54764	13,52817	-0,01947	0,986595081	Mt2	
17201681	3,129375	2,970666	2,697713	2,800049	2,785252	3,154076	2,9325847	2,913125667	-0,019459	0,986602604	---	
17481369	4,615711	4,694351	4,696198	4,592028	4,743653	4,612259	4,6687533	4,649313333	-0,01944	0,986615597	Cnga4	
17549396	4,775403	5,038347	4,673499	4,922783	4,78529	4,720896	4,829083	4,809656333	-0,01942667	0,986624716	---	
17448475	9,487622	9,55527	9,534348	9,39887	9,644621	9,475484	9,5257467	9,506325	-0,01942167	0,986628135	Atp8a1	
17418059	7,74913	7,713678	7,704882	7,69681	7,741059	7,671566	7,7225633	7,703145	-0,01941833	0,986630415	Col9a2	
17315482	5,013274	4,717589	4,868302	4,690027	5,043608	4,807296	4,8663883	4,846977	-0,01941133	0,986635202	---	
17280908	5,667494	5,824493	5,619144	5,721767	5,804944	5,526215	5,7037103	5,684308667	-0,01940167	0,986641813	---	
17279190	5,658713	6,086717	5,768933	5,612681	6,042575	5,800929	5,838121	5,818728333	-0,01939267	0,986647968	Trmt61a	
17511286	6,954449	6,708657	7,031158	7,004373	6,869777	6,761962	6,898088	6,878704	-0,019384	0,986653895	Fbxw9	
17310808	10,10233	10,11236	9,917254	9,929356	10,06518	10,07928	10,043981	10,02460533	-0,019376	0,986659366	Dap	
17204309	4,753014	5,369482	5,021228	5,168	5,238686	4,678916	5,047908	5,028534	-0,019374	0,986660734	---	
17462843	6,195788	6,337912	6,055574	6,100681	6,121264	6,309236	6,1964247	6,177060333	-0,01936433	0,986667345	Cd163	
17378596	10,65354	10,86309	10,87101	10,85009	10,85348	10,62599	10,79588	10,77652	-0,01936	0,986670308	---	
17203089	6,242614	5,94144	5,383022	6,391823	5,610214	5,507014	5,855692	5,836350333	-0,01934167	0,986682847	---	
17518328	6,068287	5,788979	5,410913	5,741926	5,96327	5,504958	5,7560597	5,736718	-0,01934167	0,986682847	Uchl4	
17374167	2,977009	3,018086	2,744091	2,867176	2,935513	2,878473	2,913062	2,893720667	-0,01934133	0,986683075	Olfr1276	
17224738	6,78034	6,99882	6,765618	6,843671	6,859174	6,783925	6,8482593	6,828923333	-0,019336	0,986686722	Ap1s3	
17480763	9,38266	9,365141	9,444539	9,269601	9,285557	9,579188	9,3974467	9,378115333	-0,01933133	0,986689914	Rab6a	
17362533	5,942928	6,044509	6,120055	5,874625	6,123237	6,051637	6,0358307	6,016499667	-0,019331	0,986690142	Gm10353	
17537343	9,326357	9,785542	9,705247	9,501248	9,746874	9,511062	9,6057153	9,586394667	-0,01932067	0,986697209	---	
17430593	5,143784	4,602711	4,771734	4,943341	4,772162	4,744795	4,8394097	4,820099333	-0,01931033	0,986704276	Gm853	
17548940	5,151809	5,229965	5,190141	5,141822	5,109506	5,262715	5,1906383	5,171347667	-0,01929067	0,986717727	---	
17469341	9,94645	9,99278	9,721524	9,74893	9,878117	9,975848	9,886918	9,867631667	-0,01928633	0,986720691	Uba3	
17260308	5,799307	5,543727	5,772986	5,647727	5,698861	5,711601	5,70534	5,686063	-0,019277	0,986727074	Npc1l1	
17334028	2,880496	3,348905	2,886806	3,009845	3,012683	3,03589	3,0387357	3,019472667	-0,019263	0,98673665	Gm9805	// Gm9805
17388756	7,773424	7,722071	7,585177	7,613547	7,834188	7,575253	7,6935573	7,674329333	-0,019228	0,986760588	Pdhx	
17396287	8,932559	8,906609	9,000793	8,844403	9,058277	8,879615	8,9466537	8,927431667	-0,019222	0,986764692	Hltf	
17448097	6,75359	6,507795	6,795832	6,742294	6,763015	6,494339	6,685739	6,666549333	-0,01918967	0,986786808	---	
17350356	9,053765	9,146355	8,786971	8,918973	9,068069	8,942533	8,995697	8,976525	-0,019172	0,986798891	Eif1a	
17387514	6,13548	5,956303	6,019597	6,327765	5,745151	5,980988	6,0371267	6,017968	-0,01915867	0,986808011	Gm19426	
17221987	4,244287	3,637341	3,584494	3,66107	4,126527	3,621128	3,8220407	3,802908333	-0,01913233	0,986826024	---	

17378319	10,57839	10,39574	10,30685	10,49154	10,46661	10,26544	10,426993	10,40786333	-0,01913	0,98682762	---		
17221253	10,96892	11,52243	11,15325	11,38655	11,09827	11,1024	11,214867	11,19574	-0,01912667	0,9868299	---		
17448958	4,573151	4,274455	4,643682	4,453854	4,423307	4,556751	4,497096	4,477970667	-0,01912533	0,986830812	---		
17433398	6,136964	6,382079	6,494246	6,344811	6,289431	6,321678	6,337763	6,31864	-0,019123	0,986832408	Thap3		
17310339	4,680863	4,840864	4,989221	4,968586	5,019341	4,465669	4,8369827	4,817865333	-0,01911733	0,986836284	C1qtnf3		
17489046	6,035544	6,306913	6,437441	6,386322	6,226707	6,109523	6,259966	6,240850667	-0,01911533	0,986837652	Hcst		
17382354	4,743201	4,421003	4,551621	4,72813	4,28334	4,647032	4,5719417	4,552834	-0,01910767	0,986842896	Gm13369		
17345170	6,019511	5,862673	5,543813	5,872917	5,808949	5,686834	5,8086657	5,789566667	-0,019099	0,986848824	Spats1		
17539854	6,967401	7,045875	7,052304	6,847939	7,175143	6,98522	7,02186	7,002767333	-0,01909267	0,986853157	Ccdc22		
17414884	5,425799	4,903594	4,809557	5,229753	4,863398	4,988638	5,0463167	5,027263	-0,01905367	0,986879834	Gm428		
17550552	14,12157	14,15574	14,11002	14,09478	14,11607	14,11935	14,12911	14,11006667	-0,01904333	0,986886903	---		
17233634	9,996871	10,45238	9,8308	9,940206	10,03953	10,2432	10,09335	10,074312	-0,01903833	0,986890323	---		
17324034	9,740429	9,862145	9,796329	9,81749	9,766033	9,758291	9,7996343	9,780604667	-0,01902967	0,986896252	Psmd2		
17202977	5,263826	5,219009	4,644998	5,563781	4,129544	5,37744	5,042611	5,023588333	-0,01902267	0,98690104	---		
17410773	4,834347	5,211432	5,081535	4,707793	5,184405	5,178077	5,042438	5,023425	-0,019013	0,986907653	---		
17316878	4,337904	4,219268	4,42025	4,300915	4,442459	4,17701	4,3258073	4,306794667	-0,01901267	0,986907881	Csmd3		
17466966	5,497066	5,245676	5,742624	5,382064	5,61242	5,433908	5,495122	5,476130667	-0,01899133	0,986922475	9130019P16Rik		
17532593	9,264497	9,423699	9,299418	8,999668	9,432091	9,498901	9,3292047	9,31022	-0,01898467	0,986927035	---		
17537993	6,284964	6,374674	6,276855	6,269708	6,280057	6,329781	6,3121643	6,293182	-0,01898233	0,986928631	Fam199x		
17327574	6,989918	6,941314	6,806829	6,77348	6,999354	6,908295	6,912687	6,893709667	-0,01897733	0,986932052	---		
17438571	3,366742	3,644383	3,532936	3,616951	3,367103	3,503076	3,514687	3,49571	-0,018977	0,98693228	---		
17283923	5,503734	5,416569	5,511317	5,397917	5,287981	5,688825	5,4772067	5,458241	-0,01896567	0,986940033	Slc25a29		
17291397	3,57701	3,409467	3,409059	3,556056	3,409514	3,373088	3,4651787	3,446219333	-0,01895933	0,986944365	Gm11351		
17510062	4,924212	5,180881	4,960548	4,785855	5,278549	4,94436	5,0218803	5,002921333	-0,018959	0,986944593	Tmem59l		
17421766	5,692728	5,761403	5,789967	5,889078	5,538667	5,759552	5,7480327	5,729099	-0,01893367	0,986961924	---		
17211713	6,453985	6,624709	6,659944	6,538515	6,683529	6,459802	6,579546	6,560615333	-0,01893067	0,986963976	Ptpn18		
17372255	6,397933	6,143524	6,544413	6,361444	6,298935	6,368721	6,3619567	6,343033333	-0,01892333	0,986968993	---		
17395640	6,039641	5,944263	5,947144	5,982713	6,039502	5,852078	5,977016	5,958097667	-0,01891833	0,986972414	B230312C02Rik		
17550679	7,930632	8,140894	8,090346	8,111623	8,117958	7,875538	8,0539573	8,035039667	-0,01891767	0,98697287	---		
17341872	7,647018	7,736825	7,736248	7,643042	7,720615	7,699695	7,706697	7,687784	-0,018913	0,986976063	Mlst8		
17425248	5,920687	5,947414	6,207436	5,981741	6,082449	5,954609	6,025179	6,006266333	-0,01891267	0,986976291	Tmem246		
17211127	4,349822	3,727806	4,114573	4,253235	3,822321	4,059942	4,064067	4,045166	-0,018901	0,986984272	---		
17297784	5,513275	5,361106	5,486897	5,524024	5,392006	5,38856	5,4537593	5,434863333	-0,018896	0,986987693	Gm10394		
17410244	4,501439	4,358517	4,741446	4,430672	4,55457	4,559496	4,5338007	4,514912667	-0,018888	0,986993166	D030025E07Rik		
17398399	7,642811	7,550826	7,526343	7,49693	7,56929	7,597127	7,5733267	7,554449	-0,01887767	0,987000235	4930579G24Rik		
17273328	7,866203	7,873878	7,929336	7,741485	7,966212	7,905092	7,8898057	7,870929667	-0,018876	0,987001375	Dus1l		
17395948	4,039753	3,934381	4,073415	4,094078	3,854408	4,042454	4,0158497	3,99698	-0,01886967	0,987005708	4930526D03Rik		
17521838	9,178345	9,394423	9,290277	9,321985	9,164542	9,319944	9,2876817	9,268823667	-0,018858	0,98701369	Impdh2		
17407341	8,55212	8,585045	8,697619	8,521858	8,590368	8,665995	8,6115947	8,592740333	-0,01885433	0,987016198	2500003M10Rik		
17305531	5,05616	4,849638	4,842607	4,94686	4,79875	4,946259	4,916135	4,897289667	-0,01884533	0,987022356	---		
17298426	8,944486	8,94005	9,003039	8,861244	8,934638	9,035246	8,962525	8,943709333	-0,01881567	0,987042652	Capn7		
17347042	9,732349	9,62959	9,729155	9,591924	9,763353	9,679381	9,6970313	9,678219333	-0,018812	0,987045161	Ndc80		
17244693	5,534307	5,612243	5,998087	5,913442	5,416622	5,758152	5,714879	5,696072	-0,018807	0,987048582	---		
17342509	10,91848	10,97784	10,95573	10,85864	10,98632	10,95067	10,950683	10,93187667	-0,01880667	0,98704881	Pigq		
17203313	4,745596	4,169399	4,723248	5,347985	3,982394	4,251448	4,546081	4,527275667	-0,01880533	0,987049722	---		
17503613	3,552473	3,630522	3,440446	3,562942	3,560221	3,443903	3,541147	3,522355333	-0,01879167	0,987059073	---		
17235911	6,01261	5,977672	5,939972	5,880119	6,068088	5,925699	5,9767513	5,957968667	-0,01878267	0,98706523	1700028I16Rik		
17551155	12,59423	12,68833	12,63485	12,69263	12,61513	12,55331	12,639137	12,62035667	-0,01878	0,987067055	---		
17403325	10,83227	10,78905	10,74017	10,71271	10,83078	10,76168	10,787163	10,76839	-0,01877333	0,987071616			09/16/17
17333744	2,814596	3,122836	3,081503	3,211039	2,861104	2,890482	3,0063117	2,987541667	-0,01877	0,987073896	---		
17528629	11,1344	10,9376	10,87339	10,97109	10,88174	11,03626	10,981797	10,96303	-0,01876667	0,987076177	Lipc		
17531238	9,231953	9,224995	9,134004	9,157131	9,210988	9,166535	9,196984	9,178218	-0,018766	0,987076633	Arih2		
17331855	3,42428	3,310746	3,247479	3,434656	3,204505	3,28719	3,3275017	3,308783667	-0,018718	0,987109475	2310057N15Rik		
17365421	9,55666	9,651608	9,45559	9,545433	9,546907	9,515377	9,5546193	9,535905667	-0,01871367	0,98711244	Nt5c2		
17532334	4,411588	4,667518	4,609501	4,569022	4,343541	4,719913	4,562869	4,544158667	-0,01871033	0,98711472	Cck		
17442507	10,64047	10,4368	10,3474	10,38354	10,36391	10,62112	10,47489	10,45619	-0,0187	0,987121791	Setd8		
17240502	4,760045	4,581594	4,852299	4,791316	4,645168	4,701415	4,7313127	4,712633	-0,01867967	0,987135703	Armc2		
17271911	8,410913	8,416538	8,471985	8,23454	8,558252	8,450615	8,4331453	8,414469	-0,01867633	0,987137984	Nt5c		
17545761	5,53196	5,352448	5,30496	5,317174	5,376108	5,440084	5,396456	5,377788667	-0,01866733	0,987144142	---		
17299465	8,344217	8,486916	8,187292	8,104418	8,350597	8,50742	8,339475	8,320811667	-0,01866333	0,987146879	Naa30		
17313064	5,84955	5,847631	6,083333	5,978756	5,879797	5,865977	5,926838	5,908176667	-0,01866133	0,987148248	Syngr1		
17510462	5,83926	6,058963	5,724504	5,903427	5,827525	5,835827	5,8742423	5,855593	-0,01864933	0,987156459	Cyp4f18		
17264189	9,447423	9,386468	9,252891	9,328343	9,344934	9,357567	9,3622607	9,343614667	-0,018646	0,987158739	Map2k4		
17443972	8,278022	8,453852	8,460606	8,536482	8,273866	8,326205	8,3974933	8,378851	-0,01864233	0,987161248	Get4		
17476622	2,939525	3,163607	3,007584	2,969945	3,145777	2,939082	3,0369053	3,018268	-0,01863733	0,98716467	Gm4384		
17203733	6,202224	6,355797	6,613482	6,569998	6,528056	6,017539	6,390501	6,371864333	-0,01863667	0,987165126	---		
17514346	12,24637	12,24097	11,73992	12,25359	11,99869	11,91909	12,075753	12,05712333	-0,01863	0,987169687	---		
17471296	6,96239	7,080628	7,027639	7,133128	6,904311	6,977396	7,0235523	7,004945	-0,01860733	0,987185197	Tulp3		
17415971	4,71849	4,507182	4,776936	4,495353	4,556939	4,894508	4,667536	4,648933333	-0,01860267	0,98718839	---		
17525444	3,501625	3,448255	3,62186	3,476745	3,565906	3,473303	3,5239133	3,505318	-0,01859533	0,987193408	Gm17727		
17269064	6,189555	6,021012	5,972229	5,825248	6,071904	6,229881	6,060932	6,042344333	-0,01858767	0,987198655	Krt10		
17516633	10,58694	10,69497	10,54501	10,58247	10,60485	10,58387	10,608973	10,59039667	-0,01857667	0,987206182	Ddx6		
17333102	5,42731	5,511003	5,382363	5,419761	5,409312	5,435878	5,4402253	5,421650333	-0,018575	0,987207322	Prr18		
17282293	4,281284	4,093659	4,32363	4,364317	3,96039	4,318158	4,2328577	4,214288333	-0,01856933	0,9872112	1700052I22Rik		
17343525	4,730573	4,406388	4,960283	4,886901	4,297897	4,856754	4,6990813	4,680517333	-0,018564	0,987214849	---		
17550769	3,755563	3,986784	4,053535	3,95333	3,927068	3,859866	3,9319607	3,913421333	-0,01853933	0,987231728	---		
17329063	8,124132	8,054497	7,894038	7,919307	8,041673	8,056079	8,0242223	8,005686333	-0,018536	0,987234009	Klhl6		
17548004	9,039278	9,20921	9,260256	9,215041	9,038927	9,19918	9,1695813	9,151049333	-0,018532	0,987236747	Gm5978		
17252827	7,993108	8,511639	7,998895	8,012871	8,25433	8,180872	8,1678807	8,149357667	-0,018523	0,987242905	Tsr1		
17314972	7,852247	7,973652	7,998628	7,97397	8,005177	7,789824	7,941509	7,922990333	-0,01851867	0,987245871	Atf1		
17243475	5,273528	4,75432	5,135458	5,03274	5,065827	5,009221	5,0544353	5,035929333	-0,018506	0,987254538	---		
17522729	4,992821	4,635811	4,807969	4,782467	4,926951	4,671666	4,8122003	4,793694667	-0,01850567	0,987254767	4930520O04Rik		
17248809	4,524879	4,272332	4,326439	4,416018	4,38415	4,268002	4,37455	4,356056667	-0,01849333	0,987263206	Havcr2		
17417107	4,643104	4,544131	4,57471	4,579557	4,541072	4,585897	4,587315	4,568842	-0,018473	0,987277121	9130206I24Rik		
17550661	5,482278	5,491527	5,714321	5,420092	5,719856	5,492762	5,5627087	5,544236667	-0,018472	0,987277805	---		
17477579	7,167178	7,184007	7,413831	7,266326	7,219167	7,224184	7,2550053	7,236559	-0,01844633	0,98729537	Akt1s1		
17349503	6,170613	6,433176	6,260476	6,24493	6,156396	6,407618	6,2880883	6,269648	-0,01844033	0,987299476	Reep2		
17546203	3,546859	2,883505	3,058962	3,095997	3,018262	3,319759	3,1631087	3,144672667	-0,018436	0,98730244	---		
17275153	3,19621	3,282699	3,233192	3,302404	3,161679	3,192724	3,237367	3,218935667	-0,01843133	0,987305635	---		
17341354	3,836311	3,976475	3,634365	3,972847	3,623162	3,79588	3,815717	3,797296333	-0,01842067	0,987312935	Vmn1r233		
17274094	12,71253	12,7874	12,81586	12,75739	12,72434	12,7788	12,77193	12,75351	-0,01842	0,987313391	Rpl15 // Rpl15		
17479487	6,846251	6,795839	6,974621	6,594941	7,080067	6,88646	6,872237	6,853822667	-0,01841433	0,987317269	Zfp710		
17493177	2,935395	2,883582	3,160213	2,995413	3,166337	2,762202	2,9930633	2,974650667	-0,01841267	0,98731841	---		
17283634	13,52894	13,54417	13,54468	13,55565	13,55717	13,44974	13,539263	13,52085333	-0,01841	0,987320235	Serpina1c		
17530633	7,504877	7,380933	7,583632	7,406371	7,487723	7,520177	7,489814	7,471423667	-0,01839033	0,987333694	Ppm1m		
17452597	4,629292	4,563391	4,611275	4,460285	4,563391	4,725148	4,6013193	4,582941333	-0,018378	0,987342134	---		
17204741	4,435513	4,183891	4,312356	4,053511	4,004125	4,818992	4,3105867	4,292209333	-0,01837733	0,987342591	---		
17233347	7,159878	7,683967	7,228986	7,384698	7,473667	7,159396	7,3576103	7,339253667	-0,01835667	0,987356734	Gja1		
17314556	9,845285	9,836637	9,859204	9,83069	9,899916	9,755505	9,847042	9,828703667	-0,01833833	0,987369282	Slc48a1		
17345613	9,074259	9,132977	9,212476	9,135106	9,116097	9,113495	9,139904	9,121566	-0,018338	0,98736951	Ubr2		
17260364	9,037577	9,199234	9,077324	9,081865	9,009584	9,167707	9,1047117	9,086385333	-0,01832633	0,987377494	Purb		
17259517	10,62575	10,7841	10,86998	10,82808	10,82665	10,57016	10,759943	10,74163	-0,01831333	0,987386392	---		
17473292	6,379946	6,673417	6,491136	6,321426	6,767101	6,40106	6,514833	6,496529	-0,018304	0,987392779	Lilra5		
17303882	4,990226	5,08653	5,040439	5,158983	5,060606	4,842701	5,039065	5,020763333	-0,01830167	0,987394376	Synpo2l		
17208303	6,867531	6,745306	7,093492	6,911286	7,106279	6,633874	6,9021097	6,883813	-0,01829667	0,987397798	---		
17437674	9,218968	9,203297	9,269993	8,990741	9,146704	9,499941	9,2307527	9,212462	-0,01829067	0,987401905	Klf3		
17423444	7,958239	7,79086	7,963841	8,009289	7,712144	7,936649	7,9043133	7,886027333	-0,018286	0,987405099	Necab1		
17430729	9,558754	9,520861	9,410664	9,311566	9,537063	9,586819	9,4967597	9,478482667	-0,018277	0,987411259	Epb4.1		
17289544	4,298839	4,211798	4,505841	4,134235	4,38043	4,447017	4,338826	4,320560667	-0,01826533	0,98741923	---		
17502374	3,312963	2,954987	3,197098	3,1516	3,074333	3,18432	3,155016	3,136751	-0,018265	0,98741947	---		
17478961	8,020606	8,194229	8,218116	8,128404	8,205066	8,044708	8,144317	8,126059333	-0,01825767	0,987424491	Pcsk6		
17454574	8,85264	8,836176	8,87867	8,887732	8,804831	8,820173	8,8558287	8,837578667	-0,01825	0,987429738	Ttyh3		
17299972	3,064244	2,96519	3,241697	3,069671	3,33752	2,809204	3,090377	3,072131667	-0,01824533	0,98743932	---		
17327747	6,51231	6,582526	6,588627	6,510816	6,541401	6,576514	6,5611543	6,542910333	-0,018244	0,987433845	Tfap4		
17311062	5,569815	5,485852	5,498081	5,453265	5,477314	5,568449	5,517916	5,499676	-0,01824	0,98743582	---		
17364192	5,531871	5,159174	5,212681	5,266918	5,366289	5,215799	5,301242	5,283002	-0,01824	0,987436582	1500017E21Rik		
17336242	6,176801	6,421353	6,471593	6,568737	6,222285	6,224006	6,3565823	6,338342667	-0,01823967	0,987436811	Zbtb22		
17237698	6,320987	6,472405	6,704399	6,536001	6,402157	6,504976	6,4992637	6,481044667	-0,018219	0,98745095	---		
17234763	5,685565	5,597595	5,381197	5,637587	5,530998	5,441165	5,5547857	5,536583333	-0,01820233	0,987462363	Dnmt3l		
17308570	10,25779	10,24259	10,0723	10,1289	10,17345	10,21576	10,190893	10,17270333	-0,01819	0,98747085	Rb1		
17456281	8,253669	8,402287	8,240116	8,231983	8,094505	8,515017	8,2986907	8,280501667	-0,018189	0,987471489	---		
17548838	11,25907	11,4845	11,44702	11,31343	11,42439	11,39822	11,396863	11,37868	-0,01818333	0,987475368	---		
17430533	8,109485	8,322681	8,099973	8,079981	8,27355	8,124062	8,1773797	8,159197667	-0,018182	0,987476281	Khdrbs1		
17468195	7,442877	7,558776	7,368216	7,372056	7,566568	7,376699	7,456623	7,438441	-0,018182	0,987476281	Stambp		
17302523	6,177281	5,967735	6,1485	6,084749	6,003325	6,150955	6,0978387	6,079676333	-0,01816233	0,987489742	Slain1		
17242150	7,314719	7,430843	7,654529	7,362397	7,578438	7,404775	7,466697	7,448536667	-0,01816033	0,987491111	Col6a2		
17231801	8,043577	8,019526	7,982418	7,950993	7,990426	8,049648	8,0151737	7,997022333	-0,01815133	0,987497271	Reps1		
17476076	6,24976	6,320083	6,278223	6,351563	6,156151	6,285942	6,2826887	6,264552	-0,01813667	0,98750731	Rasgrp4		
17491417	6,924214	6,966567	6,878788	6,961332	6,909226	6,844604	6,9231897	6,905054	-0,01813567	0,987507995	Fancf		
17447170	8,51227	8,457249	8,240699	8,367233	8,434023	8,354591	8,403406	8,385282333	-0,01812367	0,987516209	Whsc2		
17548930	5,636816	5,566922	5,59726	5,395315	5,944063	5,40727	5,6003327	5,582216	-0,01811667	0,987521	Ralb // Ralb		
17495302	10,71589	10,77618	10,51719	10,65376	10,69665	10,60454	10,669753	10,65165	-0,01810333	0,987530127	---		
17476613	6,291378	6,243358	6,211754	6,206081	6,088729	6,397373	6,24883	6,230727667	-0,01810233	0,987530811	Gm5326		
17325365	5,511659	5,432978	5,386093	5,89547	5,142031	5,238931	5,4435767	5,425477333	-0,01809933	0,987532865	---		

17246358	8,199453	7,939318	8,242138	8,136487	8,08062	8,109508	8,1269697	8,108871667	-0,018098	0,987533778	Rdh5
17478406	5,195408	5,29634	5,002687	5,192931	5,256345	4,990907	5,1648117	5,146727667	-0,018084	0,987543361	Nell1
17536600	4,937868	4,85971	5,154122	5,139182	4,867414	4,89092	4,9839	4,965838667	-0,01806133	0,987558876	Gdpd2
17502754	9,605612	9,694059	9,637979	9,64546	9,573274	9,664744	9,6458833	9,627826	-0,01805733	0,987561615	Otud4
17457517	3,235812	3,007699	2,97321	2,917003	3,232906	3,012644	3,0722403	3,054184333	-0,018056	0,987562527	---
17257969	7,096855	7,105948	7,25686	7,134871	7,090356	7,180295	7,153221	7,135174	-0,018047	0,987568688	Cog1
17206549	6,744437	7,162977	7,050207	6,786541	7,057333	7,059617	6,9858737	6,967830333	-0,01804333	0,987571198	---
17439221	4,500609	4,326243	4,535181	4,448246	4,394484	4,465189	4,454011	4,435973	-0,018038	0,987574849	LOC100862180 // LOC100862166 // Gm7
17439343	4,500609	4,326243	4,535181	4,448246	4,394484	4,465189	4,454011	4,435973	-0,018038	0,987574849	LOC100862180 // LOC100862166 // Gm7
17514270	4,113816	3,825433	3,938188	4,127218	3,823609	3,87253	3,9591457	3,941119	-0,01802667	0,987582607	Gm3952
17306426	7,261816	7,085037	7,284831	7,180653	7,278361	7,118614	7,2105613	7,192542667	-0,01801867	0,987588083	Cdh24
17271907	5,941129	5,680885	6,202789	5,97965	5,960826	5,830313	5,941601	5,923596333	-0,01800467	0,987597667	Slc16a5
17463689	3,89607	3,825248	3,834688	3,810607	3,954983	3,736447	3,852002	3,834012333	-0,01798967	0,987607935	Bcl2l14
17513860	4,966193	5,032893	5,134645	5,06126	4,8469	5,171621	5,044577	5,026593667	-0,01798333	0,987612271	Sult5a1
17411568	3,962496	3,91739	3,993953	4,00758	3,894814	3,917552	3,9579463	3,939982	-0,01796433	0,987625277	4930423M02Rik
17412009	3,71363	3,613531	3,805265	3,658357	3,805731	3,614455	3,7108087	3,692847667	-0,017961	0,987627559	---
17313751	5,887434	5,936747	5,988073	6,014527	5,798802	5,945055	5,937418	5,919461333	-0,01795667	0,987630526	Arhgap8
17338006	8,244267	8,484968	8,293482	8,231627	8,359095	8,378132	8,3409057	8,322951333	-0,01795433	0,987632123	Xpo5
17548403	8,747791	8,84485	8,846638	8,838397	8,787531	8,759516	8,813093	8,795148	-0,017945	0,987638513	Slc35a4 // Slc35a4
17362197	8,626465	8,597104	8,865252	8,743579	8,57956	8,711856	8,6962737	8,678331667	-0,017942	0,987640566	Vegfb
17360216	9,831628	9,96614	10,06815	10,01526	9,885124	9,911765	9,955306	9,937383	-0,017923	0,987653573	Gsto1
17504281	7,941373	7,967511	7,82921	7,810012	7,928996	7,945335	7,912698	7,894781	-0,017917	0,987657681	AA960436
17540436	4,498037	4,299822	4,542482	4,56892	4,374226	4,343499	4,4467803	4,428881667	-0,01789867	0,987670232	4930578C19Rik
17352198	3,932991	3,873215	4,07177	3,963213	3,855891	4,005184	3,9593253	3,941429333	-0,017896	0,987672057	3010027C24Rik
17540396	4,758787	4,663301	4,95985	4,909233	4,694324	4,724693	4,7939793	4,776083333	-0,017896	0,987672057	Ndp
17434295	11,98357	12,05843	12,09891	11,969	12,1783	11,93994	12,04697	12,02908	-0,01789	0,987676165	Gm15772
17420106	7,154498	6,944319	7,044343	7,188702	7,080374	6,820431	7,04772	7,029835667	-0,01788433	0,987680045	2610528B01Rik
17415076	7,561462	7,663152	7,605658	7,599835	7,581244	7,595552	7,6100907	7,592210333	-0,01788033	0,987682783	Cntln
17222825	7,517117	7,558315	7,135659	7,375435	7,254447	7,527576	7,403697	7,385819333	-0,01787767	0,987684609	Obfc2a
17412593	4,911113	4,943203	5,016077	4,907198	4,954185	4,95542	4,9567977	4,938934333	-0,01786333	0,987694421	Srsf12
17477199	6,093575	5,81301	6,215638	6,116509	5,943838	6,008328	6,040741	6,022891667	-0,01784933	0,987704006	Klk12
17497036	7,405302	7,527176	7,489375	7,367113	7,607412	7,393798	7,473951	7,456107667	-0,01784333	0,987708114	2310057M21Rik
17284484	4,74345	4,490294	3,926118	4,777833	3,608055	4,720445	4,3866207	4,368777667	-0,017843	0,987708342	Ighg // Ighg
17528137	7,874453	7,995469	7,914201	7,870991	7,994851	7,864759	7,928041	7,910200333	-0,01784067	0,98770994	Zwilch
17549412	3,549377	3,583137	3,627403	3,570818	3,538381	3,597218	3,586639	3,568805667	-0,01783333	0,98771496	---
17549790	3,549377	3,583137	3,627403	3,570818	3,538381	3,597218	3,586639	3,568805667	-0,01783333	0,98771496	---
17476071	6,056049	6,030179	6,137975	5,959005	6,125791	6,085938	6,0747343	6,056911333	-0,017823	0,987722035	Ryr1 // Ryr1
17220016	7,554584	8,267311	7,791255	7,875257	7,943202	7,741266	7,87105	7,853241667	-0,01780833	0,987732076	---
17484469	7,853381	8,04222	8,002045	7,915859	7,925738	8,002627	7,965882	7,948074667	-0,01780733	0,987732761	Zfp511
17222179	6,998865	7,21674	7,057199	7,103178	7,056098	7,060118	7,0909347	7,073131333	-0,01780333	0,987735499	Lman2l
17205011	9,197994	9,215357	9,269972	9,053559	9,227123	9,349253	9,2277743	9,209978333	-0,017796	0,98774052	---
17476443	6,333167	6,478001	6,782668	6,796903	6,51852	6,225032	6,5312787	6,513485	-0,01779367	0,987742118	Gm1082
17446320	3,940712	3,994423	3,396622	3,73368	3,707115	3,837627	3,7772523	3,759474	-0,01777833	0,987752616	---
17209831	5,909875	5,87674	5,485747	5,37937	5,855163	5,984502	5,757454	5,739678333	-0,01777567	0,98775441	---
17424515	6,418818	6,20567	6,41125	6,249149	6,442023	6,291243	6,345246	6,327471667	-0,01777433	0,987755354	Fancg
17404965	2,838864	2,927828	2,829329	2,870245	2,886249	2,786207	2,8653403	2,847567	-0,01777333	0,987756039	---
17289279	7,577317	7,747785	7,524364	7,526752	7,613447	7,655958	7,6164887	7,598719	-0,01776967	0,987758549	---
17210883	4,211239	4,260879	4,149658	4,350883	3,957772	4,259837	4,2072587	4,189497333	-0,01776133	0,987764255	---
17443110	6,283978	5,451143	6,075827	6,237412	5,423987	6,096282	5,9369827	5,919227	-0,01775567	0,987768135	---
17345527	9,374561	9,551512	9,454576	9,481129	9,581587	9,264735	9,4602163	9,442483667	-0,01773267	0,987783882	Klhdc3
17218391	3,168238	2,803581	2,94728	3,053003	3,018262	2,794649	2,973033	2,955304667	-0,01772833	0,987786849	---
17204259	3,344513	3,073634	3,176744	3,575175	2,860886	3,105647	3,198297	3,180569333	-0,01772767	0,987787306	---
17436938	6,232743	6,119012	6,243602	6,197261	6,29613	6,04881	6,1984523	6,180733667	-0,01771867	0,987793468	Ccdc96
17221925	3,951045	3,774746	3,805796	3,830732	3,896187	3,751539	3,8438623	3,826152667	-0,01770967	0,98779963	Gm597
17292370	10,31513	10,25655	10,30089	10,36157	10,22633	10,23155	10,290857	10,27315	-0,01770667	0,987801684	Fam120a
17330141	4,281739	3,770517	4,387646	4,046769	4,359475	3,980541	4,146634	4,128928333	-0,01770567	0,987802369	Csta // Csta
17492329	4,384871	4,710862	4,659893	4,526788	4,585523	4,590231	4,5852087	4,567514	-0,01769467	0,9878099	Rlbp1
17278183	5,313266	5,487235	5,644778	5,537761	5,535676	5,318762	5,4817597	5,464066333	-0,01769333	0,987810813	---
17339476	10,15539	10,29162	10,14006	10,15747	10,2263	10,15022	10,19569	10,17799667	-0,01769333	0,987810813	Wdr43
17287520	4,858645	5,039734	5,008432	5,117541	4,910038	4,826157	4,968937	4,951245333	-0,01769167	0,987811954	Eif4e1b
17377372	5,18329	5,000453	5,216228	5,198613	5,109097	5,039209	5,1333237	5,115639667	-0,017684	0,987817204	Cstl1
17549266	8,58098	8,720333	8,548744	8,630245	8,567768	8,599007	8,6166857	8,599006667	-0,017679	0,987820627	---
17458612	4,923944	4,84027	4,780084	4,842576	4,627997	5,020701	4,8480993	4,830424667	-0,01767467	0,987823594	---
17468483	3,572244	3,488849	3,615332	3,627669	3,336617	3,659137	3,5588083	3,541141	-0,01766733	0,987828616	Gm19273
17457973	4,358289	4,256981	4,179755	4,147138	4,495959	4,098937	4,2650083	4,247344667	-0,01766367	0,987831126	Olfr450
17536310	3,36708	3,163782	3,548712	3,433347	3,234195	3,359043	3,359858	3,342195	-0,017663	0,987831583	---
17481018	6,34409	6,305924	6,313092	6,34019	6,266799	6,30316	6,3210353	6,303383	-0,01765233	0,987838886	Trpc2
17500523	9,22011	9,417376	9,260007	9,185756	9,397315	9,26148	9,2991643	9,281517	-0,01764733	0,98784231	Tmem66
17388522	4,118359	4,054961	4,156051	3,953191	4,243955	4,079316	4,1097903	4,092154	-0,01763633	0,987849842	Accsl
17274959	5,460711	5,561528	5,557352	5,494606	5,485806	5,546271	5,5265303	5,508894333	-0,017636	0,98785007	Twist1
17509907	8,320633	8,358083	8,332327	8,358286	8,295024	8,304842	8,3370143	8,319384	-0,01763033	0,98785395	Gatad2a
17343088	5,376739	5,314666	5,780607	5,465144	5,405653	5,548373	5,4906707	5,473056667	-0,017614	0,987865134	Mdga1
17535127	4,125828	4,167692	4,313111	4,452522	4,128658	3,97262	4,2022103	4,1846	-0,01761033	0,987867645	---
17392401	9,131979	9,433292	9,601223	9,498711	9,579587	9,035371	9,3888313	9,371223	-0,01760833	0,987869014	Snord17
17522887	8,466543	8,508425	8,244598	8,453364	8,482237	8,231161	8,406522	8,388920667	-0,01760133	0,987873808	Golga4
17208291	5,986052	5,096725	5,483125	5,422798	5,348826	5,741488	5,5219673	5,504370667	-0,01759667	0,987877003	---
17387961	3,245733	3,211845	3,393883	3,36614	3,32516	3,107387	3,2838203	3,266229	-0,01759133	0,987880655	Olfr1245
17409668	7,624974	7,8764	7,573335	7,529095	7,628349	7,864542	7,6915697	7,673995333	-0,01757433	0,987892296	Cdc14a
17439289	3,873594	3,648842	3,70663	3,764395	3,412963	3,999045	3,743022	3,725467667	-0,01755433	0,987905991	Gm7963 // LOC665729 // Gm6523
17282936	5,163022	5,129273	5,113305	5,119966	5,119966	5,113078	5,1352	5,11767	-0,01753	0,987922654	---
17407979	6,869282	7,039661	6,77215	6,848107	6,792753	6,987646	6,8936977	6,876168667	-0,017529	0,987923338	Vps45
17348054	8,172743	8,360678	8,179598	8,208365	8,1329	8,319231	8,237673	8,220165333	-0,01750767	0,987937947	Mettl4
17221490	8,656521	8,655995	8,347686	8,395469	8,624157	8,588053	8,5534007	8,535893	-0,01750767	0,987937947	Ube2w
17550332	4,976053	5,326039	5,093427	4,785854	5,253648	5,30352	5,1318397	5,114340667	-0,017499	0,987943882	---
17550360	4,976053	5,326039	5,093427	4,785854	5,253648	5,30352	5,1318397	5,114340667	-0,017499	0,987943882	---
17480386	8,319019	8,516965	8,285181	8,289958	8,347486	8,431225	8,3737217	8,356223	-0,01749867	0,98794411	Rsf1
17437377	4,026326	3,931023	4,239431	4,249009	3,904575	3,990712	4,0655933	4,048098667	-0,01749467	0,987946849	---
17457994	5,132976	4,704731	5,040605	4,883141	5,010012	4,932676	4,9594373	4,941943	-0,01749433	0,987947078	Olfr446
17386433	6,280799	5,922154	6,373612	6,140194	6,203881	6,180018	6,1921883	6,174697667	-0,01749067	0,987949589	Dlx2
17238532	5,823857	5,726338	5,789839	5,950045	5,64838	5,689155	5,7800113	5,762526667	-0,01748467	0,987953697	---
17365193	5,533996	5,270091	5,41737	5,226125	5,500026	5,442948	5,4071523	5,389699667	-0,01745267	0,987975611	Lbx1
17282148	7,855889	8,272343	7,963317	7,923996	8,079473	8,035766	8,0305163	8,013078333	-0,017438	0,987985655	Vti1b
17349930	4,688123	4,268807	4,263755	4,291512	4,221981	4,654897	4,406895	4,389463333	-0,01743167	0,987989992	Pcdhb18
17277490	7,005608	6,924681	7,142262	7,006088	7,049325	6,964863	7,0241837	7,006758667	-0,017425	0,987994558	1700020O03Rik
17418465	4,136039	4,31456	4,400216	4,266744	4,348545	4,183267	4,283605	4,266185333	-0,01741967	0,98799821	Grik3
17494610	5,880388	6,291667	6,019187	6,165864	6,00642	5,966699	6,0637473	6,046327667	-0,01741967	0,98799821	Dchs1
17249301	6,706288	6,540879	7,067105	6,520378	7,040982	6,700656	6,771424	6,754005333	-0,01741867	0,987998895	Col23a1
17513453	6,253457	6,146749	6,296865	6,202087	6,158805	6,283931	6,232357	6,214941	-0,017416	0,988000721	Taf1c
17338043	8,369972	8,493655	8,304194	8,325598	8,563848	8,226134	8,3892737	8,37186	-0,01741367	0,988002319	Yipf3
17502390	10,25234	10,18366	10,17346	10,15077	10,19478	10,21167	10,203153	10,18574	-0,01741333	0,988002547	Rab8a
17546133	3,862178	3,830951	4,129651	3,812762	3,997428	3,960367	3,9409267	3,923519	-0,01740767	0,988006428	Frmpd4
17367239	4,78997	4,735661	4,814959	4,769777	4,921944	4,596667	4,7801967	4,762796	-0,01740067	0,988011222	---
17507171	8,547459	8,680706	8,727147	8,545077	8,696214	8,661861	8,6517707	8,634384	-0,01738667	0,98802081	---
17455488	5,988302	5,748403	6,00138	5,842152	5,889996	5,953778	5,912695	5,895308667	-0,01738633	0,988021038	S730422E09Rik
17312905	10,10874	10,20522	10,13552	9,997654	10,20853	10,19114	10,149827	10,13244133	-0,01738533	0,988021723	Eif3l
17273280	7,271199	7,376406	7,374816	7,365	7,332952	7,272325	7,340807	7,323425667	-0,01738133	0,988024462	Stra13
17325608	6,187699	5,952083	6,086267	5,914774	6,054392	6,204788	6,0753497	6,057984667	-0,017365	0,988035648	Cd80
17551125	9,123441	9,136903	8,770361	9,021966	8,868886	9,087846	9,010235	8,992899333	-0,01733567	0,988055737	---
17376446	9,410444	9,435364	9,510618	9,360884	9,467495	9,476054	9,452142	9,434811	-0,017331	0,988058933	Cdc25b
17244539	3,893819	3,966137	4,006169	3,738867	4,166709	3,908567	3,955375	3,938047667	-0,01732733	0,988061445	---
17467444	6,462735	6,448701	6,573657	6,501369	6,56775	6,364094	6,495031	6,477737667	-0,01729333	0,988084731	Rprl1
17273850	4,232978	4,3252	4,384213	4,324262	4,17421	4,39204	4,3141303	4,296837333	-0,017293	0,988084959	2810032G03Rik
17543087	3,963202	3,89956	4,190108	4,070694	3,886121	4,044201	4,0176233	4,000338667	-0,01728467	0,988090666	Il1rapl1
17396369	7,328648	7,45716	7,577073	7,499253	7,595882	7,215958	7,4542937	7,437031	-0,01726267	0,988105734	Nceh1
17536353	4,389752	4,470805	4,456717	4,46964	4,379285	4,416602	4,4390913	4,421842333	-0,017249	0,988115094	Zc3h12b
17208035	5,71376	4,603164	6,196519	5,714475	5,244726	5,502545	5,504481	5,487248667	-0,01723233	0,98812651	---
17323753	4,974019	4,679387	4,96456	4,824624	4,915506	4,826149	4,8726553	4,855426333	-0,017229	0,988128793	---
17227611	4,665178	4,744886	5,157027	4,700905	4,991203	4,823315	4,855697	4,838474333	-0,01722267	0,988133131	1700019P21Rik
17474647	6,923469	6,843558	7,145253	6,917688	7,124527	6,818433	6,97076	6,953549333	-0,01721067	0,98814135	Trappc6a
17548413	6,51452	6,490071	6,782947	6,474576	6,712254	6,549101	6,595846	6,578643667	-0,01720233	0,988147057	Ssh1 // Ssh1
17262586	3,917288	3,953603	3,395179	3,748677	3,748482	3,717309	3,7553567	3,738156	-0,01720067	0,988148199	---
17471956	2,863591	3,05233	3,196486	2,909047	3,12535	3,026432	3,037469	3,020276333	-0,01719267	0,988153678	Tas2r115
17206399	5,634322	5,258925	5,894314	5,550496	5,824453	5,361083	5,5958537	5,578677333	-0,01717633	0,988164866	---
17300278	10,63182	10,6856	10,55481	10,69118	10,377	10,75255	10,624077	10,60691	-0,01716667	0,988171487	---
17387702	4,069805	4,145717	4,048788	4,311856	3,773894	4,127061	4,0881033	4,070937	-0,01716633	0,988171715	Olfr1086
17351178	3,788472	3,917296	4,060559	3,730196	3,799971	4,184766	3,922109	3,904977667	-0,01713133	0,988195689	Spink10
17276983	4,108842	3,840333	4,625602	4,061894	4,148607	4,312939	4,1915923	4,17448	-0,01711233	0,988208703	---
17433236	6,307274	6,333216	6,430767	6,35203	6,544858	6,123043	6,3570857	6,339977	-0,01710867	0,988211215	Spsb1
17250330	7,199156	7,185806	7,341911	7,344089	7,220883	7,11059	7,242291	7,225187333	-0,01710367	0,98821464	Rai1
17251514	7,372598	7,635197	7,419006	7,531941	7,24549	7,598071	7,4756003	7,458500667	-0,01709967	0,988217379	Snord118 // Snord118
17317086	9,36998	9,47084	9,42124	9,349878	9,441445	9,419449	9,4206867	9,403590667	-0,017096	0,988219891	Taf2
17484682	6,627415	6,768665	6,948508	6,763649	6,65442	6,875249	6,7815293	6,764439333	-0,01709	0,988224001	Athl1
17378395	6,168261	6,179207	6,184776	6,082994	6,22381	6,174189	6,1774147	6,160331	-0,01708367	0,988228339	Myh7b
17545764	4,411799	4,161557	4,121336	4,282004	4,266751	4,094702	4,231564	4,214485667	-0,01707833	0,988231992	Ppef1

17200285	7,987866	7,542508	7,82964	8,264983	7,45961	7,584208	7,7866713	7,769600333	-0,017071	0,988237016	---	
17381376	10,18908	10,25277	10,18075	10,20227	10,17434	10,19484	10,207533	10,19048333	-0,01705	0,988251401	Cdc123	
17377268	7,967182	8,024512	7,941816	7,949963	8,000355	7,932072	7,9778367	7,960796667	-0,01704	0,988258251	Plk1s1	
17287368	4,20198	4,089096	4,205634	3,967612	4,433286	4,04472	4,16557	4,148539333	-0,01703067	0,988264644	---	
17467656	9,101662	9,083506	9,005609	9,042585	9,078034	9,01918	9,0635923	9,046599667	-0,01699267	0,988290675	Mrpl35	
17216153	3,576478	3,43114	3,443472	3,517792	3,317091	3,56528	3,4836967	3,466721	-0,01697567	0,988302321	4930440C22Rik	
17213548	6,752359	7,121922	6,720205	7,078741	6,636074	6,828744	6,8648287	6,847853	-0,01697567	0,988302321	Nrp2	
17363080	3,404562	2,863728	2,90599	2,957486	3,121263	3,044655	3,0580933	3,041134667	-0,01695867	0,988313966	Olfr1436	
17469531	2,797312	2,878477	2,784333	2,751559	2,865296	2,792408	2,8200407	2,803087667	-0,016953	0,988317848	---	
17426919	4,19511	3,832521	3,780993	3,977058	4,03733	3,743393	3,936208	3,919260333	-0,01694767	0,988321502	---	
17415338	4,851481	4,334498	3,939538	4,760404	3,602497	4,711779	4,3751723	4,358226667	-0,01694567	0,988322872	Gm13275	
17342650	5,707063	5,68338	5,814194	5,767794	5,69632	5,689714	5,734879	5,717942667	-0,01693633	0,988329266	---	
17350196	3,421937	3,273268	3,240112	3,223402	3,273827	3,387293	3,3117723	3,294840667	-0,01693167	0,988332463	Scgb3a2	
17518777	4,41729	4,549858	4,829221	4,714419	4,534042	4,497146	4,5987897	4,581869	-0,01692067	0,988339999	---	
17338388	6,967958	7,243816	7,189451	7,189451	7,153351	7,007677	7,1337417	7,116826333	-0,01691533	0,988343652	Treml2	
17343834	5,081924	5,073016	5,102214	4,955908	5,104591	5,145911	5,085718	5,068803333	-0,01691467	0,988344109	Btnl6	
17498810	5,896382	6,182894	6,455354	6,192344	6,223835	6,067741	6,17821	6,161306667	-0,01690333	0,988351873	Gm14378	
17378741	6,486094	6,642337	6,697656	6,694356	6,468411	6,612629	6,6086957	6,591798667	-0,016897	0,988356212	Nnat	
17410537	6,545542	6,699239	6,42293	6,667655	6,396246	6,553168	6,5559037	6,539023	-0,01688067	0,988367401	4930539J05Rik	
17511808	10,35553	10,41819	10,40707	10,42002	10,36043	10,34972	10,393597	10,37672333	-0,01687333	0,988372425	Amfr	
17285007	10,41697	10,53899	10,4195	10,34905	10,61609	10,35975	10,458487	10,44163	-0,01685667	0,988383844	Pitrm1	
17449394	4,694052	4,601807	4,13562	4,759666	4,003913	4,617337	4,4771597	4,460305333	-0,01685433	0,988385442	Sult1b1	
17391473	11,60021	11,61449	11,72471	11,56705	11,79221	11,52963	11,64647	11,62963	-0,01684	0,988395262	---	
17277976	4,501488	4,718095	4,680465	4,502674	4,6376	4,70928	4,6333493	4,616518	-0,01683133	0,9884012	Kif4-ps	
17511623	5,252633	5,199987	5,544419	5,467115	5,222425	5,257055	5,3323463	5,315531667	-0,01681467	0,988412618	Irx3	
17529046	5,129132	5,111283	5,035771	5,046385	4,989186	5,190328	5,092062	5,075299667	-0,01676233	0,988448473	E330016A19Rik	
17284628	4,589984	4,528973	4,350081	4,611846	4,18657	4,620362	4,4896793	4,4729326	-0,01675333	0,988454639	---	
17505058	2,912227	3,160165	2,868666	3,040101	2,908352	2,942434	2,9803527	2,963629	-0,01672367	0,988474966	---	
17207953	5,630764	5,837358	5,567727	5,582715	5,463156	5,939827	5,6786163	5,661899333	-0,016717	0,988479533	---	
17365211	6,751338	6,763271	7,067203	6,747821	6,813803	6,970059	6,860604	6,843894333	-0,01670967	0,988484558	Fbxw4	
17430237	5,734793	5,509349	5,770103	5,78387	5,301674	5,878575	5,671415	5,654706333	-0,01670867	0,988485243	CK137956	
17476595	5,099911	4,998486	5,020722	4,988377	5,139909	4,94071	5,0397063	5,022998667	-0,01670767	0,988485928	G630030J09Rik	
17396336	12,34938	12,48984	12,49409	12,42691	12,48519	12,37109	12,444437	12,42773	-0,01670667	0,988486613	Rpl27a // Rpl27a	
17243448	9,607267	9,90234	9,85277	9,729384	9,81662	9,766253	9,787459	9,770752333	-0,01670667	0,988486613	Gm8158 // Gm8112	
17243465	9,607267	9,90234	9,85277	9,729384	9,81662	9,766253	9,787459	9,770752333	-0,01670667	0,988486613	Gm8158 // Gm8112	
17339858	7,5501	7,543077	7,378906	7,39708	7,586398	7,438554	7,4906943	7,474010667	-0,01668367	0,988502372	Cebpz	
17405591	8,514161	8,549946	8,437358	8,465682	8,600067	8,385679	8,5004883	8,483809333	-0,016679	0,98850557	Slc33a1	
17550873	3,259873	3,226817	3,31352	3,382013	3,259873	3,108289	3,2667367	3,250058333	-0,01667833	0,988506027	---	
17469412	3,034559	3,043106	3,212016	2,90847	3,452015	2,879168	3,0965603	3,079884333	-0,016676	0,988507625	---	
17301582	3,612689	3,61524	3,893144	3,691522	3,816265	3,563268	3,7070243	3,690351667	-0,01667267	0,988509909	Nefl	
17313560	7,436872	7,412807	7,398142	7,30439	7,480622	7,412807	7,4159403	7,399273	-0,01666733	0,988513564	Fam109b	
17527825	4,470831	4,402491	4,480065	4,322698	4,560881	4,419816	4,451129	4,434465	-0,016664	0,988515848	Myo9a	
17358094	4,206899	4,05848	4,032924	4,171422	4,073349	4,003578	4,0994343	4,082783	-0,01665133	0,988524527	1500015L24Rik	
17233457	10,79315	10,95426	10,85485	10,79241	10,91976	10,84015	10,86742	10,85077333	-0,01664667	0,988527724	Ranbp2	
17249916	6,150356	6,057394	6,280441	6,297118	6,168005	5,973181	6,1627303	6,146101333	-0,016629	0,988539829	---	
17210395	6,538081	6,421342	6,214513	6,295024	6,342587	6,486525	6,391312	6,374712	-0,0166	0,9885597	---	
17428645	7,82477	7,67281	7,632679	7,516342	7,816009	7,748134	7,7100863	7,693495	-0,01659133	0,988565639	Tmem69	
17201221	8,820615	9,221551	8,377931	8,488659	8,801029	9,080648	8,806699	8,790112	-0,016587	0,988568608	---	
17405541	4,490516	4,459246	4,316385	4,522872	4,214458	4,479084	4,422049	4,405471333	-0,01657767	0,988575004	Gpr149	
17514664	3,765122	3,944357	3,959528	3,73354	4,053451	3,832304	3,889669	3,873098333	-0,01657067	0,9885798	---	
17498602	6,286494	6,377017	6,444073	6,323388	6,372271	6,362216	6,3691947	6,352625	-0,01656967	0,988580486	Zfp358	
17341681	7,364717	7,484069	7,472364	7,45093	7,393515	7,427011	7,4403833	7,423818667	-0,01656467	0,988583912	Kctd5	
17345029	5,489433	5,331961	5,752509	5,545362	5,484537	5,49433	5,5246343	5,508076333	-0,016558	0,98858848	Gpr111	
17401335	11,14814	11,01611	11,12557	11,1263	11,08565	11,02825	11,096607	11,08006667	-0,01654	0,988600814	Slc16a1	
17445607	3,958713	4,132024	4,67745	4,306065	4,164766	4,247749	4,2560623	4,239526667	-0,01653567	0,988603784	---	
17265596	5,41094	5,557108	5,846407	5,477332	5,592127	5,695429	5,6048183	5,588296	-0,01652233	0,98861292	4933427D14Rik	
17451460	3,180918	3,509361	3,13219	3,172631	3,248865	3,351504	3,2741563	3,257666667	-0,01648967	0,988635306	---	
17306918	5,538308	5,588429	5,467107	5,503295	5,459002	5,582081	5,5312813	5,514792667	-0,01648867	0,988635991	Nynrin // Nynrin	
17511142	7,736775	7,616842	7,615789	7,700901	7,589996	7,629063	7,6564687	7,639986667	-0,016482	0,988640559	Nfix	
17364545	6,460161	6,463861	6,392851	6,417084	6,465809	6,384553	6,4389577	6,422482	-0,01647567	0,988644899	Tctn3	
17381864	7,273026	7,128876	6,895918	6,969699	7,184384	7,094329	7,0992733	7,082804	-0,01646933	0,98864924	Trdmt1 // Trdmt1	
17281676	7,951536	8,004992	8,025232	8,009699	7,867882	8,054834	7,99392	7,977471667	-0,01644833	0,988663631	Sav1	
17498874	10,02823	10,08084	10,0554	9,900774	10,14996	10,0644	10,054823	10,038378	-0,01644533	0,988665686	Gpi1 // Gpi1	
17236860	7,528744	7,393029	7,4245	7,568513	7,317657	7,410778	7,4487577	7,432316	-0,01644167	0,988668199	Poc1b	
17202817	4,840403	5,340823	5,486215	5,450381	4,794818	5,37292	5,2224803	5,206039667	-0,01644067	0,988668884	---	
17479425	7,650673	7,48523	7,714766	7,575004	7,417512	7,808839	7,6168897	7,600451667	-0,016438	0,988670712	5730590G19Rik	
17427139	3,412773	3,213179	3,163271	3,327747	3,1929	3,219302	3,2630743	3,246649667	-0,01642467	0,988679849	---	
17257822	8,429847	8,558326	8,442261	8,382342	8,461569	8,537277	8,4768113	8,460396	-0,01641533	0,988686245	Gna13	
17393620	7,618721	7,492119	7,581585	7,573308	7,565868	7,504013	7,5641417	7,547729667	-0,016412	0,98868853	Dsn1	
17232082	5,254236	5,256621	4,977539	5,25169	5,1711	5,016373	5,1627987	5,146387667	-0,016411	0,988689215	Raet1e	
17331148	7,337644	7,440484	7,455976	7,361969	7,38757	7,435371	7,411368	7,39497	-0,016398	0,988698124	2610528E23Rik	
17287777	4,62845	4,515852	4,544481	4,527512	4,548635	4,563459	4,5629277	4,546535333	-0,01639233	0,988702008	Catsper3	
17547565	9,581602	9,704804	9,551847	9,52494	9,624451	9,63971	9,612751	9,596367	-0,016384	0,988707718	---	
17333092	7,884229	8,041414	7,859667	8,114604	7,832208	7,789389	7,9284367	7,912067	-0,01636967	0,988717541	Sft2d1	
17379692	4,938236	4,837969	5,522171	5,329165	4,992485	4,927625	5,0994587	5,083091667	-0,016367	0,988719369	Eya2	
17255387	8,792286	8,891712	8,72881	8,690319	8,884495	8,788935	8,8042693	8,787916333	-0,016353	0,988728964	Slc35b1	
17467996	7,590063	7,737528	7,724035	7,73329	7,595882	7,673446	7,6838753	7,667539333	-0,016336	0,988740614	Mrpl19	
17310882	10,13092	10,01488	9,672356	9,758967	9,938545	10,07169	9,9393853	9,923067333	-0,016318	0,988752951	Pgcp	
17253461	9,04886	9,061028	9,197891	9,115383	9,059409	9,084033	9,102593	9,086275	-0,016318	0,988752951	Tlcd1	
17233957	4,315275	4,602521	4,30659	4,402542	4,606237	4,166665	4,4081287	4,391814667	-0,016314	0,988755692	---	
17548151	7,155422	7,057832	7,091243	7,003211	7,103009	7,149342	7,101499	7,085187333	-0,01631167	0,988757291	---	
17316358	3,343016	3,412573	3,509758	3,408893	3,475371	3,332161	3,4217823	3,405475	-0,01630733	0,988760261	4930592A05Rik	
17541318	3,322946	3,533683	3,534759	3,446643	3,513264	3,382599	3,463796	3,447502	-0,016294	0,988769399	Odz1	
17297112	3,115038	3,183935	3,512083	3,375512	3,08093	3,305733	3,270352	3,254058333	-0,01629367	0,988769628	Gm3833	
17330391	7,879179	8,107655	7,943415	7,942535	7,993967	7,94488	7,9767497	7,960460667	-0,016289	0,988772826	Poglut1	
17398512	9,970616	10,03303	9,957663	9,969104	10,0163	9,927062	9,987103	9,970822	-0,016281	0,988778309	Plrg1	
17451334	6,621792	6,478185	6,949125	6,641973	6,71919	6,639105	6,683034	6,666756	-0,016278	0,988780365	Crybb3	
17514953	3,625748	3,685245	3,569615	3,685538	3,593122	3,553229	3,6268693	3,610629667	-0,01623967	0,988806638	Olfr77	
17341703	10,90289	10,76517	10,63876	10,69089	10,79775	10,76951	10,76894	10,75271667	-0,01622333	0,988817833	---	
17412767	4,733492	4,523021	4,715691	4,709339	4,534859	4,67938	4,6574013	4,641192667	-0,01620867	0,988827885	Tmem215	
17230227	5,409303	5,302861	5,371375	5,220414	5,572641	5,241891	5,3611797	5,344982	-0,01619767	0,988835425	---	
17544532	4,651172	4,321543	4,689967	4,337603	4,686886	4,589622	4,5542273	4,538037	-0,01619033	0,988840451	---	
17363704	7,231638	7,195525	7,156621	7,237453	7,121859	7,175914	7,1945947	7,178408667	-0,016186	0,988843421	Rfx3	
17416448	6,842664	7,039726	6,197805	6,657104	6,818069	6,556517	6,6933983	6,67723	-0,01616833	0,98885553	Hspb11	
17547879	5,732222	5,952657	6,198363	5,733801	5,933025	6,167918	5,9610807	5,944914667	-0,016166	0,98885713	---	
17265470	5,142592	4,96564	5,140945	5,104973	5,068978	5,026801	5,083059	5,066917333	-0,01614167	0,988873808	6330403K07Rik	
17547569	4,251828	4,252534	4,457874	3,989814	4,411157	4,512928	4,3207453	4,304633	-0,01611233	0,988893915	LOC100861956	
17512175	4,11377	4,074959	4,147736	4,100188	4,069016	4,118945	4,112155	4,096049667	-0,01610533	0,988898713	---	
17337364	5,684679	5,519639	5,782609	5,709545	5,720479	5,508597	5,662309	5,646207	-0,016102	0,988900998	---	
17231341	4,689487	4,349882	4,67983	4,643161	4,566888	4,460855	4,5730663	4,556968	-0,01609833	0,988903511	---	
17252339	3,716433	3,642411	3,5195	3,746624	3,592831	3,490606	3,6261147	3,610020333	-0,01609433	0,988906253	---	
17354493	4,807818	4,560675	4,501218	4,441901	4,6329	4,746636	4,623237	4,607145667	-0,01609133	0,988908309	1700066O22Rik	
17306501	3,875474	3,665102	3,899641	3,722783	3,913562	3,755616	3,8134057	3,797320333	-0,01608533	0,988912422	Ppp1r3e	
17463583	2,854647	2,878724	2,864599	2,841701	2,926095	2,781941	2,86599	2,849912333	-0,01607767	0,988917677	---	
17250519	8,182069	8,186422	8,289215	8,121341	8,212284	8,275875	8,2192353	8,203166667	-0,01606867	0,988923846	Dhrs7b	
17496705	6,271543	6,355875	6,227396	6,302039	6,15113	6,353443	6,284938	6,268870667	-0,01606733	0,98892476	Zfp689	
17318713	6,868929	6,911006	6,850939	6,871615	6,934931	6,776175	6,876958	6,860907	-0,016051	0,988935956	Arhgap39	
17516110	3,15117	3,04596	3,156016	3,054271	3,175162	3,075614	3,1177153	3,101682333	-0,016033	0,988948295	Olfr874	
17285771	2,815422	3,283874	2,9328	2,986138	3,058375	2,939525	3,0106987	2,994679333	-0,01601933	0,988957663	Vmn1r201	
17202185	3,070189	2,726825	3,123178	2,738905	3,353821	2,779487	2,9733973	2,957404333	-0,015993	0,988975715	---	
17386130	4,036547	4,270832	4,20521	4,250829	4,158392	4,055395	4,1708663	4,154872	-0,015991	0,988977086	Xirp2	
17342051	6,951539	6,847947	7,048959	6,779531	7,064548	6,956394	6,9494817	6,933491	-0,01599067	0,988977314	Eme2	
17427284	8,052705	8,06062	7,932741	7,972652	8,085186	7,940367	8,0153553	7,999401667	-0,01595367	0,989002679	Mysm1	
17249994	7,986114	8,071666	8,183546	8,017982	8,094025	8,081491	8,080442	8,064499333	-0,01594267	0,989010219	4930438A08Rik	
17258118	6,172623	5,952758	5,858943	6,089224	5,987354	5,859922	5,9947747	5,978833333	-0,01594133	0,989011133	Rab37	
17454617	8,233178	8,390594	8,394609	8,19978	8,370106	8,400694	8,3394603	8,323526667	-0,01593367	0,989016389	Gna12	
17537351	4,4288	4,423312	4,13647	4,300877	4,273714	4,366213	4,3295273	4,313601333	-0,015926	0,989021645	Pabpc5	
17206321	3,018822	3,244483	2,975892	2,776391	3,255609	3,159449	3,0797323	3,063816333	-0,015916	0,9890285	---	
17288387	9,054434	9,279112	9,163035	9,133641	9,188264	9,126963	9,165527	9,149622667	-0,01590433	0,989036498	Nsun2	
17257473	4,994292	4,713169	4,845181	4,936487	4,812552	4,755945	4,8508807	4,834994667	-0,015886	0,989049067	Kcnh6	
17368130	6,028488	5,690248	6,300173	6,013263	5,885003	6,073025	6,006303	5,990430333	-0,01587267	0,989058208	Lcn5	
17265896	7,823528	7,672052	7,628359	7,454278	7,770038	7,852006	7,7079797	7,692107333	-0,01587233	0,989058436	Srr	
17509361	8,282949	8,296241	8,180568	8,193003	8,248053	8,271107	8,2532527	8,237387667	-0,015865	0,989063464	Neil3	
17334037	4,362455	3,931165	3,721327	3,971805	4,031388	3,964179	4,0049823	3,989124	-0,01585833	0,989068034	Vmn2r113	
17334042	4,362455	3,931165	3,721327	3,971805	4,031388	3,964179	4,0049823	3,989124	-0,01585833	0,989068034	Vmn2r113	
17348076	4,590766	4,30156	4,336021	4,432283	4,414422	4,334154	4,409449	4,393619667	-0,01582933	0,989087916	Gm6225 // Gm6225	
17549578	6,173804	5,991563	6,319804	6,332554	5,881029	6,224133	6,1617237	6,145905333	-0,01581833	0,989095457	---	
17209987	7,276107	7,00407	6,997543	7,073121	7,11868	7,038492	7,0925733	7,076764333	-0,015809	0,989101856	---	
17211731	5,250917	5,251865	5,306969	5,17169	5,526225	5,064425	5,269917	5,254113333	-0,01580367	0,989105513	Prss39	
17251602	5,396986	4,899152	5,273345	5,287945	5,2345	4,999632	5,1898277	5,174025667	-0,015802	0,989106655	---	
17511620	5,554985	5,295273	5,830945	5,412074	5,615941	5,605832	5,560401	5,544615667	-0,01578533	0,989118082	---	
17468525	8,865051	9,002331	8,840322	9,088326	8,900146	8,671913	8,902568	8,886795	-0,015773	0,989126538	---	
17438485	7,047503	6,825029	6,944715	6,660303	7,029606	7,080033	6,9390823	6,923314	-0,01576833	0,989129737	Rest	
17228046	9,563993	9,496376	9,539121	9,356438	9,581166	9,614602	9,5331633	9,517402	-0,01576133	0,989134536	Rnf2	

17223903	11,19479	11,00684	10,97679	11,05272	10,98163	11,09679	11,059473	11,04371333	-0,01576	0,989135451	Acadl	
17308479	12,76604	12,69044	12,81432	12,6684	12,74903	12,8061	12,756933	12,74117667	-0,01575667	0,989137736	---	
17535245	6,223428	6,016336	5,818202	5,9378	6,110109	5,962788	6,019322	6,003565667	-0,01575633	0,989137965	Aff2	
17459449	5,885474	5,482301	5,749461	5,438311	5,956173	5,675552	5,7057453	5,690012	-0,01573333	0,989153734	Foxi3	
17236472	7,226031	7,233594	7,548302	7,52895	7,16539	7,266438	7,3359757	7,320259333	-0,01571633	0,98916539	---	
17378929	6,48099	6,350255	6,497862	6,431647	6,413925	6,436402	6,4430357	6,427324667	-0,015711	0,989169046	Actr5	
17503444	6,304243	5,948739	6,241206	6,053468	6,359312	6,034301	6,1647293	6,149027	-0,01570233	0,989174989	---	
17268882	6,173804	5,846536	5,807333	5,749227	6,104322	5,927032	5,9425577	5,926860333	-0,01569733	0,989178417	Med24	
17377959	5,076487	4,61672	5,042306	4,75541	4,87684	5,056193	4,9118377	4,896147667	-0,01569	0,989183445	4930404H24Rik	
17435439	5,169837	4,678545	4,952662	4,969693	4,906257	4,878024	4,9336813	4,917991333	-0,01569	0,989183445	---	
17415847	4,26885	3,689582	3,940707	4,058496	4,043267	3,750348	3,9663797	3,950703667	-0,015676	0,989193044	---	
17391590	5,189531	5,165851	5,217283	5,207773	5,230057	5,087834	5,1908883	5,175221333	-0,015667	0,989199215	Pdyn	
17500605	4,899443	4,852333	4,824295	4,65946	4,936553	4,933069	4,8586903	4,843027333	-0,015663	0,989201958	6430573F11Rik	
17512337	5,675858	5,606189	5,885532	5,601868	5,885752	5,632972	5,7225263	5,706864	-0,01566233	0,989202415	B3gnt9-ps	
17283595	5,06453	5,043113	5,366842	5,283456	5,164367	4,979681	5,1581617	5,142501333	-0,01566033	0,989203786	Serpina1f	
17277101	5,65486	5,266378	5,915846	5,500297	5,612813	5,676999	5,6123613	5,596703	-0,01565833	0,989205157	Papln	
17481378	5,049466	5,086856	4,933902	5,005009	5,015117	5,003172	5,023408	5,007766	-0,015642	0,989216357	Cckbr	
17331380	6,07387	6,563473	6,116078	6,232966	6,204666	6,268887	6,2511403	6,235506333	-0,015634	0,989221842	Epha3	
17365728	10,63812	10,70187	10,75321	10,81388	10,54883	10,68363	10,697733	10,68211333	-0,01562	0,989231442	Gpam	
17346637	6,516285	6,401284	6,734772	6,492093	6,486387	6,62702	6,5507803	6,535166667	-0,01561367	0,989235784	Efna5	
17486073	6,877618	6,931036	7,074361	6,918808	7,097577	6,819792	6,961005	6,945392333	-0,01561267	0,98923647	Zfp787	
17431672	11,54584	11,47703	11,46256	11,47051	11,52239	11,44571	11,495143	11,47953667	-0,01560667	0,989240584	Cdc42	
17372462	3,767944	3,84819	3,642583	3,685585	3,731013	3,795307	3,7529057	3,737301667	-0,015604	0,989242413	Zfp804a	
17287170	3,498902	3,556377	3,489902	3,526862	3,547982	3,423581	3,5150603	3,499475	-0,01558533	0,989255212	Omd	
17215832	5,781561	5,139716	5,496757	5,398815	5,438497	5,534023	5,472678	5,457111667	-0,01556633	0,989268241	Mir149	
17380446	10,5609	10,71488	10,61298	10,66981	10,54333	10,62893	10,629587	10,61402333	-0,01556333	0,989270298	Gm14430 // Gm14430	
17229742	5,263201	5,632734	5,722259	5,163008	5,743202	5,665332	5,539398	5,523847333	-0,01555067	0,989278983	Klhdc9	
17354325	3,425508	3,425508	3,356107	3,342201	3,620161	3,198109	3,4023743	3,386823667	-0,01555067	0,989278983	---	
17328792	8,069595	7,990582	8,116497	8,132588	7,971394	8,026082	8,0588913	8,043354667	-0,01553667	0,989288584	Dgcr2	
17300893	7,05766	6,943329	6,729878	6,831975	6,872871	6,979436	6,910289	6,894760667	-0,01552833	0,989294298	Ift88	
17443766	7,814451	8,158169	8,048288	8,083153	7,980013	7,911178	8,0069693	7,991448	-0,01552133	0,989299098	Ap4m1	
17239611	6,28313	6,14481	6,322584	6,338618	6,178509	6,186834	6,2501747	6,234653667	-0,015521	0,989299327	Slc35d3	
17528836	8,838599	8,895623	8,76902	8,76548	8,850078	8,841146	8,834414	8,818901333	-0,01551267	0,989305041	Mapk6	
17345971	4,045655	3,988083	3,905418	4,093729	3,87624	3,922682	3,9797187	3,964217	-0,01550167	0,989312584	4921523A10Rik	
17380631	5,693365	5,325052	5,715893	5,840002	5,430269	5,417552	5,5781033	5,562607667	-0,01549567	0,989316699	4930591A17Rik	
17252739	3,790989	3,885265	4,629631	4,70056	3,849723	3,709125	4,1019617	4,086469333	-0,01549233	0,989318984	Olfr402	
17514255	12,5965	12,56383	12,65493	12,5797	12,68036	12,50883	12,605087	12,58963	-0,01545667	0,989343443	---	
17346817	6,00474	6,156945	6,373607	6,174413	6,261985	6,052545	6,1784307	6,162981	-0,01544967	0,989348243	1110012J17Rik	
17532146	5,077945	4,800007	4,865768	4,915196	4,865898	4,916291	4,9145733	4,899128333	-0,015445	0,989351443	---	
17306304	5,360343	4,996239	5,441089	5,13612	5,504205	5,111044	5,2658903	5,250456333	-0,015434	0,989358987	Sall2	
17274340	3,113618	2,955478	3,24275	3,017949	3,291713	2,955918	3,1039487	3,088526667	-0,015422	0,989367216	Gm9229	
17510072	7,188506	7,307931	7,391377	7,188303	7,436873	7,216393	7,295938	7,280523	-0,015415	0,989372017	2810428I15Rik	
17229620	7,259876	7,149142	7,258498	7,017844	7,392527	7,21091	7,2225053	7,207093667	-0,01541167	0,989374303	Fcgr3	
17274083	4,321309	4,368545	4,255651	4,322196	4,564209	4,012875	4,3151683	4,29976	-0,01540833	0,989376588	4930511A02Rik	
17393207	5,649384	5,473629	5,193482	5,696082	5,31283	5,261389	5,4388317	5,423433667	-0,015398	0,989383675	Ahcy	
17276098	5,533229	4,956141	5,456509	5,324183	5,384074	5,19147	5,315293	5,299909	-0,015384	0,989393276	Tomm20l	
17265030	6,662338	6,604862	6,671712	6,673306	6,643906	6,57558	6,646304	6,630930667	-0,01537333	0,989400591	Acap1	
17449274	3,57699	3,598339	3,642747	3,462188	3,763814	3,545956	3,6060253	3,590652667	-0,01537267	0,989401048	Tmprss11f	
17401768	7,829532	7,723588	7,876245	7,810026	7,818681	7,754549	7,8097883	7,794418667	-0,01536967	0,989403106	Clcc1	
17255614	4,51556	4,803598	4,423613	4,572928	4,533981	4,58983	4,5809237	4,565579667	-0,015344	0,989420708	Hoxb2	
17320143	7,926754	7,719769	7,539112	7,690664	7,700206	7,748735	7,728545	7,713201667	-0,01534333	0,989421165	Cerk	
17229382	4,428349	4,001455	4,198798	4,073849	4,263449	4,245278	4,209534	4,194192	-0,015342	0,98942208	Gm16701	
17550665	6,881787	6,846643	7,07803	6,835574	7,056569	6,868297	6,9354867	6,920146667	-0,01534	0,989423451	---	
17317207	9,164865	9,429104	9,383565	9,242809	9,271367	9,417342	9,3258447	9,310506	-0,01533867	0,989424366	---	
17510264	7,080835	7,081602	7,366401	7,061213	7,315628	7,105985	7,1762793	7,160942	-0,01533733	0,98942528	Haus8	
17318176	6,200658	5,86477	6,370885	5,960355	6,16518	6,264794	6,1454377	6,130109667	-0,015328	0,989431681	Gsdmd // Gsdmd	
17421392	5,085633	5,770652	4,779084	5,212817	5,03443	5,342173	5,2117897	5,196473333	-0,01531633	0,989439683	---	
17332566	3,570113	3,164865	3,152281	3,223881	3,441026	3,176425	3,295753	3,280444	-0,015309	0,989444712	---	
17223200	10,61426	10,55798	10,54212	10,53315	10,66536	10,46996	10,571453	10,55615667	-0,01529667	0,989453171	Sf3b1	
17293897	6,223458	5,834119	6,12694	6,051181	6,131076	5,95637	6,0615057	6,046209	-0,01529667	0,989453171	Zfp712 // Zfp712	
17282570	5,856277	5,983036	5,873909	5,82805	5,962472	5,876834	5,9044073	5,889118667	-0,01528867	0,989458657	Ltbp2	
17355441	10,80892	11,12117	11,03795	11,04171	11,05873	10,82174	10,989347	10,97406	-0,01528667	0,989460029	---	
17222064	4,667098	4,406904	4,546533	4,713348	4,511736	4,349616	4,5401783	4,5249	-0,01527833	0,989465744	---	
17433543	5,591386	5,840956	5,838573	5,618153	5,914378	5,692565	5,7569717	5,741698667	-0,015273	0,989469402	Dffb	
17288035	6,677761	6,741298	6,109176	6,238917	6,498377	6,745173	6,5094117	6,494155667	-0,015256	0,989481062	2810408B13Rik // 2810408B13Rik	
17302035	4,706474	4,781376	4,804371	4,743102	4,70178	4,801607	4,7640737	4,748829667	-0,015244	0,989489292	4930564B18Rik	
17377666	7,0628	7,033904	6,890033	6,951219	6,983124	7,006668	6,995579	6,980337	-0,015242	0,989490664	Srxn1	
17516137	3,327304	2,939402	3,34663	3,296157	3,131024	3,140468	3,2044453	3,189216333	-0,015229	0,98949958	Olfr888	
17228705	5,469468	5,751109	5,452352	5,460398	5,524644	5,642205	5,557643	5,542415667	-0,01522733	0,989500723	4930523C07Rik // 4930523C07Rik	
17243198	7,626393	7,661139	7,871568	7,718283	7,715557	7,679585	7,7197	7,704475	-0,015225	0,989502323	Pias4	
17409217	9,900582	9,982906	9,993503	9,884044	10,04686	9,900433	9,958997	9,943779	-0,015218	0,989507125	Gnai3	
17549446	5,330458	5,428892	5,232772	5,288227	5,332287	5,326026	5,3307073	5,315513333	-0,015194	0,989523586	---	
17549834	5,330458	5,428892	5,232772	5,288227	5,332287	5,326026	5,3307073	5,315513333	-0,015194	0,989523586	---	
17357054	9,465338	9,398912	9,335435	9,370876	9,410583	9,372685	9,399895	9,384714667	-0,01518033	0,989532959	Atl3	
17257057	10,5213	10,55291	10,50954	10,4545	10,50173	10,582	10,527917	10,51274333	-0,01517333	0,989537761	---	
17319265	5,116302	4,950448	5,019784	5,031765	5,026613	4,982644	5,0288447	5,013674	-0,01517067	0,98953959	4933432B09Rik	
17361764	7,504136	7,652321	7,638591	7,590622	7,65227	7,506645	7,5983493	7,583179	-0,01517033	0,989539818	Fam89b	
17493583	8,731904	8,742977	8,519251	8,667676	8,528466	8,75252	8,6647107	8,649554	-0,01515667	0,989549192	2210018M11Rik	
17206289	5,840049	5,94322	5,942675	6,015468	5,525809	6,139219	5,908648	5,893498667	-0,01514933	0,989554222	---	
17299265	4,234784	4,09011	3,723897	4,057143	3,906556	4,039675	4,0162637	4,001124667	-0,015139	0,98956131	E130120K24Rik	
17207459	3,460271	4,153625	3,452245	3,385738	4,169059	3,465951	3,6887137	3,673582667	-0,015131	0,989566797	---	
17537530	3,862519	3,733778	4,306808	3,886081	3,955553	4,01609	3,9677017	3,952574667	-0,015127	0,989569541	---	
17265096	6,437999	6,944859	6,881471	6,512622	6,808788	6,89755	6,7547763	6,739653333	-0,015123	0,989572285	Slc2a4	
17387267	4,587503	4,720925	4,795777	4,683218	4,704165	4,671477	4,7014017	4,686286667	-0,015115	0,989577772	Neurod1	
17218820	5,599842	5,76633	5,468928	5,592974	5,681042	5,515797	5,6117	5,596604333	-0,01509567	0,989591033	Sele	
17331987	8,701793	8,753808	8,607279	8,608098	8,72123	8,688287	8,6876267	8,672538333	-0,01508833	0,989596064	2610039C10Rik	
17216280	4,743241	4,71239	5,018897	4,756826	4,805997	4,866446	4,8248427	4,809756333	-0,01508633	0,989597435	Cdh20	
17208129	2,863422	3,577917	3,186801	3,407183	2,854431	3,32131	3,20938	3,194308	-0,015072	0,989607267	---	
17333133	6,137421	6,164245	6,172262	6,061655	6,329747	6,037336	6,157976	6,142912667	-0,01506333	0,989613212	Pde10a	
17379713	4,002187	4,182613	4,113679	4,011703	4,274872	3,966784	4,099493	4,084453	-0,01504	0,989629218	BC046401	
17285074	10,98354	11,01151	10,91473	10,87278	10,96399	11,02789	10,969927	10,95488667	-0,01504	0,989629218	Larp4b	
17379884	5,660001	5,329226	5,4253	5,564223	5,403175	5,402036	5,471509	5,456478	-0,015031	0,989635391	---	
17427014	4,442243	4,440929	4,791959	4,586041	4,453314	4,59069	4,558377	4,543348333	-0,01502867	0,989636992	Slc24a2	
17299748	3,150082	3,057348	2,931657	2,953451	3,201031	2,939525	3,0463623	3,031335667	-0,01502667	0,989638364	---	
17314729	8,01056	8,152251	8,067719	8,060537	8,022797	8,102119	8,0768433	8,061817667	-0,01502567	0,98963905	Dnajc22	
17360166	7,10295	7,109683	6,985236	6,84913	7,298375	7,005296	7,0659563	7,050933667	-0,01502267	0,989641108	Neurl1a	
17447289	7,609934	8,071962	7,818419	7,699625	7,864881	7,890816	7,8334383	7,818440667	-0,01499767	0,989658257	Nop14	
17316876	2,901753	3,019278	2,773545	3,015513	2,813036	2,821069	2,898192	2,883206	-0,014986	0,98966626	---	
17290890	4,926535	4,056231	4,462707	4,732097	4,098647	4,569822	4,4818243	4,466855333	-0,014969	0,989677922	A530099J19Rik	
17550667	7,442213	7,411717	7,684898	7,400174	7,646113	7,447635	7,5129427	7,497974	-0,01496867	0,989678151	---	
17508516	5,747724	5,44819	5,9097	5,479696	5,826206	5,754954	5,7018713	5,686952	-0,01491933	0,989711993	Brf2	
17257561	8,467695	9,071505	8,665413	8,6493	8,759206	8,75137	8,734871	8,719958667	-0,01491233	0,989716796	---	
17455175	9,502449	9,137381	8,988365	8,986262	9,270733	9,326464	9,2093983	9,194486333	-0,014912	0,989717024	Cyp3a11	
17481157	3,683755	3,285647	3,473504	3,551203	3,39426	3,45272	3,4809687	3,466061	-0,01490767	0,989719997	Olfr570	
17284652	3,127027	2,924377	3,048111	3,355809	2,867692	2,831293	3,0331717	3,018264667	-0,014907	0,989720454	---	
17218423	6,350816	6,105465	6,448151	6,098905	6,451664	6,309243	6,3014773	6,286604	-0,01487333	0,989743551	Rpl35	
17533332	3,624444	3,456748	3,80339	3,539046	3,615776	3,685149	3,628194	3,613323667	-0,01487033	0,989745609	Gm4906	
17212114	7,046585	7,072891	7,257854	7,02973	7,149115	7,153892	7,1257767	7,110912333	-0,01486433	0,989749725	Rpl31	
17297865	4,852181	4,625036	4,995331	4,716817	4,717219	4,993924	4,8241827	4,80932	-0,01486267	0,989750869	4933413J09Rik	
17510628	3,92433	4,168312	4,109948	4,092735	4,028024	4,037249	4,06753	4,052669333	-0,01486067	0,989752241	Nr3c2	
17462958	7,928159	8,177705	8,093465	8,181307	8,029566	7,943927	8,066443	8,0516	-0,014843	0,989764361	Cdca3	
17484952	7,719349	7,755491	7,684584	7,717288	7,704502	7,693179	7,719808	7,704989667	-0,01481833	0,989781284	Tspan4	
17490839	8,193667	8,205506	8,245745	8,081712	8,312323	8,206488	8,2149727	8,200174333	-0,01479833	0,989795005	Bax	
17493415	5,647031	5,45223	5,480757	5,491972	5,515854	5,527843	5,5266727	5,511889667	-0,014783	0,989805525	Usp35	
17419731	6,019508	6,07028	5,961186	6,212488	5,97019	5,823949	6,0169913	6,002209	-0,01478233	0,989805982	Trim63	
17229974	3,330467	3,403105	3,444693	3,466274	3,352608	3,315089	3,392755	3,377990333	-0,01476467	0,989818103	Fcer1a	
17378548	6,529656	6,77414	6,576001	6,484637	6,734138	6,616729	6,626599	6,611834667	-0,01476433	0,989818332	Phf20	
17327426	4,452639	4,380477	4,329665	4,208861	4,46383	4,44584	4,3875937	4,372843667	-0,01475	0,989828166	---	
17406358	6,171595	6,08643	6,160652	6,056406	6,120564	6,197468	6,139559	6,124812667	-0,01474633	0,989830681	4930565D16Rik	
17252737	4,906782	4,447487	4,580497	4,724127	4,512499	4,653953	4,644922	4,630193	-0,014729	0,989842574	Olfr401	
17492870	4,657195	4,732821	4,618827	4,75998	4,651443	4,553273	4,6696143	4,654898667	-0,01471567	0,989851722	Bnc1	
17236155	8,420886	8,507684	8,350974	8,393385	8,543692	8,298324	8,4265147	8,411800333	-0,01471433	0,989852637	Fbxo7	
17532607	13,75078	13,78558	13,73334	13,6868	13,74489	13,79387	13,756567	13,74185333	-0,01471333	0,989853323	---	
17390580	5,620738	5,311889	5,387748	5,63213	5,295841	5,348272	5,440125	5,425414333	-0,01471067	0,989855153	Eil3	
17340404	4,902623	4,986304	4,738196	4,938798	4,743177	4,901018	4,8757077	4,860997667	-0,01471	0,98985561	Adcyap1	
17536420	4,013864	3,948774	3,802194	4,051478	3,803374	3,8659	3,9216107	3,906917333	-0,01469333	0,989867045	Gpr165	
17470235	6,276785	6,169487	6,156233	6,33163	6,079895	6,14691	6,200835	6,186145	-0,01469	0,989869332	Cacna1c	
17327991	7,10873	7,038332	7,204047	7,215817	7,105448	6,985799	7,1170363	7,102354667	-0,01468167	0,98987505	Tmem186 // Tmem186	
17235890	7,274776	7,580421	7,219555	7,383919	7,274792	7,37202	7,3582507	7,343577	-0,01467367	0,989880539	Hcfc2	
17266259	6,370451	6,217324	6,44141	6,139852	6,462593	6,382743	6,3430617	6,328396	-0,01466567	0,989886028	Abhd15 // Abhd15	
17286403	4,151345	4,389594	4,157865	3,768396	4,354136	4,532299	4,2329347	4,218277	-0,01465767	0,989891517	Serpinb9e	
17222968	6,683397	6,802891	6,543261	6,520592	6,790439	6,674564	6,6765163	6,661865	-0,01465133	0,989895863	Pms1	
17360444	5,379645	5,348377	5,374224	5,307299	5,34468	5,40634	5,3674153	5,352773	-0,01464233	0,989902038	Tectb	
17520665	3,379324	3,745652	3,711561	3,984795	3,20953	3,598292	3,612179	3,597539	-0,01464	0,989903639	Gm6406	

17229403	9,204571	9,153739	9,48163	9,15622	9,368261	9,271591	9,27998	9,265357333	-0,01462267	0,989915533	Mgst3	
17496310	7,514297	7,504879	7,281755	7,505273	7,41888	7,332916	7,4336437	7,419023	-0,01462067	0,989916905	Cln3	
17308442	5,768347	5,994944	5,733061	5,780064	5,755295	5,917156	5,8321173	5,817505	-0,01461233	0,989922623	Npm2	
17265186	8,887025	8,969509	9,113166	9,069185	8,924527	8,932172	8,9899	8,975294667	-0,01460533	0,989927426	Rnasek	
17393789	9,358507	9,509965	9,218977	9,243042	9,443069	9,357533	9,362483	9,347881333	-0,01460167	0,989929942	Tgm2	
17303593	4,55157	4,222406	4,168873	4,377008	4,383007	4,139041	4,314283	4,299685333	-0,01459767	0,989932687	Lrrc3b	
17413567	4,899796	5,119883	5,243979	4,936012	5,194946	5,088952	5,087886	5,073303333	-0,01458267	0,989942979	---	
17280638	4,072147	3,499025	3,906268	3,855388	3,805053	3,773263	3,8258133	3,811234667	-0,01457867	0,989945724	---	
17545917	4,720603	4,647242	4,586658	4,527236	4,428251	4,955321	4,651501	4,636936	-0,014565	0,989955102	1700045I19Rik	
17331848	4,168242	3,571243	3,843997	4,086057	3,73757	3,716181	3,8611607	3,846602667	-0,014558	0,989959905	2310061N02Rik	
17508369	5,384486	5,111052	5,302516	5,242606	5,294186	5,21761	5,266018	5,251467333	-0,01455067	0,989964937	5430421F17Rik	
17395057	6,075805	6,015886	5,846634	5,791603	5,947949	6,155148	5,9794417	5,9649	-0,01454167	0,989971113	Rbm38 // Rbm38	
17533994	8,092694	8,056214	7,9636	7,952502	8,089061	8,027321	8,0375027	8,022961333	-0,01454133	0,989971342	Dock11	
17365960	8,447392	8,496575	8,392	8,360491	8,54685	8,385007	8,4453223	8,430782667	-0,01453967	0,989972485	Gfra1	
17499038	7,253038	7,413226	7,359544	7,204443	7,432377	7,345406	7,341936	7,327408667	-0,01452733	0,989980948	Arhgef7	
17399302	9,04432	9,06784	8,935182	8,960218	8,983872	9,059698	9,0157807	9,001262667	-0,014518	0,989987353	Scamp3	
17430894	6,013485	6,089549	6,289382	6,143802	6,237462	5,967646	6,1308053	6,116303333	-0,014502	0,989998332	Smpdl3b	
17380011	6,294372	6,059064	6,247722	6,204272	6,165203	6,188294	6,200386	6,185923	-0,014463	0,990025095	---	
17248406	5,496949	5,128809	5,358194	5,230265	5,277454	5,432873	5,327984	5,313530667	-0,01445333	0,990031729	---	
17388733	7,392816	7,403917	7,346321	7,32669	7,439711	7,333317	7,381018	7,366572667	-0,01444533	0,990037219	Cd44	
17380004	5,028248	5,495841	5,518583	5,435638	5,437703	5,126027	5,3475573	5,333122667	-0,01443467	0,990044538	9430093N23Rik	
17333842	4,960602	5,003938	4,777029	4,965977	5,020384	4,711912	4,9138563	4,899424333	-0,014432	0,990046368	Vmn1r225	
17525177	8,849447	8,875821	8,701202	8,761785	8,812028	8,809385	8,8088233	8,794399333	-0,014424	0,990051858	Vps26b	
17357538	9,989425	9,994619	10,1352	9,923608	10,14999	10,00238	10,039748	10,025326	-0,014422	0,990053231	---	
17498744	4,812538	4,852637	4,831403	4,803488	4,819017	4,83083	4,8321927	4,817778333	-0,01441433	0,990058492	---	
17430835	7,262144	7,322157	7,233343	7,297152	7,237561	7,2397	7,272548	7,258137667	-0,01441033	0,990061237	Phactr4	
17484407	12,47152	12,58241	12,46014	12,42152	12,49293	12,55644	12,50469	12,49029667	-0,01439333	0,990072904	---	
17550627	11,92474	11,94925	11,8535	11,85148	11,99137	11,84149	11,909163	11,89478	-0,01438333	0,990079766	---	
17280689	5,748569	5,84607	5,645136	5,610217	5,808958	5,777463	5,7465917	5,732212667	-0,014379	0,99008274	Hdac9	
17331962	8,335944	8,425924	8,234125	8,314601	8,168562	8,469754	8,3319977	8,317639	-0,01435867	0,990096695	Scaf4	
17421540	4,876169	4,724428	4,963827	5,13933	4,723916	4,658107	4,854808	4,840451	-0,014357	0,990097838	Nppb	
17244378	11,13612	11,2061	11,16098	11,12479	11,13234	11,20304	11,167733	11,15339	-0,01434333	0,990107218	Metap2	
17389505	5,177223	5,018123	5,190368	5,022795	5,17986	5,140042	5,1285713	5,114232333	-0,014339	0,990110192	Gjd2	
17399460	7,334914	7,001705	7,289877	7,193896	7,397761	6,99183	7,208832	7,194495667	-0,01433633	0,990112022	Pbxip1	
17431022	5,089632	4,573354	4,744283	4,641179	4,747613	4,97552	4,802423	4,788104	-0,014319	0,99023918	---	
17446817	5,986963	5,633279	5,938243	5,870251	5,893966	5,751334	5,8528283	5,838517	-0,01431133	0,990129179	Slc30a3	
17273559	4,43208	4,42099	4,408805	4,411004	4,510847	4,29717	4,420625	4,406340333	-0,01428467	0,990147481	---	
17429546	10,18024	10,21942	10,07493	10,10559	10,25189	10,07431	10,158197	10,14393	-0,01426667	0,990159835	Zmpste24	
17407516	3,464146	3,347655	3,349409	3,546316	3,219519	3,352592	3,38707	3,372809	-0,014261	0,990163724	---	
17222716	3,067	3,285847	3,499549	3,1438	3,588381	3,077504	3,284132	3,269895	-0,014237	0,990180196	4930521E06Rik	
17414545	9,662004	9,883232	9,580637	9,637749	9,751432	9,693998	9,7086243	9,694393	-0,01423133	0,990184085	Slc31a1	
17233993	5,142925	5,197249	5,222975	5,134993	5,272117	5,113347	5,1877163	5,173485667	-0,01423067	0,990184543	Egr2	
17496501	5,10589	5,141199	4,873644	5,045939	4,961902	5,070204	5,0402443	5,026015	-0,01422933	0,990185458	D830044I16Rik	
17551071	9,058092	8,912457	8,757653	8,914593	8,824947	8,945991	8,9094007	8,895177	-0,01422367	0,990189347	---	
17346427	8,722245	8,735225	8,935687	8,734983	8,745546	8,869967	8,797719	8,783498667	-0,01422033	0,990191635	Khsrp	
17209765	4,896829	5,352007	4,550783	4,996103	4,304869	5,455996	4,9332063	4,918989333	-0,014217	0,990193923	---	
17490024	7,20688	6,591617	7,054768	7,077029	6,883364	6,850244	6,9510883	6,936879	-0,01420933	0,990199185	Vmn2r58	
17490859	8,29431	8,172269	8,260469	8,292107	8,223405	8,168914	8,2423493	8,228142	-0,01420733	0,990200557	Nucb1	
17505326	3,230744	3,291277	3,447666	3,229778	3,418947	3,278381	3,323229	3,309035333	-0,01419367	0,990209938	Mir3108	
17457550	4,841299	4,906304	5,080214	4,81474	5,042915	4,927587	4,9426057	4,928414	-0,01419167	0,99021131	Gm5567	
17274021	6,546131	6,797682	7,071227	6,903111	6,54812	6,921284	6,8050133	6,790838333	-0,014175	0,99022275	Osr1	
17266581	5,037657	4,988865	5,043305	5,241133	4,96959	4,816586	5,0232757	5,009103	-0,01417267	0,990224351	AU040972	
17429383	5,253213	4,829899	5,136073	5,152831	4,991211	5,032626	5,0730617	5,058889333	-0,01417233	0,99022458	Ccdc30	
17438882	5,527462	5,50904	5,58468	5,559556	5,531497	5,487667	5,540394	5,52624	-0,014154	0,990237164	Gm9958	
17316134	3,582331	3,664896	3,700805	3,617045	3,662075	3,626491	3,649344	3,635203667	-0,01414033	0,990246544	---	
17344124	13,53389	13,51536	13,70437	13,6747	13,57325	13,46326	13,58454	13,57040333	-0,01413667	0,990249061	---	
17508704	4,39864	4,293319	4,135927	4,218249	4,243196	4,324063	4,275962	4,261836	-0,014126	0,990256383	---	
17248561	4,664574	4,091959	4,042518	4,312601	4,196243	4,247892	4,2663503	4,252245333	-0,014105	0,990270797	Atp10b	
17229096	5,222482	5,343979	5,501395	5,255258	5,48245	5,287869	5,355952	5,341859	-0,014093	0,990279034	Prrx1	
17262124	5,066964	5,224745	5,204597	4,902761	5,454242	5,097072	5,1654353	5,151358333	-0,014077	0,990290016	Med7 // Med7	
17458422	2,782392	2,958114	2,796768	2,853688	2,822308	2,819118	2,845758	2,831704667	-0,01405333	0,990306262	---	
17303386	8,220056	8,289452	8,043324	8,33836	7,945917	8,22641	8,1842773	8,170229	-0,01404833	0,990309694	Dnase1l3	
17388128	6,505891	6,34278	6,52634	6,30818	6,490283	6,534417	6,458337	6,444293333	-0,01404367	0,990312897	Madd	
17489240	9,126139	9,053817	8,963653	9,247955	8,949025	8,904509	9,0478697	9,033829667	-0,01404	0,990315414	---	
17457589	6,782186	6,829306	6,912024	6,990749	6,825591	6,665085	6,841172	6,827141667	-0,01403033	0,99032205	Ssbp1	
17219677	3,542162	3,469584	3,597238	3,308049	3,600983	3,657912	3,536328	3,522314667	-0,01401333	0,990333719	Olfr433	
17272437	6,944261	7,049341	7,06264	7,015236	7,02426	6,974733	7,0187473	7,004743	-0,01400433	0,990339897	Rhbdf2	
17379887	8,421485	7,043148	8,402509	8,060764	7,845797	7,91867	7,955714	7,941743667	-0,01397033	0,990363237	---	
17436545	5,551582	5,533766	5,345885	5,670215	5,22168	5,497458	5,4770777	5,463117667	-0,01396	0,99037033	Nat8l	
17288057	8,869104	8,950058	8,815453	8,8472	8,852097	8,893484	8,878205	8,864260333	-0,01394467	0,990380856	---	
17293515	8,869104	8,950058	8,815453	8,8472	8,852097	8,893484	8,878205	8,864260333	-0,01394467	0,990380856	---	
17316163	4,656848	4,482617	4,672159	4,420532	4,657831	4,691483	4,6038747	4,589948667	-0,013926	0,990393671	Gm2824	
17550659	4,476775	4,471452	4,65497	4,410649	4,651632	4,499153	4,534399	4,520478	-0,013921	0,990397103	---	
17511834	6,730952	6,777488	6,667192	6,634958	6,761847	6,737088	6,7252107	6,711297667	-0,013913	0,990402595	Bbs2	
17537015	5,057992	5,005998	4,961262	5,09056	5,03722	4,855791	5,0084173	4,994523667	-0,01389367	0,990415867	1700121L16Rik	
17532617	13,51036	13,59239	13,5481	13,49082	13,52427	13,59409	13,550283	13,53639333	-0,01389	0,990418385	---	
17468690	11,67936	11,64417	11,59984	11,57307	11,65571	11,65297	11,641123	11,62725	-0,01387333	0,990429827	Cnbp	
17379106	4,819899	4,889608	4,983269	4,620695	5,235465	4,795022	4,897592	4,883727333	-0,01386467	0,990435776	Gm14243	
17494803	3,292609	3,062466	2,924181	2,876138	3,097638	3,263899	3,0930853	3,079225	-0,01386033	0,990438751	Olfr502	
17463753	3,953384	4,244051	4,398414	4,244621	4,165023	4,14467	4,1986163	4,184771333	-0,013845	0,990449278	---	
17502499	7,744978	7,768551	7,936842	7,835964	7,735097	7,837777	7,8167903	7,802946	-0,01384433	0,990449736	Sin3b	
17205601	6,647758	5,709256	6,361172	5,978003	6,136675	6,561981	6,2393953	6,225553	-0,01384233	0,990451109	---	
17273447	3,986449	4,002555	3,761226	3,84865	4,058451	3,801651	3,9167433	3,902917333	-0,013826	0,990462322	Sectm1b	
17467197	3,927967	4,24861	4,137573	4,356153	3,900991	4,015542	4,1047167	4,090895333	-0,01382133	0,990465526	Vmn1r27	
17266079	8,394201	8,355397	8,391146	8,333936	8,394199	8,371153	8,380248	8,366429333	-0,01381867	0,990467357	Glod4 // Glod4	
17239465	8,598977	8,195501	8,645609	8,473052	8,251752	8,673906	8,480029	8,466236667	-0,01379233	0,990485436	---	
17286320	8,711506	8,716901	8,769011	8,533074	8,867019	8,755967	8,7324727	8,718686667	-0,013786	0,990489784	Foxq1	
17508353	8,583595	8,633742	8,614925	8,69772	8,503047	8,590155	8,610754	8,596974	-0,01378	0,990493903	Tacc1	
17219461	11,98071	12,03345	12,0149	12,07408	11,75499	12,15868	12,009687	11,99591667	-0,01377	0,990500769	---	
17231358	9,006485	8,845262	8,568038	8,590046	8,742154	9,046312	8,806595	8,792837333	-0,01375767	0,990509236	Iyd	
17548922	4,118416	3,85948	3,821772	3,976574	3,865897	3,915933	3,9332227	3,919468	-0,01375467	0,990511296	Krtap28-13	
17328333	6,764939	6,78842	6,824003	6,778121	6,792431	6,765555	6,792454	6,778702333	-0,01375167	0,990513356	---	
17399783	5,954302	6,045871	5,994401	6,012224	6,049811	5,891286	5,9981913	5,984440333	-0,013751	0,990513814	S100a16	
17210507	5,299463	5,038076	5,200884	4,681007	4,876215	5,93995	5,1794743	5,165724	-0,01375033	0,990514271	---	
17205071	4,377039	4,286374	4,262387	4,72025	3,838442	4,325863	4,3086	4,294851667	-0,01374833	0,990515644	---	
17209261	4,377039	4,286374	4,262387	4,72025	3,838442	4,325863	4,3086	4,294851667	-0,01374833	0,990515644	---	
17534258	5,541912	5,121909	4,997526	5,394088	5,017217	5,208805	5,220449	5,206703333	-0,01374567	0,990517475	Rhox2e	
17393738	6,423317	6,499469	6,665211	6,515416	6,575814	6,455579	6,5293323	6,515603	-0,01372933	0,990528689	LOC100861927	
17218752	4,76936	4,956385	4,744204	4,769322	4,88357	4,775954	4,8233163	4,809615333	-0,013701	0,990548143	Myoc	
17421960	3,409672	3,391049	3,393883	3,371487	3,430936	3,351089	3,3982013	3,384504	-0,01369733	0,99055066	---	
17281079	3,548679	3,477519	3,222942	3,500633	3,499334	3,208083	3,41638	3,402683333	-0,01369667	0,990551118	---	
17320225	5,072863	5,090001	5,2642	5,037045	5,173882	5,17509	5,1423547	5,128672333	-0,01368233	0,990560959	Mlc1	
17305439	4,411475	4,288747	4,199144	4,580539	4,198811	4,078994	4,2997887	4,286114667	-0,013674	0,990566681	---	
17507894	3,410103	3,253268	3,708029	3,576642	3,36425	3,389507	3,4571333	3,443466333	-0,013667	0,990571487	AY761185	
17359156	8,238272	8,318552	8,25902	8,357153	8,387323	8,030376	8,271948	8,258284	-0,013664	0,990573547	Tmem20	
17274186	8,945508	8,660073	8,759134	8,962367	8,605131	8,756234	8,7882383	8,774577333	-0,013661	0,990575607	---	
17469636	8,959288	8,969689	8,865373	8,929322	8,888448	8,935598	8,93145	8,917789333	-0,01366067	0,990575836	Rad18	
17400570	4,135448	4,222356	4,411218	4,219319	4,197325	4,31143	4,2563407	4,242691333	-0,01364933	0,990583618	Gm17580	
17407116	8,009655	8,099071	8,269734	7,96577	8,202509	8,169236	8,1261533	8,112505	-0,01364833	0,990584304	Cks1b	
17361285	5,100959	5,308462	5,503294	5,131009	5,237916	5,502866	5,3042383	5,290597	-0,01364133	0,99058911	Syt12	
17335932	6,362896	6,315635	6,51578	6,414067	6,312046	6,42733	6,3981037	6,384481	-0,01362267	0,990601928	Rasal3 // Rasal3	
17534206	5,767628	5,322312	5,265862	5,578499	5,236175	5,50026	5,451934	5,438311333	-0,01362267	0,990601928	Rhox4g // Rhox4g	
17346618	8,902288	8,838069	8,761514	9,049764	8,373434	9,037807	8,833957	8,820335	-0,013622	0,990602385	Nudt12	
17259550	4,399175	4,184687	4,178063	4,151265	4,472191	4,097616	4,253975	4,240357333	-0,01361767	0,990605361	---	
17258638	10,3969	10,65741	10,51625	10,47676	10,54707	10,50592	10,52352	10,50991667	-0,01360333	0,990615203	Snord1c	
17516143	4,648625	4,11898	3,709017	3,855342	4,399304	4,181205	4,158874	4,145283667	-0,01359033	0,990624129	Olfr893	
17224211	7,932732	7,922709	7,918315	7,949482	7,77943	8,004079	7,9245853	7,910997	-0,01358833	0,990625502	Tns1	
17212286	4,162597	4,08876	4,264825	4,243126	3,928418	4,303915	4,1720607	4,158486333	-0,01357433	0,990635115	Slc9a2	
17547587	6,068819	5,641404	5,795058	5,680336	5,755194	6,029149	5,8350937	5,821559667	-0,013534	0,990662811	Dcakd // Dcakd	
17545699	6,26079	6,349511	6,264055	6,301165	6,204344	6,328268	6,291452	6,277925667	-0,01352633	0,990668075	Yy2	
17347493	9,539536	9,47421	9,361078	9,428607	9,349339	9,556302	9,4582747	9,444749333	-0,01352533	0,990668762	Srsf7	
17243361	8,091672	8,186003	8,282735	8,047283	8,303181	8,169396	8,1868033	8,173286667	-0,01351667	0,990674713	Ncln	
17303722	7,104906	6,891289	6,898579	6,980733	6,74289	7,130652	6,9649247	6,951425	-0,01349967	0,990686387	Kcnk5	
17550532	13,6367	13,68663	13,61123	13,59807	13,60782	13,68821	13,644853	13,63136667	-0,01348667	0,990695314	---	
17323909	8,046923	7,967154	7,932473	7,964485	7,900395	8,041221	7,9821833	7,968700333	-0,013483	0,990697832	Dvl3	
17368171	7,544894	7,313424	7,392027	7,208114	7,54514	7,456648	7,4167817	7,403300667	-0,013481	0,990699205	Bmyc	
17512458	10,57304	10,34153	10,36999	10,42943	10,48178	10,33298	10,428187	10,41473	-0,01345667	0,990715915	---	
17374156	3,966698	3,917006	4,224452	4,222044	3,922989	3,922755	4,036052	4,022596	-0,013456	0,990716373	Muc15	
17206939	5,069869	4,228477	4,477747	5,172085	4,71126	3,852391	4,592031	4,578578667	-0,01345233	0,990718891	---	
17308786	4,005333	3,95015	4,148017	3,967459	4,136343	3,959361	4,0345	4,021054333	-0,01344567	0,990723469	Gm6994	
17294723	5,354975	4,761562	4,954445	4,892538	5,13328	5,004832	5,0236607	5,010216667	-0,013444	0,990724614	Cox7c	
17520588	12,25957	12,25618	12,32526	12,30188	12,24514	12,25366	12,280337	12,26689333	-0,01344333	0,990725071	Ppia // Ppia	
17318750	8,139156	8,252712	8,378246	8,253839	8,297195	8,178804	8,2567047	8,243279333	-0,01342533	0,990737432	Rbfox2	
17310837	6,195867	6,093435	6,269232	6,331385	6,066777	6,120123	6,186178	6,172761667	-0,01341633	0,990743613	Sema5a	

17514146	6,163425	6,060234	6,019151	6,129892	5,817782	6,254889	6,0809367	6,067521	-0,01341567	0,990744071	Sipa1l2
17218303	3,157319	3,117447	3,273293	3,310299	3,217909	2,979626	3,1826863	3,169278	-0,01340833	0,990749107	---
17425836	11,03863	11,0376	11,09101	10,98906	11,10608	11,03191	11,055747	11,04235	-0,01339667	0,990757119	Rod1
17208311	6,494873	6,296262	6,336043	6,285836	6,49343	6,30774	6,375726	6,362335333	-0,01339067	0,990761239	---
17417985	5,37347	5,614575	5,781906	5,59301	5,669654	5,467115	5,5899837	5,576593	-0,01339067	0,990761239	---
17392121	2,93413	2,963554	3,059138	2,854	3,058814	3,003842	2,9856073	2,972218667	-0,01338867	0,990762613	---
17293237	8,477171	8,403259	8,573369	8,456035	8,527031	8,430687	8,4845997	8,471251	-0,01334867	0,990790083	Golm1
17286171	3,725104	3,688635	3,688635	3,66726	3,791855	3,60323	3,7007913	3,687448333	-0,013343	0,990793975	Prl6a1
17339041	5,420253	5,213621	5,217168	5,362482	5,258251	5,19031	5,2836807	5,270347667	-0,013333	0,990800842	Cntnap5c
17376153	4,135009	3,97171	4,112524	4,141993	3,930067	4,107215	4,073081	4,059758333	-0,01332267	0,990807939	Gm14023
17284808	4,498744	4,564126	4,512076	4,520197	4,518131	4,496677	4,524982	4,511668333	-0,01331367	0,99081412	Abcb5
17463398	5,141468	4,892015	5,190802	4,977301	4,97858	5,228477	5,0747617	5,061452667	-0,013309	0,990817325	5930416I19Rik
17321921	3,361449	3,39619	3,606586	3,523162	3,484824	3,316343	3,4547417	3,441443	-0,01329867	0,990824422	Gm5414
17508568	6,457511	6,456601	6,665902	6,433249	6,561007	6,545909	6,5266713	6,513388333	-0,013283	0,990835181	Gm8096 // Gm8096 // Gm8096 // Gm80
17472737	4,213506	3,789422	3,834805	3,751021	4,16165	3,885243	3,945911	3,932638	-0,013273	0,990842049	Ifltd1
17233226	9,972079	10,11226	10,02769	10,00333	10,1664	9,90249	10,037343	10,02407333	-0,01326967	0,990844339	Lilrb4
17421511	7,61971	7,447575	7,263983	7,310596	7,603616	7,37727	7,443756	7,430494	-0,013262	0,990849604	Zfp600 // Zfp600
17323079	5,419579	7,340004	6,719889	6,358544	6,692334	6,388839	6,4931573	6,479905667	-0,01325167	0,990856701	---
17520775	9,084528	9,15218	9,191153	9,094139	9,197321	9,096655	9,1426203	9,129371667	-0,01324867	0,990858762	Stag1
17426890	9,294659	9,330861	9,264087	9,250951	9,263937	9,334983	9,2965357	9,283290333	-0,01324533	0,990861051	Psip1
17397208	6,214071	6,247721	5,977272	6,096811	6,161769	6,140776	6,1463547	6,133118667	-0,013236	0,990867461	Intu
17464404	7,872293	7,772171	7,655312	7,745951	7,735248	7,778948	7,766592	7,753382333	-0,01320967	0,990885548	Mrps35
17494828	4,564172	4,301484	5,021036	4,455441	4,701331	4,690335	4,6288973	4,615702333	-0,013195	0,990895621	BC049265 // BC049265
17344917	4,045333	3,811231	4,206652	3,949406	4,228745	3,845491	4,021072	4,007880667	-0,01319133	0,990898139	Olfr131
17327514	4,693878	4,829553	4,794142	4,622962	4,960002	4,69511	4,7725243	4,759358	-0,01316633	0,990915311	B3galt5
17288874	2,867477	2,937367	2,964563	2,986824	2,907831	2,835269	2,9231357	2,909974667	-0,013161	0,990918974	---
17201495	5,071749	5,024251	5,182088	5,010367	5,001258	5,226981	5,092696	5,079535333	-0,01316067	0,99091903	---
17241600	4,195538	4,471813	4,309408	4,252453	4,411667	4,273182	4,3255863	4,312434	-0,01315233	0,990924927	---
17550607	9,601503	9,504244	9,424723	9,486532	9,605345	9,399138	9,5101567	9,497005	-0,01315167	0,990925384	---
17550598	14,23446	14,23018	14,23968	14,22793	14,21998	14,21701	14,234773	14,22164	-0,01313333	0,990937977	---
17329640	10,1466	10,14647	10,07666	10,17629	10,15934	9,994709	10,123243	10,110113	-0,01313033	0,990940038	Atp13a3
17475193	6,770791	6,940948	6,853854	6,859365	6,787247	6,87959	6,8551977	6,842067333	-0,01313033	0,990940038	Cic
17514300	3,059727	3,227053	3,459773	3,36668	3,212033	3,128466	3,248851	3,235726333	-0,01312467	0,99094393	Ccdc7
17256691	5,874096	5,870164	6,177715	5,793232	5,949773	6,1396	5,9739917	5,960868333	-0,01312333	0,990944846	Aoc2
17259748	9,15854	9,185408	9,153198	9,021965	9,237418	9,198441	9,1657153	9,152608	-0,01310733	0,990955836	Drg1
17449106	3,171017	2,963956	3,382082	3,241671	3,137676	3,098433	3,1723517	3,15926	-0,01309167	0,990966597	Mir1187
17404654	4,342215	4,022237	4,365686	4,179021	4,43103	4,080819	4,2433793	4,23029	-0,01308933	0,990968199	Ttc14
17550817	4,856122	5,057009	5,198332	5,071492	5,017734	4,982982	5,0371543	5,024069333	-0,013085	0,990971176	---
17548426	6,785051	6,868432	6,748486	6,668873	6,90165	6,792192	6,8006563	6,787571667	-0,01308467	0,990971405	Ywhag // Ywhag
17254895	5,713396	5,64436	5,840023	5,697633	5,703233	5,757683	5,732593	5,719516333	-0,01307667	0,9909769	Mks1
17352166	4,745147	4,766414	4,803405	4,79295	4,778607	4,704212	4,7716553	4,758589667	-0,01306567	0,990984456	---
17279730	5,081127	4,986499	4,570961	5,132468	4,910852	4,556077	4,879529	4,866465667	-0,01306333	0,990986059	Tmem196
17460614	4,153974	3,826046	4,200357	3,952773	4,12643	4,061999	4,0601257	4,047067333	-0,01305833	0,990989493	Gm5577 // Gm5577
17266415	6,723221	6,326057	6,613485	6,803179	6,433559	6,38687	6,5542543	6,541202667	-0,01305167	0,990994073	2610507B11Rik
17226720	4,012703	3,798728	4,255507	4,098791	3,922764	4,006261	4,0223127	4,009272	-0,01304067	0,991001629	Il20
17381084	8,762233	9,030194	8,684422	8,684203	8,870028	8,883531	8,8256163	8,812587333	-0,013029	0,991009643	Prpf6
17525310	9,904918	9,829443	9,79323	9,752312	9,960283	9,775919	9,8425303	9,829504667	-0,01302567	0,991011932	Fli1
17522698	9,219153	9,223325	9,269117	9,177907	9,192638	9,301985	9,2371983	9,224176667	-0,01302167	0,99101468	Ubp1
17205697	7,301608	6,897693	7,644274	7,270996	7,432613	7,100926	7,2811917	7,268178333	-0,01301333	0,991020404	---
17326944	8,401023	7,948976	8,068117	8,222438	8,244614	7,912028	8,139372	8,12636	-0,013012	0,99102132	---
17285710	6,269262	6,370173	6,289421	6,229617	6,293852	6,366366	6,3096187	6,296611667	-0,013007	0,991024755	Hist1h2br // Hist1h2bq // Hist1h2bn // H
17291014	6,269262	6,370173	6,289421	6,229617	6,293852	6,366366	6,3096187	6,296611667	-0,013007	0,991024755	Hist1h2br // Hist1h2bq // Hist1h2bn // H
17276105	8,021395	8,146347	8,122571	8,186049	8,057721	8,007645	8,096771	8,083805	-0,012966	0,991052919	2700049A03Rik
17516161	3,173771	3,106461	3,218393	3,173039	3,196768	3,089924	3,1662083	3,153243667	-0,01296467	0,991053835	Olfr147
17447110	6,173765	6,061857	6,28355	6,088214	6,206386	6,185729	6,1730573	6,160109667	-0,01294767	0,991065513	Nkx1-1
17548656	3,780823	3,731164	3,990522	3,86517	3,849959	3,74858	3,8341697	3,821236333	-0,01293333	0,99107536	LOC100861938
17295450	3,528777	3,556152	3,795462	3,51673	3,726953	3,597926	3,626797	3,613869667	-0,01292733	0,991079481	1700024P04Rik
17251278	4,986847	4,705852	4,940319	4,849163	4,86612	4,878964	4,8776727	4,864749	-0,01292367	0,991082	Usp43
17319453	9,294673	9,318274	9,221796	9,141215	9,347242	9,307565	9,2782477	9,265340667	-0,012907	0,99109345	Slc25a17
17438524	3,176279	3,166235	3,02619	3,071494	3,237819	3,020684	3,1229013	3,109999	-0,01290233	0,991096656	---
17429532	8,788286	8,77376	8,659508	8,746355	8,689222	8,747351	8,740518	8,727642667	-0,01287533	0,991115204	Smap2
17274965	4,174213	4,287039	4,538675	4,518866	4,084161	4,358317	4,333309	4,320448	-0,012861	0,991125051	Prps1l1
17452209	7,821683	7,973274	7,806178	7,881103	7,786065	7,895402	7,867045	7,85419	-0,012855	0,991129173	Mapkapk5
17317715	3,129457	3,191908	3,300768	3,19272	3,265111	3,125741	3,2073777	3,194524	-0,01285367	0,991130089	---
17444009	5,714639	5,836041	5,759981	5,889066	5,731276	5,651766	5,7702203	5,757369333	-0,012851	0,991131921	C130050O18Rik
17445044	7,616253	7,157998	7,436055	7,341911	7,447253	7,382597	7,4034353	7,390587	-0,01284833	0,991133753	B3galtl
17534758	3,836522	3,909525	4,095222	4,040243	3,799932	3,962592	3,9470897	3,934255667	-0,012834	0,9911436	4930502E18Rik
17531832	3,006526	3,109082	3,114194	2,982035	3,036277	3,172994	3,0766007	3,063768667	-0,012832	0,991144974	---
17409633	7,974983	8,025404	7,990655	8,025362	7,964027	7,963231	7,997014	7,984206667	-0,01280733	0,99116192	Slc30a7
17300145	3,464179	3,672035	3,862078	3,556113	3,672035	3,731787	3,6660973	3,653311667	-0,01278567	0,991176806	---
17532755	4,691725	4,816434	4,392589	4,588971	4,747261	4,526175	4,6335827	4,620802333	-0,01278033	0,99118047	Dgkk
17361915	8,944595	8,967148	8,854231	8,859384	8,962006	8,906254	8,9219913	8,909214667	-0,01277667	0,991182989	Mrpl49
17203633	4,898668	4,835259	5,026463	4,989425	4,75118	4,98147	4,92013	4,907358333	-0,01277167	0,991186425	---
17312603	3,582124	3,719535	3,597019	3,68443	3,638335	3,537607	3,6328927	3,620124	-0,01276867	0,991188486	---
17472725	8,550901	8,606659	8,547231	8,556545	8,533683	8,576262	8,5682637	8,555496667	-0,012767	0,991189631	Kras
17201481	6,889009	6,434943	6,366714	5,939169	6,78815	6,925071	6,5635553	6,550796667	-0,01275867	0,991195356	---
17368456	6,3521	6,479704	6,518291	6,522426	6,376425	6,412973	6,4500317	6,437274667	-0,012757	0,991196501	Cacfd1
17406730	6,786903	6,506315	6,842338	6,902282	6,625173	6,569864	6,711852	6,699106333	-0,01274567	0,991204288	Bglap-rs1 // Bglap-rs1
17489239	7,793474	7,855978	7,934798	7,587184	7,961526	7,997303	7,8614167	7,848671	-0,01274567	0,991204288	---
17470779	8,474458	8,689351	8,663989	8,549908	8,682542	8,557159	8,609266	8,596536333	-0,01272967	0,991215281	Emg1
17305707	3,906285	3,742083	3,918575	3,877325	3,818658	3,832828	3,8556477	3,842937	-0,01271067	0,991228335	A530076I17Rik
17332531	4,122063	4,182879	4,199234	4,354474	4,118415	3,993164	4,1680587	4,155351	-0,01270767	0,991230396	Mx1
17471885	3,097715	2,950908	3,22483	3,058614	3,052427	3,124336	3,091151	3,078459	-0,012692	0,99124116	Tas2r107
17499347	5,577647	5,537827	6,016404	5,737321	5,654765	5,701738	5,710626	5,697941333	-0,01268467	0,991246199	4932443I19Rik
17285488	4,478367	4,476777	4,423	4,430575	4,439661	4,469854	4,4593813	4,446696667	-0,01268467	0,991246199	Amph
17457092	4,102989	4,095351	4,214869	4,095809	4,121321	4,158041	4,1377363	4,125057	-0,01267933	0,991249863	Lrguk
17247886	3,816586	3,724391	3,531489	3,576635	3,755389	3,702444	3,690822	3,678156	-0,012666	0,991259024	4933427E13Rik
17439502	3,897973	3,690188	4,075046	3,949052	3,806487	3,869673	3,8877357	3,875070667	-0,012665	0,991259711	4930467D21Rik
17469967	7,965707	7,953751	7,89608	7,902297	7,940997	7,934268	7,9385127	7,925854	-0,01265867	0,991264063	Plxnd1
17500494	10,33906	10,47322	10,38159	10,34008	10,39429	10,42155	10,397957	10,38530667	-0,01265	0,991270018	---
17541190	9,589017	9,510296	9,398636	9,51792	9,418786	9,5233	9,4993163	9,486668667	-0,01264767	0,991271621	Cul4b
17492242	3,024281	3,22369	3,182368	3,105079	3,216936	3,070469	3,1434463	3,130828	-0,01261833	0,991291776	---
17379011	10,88793	10,87102	10,87137	10,81868	10,84175	10,93207	10,876773	10,86416667	-0,01260667	0,991299792	Top1
17255419	5,806534	5,725747	5,951786	5,912911	5,819715	5,713631	5,8280223	5,815419	-0,01260333	0,991302083	LOC100862044
17239401	9,27995	9,342259	9,084238	9,17633	9,289956	9,202359	9,2354823	9,222881667	-0,01260067	0,991303915	Pex3
17549044	10,1049	10,22972	10,14455	10,14819	10,14874	10,14447	10,159723	10,14713333	-0,01259	0,991311244	---
17495456	6,479479	6,43713	6,540079	6,412056	6,612091	6,394789	6,4855627	6,472978667	-0,012584	0,991315367	Rps15a
17260837	7,34692	7,295224	7,21857	7,216765	7,477699	7,128696	7,2869047	7,274386667	-0,012518	0,991360719	---
17399411	5,859181	5,926517	6,212937	6,239854	5,924267	5,796963	5,999545	5,987028	-0,012517	0,991361406	Dcst2
17200755	2,825857	2,952662	2,784174	2,757817	3,092225	2,675116	2,854231	2,841719333	-0,01251167	0,991365071	---
17381515	4,38736	4,901395	4,643657	4,583925	4,742282	4,5687	4,6441373	4,631635667	-0,01250167	0,991371942	---
17475101	6,110421	5,866902	6,041099	6,221661	5,699602	6,059676	6,0061407	5,993646333	-0,01249433	0,991376981	Dmrtc2
17526636	5,219001	4,849539	5,306073	5,05057	5,298559	4,988013	5,124871	5,112380667	-0,01249033	0,99137973	4931429L15Rik
17343882	5,589533	5,652033	5,839297	5,550774	5,688747	5,803892	5,693621	5,681137667	-0,01248333	0,99138454	Egfl8
17508202	4,479027	4,393842	4,576415	4,407559	4,48594	4,518343	4,4830947	4,470614	-0,01248067	0,991386373	Adam18
17310316	5,470587	5,07452	5,325346	5,331143	5,09182	5,410073	5,290151	5,277678667	-0,01247233	0,991392099	Gm10389
17247336	8,408542	8,377261	8,138277	8,264907	8,232312	8,389472	8,3080267	8,295563667	-0,012463	0,991398513	Ikzf1
17549084	2,90502	2,951783	2,860445	2,863663	2,910348	2,905892	2,9057493	2,893301	-0,01244833	0,991408592	---
17428553	7,222713	7,240894	7,208215	7,201722	7,183236	7,249541	7,2239407	7,211499667	-0,012441	0,991413631	Rad54l
17317139	3,099079	3,007201	3,163007	2,954605	3,308321	2,969113	3,0897623	3,077346333	-0,012416	0,991430811	---
17305748	7,989164	7,835155	7,49357	7,66211	7,895471	7,723066	7,7726297	7,760215667	-0,012414	0,991432186	Gch1
17494793	3,614084	3,340138	3,504052	3,413464	3,694432	3,313142	3,4860913	3,473679333	-0,012412	0,99143356	Olfr487
17483970	4,153527	4,120245	4,452573	4,148075	4,387145	4,153901	4,2421115	4,229707	-0,012408	0,991436309	1700029B22Rik
17382845	7,494963	7,33883	7,438778	7,359015	7,326535	7,549817	7,4241903	7,411789	-0,01240133	0,99144089	C330006A16Rik
17207011	7,455016	7,534759	7,347207	7,418484	7,296681	7,584669	7,4456607	7,433278	-0,01238267	0,991453718	---
17507595	5,288552	5,110024	5,448577	5,353363	5,31806	5,138588	5,2823843	5,270003667	-0,01238067	0,991455093	Atp4b
17537853	8,13362	8,06831	7,8466	7,977136	7,975909	8,05837	8,0161767	8,003805	-0,01237167	0,991461278	Bhlhb9
17210781	3,747611	2,98669	3,136815	3,526298	3,39505	2,912658	3,290372	3,278002	-0,01237	0,991462423	---
17202485	3,171126	3,673141	3,380987	3,12883	3,927031	3,132328	3,408418	3,396063	-0,012355	0,991472732	---
17341371	5,275661	5,459627	5,643669	5,478132	5,547865	5,315983	5,4596523	5,447326667	-0,01232567	0,991492891	2210404O09Rik
17241582	8,452929	8,350043	8,350209	8,23907	8,383166	8,494033	8,3843937	8,372089667	-0,012304	0,991507781	Sirt1
17340320	5,079358	5,283281	5,655789	5,307537	5,323197	5,350794	5,339476	5,327176	-0,0123	0,99151053	Gm4832
17299506	3,707639	3,557278	3,652037	3,49582	3,857323	3,526912	3,6389847	3,626685	-0,01229967	0,99151076	Olfr745
17362467	10,31611	10,2655	10,31659	10,27508	10,30449	10,28175	10,2994	10,28710667	-0,01229333	0,991515112	Tmem179b
17367295	6,17048	5,861943	6,143976	5,893659	6,138861	6,107006	6,0587997	6,046508667	-0,012291	0,991516716	Bmi1
17356084	5,607119	5,811164	6,178552	5,711311	6,010428	5,838229	5,8656117	5,853322667	-0,012289	0,99151809	Cabp2
17485943	5,42183	5,474555	5,303779	5,305095	5,526485	5,331726	5,4000547	5,387768667	-0,012286	0,991520152	Shisa7
17299905	2,844976	2,807975	2,847581	2,86401	2,816582	2,783087	2,8335107	2,821226333	-0,01228433	0,991521298	---
17420444	7,997894	8,212694	7,834495	7,954691	8,125179	7,928361	8,0150277	8,002743667	-0,012284	0,991521527	---
17382972	8,073372	7,962513	7,973215	8,000747	8,034025	7,937519	8,0030333	7,990763667	-0,01226967	0,991531378	Sdccag3
17548162	4,342852	4,428006	4,185198	4,202808	4,449287	4,267182	4,3186853	4,306425667	-0,01225967	0,99153825	Gm20325
17312050	13,57407	13,60726	13,59973	13,56373	13,57874	13,60184	13,593687	13,58143667	-0,01225	0,991544894	Rpl21 // Rpl21
17207453	6,16226	5,99874	4,845515	5,6382	5,804888	5,526691	5,6688383	5,656593	-0,01224533	0,991548102	---
17330427	6,960636	6,890666	7,241632	7,008135	6,967495	7,08062	7,030978	7,01875	-0,012228	0,991560015	Upk1b

17280339	4,778049	4,647918	4,58185	4,768219	4,428411	4,774512	4,6692723	4,657047333	-0,012225	0,991562077	Gm20187	
17282360	5,25663	5,396492	5,176637	5,245554	5,318594	5,228992	5,2765863	5,26438	-0,01220633	0,991574906	---	
17490626	13,33197	13,36531	13,38985	13,35413	13,36872	13,32767	13,362377	13,35017333	-0,01220333	0,991576968	Snord32a	
17262575	8,578032	8,565068	8,459706	8,379526	8,557575	8,62914	8,5342687	8,522080333	-0,01218833	0,991587278	Ube2b	
17200155	3,475777	3,783552	3,593296	3,780246	3,374432	3,661395	3,6175417	3,605357667	-0,012184	0,991590256	---	
17205127	5,302858	5,868517	5,144532	5,531646	5,23012	5,517669	5,4386357	5,426478333	-0,01215733	0,991608585	---	
17209317	5,302858	5,868517	5,144532	5,531646	5,23012	5,517669	5,4386357	5,426478333	-0,01215733	0,991608585	---	
17332915	11,00604	11,00388	11,18972	11,13645	11,05577	10,97096	11,066547	11,05439333	-0,01215333	0,991611334	Dynlt1b	
17458333	6,015775	5,883485	6,076569	6,022867	5,787254	6,129251	5,991943	5,979790667	-0,01215233	0,991612021	Zfp775	
17246033	4,61836	4,672489	4,471318	4,608151	4,704382	4,413194	4,587389	4,575242333	-0,01214667	0,991615916	---	
17359787	7,354837	7,413212	7,370812	7,379299	7,333549	7,389592	7,3796203	7,36748	-0,01214033	0,99162027	Peo1	
17544308	3,3283	3,148358	3,123178	2,965615	3,492204	3,105647	3,1999453	3,187822	-0,01212333	0,991631954	---	
17293258	5,873778	6,199063	6,385297	5,904116	6,152833	6,36486	6,1527127	6,140603	-0,01210967	0,991641348	Fam75d3	
17466581	5,864241	6,091075	5,92305	5,990569	6,040328	5,81116	5,9594553	5,947352333	-0,012103	0,99164593	Zfp467	
17421488	4,702689	4,754866	4,737404	5,082324	4,926565	4,149762	4,731653	4,719550333	-0,01210267	0,99164616	---	
17339559	2,669702	3,076552	3,182133	2,982857	2,94981	2,959448	2,976129	2,964038333	-0,01209067	0,991654408	---	
17308796	5,251718	4,544958	5,214233	5,195693	4,922787	4,856161	5,0036363	4,991547	-0,01208933	0,991655324	Gm1587	
17399086	6,491017	6,897655	6,515335	6,690214	6,818185	6,359379	6,634669	6,622592667	-0,01207633	0,99166426	Mex3a	
17233394	8,569691	8,5248	8,687185	8,61687	8,558685	8,569894	8,593892	8,581816333	-0,01207567	0,991664718	Smpdl3a	
17454157	6,800787	6,898909	6,867437	6,808795	6,944581	6,777558	6,855711	6,843644667	-0,01206633	0,991671134	Mepce	
17282226	9,52873	9,493403	9,356113	9,437336	9,443151	9,461632	9,4594153	9,447373	-0,01204233	0,991687631	Actn1	
17280921	3,170333	3,050468	3,456064	3,02681	3,526318	3,087616	3,2256217	3,213581333	-0,01204033	0,991689006	---	
17200301	6,703931	6,338607	6,539344	6,725996	6,386995	6,43281	6,527294	6,515267	-0,012027	0,991698171	---	
17225116	7,129191	6,723599	6,834547	6,667135	7,075799	6,908329	6,895779	6,883754333	-0,01202467	0,991699775	---	
17362861	3,820605	3,587509	3,514627	3,596304	3,767734	3,522707	3,6409137	3,628915	-0,01199867	0,991717647	Ms4a18	
17529807	6,624502	6,657518	6,76892	6,69583	6,656579	6,662557	6,6836467	6,671655333	-0,01199133	0,991722688	Rnf7	
17371162	4,793511	4,808283	4,71361	4,683352	4,834577	4,76154	4,7718013	4,759823	-0,01197833	0,991731625	Slc4a10	
17412231	3,68453	3,298264	3,68484	3,543823	3,500395	3,587562	3,555878	3,543926667	-0,01195133	0,991750185	---	
17541831	5,377566	5,194368	5,278935	5,228657	5,216793	5,369566	5,283623	5,271672	-0,011951	0,991750414	Ncrna00086	
17332912	3,928137	3,600903	3,601407	3,553782	3,930937	3,609911	3,710149	3,69821	-0,011939	0,991758663	---	
17217321	7,75198	7,822539	7,662443	7,70049	7,776703	7,723976	7,745654	7,733723	-0,011931	0,991764163	Golt1a	
17336824	4,624107	4,767876	4,740171	4,807128	4,675388	4,613909	4,710718	4,698808333	-0,01190967	0,991778828	Hspa1l	
17393095	5,000254	4,969234	5,002133	4,967134	5,077538	4,891272	4,9905403	4,978648	-0,01189233	0,991790744		11/06/17
17323432	6,232005	6,122442	6,198947	6,403841	6,018758	6,095213	6,1844647	6,172604	-0,01186067	0,991812514	Hic2	
17282753	4,834027	4,8206	4,767519	4,857796	4,751507	4,777273	4,807382	4,795525333	-0,01185667	0,991815264	---	
17386465	8,660216	8,593269	8,629257	8,683248	8,561122	8,602824	8,6275807	8,615731333	-0,01184933	0,991820305	Sp3	
17540501	5,777972	5,743431	5,811539	5,655939	5,684949	5,956524	5,7776473	5,765804	-0,01184333	0,99182443	Syn1	
17419416	2,709515	3,223515	3,045749	2,949201	2,91782	3,076241	2,9929263	2,981087333	-0,011839	0,991827409	---	
17548086	4,804152	4,940041	4,809826	4,857193	4,830672	4,830672	4,8513397	4,839512333	-0,01182733	0,99183543	Gm19670	
17284490	8,672358	8,637865	8,473255	8,443982	8,677276	8,626745	8,5944927	8,582667667	-0,011825	0,991837034	---	
17379268	9,888631	9,916754	10,13767	10,0734	10,00817	9,826012	9,9810183	9,969194	-0,01182433	0,991837492	Hnf4a	
17315570	8,704018	8,590063	8,54627	8,606775	8,596246	8,601864	8,6134503	8,601628333	-0,011822	0,991839096	Nckap1l	
17210243	4,309844	3,755034	3,781895	3,88792	4,123276	3,800127	3,9489243	3,937107667	-0,01181667	0,991842763	---	
17308459	10,95264	10,93371	11,00587	10,83317	11,12211	10,90151	10,964073	10,95226333	-0,01181	0,991847346	---	
17332265	4,937576	4,66346	4,944973	4,944894	4,885752	4,679977	4,8486697	4,836874333	-0,01179533	0,99185743	1700029J03Rik	
17326233	3,788274	3,56074	3,72076	3,732232	3,715256	3,586938	3,6899247	3,678142	-0,01178267	0,991866138	---	
17446524	5,836104	5,614083	5,367073	5,581272	5,66385	5,536805	5,6057533	5,593975667	-0,01177767	0,991869576	Speer4b	
17477142	4,883472	5,276254	4,731899	4,900851	4,550072	5,405386	4,963875	4,952103	-0,011772	0,991873472	Zfp658	
17443221	7,801041	8,016046	7,953969	7,846837	7,880111	8,008816	7,9236853	7,911921333	-0,011764	0,991878972	Bcl7b	
17508036	9,94742	9,706416	9,555305	9,675788	9,676863	9,821201	9,7363803	9,724617333	-0,011763	0,991879659	Slc25a15	
17239466	8,277653	8,298769	8,073349	8,291788	8,199089	8,123609	8,2165903	8,204828667	-0,01176167	0,991880576	---	
17493185	9,610476	9,555243	9,353222	9,392134	9,523125	9,568399	9,5063137	9,494552667	-0,011761	0,991881034	Tmem135	
17218060	4,143736	3,766482	4,339418	4,21307	3,98062	4,020671	4,083212	4,071453667	-0,01175833	0,991882868	Ptgs2	
17235582	5,301291	5,61128	5,284123	5,602905	5,563309	4,995246	5,398898	5,387153333	-0,01174467	0,991892264	Snord37	
17305986	11,484	11,58249	11,4853	11,50208	11,35941	11,65514	11,517263	11,50554333	-0,01172	0,991909223	Rpph1	
17371485	7,690229	7,740412	7,478785	7,457474	7,767262	7,649553	7,6364753	7,624763	-0,01171233	0,991914494	Phospho2	
17545548	3,118771	3,140735	3,16548	3,133957	3,172737	3,083171	3,141662	3,129955	-0,011707	0,991918161	Magea6	
17416596	4,46286	4,261097	4,347065	4,451187	4,418901	4,165824	4,3570073	4,345304	-0,01170333	0,991920682	4930407G08Rik // 4930407G08Rik	
17259679	6,072101	6,146781	6,212069	6,022276	6,218496	6,155078	6,1436503	6,13195	-0,01170033	0,991922745	Metrnl	
17361056	9,322769	9,347608	9,418356	9,233794	9,482261	9,337607	9,362911	9,351220667	-0,01169033	0,99192962	Ndufv1	
17517634	8,623353	8,730765	8,562963	8,717394	8,543644	8,621078	8,639027	8,627372	-0,011655	0,991953914	Sin3a	
17490750	5,297158	5,27607	5,173615	5,263581	5,267614	5,180684	5,2489477	5,237293	-0,01165467	0,991954143	Ppfia3	
17440553	7,18471	7,303484	7,170869	7,074071	7,345108	7,204922	7,2196877	7,208033667	-0,011654	0,991954602	Ddx51	
17287102	6,545099	6,361166	6,307551	6,276364	6,532833	6,369658	6,4046053	6,392951667	-0,01165367	0,991954831	C030044B11Rik	
17358660	6,769503	7,038136	6,950082	6,776262	7,004193	6,942351	6,9192403	6,907602	-0,01163833	0,991965374	Cstf2t	
17244393	4,723448	4,446777	4,959837	4,671527	4,597981	4,825667	4,7100207	4,698391667	-0,011629	0,991971791	---	
17497110	5,22691	5,017914	5,070741	4,994857	5,04917	5,23667	5,1051883	5,093565667	-0,01162267	0,991976146	---	
17284710	4,895689	4,73515	4,875304	4,869806	4,8719	4,729591	4,835381	4,823765667	-0,01161533	0,991981188	Dnahc11	
17318502	7,228035	7,434479	7,167651	7,350212	7,369198	7,07591	7,2767217	7,265106667	-0,011615	0,991981417	Dgat1	
17272552	4,855976	4,757262	4,742876	4,732069	4,68057	4,90863	4,7853713	4,773756333	-0,011615	0,991981417	---	
17240693	4,516566	4,513099	4,451381	4,504149	4,478976	4,463096	4,493682	4,482073667	-0,01160833	0,991986001	Grik2	
17299471	3,32848	3,152273	2,954421	3,180123	3,25333	2,966939	3,145058	3,133464	-0,011594	0,991995857	---	
17202765	3,77574	3,800449	3,570073	3,876406	3,200118	4,035035	3,7154207	3,703853	-0,01156767	0,99203964	---	
17443015	9,465185	9,483387	9,504516	9,534416	9,490557	9,39344	9,4843627	9,472804333	-0,01155833	0,992020381	0610007L01Rik	
17533307	6,851286	6,741129	6,658369	6,743137	6,829823	6,64317	6,7502613	6,73871	-0,01155133	0,992025195	Gm14484	
17549086	3,068786	3,106837	3,10978	3,093846	3,165136	2,991828	3,0951343	3,083603333	-0,011531	0,992039176	---	
17255650	5,699442	5,584983	5,747232	5,732557	5,650453	5,614087	5,677219	5,665699	-0,01152	0,99204674	Snx11 // Snx11	
17360735	3,57895	3,774902	3,724106	3,592286	3,720907	3,730275	3,6926527	3,681156	-0,01149667	0,992062785	1700011F14Rik	
17288654	9,386812	9,553102	9,041805	9,153008	9,437098	9,357136	9,3272397	9,315747333	-0,01149233	0,992065765	Erap1	
17230960	8,812721	8,893634	8,749467	8,761397	8,733321	8,926663	8,8186073	8,807127	-0,01148033	0,992074017	Prox1	
17213338	8,20801	8,176424	7,903915	8,048813	8,166403	8,038694	8,0961163	8,084636667	-0,01147967	0,992074475	Fam117b	
17356314	7,358682	7,545881	7,435837	7,291286	7,441859	7,572876	7,4468	7,435340333	-0,01145967	0,992088228	Mrpl11	
17338529	7,82856	7,950628	7,808227	7,862917	7,858415	7,831713	7,8624717	7,851015	-0,01145667	0,992090291	Gm7334	
17515835	10,29455	10,55965	10,40399	10,28381	10,49029	10,44972	10,419397	10,40794	-0,01145667	0,992090291	Tmed2	
17389227	3,597326	3,492815	3,724739	3,541846	3,770813	3,467854	3,60496	3,593504333	-0,01145567	0,992090979	4930430A15Rik	
17432038	5,20417	5,163357	5,37332	5,247459	5,214101	5,244929	5,246949	5,235496333	-0,01145267	0,992093042	Padi3	
17251855	11,59332	11,64014	11,55467	11,58205	11,61267	11,55906	11,596043	11,58459333	-0,01145	0,992094876	Gabarap	
17406431	3,101423	2,968957	3,067625	3,047567	3,105259	2,950837	3,0460017	3,034554333	-0,01144733	0,99209671	---	
17319649	8,640117	8,964886	8,792459	9,001523	8,59031	8,771297	8,799154	8,78771	-0,011444	0,992099002	Cyp2d10	
17250475	6,791363	6,739758	6,800458	6,724975	6,84575	6,726566	6,777193	6,765763667	-0,01142933	0,992109088	Llgl1	
17505934	5,390433	5,145025	5,000873	5,062021	5,484074	4,955976	5,178777	5,167357	-0,01142	0,992115506	---	
17526514	6,278052	6,587143	6,66636	6,346751	6,716574	6,433981	6,5105183	6,499102	-0,01141633	0,992118028	Cep164	
17506808	4,579488	4,796773	4,940705	4,730412	4,729401	4,822916	4,772322	4,760909667	-0,01141233	0,992120778	Trim67	
17382378	4,724507	4,746717	4,796561	4,710729	4,718132	4,804697	4,7559283	4,744519333	-0,011409	0,992123071	D530008I23	
17387914	3,045116	3,048106	3,160782	2,966001	3,145499	3,108292	3,084668	3,073264	-0,011404	0,992126509	Olfr1228	
17307007	4,411625	4,444191	4,599917	4,554724	4,492316	4,374485	4,4852443	4,473841667	-0,01140267	0,992127426	Gzmn	
17252329	5,148678	5,0233	5,033526	4,845029	5,029161	5,297113	5,0685013	5,057101	-0,01140033	0,992129031	4930563E22Rik	
17517880	4,467364	4,297238	4,389277	4,482607	4,481581	4,155504	4,3846263	4,373230667	-0,01139567	0,99213224	Ccdc33	
17491435	4,009743	3,829929	3,877538	3,828631	4,033919	3,820511	3,9057367	3,894353667	-0,011383	0,992140951	Luzp2	
17342770	5,788036	5,737322	5,792738	5,938025	5,660872	5,685078	5,7726987	5,761325	-0,01137367	0,992147369	Spdef	
17213478	4,239814	4,031233	4,018784	4,240512	4,051061	3,964154	4,0966103	4,085242333	-0,011368	0,992151266	Ctla4	
17489384	7,517859	7,640138	7,470088	7,411211	7,535063	7,647716	7,542695	7,53133	-0,011365	0,992153329	Lsr	
17321346	4,464834	4,367801	4,468629	4,406401	4,36409	4,496682	4,4337547	4,422391	-0,01136367	0,992154246	Ddn	
17357255	6,658983	6,687283	6,567719	6,527433	6,868933	6,483535	6,637995	6,626633667	-0,01136133	0,992155851	Lrrn4cl	
17319339	6,147478	6,097745	6,246084	6,164543	6,198347	6,094341	6,163769	6,152410333	-0,01135867	0,992157685	Npcd	
17350936	9,9793	9,976709	10,08294	10,03702	10,00803	9,959858	10,012983	10,001636	-0,011347	0,992165708	Dctn4	
17282980	8,377056	8,338593	8,299054	8,269442	8,431056	8,280176	8,3382343	8,326891333	-0,011343	0,992168459	4930534B04Rik	
17305561	8,646247	8,753349	9,016598	8,975156	8,799898	8,607112	8,805398	8,794055333	-0,01134267	0,992168688	---	
17228023	8,546454	8,421605	8,330493	8,191444	8,448442	8,624681	8,4328507	8,42152233	-0,01132833	0,992178546	1200016B10Rik	
17268972	6,625872	6,614766	6,940374	6,56088	6,871632	6,714579	6,727004	6,715697	-0,011307	0,992193217	Ccr7	
17234707	6,28928	6,030865	6,14196	6,196367	6,23603	5,995797	6,154035	6,142731333	-0,01130367	0,99219551	Gm10272	
17414796	3,947547	3,932724	4,097585	4,191657	3,760397	3,991945	3,9926187	3,981333	-0,01128567	0,992207889	---	
17457524	6,19228	6,173985	5,99609	6,036145	6,174798	6,117568	6,120785	6,109503667	-0,01128133	0,992210869	Adck2	
17281789	5,396545	5,089985	5,516293	5,371119	5,168195	5,429702	5,3342743	5,323005333	-0,011269	0,992219352	Gpr135	
17219519	5,639933	5,640407	5,508155	5,681362	5,579101	5,494235	5,596165	5,584899333	-0,01126567	0,992221644	Igsf8	
17326950	3,807044	3,849628	4,050886	4,230077	3,622154	3,821548	3,9025193	3,891259667	-0,01125967	0,992225771	Krtap20-2	
17314134	9,001694	8,968624	8,984106	9,078629	8,941744	8,900312	8,984808	8,973561667	-0,01124633	0,992234941	Ncaph2	
17551151	10,67281	10,76312	10,72757	10,72134	10,70336	10,70508	10,721167	10,70992667	-0,01124	0,992239297	---	
17412579	4,453809	4,400054	4,749294	4,777447	4,258086	4,533947	4,5343857	4,52316	-0,01122567	0,992249155	Gabrr1	
17246019	8,31073	8,223293	8,347875	8,375477	8,255297	8,217487	8,293966	8,282753667	-0,01121233	0,992258325	Nab2	
17396677	9,362144	9,334007	9,295564	9,346948	9,34939	9,261758	9,3305717	9,319365333	-0,01120633	0,992262452	Pik3ca	
17218701	4,466076	4,471068	4,277615	4,322031	4,210393	4,648726	4,4049197	4,393716667	-0,011203	0,992264744	Tnfsf4	
17296631	6,849373	6,58294	6,217616	6,678291	6,512918	6,425124	6,5499763	6,538777667	-0,01119867	0,992267725	Gm10409	
17296688	6,849373	6,58294	6,217616	6,678291	6,512918	6,425124	6,5499763	6,538777667	-0,01119867	0,992267725	Gm10409	
17263511	5,298558	5,349852	5,510292	5,389809	5,383874	5,351467	5,386234	5,37505	-0,011184	0,992277812	Rasd1	
17458641	10,85959	10,83687	10,7552	10,77582	10,82234	10,82	10,81722	10,80605333	-0,01116667	0,992289734	Tax1bp1	
17291667	5,097323	4,597743	4,943441	4,881283	5,019742	4,703983	4,8795023	4,868336	-0,01116633	0,992289964	---	
17500062	5,808574	5,682096	5,862904	5,711091	5,818986	5,79002	5,7845247	5,773365667	-0,011159	0,992295007	Nkx6-3	
17350432	4,361752	4,282861	4,017288	4,010493	4,369293	4,248649	4,2206337	4,209478333	-0,01115533	0,992297529	G630055G22Rik	
17359931	7,176805	8,440268	7,716683	7,955292	7,816056	7,52895	7,7779187	7,766766	-0,01115267	0,992299364	---	
17300015	6,411464	6,215539	6,255659	6,318182	6,268167	6,26289	6,2942207	6,283079667	-0,011141	0,992307388	---	
17514832	10,12158	10,29824	10,46428	10,37061	10,12824	10,35185	10,2947	10,28356667	-0,01113333	0,992312661	Taf1d	
17286158	4,250359	4,039698	3,957044	4,115926	4,070829	4,026968	4,082367	4,071241	-0,011126	0,992317705	Prl3a1	
17464706	4,194942	4,284574	4,179477	4,169663	4,205114	4,250863	4,2196643	4,208546667	-0,01111767	0,992323437	Dlx5	

17327201	7,367084	7,475392	7,17154	7,472797	7,35751	7,150367	7,3380053	7,326891333	-0,011114	0,992325959	Mrps6	
17345016	3,974516	4,070512	4,130334	4,103753	3,956006	4,082279	4,058454	4,047346	-0,011108	0,992330086	Gpr115	
17443401	5,915707	5,608384	5,659895	5,542782	5,883983	5,723905	5,7279953	5,71689	-0,01110533	0,99233192	Rasa4	
17486078	5,027547	5,555021	5,310339	5,572619	5,204476	5,082514	5,2976357	5,286536333	-0,01109933	0,992336047	Zfp583	
17203141	8,288641	8,467527	8,296031	8,556901	8,08497	8,377063	8,350733	8,339644667	-0,01108833	0,992343614	---	
17205349	3,401314	4,162511	4,048539	3,30933	3,931293	4,338538	3,870788	3,859720333	-0,01106767	0,992357829	---	
17248927	4,726346	4,091979	4,492635	4,342807	4,36559	4,569365	4,4369867	4,425920667	-0,011066	0,992358975	Olfr1394	
17223490	6,773891	7,006063	6,772758	6,829814	6,787711	6,901989	6,850904	6,839838	-0,011066	0,992358975	Tmem237	
17441063	7,71085	7,61543	7,752265	7,753293	7,561187	7,730893	7,6928483	7,681791	-0,01105733	0,992364937	2210016L21Rik	
17424768	6,325056	5,874619	6,332901	6,248625	6,079753	6,171038	6,1775253	6,166472	-0,01105333	0,992367688	---	
17423792	8,646553	8,584206	8,542056	8,672998	8,500969	8,565766	8,5909383	8,579911	-0,01102733	0,992385573	Pnrc1	
17389472	4,424733	4,425188	4,210942	4,325178	4,449783	4,252828	4,353621	4,342596333	-0,01102467	0,992387407	Scg5	
17205925	3,177352	2,896757	3,517603	3,047785	3,183312	3,327586	3,1972373	3,186227667	-0,01100967	0,992397725	---	
17269985	7,319433	7,42985	7,320723	7,423098	7,298244	7,315656	7,3566687	7,345666	-0,01100267	0,99240254	Dusp3	
17435186	5,515973	5,427711	5,753353	5,546391	5,444324	5,673317	5,565679	5,554677333	-0,01100167	0,992403228	Gm17434	
17340323	8,331412	8,331447	8,342939	8,305634	8,383028	8,284146	8,335266	8,324269333	-0,01099667	0,992406668	Foxn2	
17245312	3,088915	3,060237	3,10066	3,161998	3,040572	3,014289	3,0832707	3,072286333	-0,01098433	0,992415152	Iltifb	
17419215	9,753271	9,783947	10,07112	9,975599	10,00177	9,59802	9,869446	9,858463	-0,010983	0,992416069	Fabp3	
17421080	6,359743	6,299932	6,461641	6,504023	6,169341	6,415014	6,373772	6,362792667	-0,01097933	0,992418591	Zbtb17	
17503664	5,985328	5,89325	6,114946	6,092825	6,051818	5,815969	5,9978413	5,986870667	-0,01097067	0,992424553	Nod2	
17273479	5,149896	5,188499	5,073841	5,04046	5,190682	5,14824	5,137412	5,126460667	-0,01095133	0,992437852	Tex19.2	
17455713	2,999378	2,953568	2,987603	2,865629	3,102541	2,939525	2,980183	2,969231667	-0,01095133	0,992437852	---	
17298451	8,232107	8,474545	8,257767	8,347074	8,273871	8,310738	8,321473	8,310561	-0,010912	0,99246491	Eaf1	
17369266	4,638789	5,094751	4,776358	4,97085	4,79998	4,70634	4,8366327	4,825723333	-0,01090933	0,992466745	Mir3089	
17485586	7,038675	7,454054	7,294408	7,15896	7,303134	7,292364	7,262379	7,251486	-0,010893	0,992477981	Rps9 // Rps9	
17208419	3,921586	3,564053	4,912139	4,754442	3,491208	4,119499	4,1325927	4,121716333	-0,01087633	0,992489446	---	
17471274	5,320749	4,948039	5,414228	5,184361	5,288038	5,177992	5,227672	5,216797	-0,010875	0,992490364	---	
17318194	7,668408	7,483752	7,584502	7,452691	7,506214	7,745138	7,5788873	7,568014333	-0,010873	0,99249174	Naprt1	
17551139	9,136305	9,122547	9,064238	9,131761	9,129011	9,029715	9,1076967	9,096829	-0,01086767	0,992495409	---	
17430777	7,688846	7,624382	7,743281	7,621581	7,758925	7,643405	7,685503	7,674637	-0,010866	0,992496555	Gmeb1	
17507209	4,128827	4,294664	4,374282	4,063144	4,335087	4,366997	4,2659243	4,255076	-0,01084833	0,992508709	Cd209c // Cd209c	
17521523	6,683181	6,898859	7,028067	7,000673	6,873003	6,703955	6,8700357	6,859210333	-0,01082533	0,992524532	Traip	
17387620	4,289968	4,343902	4,280614	4,25198	4,347826	4,282235	4,304828	4,294013667	-0,01081433	0,9925321	Olfr1012	
17500188	6,893986	7,414707	7,104832	7,107973	7,046359	7,22675	7,1378417	7,127027333	-0,01081433	0,9925321	Lsm1	
17535420	4,007232	3,81001	3,945514	3,73527	3,858037	4,137046	3,9209187	3,910117667	-0,010801	0,992541273	Gabrq	
17451691	10,74834	10,69999	10,65182	10,55872	10,70965	10,7994	10,70005	10,68925667	-0,01079333	0,992546547	Rnf10	
17210757	6,174084	5,672121	6,063169	6,316421	5,639668	5,920919	5,9697913	5,959002667	-0,01078867	0,992549758	---	
17343474	4,393325	4,003228	4,337112	4,227124	4,316138	4,158064	4,244555	4,233775333	-0,01077967	0,99255595	---	
17395703	8,155771	8,379473	8,559591	8,291525	8,255919	8,515091	8,364945	8,354178333	-0,01076667	0,992564894	---	
17373632	3,092558	2,793276	3,258519	3,020838	3,102968	2,988326	3,0481177	3,037377333	-0,01074033	0,992583011	---	
17229578	8,081844	8,210944	8,031192	8,294416	8,136654	7,86069	8,1079933	8,097253333	-0,01074	0,99258324	Dusp12	
17271751	7,455935	7,275849	7,488599	7,411595	7,203352	7,573294	7,4067943	7,396080333	-0,010714	0,992601129	Gm11711	
17542086	3,051399	3,017741	3,366478	3,084198	3,254795	3,064622	3,145206	3,134538333	-0,01066767	0,992633007	Mir470	
17512149	3,66805	3,628353	3,428124	3,587766	3,438715	3,666048	3,5748423	3,564176333	-0,010666	0,992634154	---	
17377870	7,733584	7,953242	7,657912	7,628627	7,844358	7,839761	7,7815793	7,770915333	-0,010664	0,99263553	Hck	
17441799	5,43361	5,516012	5,401281	5,501709	5,39043	5,426815	5,450301	5,439651333	-0,01064967	0,992645392	Rpl6	
17216010	10,99854	11,22043	11,21447	11,14972	11,15092	11,10088	11,14448	11,13384	-0,01064	0,992652043	---	
17481137	4,204758	4,001079	3,95721	4,194666	4,138338	3,798128	4,054349	4,043710667	-0,01063833	0,99265319	Olfr555	
17535607	6,764134	6,773913	6,926673	6,73844	6,918439	6,775929	6,8215733	6,810936	-0,01063733	0,992653878	Slc6a8	
17237767	6,78378	7,010796	6,941658	6,77155	6,931394	7,001387	6,912078	6,901443667	-0,01063433	0,992655942	Ppm1h	
17448863	7,004448	7,285284	7,309519	7,317061	7,322104	6,928202	7,1997503	7,189122333	-0,010628	0,9926603	Scfd2	
17528014	9,078534	9,232257	9,005228	9,068775	9,106726	9,108637	9,1053397	9,094712667	-0,010627	0,992660988	Fem1b	
17236487	8,226293	8,175343	8,327078	8,102915	8,186115	8,407837	8,2429047	8,232289	-0,01061567	0,992668786	LOC100861804	
17297655	5,305193	5,362141	5,179855	5,202765	5,332928	5,279675	5,2823963	5,271789333	-0,010607	0,992674749	---	
17389115	3,629617	3,60751	3,819327	3,655564	3,705432	3,663641	3,6854847	3,674879	-0,01060567	0,992675667	---	
17380706	5,841187	6,190127	6,107358	5,939929	6,079637	6,087329	6,046224	6,035631667	-0,01059233	0,992684841	Hrh3 // Hrh3	
17210097	3,89777	3,165664	3,075537	3,545718	3,594067	2,967422	3,379657	3,369069	-0,010588	0,992687823	---	
17303754	5,803034	5,635541	5,544277	5,425686	5,644525	5,880887	5,6609507	5,650366	-0,01058467	0,992690116	---	
17494020	4,967579	4,541816	4,849465	4,81355	4,747019	4,766583	4,7862867	4,775717333	-0,01056933	0,992700667	Art5	
17534665	10,48684	10,34095	10,3585	10,31021	10,35137	10,49305	10,39543	10,38487667	-0,01055333	0,992711676	---	
17458191	5,186068	5,141972	5,251752	5,194531	5,186475	5,167158	5,193264	5,182721333	-0,01054267	0,992719016	Sspo	
17346155	5,940094	6,430649	6,39608	6,480845	6,04005	6,214319	6,2556077	6,245071333	-0,01053633	0,992723374	Sema6b	
17448676	2,963123	2,973667	3,123178	3,073929	2,991208	2,963273	3,0199893	3,00947	-0,01051933	0,992735072	Gm5868	
17478362	8,053521	7,987857	7,855603	7,763811	8,055466	8,046172	7,9656603	7,955149667	-0,01051067	0,992741036	Prmt3	
17501211	6,611192	6,592134	6,95844	6,709959	6,638637	6,781645	6,7205887	6,710080333	-0,01050833	0,992742641	---	
17485430	4,745286	4,6737	4,942439	4,841524	4,663197	4,825194	4,7871417	4,776638333	-0,01050333	0,992746082	Fgf3	
17273216	7,13047	7,203824	7,225949	7,05383	7,263446	7,211464	7,1867477	7,176246667	-0,010501	0,992747687	Sirt7	
17430662	5,952399	5,416103	5,81482	5,708734	5,815566	5,627534	5,727774	5,717278	-0,010496	0,992751128	A930031H19Rik	
17274323	5,045648	4,406684	4,824309	4,734892	4,658749	4,851522	4,7588803	4,748387667	-0,01049267	0,992753422	---	
17391510	4,654192	4,918509	4,780451	4,762846	4,899553	4,659278	4,784384	4,773892333	-0,01049167	0,99275411	Gm14025	
17384225	3,870412	3,83269	4,105024	3,886445	4,22759	3,662619	3,936042	3,925551333	-0,01049067	0,992754798	C230014O12Rik	
17488743	10,51449	10,60581	10,43449	10,43204	10,55978	10,53159	10,518263	10,50780333	-0,01046	0,992775901	Psmd8	
17258270	3,260138	3,286123	3,396489	3,140668	3,541153	3,22959	3,31425	3,303803667	-0,01044633	0,992785305	---	
17279893	6,070499	5,866569	5,736158	5,979143	5,809456	5,853302	5,8910753	5,880633667	-0,01044167	0,992788517	Klhl29	
17471342	9,5055	9,548304	9,51276	9,503109	9,537165	9,494984	9,522188	9,511752667	-0,01043533	0,992792875	Fkbp4	
17373661	7,731466	7,588773	7,543764	7,59873	7,65251	7,581481	7,6213343	7,610907	-0,01042733	0,99279838	Commd9	
17524958	6,41207	6,490464	6,406552	6,248228	6,456194	6,573414	6,436362	6,425945333	-0,01041667	0,99280572	Zfp810	
17548977	4,183706	4,255492	4,364894	4,100693	4,454937	4,21722	4,2680307	4,257616667	-0,010414	0,992807556	Gm4845	
17451002	5,293061	5,179236	5,399776	5,377052	5,222104	5,241691	5,290691	5,280282333	-0,01040867	0,992811226	P2rx2	
17215817	4,691292	4,848932	4,81687	4,778872	4,649905	4,897093	4,785698	4,77529	-0,010408	0,992811685	Olfr12	
17461996	5,859312	5,892827	5,880907	6,004075	5,777555	5,820217	5,877682	5,867282333	-0,01039967	0,992817419	Ift122	
17408662	10,38234	10,51926	10,38831	10,42016	10,36448	10,47409	10,42997	10,41957667	-0,01039333	0,992821778	Hipk1	
17541173	11,31369	11,30526	11,13031	11,2137	11,23064	11,27374	11,249753	11,23936	-0,01039333	0,992821778	Lamp2	
17392311	3,565615	3,772353	3,54111	3,437036	3,779667	3,631198	3,6263593	3,615967	-0,01039233	0,992822466	C630020P19Rik	
17544717	7,858593	7,713608	7,74226	7,636122	7,94405	7,703114	7,771487	7,761095333	-0,01039167	0,992822925	Tceal8	
17273714	5,931201	6,171539	6,307472	5,908388	6,189061	6,281595	6,1367373	6,126348	-0,01038933	0,99282453	Adcy3	
17519959	4,244421	4,141932	4,384549	4,30217	4,16981	4,267766	4,2569673	4,246582	-0,01038533	0,992827283	4930554C24Rik	
17447218	8,193852	8,083768	8,089424	8,115074	8,152136	8,068682	8,122348	8,111964	-0,010384	0,992828201	Mxd4	
17287086	4,570991	4,452256	4,610699	4,536961	4,410802	4,655032	4,5446487	4,534265	-0,01038367	0,99282843	A830005F24Rik	
17526038	9,814322	9,907039	9,596682	9,746331	9,749339	9,791247	9,772681	9,762305667	-0,01037533	0,992834165	Arhgef12	
17422398	5,455647	5,421885	5,636076	5,522432	5,429083	5,53097	5,504536	5,494161667	-0,01037433	0,992834853	Gm13111	
17481260	4,58863	4,523526	4,639071	4,435297	4,61263	4,672209	4,5837423	4,573378667	-0,01036367	0,992842194	Trim6	
17515248	8,285185	8,414082	8,401378	8,361057	8,350531	8,358013	8,3668817	8,356533667	-0,010348	0,992852975	Carm1	
17405174	8,461878	8,460603	8,308389	8,311792	8,521895	8,36614	8,41029	8,399942333	-0,01034767	0,992853205	Cog6	
17451649	9,139054	9,074236	9,174025	9,261507	8,988441	9,106337	9,129105	9,118761667	-0,01034333	0,992856187	Acads	
17317031	4,301064	4,188498	4,334783	4,213411	4,222202	4,357707	4,2747817	4,26444	-0,01034167	0,992857334	Samd12	
17469814	6,215231	5,929668	5,99957	6,110133	5,878559	6,124766	6,0481563	6,037819333	-0,010337	0,992860545	Atp2b2	
17444640	8,022648	8,11269	8,175023	8,015429	8,101095	8,162836	8,1034537	8,09312	-0,01033367	0,992862839	Cpsf4	
17213336	7,565714	7,71347	7,368424	7,858977	7,489252	7,268404	7,5492027	7,538877667	-0,010325	0,992868804	Bmpr2	
17208497	3,781339	4,494559	4,469176	4,652693	4,327242	3,734171	4,248358	4,238035333	-0,01032267	0,99287041	---	
17301391	5,289366	5,419185	5,520461	5,477185	5,501652	5,21922	5,4096707	5,399352333	-0,01031833	0,992873392	Gm600	
17329046	3,951766	3,817318	4,042823	3,982639	3,788639	4,009703	3,9373023	3,926993667	-0,01030867	0,992880045	Lamp3	
17530069	8,508804	8,499032	8,551222	8,356165	8,642864	8,529161	8,519686	8,509396667	-0,01028933	0,99289335	Armc8	
17260406	6,826368	6,498932	7,038828	6,803337	6,754884	6,775074	6,7880427	6,777765	-0,01027767	0,992901379	Nacad	
17330939	4,455605	4,120066	3,881534	4,06788	4,217496	4,141004	4,1524017	4,142126667	-0,010275	0,992903215	4930404A05Rik	
17473087	8,190519	8,299686	8,377975	8,245129	8,189849	8,402395	8,2893933	8,279124333	-0,010269	0,992907344	---	
17549102	5,66345	5,485594	5,791938	5,37468	5,809021	5,726477	5,646994	5,636726	-0,010268	0,992908032	---	
17241474	5,637057	5,432116	5,62869	5,295314	5,84019	5,531565	5,5659543	5,555689667	-0,01026467	0,992910326	Stox1	
17309070	9,43932	9,573533	9,470942	9,471396	9,540879	9,440756	9,4945983	9,484343667	-0,01025467	0,992917209	Dis3	
17326394	5,905185	5,954677	5,960127	5,819499	6,025263	5,944471	5,9399963	5,929744333	-0,010252	0,992919044	Filip1l	
17274376	5,966259	6,176944	6,379288	6,085711	6,465245	5,940832	6,1741637	6,163929333	-0,01023433	0,992931203	---	
17444037	7,391327	7,75844	7,672579	7,582222	7,472416	7,737015	7,6074487	7,597217667	-0,010231	0,992933497	Mafk	
17238558	8,786102	8,806481	8,820491	8,820372	8,745153	8,816876	8,804358	8,794133667	-0,01022433	0,992938086	Mmp19	
17209077	6,990834	6,454268	6,955445	6,769021	6,786714	6,81415	6,8001823	6,789961667	-0,01022067	0,992940609	---	
17350108	8,294291	8,810057	8,71042	8,352514	8,705164	8,726455	8,6049227	8,594711	-0,01021167	0,992946803	---	
17550512	4,44759	4,357396	4,169661	4,319521	4,397519	4,226974	4,3248823	4,314671333	-0,010211	0,992947262	---	
17423373	9,239334	9,173298	8,982359	9,080812	9,107466	9,176128	9,1316637	9,121468667	-0,010195	0,992958274	Fam92a	
17299454	8,441886	8,875516	8,527674	8,508122	8,609566	8,696817	8,6150253	8,6048335	-0,01019033	0,992961486	Mudeng	
17355429	5,007868	4,425086	4,803315	4,851659	4,579201	4,774866	4,745423	4,735242	-0,010181	0,99296791	1700120E14Rik	
17537458	4,430946	5,124775	4,811724	4,370804	5,157659	4,808468	4,7891483	4,778977	-0,01017133	0,992974564	Gm17361	
17324683	10,2198	10,60287	10,51079	10,24538	10,65987	10,3977	10,444487	10,43431667	-0,01017	0,992975481	---	
17481550	6,059676	6,142544	6,052699	6,193632	5,999899	6,030893	6,084973	6,074808	-0,010165	0,992978923	Olfml1	
17383347	5,79754	5,06611	5,583876	5,554546	5,447144	5,415365	5,4825087	5,472351667	-0,010157	0,992984429	2810430I11Rik	
17466168	8,827575	9,024026	8,852931	8,84129	8,877438	8,955484	8,9015107	8,891404	-0,01010667	0,993019073	Braf	
17409575	10,1181	10,2825	10,16138	10,27472	10,22033	10,03669	10,187327	10,17724667	-0,01008	0,993037428	Amy1	
17283443	4,088791	3,982074	4,042929	4,346232	3,694432	4,042929	4,0379313	4,027864333	-0,010067	0,993046376	---	
17250860	5,267246	5,123302	4,987867	5,214956	5,052409	5,080856	5,1261383	5,116073667	-0,01006467	0,993047983	---	
17203713	3,163795	3,694432	3,485844	2,733926	3,592941	3,987016	3,4480237	3,437961	-0,01006267	0,993049359	---	
17292434	5,300946	5,724268	5,651701	5,791961	5,281694	5,573081	5,5589717	5,548912	-0,01005967	0,993051424	Susd3	
17406252	13,66236	13,7619	13,70724	13,68675	13,69797	13,71663	13,7105	13,70045	-0,01005	0,993058078	Fgb	
17521887	8,44999	8,537274	8,330809	8,398407	8,472544	8,416984	8,4393577	8,429311667	-0,010046	0,993060831	Prkar2a	
17537677	5,050216	5,348118	5,350034	5,196048	5,15887	5,363325	5,249456	5,239414333	-0,01004167	0,993063814	Drp2	
17375587	4,060605	4,293818	4,527818	4,102146	4,354457	4,395568	4,2940803	4,284057	-0,01002333	0,993076434	---	
17393557	4,944946	4,674223	4,856976	4,632107	4,858518	4,955472	4,8253817	4,815365667	-0,010016	0,993081482	4930405A21Rik	

17297576	11,32189	11,32791	11,32974	11,29622	11,30658	11,34673	11,326513	11,31651	-0,01000333	0,993090201	Adk	
17267471	6,024727	6,419471	5,932405	6,191007	6,111941	6,043659	6,1255343	6,115535667	-0,00999867	0,993093413	Ppm1e	
17208611	5,426809	5,530666	6,333687	5,907198	5,792147	5,561874	5,7637207	5,753739667	-0,009981	0,993105574	---	
17387504	7,595777	7,617438	7,536426	7,414256	7,541388	7,764246	7,5832137	7,573296667	-0,009917	0,993149631	Clp1	
17239884	4,675674	4,418139	4,570554	4,587002	4,346196	4,701427	4,554789	4,544875	-0,009914	0,993151696	Gm9767	
17405420	4,330484	4,501208	4,261929	4,501208	4,30725	4,255456	4,3645403	4,354638	-0,00990233	0,993159727	Fam194a	
17535280	4,587286	4,195051	4,720288	4,530952	4,407126	4,534861	4,500875	4,490979667	-0,00989533	0,993164546	---	
17406615	6,766445	6,485384	6,719573	6,679101	6,695704	6,56693	6,657134	6,647245	-0,009889	0,993168906	Rnad1	
17271241	4,302405	4,070599	4,259558	4,391889	3,927909	4,28317	4,210854	4,200989333	-0,00986467	0,993185658	Amz2 // Amz2	
17334149	5,937815	5,813055	6,044419	5,987828	5,923667	5,854203	5,931763	5,921899333	-0,00986367	0,993186346	Prss32	
17374180	2,937093	3,077788	2,986041	2,939772	2,945445	3,08616	3,0003073	2,990459	-0,00984833	0,993196902	Olfr1283	
17234367	10,3094	10,32675	10,31317	10,28258	10,35347	10,28376	10,31644	10,30660333	-0,00983667	0,993204934	Snrpd3	
17549140	3,87238	4,000494	4,2453	4,065562	3,986242	4,036932	4,0393913	4,029578667	-0,00981267	0,993221456	---	
17392255	4,779738	4,450357	5,019176	4,6556	4,634689	4,929584	4,749757	4,739957667	-0,00979933	0,993230636	Flrt3	
17347247	6,601704	6,491605	6,391201	6,491419	6,473177	6,490532	6,4948367	6,485042667	-0,009794	0,993234308	Birc6 // Birc6	
17350492	5,931509	5,850702	5,931615	5,948301	5,961393	5,774787	5,9046087	5,894827	-0,00978167	0,993242799	Tnfaip8	
17508802	3,306174	3,481668	3,467759	3,499339	3,415741	3,311181	3,4185337	3,408753667	-0,00978	0,993243946	---	
17255348	5,798672	5,684365	5,744514	5,529035	5,722602	5,946577	5,742517	5,732738	-0,009779	0,993244634	---	
17260261	5,444172	5,341565	5,503295	5,424997	5,183022	5,651678	5,4296773	5,419899	-0,00977833	0,993245093	Camk2b	
17246299	9,204878	9,179731	9,144451	9,109844	9,168382	9,221537	9,1763533	9,166587667	-0,00976567	0,993253814	Cdk2	
17395129	5,496293	5,511991	5,363638	5,345474	5,590943	5,40622	5,4573073	5,447545667	-0,00976167	0,993256568	Mir296	
17207463	3,552427	4,675729	4,428555	3,870792	4,562988	4,193726	4,2189037	4,209168667	-0,009735	0,993274927	---	
17327311	8,61212	8,669101	8,507514	8,510688	8,622659	8,626184	8,596245	8,586510333	-0,00973467	0,993275157	Morc3	
17461203	3,812879	3,994969	3,879872	3,920365	3,903491	3,834678	3,8959067	3,886178	-0,00972867	0,993279288	---	
17532633	13,90669	14,00732	13,922	13,89561	13,91476	13,99646	13,945337	13,93561	-0,00972667	0,993280665	---	
17354898	4,756682	4,720941	5,043756	4,859734	4,83556	4,79695	4,8404597	4,830748	-0,00971167	0,993290992	2700046A07Rik	
17473971	4,352531	3,901635	3,500465	3,97242	3,97754	3,775542	3,9182103	3,908500667	-0,00970967	0,993292369	Obox1	
17250080	7,417115	7,296075	7,283927	7,106547	7,557674	7,303792	7,3323723	7,322671	-0,00970133	0,993298107	Trim58	
17286900	3,525475	3,242133	3,714177	3,37581	3,632623	3,444259	3,4939283	3,484230667	-0,00969767	0,993300631	LOC622552	
17278209	7,484696	7,303876	7,298848	7,41953	7,356219	7,282593	7,3624733	7,352780667	-0,00969267	0,993304074	Ppp4r4	
17215601	5,641815	5,532267	5,930474	5,520303	5,874144	5,681046	5,7015187	5,691831	-0,00968767	0,993307516	Gbx2 // Gbx2	
17507161	5,379228	4,859334	5,602483	5,154747	5,603106	5,054129	5,2803483	5,270660667	-0,00968767	0,993307516	Cd209a	
17219471	11,80165	11,80034	11,7821	11,76497	11,8072	11,78293	11,794697	11,78503333	-0,00966333	0,99332427	---	
17343668	6,651196	6,594516	6,747592	6,57865	6,700046	6,685624	6,6644347	6,654773333	-0,00966133	0,993325647	BC051226	
17494185	3,923891	3,964023	3,938878	3,877989	3,864741	4,05512	3,942264	3,932616667	-0,00964733	0,993335286	Olfr616	
17322934	5,553265	5,607695	5,597651	5,491157	5,508072	5,730469	5,5862037	5,576566	-0,00963767	0,993341942	---	
17530301	6,271355	6,318998	6,343632	6,128632	6,427817	6,348627	6,3113283	6,301692	-0,00963633	0,99334286	Bfsp2	
17515060	12,27179	12,42766	12,37551	12,37069	12,36256	12,31282	12,35832	12,34869	-0,00963	0,993347221	---	
17483424	6,281257	6,335533	6,564516	6,359304	6,274734	6,518419	6,3937687	6,384152333	-0,00961633	0,993356631	Fbxl19	
17444152	6,278482	6,351091	6,317534	6,204002	6,415396	6,298863	6,3157023	6,306087	-0,00961533	0,99335732	Sdk1	
17423511	3,820109	3,958501	3,70069	3,823547	3,98239	3,644556	3,8264333	3,816831	-0,00960233	0,993366271	---	
17548993	4,364287	4,360353	4,30528	4,226316	4,375705	4,399096	4,3433067	4,333705667	-0,009601	0,993367189	---	
17388414	4,985493	4,904413	4,999285	4,981778	5,116094	4,762553	4,9630637	4,953475	-0,00958867	0,993375681	---	
17219978	10,29482	10,18926	10,18288	10,05959	10,18818	10,39046	10,22232	10,21274333	-0,00957667	0,993383944	Fam36a	
17363533	5,681734	6,161973	5,840207	5,747904	5,911347	5,995945	5,894638	5,885065333	-0,00957267	0,993386698	Mamdc2	
17442568	6,727459	6,851675	6,675714	6,6639	6,896898	6,665388	6,751616	6,742062	-0,009554	0,993399551	Tctn2	
17514553	9,922215	9,97301	9,725419	9,918456	9,997646	9,675889	9,873548	9,863997	-0,009551	0,993401617	Mmp8	
17451223	5,691127	5,773155	5,895041	5,820026	5,749823	5,760864	5,786441	5,776904333	-0,00953667	0,993411486	Sez6l	
17544002	3,668674	3,490602	3,538971	3,530807	3,483366	3,655476	3,5660823	3,556549667	-0,00953267	0,993414241	Fnd3c2	
17327934	7,091426	6,983957	6,999416	7,067893	7,151024	6,8273	7,024933	7,015405667	-0,00952733	0,993417913	Nagpa	
17340669	5,130665	4,802476	5,150149	4,970627	5,139904	4,944185	5,0277633	5,018238667	-0,00952467	0,993419749	---	
17550534	13,16888	13,30368	13,25322	13,24402	13,18884	13,26443	13,241927	13,23243	-0,00949667	0,99343903	---	
17282557	5,77423	5,707364	6,165206	5,549417	6,167005	5,901892	5,8822667	5,872771333	-0,00949533	0,993439948	Tmem90a	
17549168	3,993326	3,651848	4,204805	3,984348	3,93588	3,901279	3,949993	3,940502333	-0,00949067	0,993443162	---	
17458074	9,863793	10,00137	9,852016	9,857615	9,958914	9,872185	9,9057263	9,896238	-0,00948833	0,993444768	Cul1	
17318923	4,830154	4,673738	4,667793	4,613625	4,773126	4,75647	4,723895	4,714407	-0,009488	0,993444998	Cacng2	
17206895	6,993138	6,808035	6,516396	6,898418	7,027146	6,363544	6,772523	6,763036	-0,009487	0,993445687	---	
17221148	5,410486	5,359342	5,211686	5,229967	5,313614	5,409473	5,3271713	5,317684667	-0,00948667	0,993445916	2610203C22Rik	
17321907	4,713212	4,656534	4,485008	4,642722	4,668443	4,515134	4,6182513	4,608766333	-0,009485	0,993447064	Krt75	
17414858	3,680435	3,796236	3,770681	3,753566	3,753566	3,711861	3,7491173	3,739664333	-0,009453	0,993469099	Tle1 // Tle1	
17280452	4,692995	4,699191	5,037158	4,937525	4,865156	4,598315	4,8097813	4,800332	-0,00944933	0,993471624	Sntg2	
17258527	7,218157	7,182422	7,228313	7,251147	7,074732	7,274694	7,2096307	7,200191	-0,00943967	0,993478281	Unk	
17203073	4,179851	4,768378	3,766551	4,041368	4,507294	4,137814	4,23826	4,228825333	-0,00943467	0,993481724	---	
17245272	8,817768	8,869646	8,833574	8,810791	8,879055	8,802845	8,8403293	8,830897	-0,00943233	0,993483331	Nup107	
17258683	5,632459	5,420924	5,8365	5,607044	5,654945	5,599626	5,629961	5,620538333	-0,00942267	0,993489988	Mgat5b	
17208199	5,209752	5,524532	5,941176	5,518795	6,210016	4,918394	5,5584867	5,549068333	-0,00941833	0,993492972	---	
17277934	4,035985	3,864595	4,037458	4,040596	3,993912	3,875316	3,979346	3,969941333	-0,00940467	0,993502383	Gm10432	
17352146	7,324338	7,401504	7,421364	7,367605	7,362365	7,389027	7,382402	7,372999	-0,009403	0,993503531	Pqlc1	
17372013	5,31126	5,037523	5,403626	5,402923	5,241522	5,079771	5,250803	5,241405333	-0,00939767	0,993507204	LOC329427	
17235522	6,776403	6,768647	6,799475	6,69379	6,738339	6,884239	6,7815083	6,772122667	-0,00938567	0,993515468	Thop1	
17420530	6,926701	6,463748	6,709955	6,579897	6,784777	6,707586	6,7001347	6,690753333	-0,00938133	0,993518452	Pla2g2d	
17348454	11,56277	11,40316	11,38417	11,30778	11,55324	11,46094	11,450033	11,44065333	-0,00938	0,99351937	---	
17220439	8,515781	8,813781	8,481903	8,590518	8,51683	8,675991	8,6038217	8,594446333	-0,00937533	0,993522584	Aida	
17288370	6,609068	6,687508	6,268537	6,742191	6,360096	6,434702	6,5217043	6,512329667	-0,00937467	0,993523043	Fastkd3	
17514841	6,10105	6,224055	6,084196	6,074091	6,086907	6,220217	6,1364337	6,127071667	-0,009362	0,993531766	BC017612	
17421661	5,796332	5,406367	5,761821	5,368612	5,709298	5,858534	5,65484	5,645481333	-0,00935867	0,993534061	---	
17506680	7,155844	6,916487	6,961157	6,923626	7,121672	6,96014	7,0111627	7,001812667	-0,00935	0,99354003	Gas8	
17382685	7,761713	7,718119	7,728706	7,596928	7,895744	7,68784	7,7361793	7,726837333	-0,009342	0,993545539	Rabl6	
17213509	3,1889	3,203978	3,352911	3,277749	3,214606	3,225421	3,2485963	3,239258667	-0,00933767	0,993548523	---	
17346078	8,320879	8,546597	8,423922	8,394792	8,630208	8,238388	8,430466	8,421129333	-0,00933667	0,993549212	Stap2	
17291570	8,270599	8,164798	8,069275	8,100018	8,121346	8,255345	8,168224	8,158903	-0,009321	0,993560001	Uqcrfs1	
17447379	5,875109	5,912682	5,997375	5,912682	5,986763	5,857773	5,9283887	5,919072667	-0,009316	0,993563445	Sh3tc1	
17547740	4,996718	4,787253	5,265905	4,930982	4,986352	5,104613	5,0166253	5,007315667	-0,00930967	0,993567806	Gm272	
17535418	2,960937	3,340138	3,056567	3,116753	3,126306	3,086672	3,119214	3,109910333	-0,00930367	0,993571939	---	
17376547	4,071063	4,065937	4,267388	3,908558	4,153872	4,314141	4,134796	4,125523667	-0,00927233	0,993593518	Prnd	
17455855	9,751966	9,844049	9,936352	9,865234	9,859356	9,779969	9,8441223	9,834853	-0,00926933	0,993595584	Casd1	
17334764	6,430594	6,664015	6,803461	6,691715	6,498249	6,680305	6,63269	6,623423	-0,009267	0,993597191	Ccdc78	
17217455	10,57308	10,52806	10,492	10,45547	10,50167	10,6082	10,531047	10,52178	-0,00926667	0,993597421	Adipor1	
17380096	5,08744	5,02192	5,153441	4,849649	5,198374	5,186986	5,0876003	5,078336333	-0,009264	0,993599257	---	
17312141	4,676299	4,784982	4,506312	4,529347	4,71215	4,698305	4,6558643	4,646600667	-0,00926367	0,993599487	---	
17392670	3,897973	3,906813	3,744872	3,757299	3,688233	4,076346	3,849886	3,840626	-0,00926	0,993602012	Zfp345	
17391112	7,064719	7,071716	7,109683	7,057978	7,067485	7,092884	7,0820393	7,072782333	-0,009257	0,993604078	Gabpb1	
17549688	5,97127	6,167481	6,01224	6,015761	6,015656	6,091836	6,0503303	6,041084333	-0,009246	0,993611654	---	
17233743	9,00476	9,050964	9,192705	8,914254	9,167448	9,139021	9,0828097	9,073574333	-0,00923533	0,993619	---	
17336921	6,231198	5,888186	6,041975	6,125913	5,898569	6,109176	6,0537863	6,044552667	-0,00923367	0,993620148	Ly6g6c	
17248488	4,365452	4,088595	4,493739	4,346232	4,483318	4,090601	4,3159287	4,306717	-0,00921167	0,9936353	---	
17427860	6,523736	6,351496	6,634639	6,470758	6,63356	6,378026	6,5032903	6,494114667	-0,00917567	0,993660095	Acot11	
17547670	6,382248	6,410999	6,163153	6,348858	6,257092	6,322929	6,3188	6,309626333	-0,00917367	0,993661473	---	
17372790	3,070189	2,85296	3,272278	2,926776	3,25106	2,990132	3,0651423	3,055989333	-0,009153	0,993675707	Olfr1032	
17276864	4,324112	4,31799	4,182402	4,207462	4,306314	4,283275	4,2748347	4,265683667	-0,009151	0,993677084	3830431G21Rik	
17377498	8,798141	8,661185	8,530315	8,735452	8,528948	8,697808	8,6632137	8,654069333	-0,00914433	0,993681676	Pygb	
17285825	3,453524	3,250589	3,273226	3,333412	3,146747	3,469774	3,3257797	3,316644333	-0,00913533	0,993687875	Hist1h3f	
17508986	4,414061	4,414618	4,14685	4,413647	4,259498	4,275083	4,3251763	4,316076	-0,00910033	0,993711982	Triml1	
17285757	3,552334	3,5804	3,501645	3,731648	3,363163	3,512289	3,544793	3,5357	-0,009093	0,993717034	Vmn1r196	
17225624	5,248537	4,840947	5,375908	5,165588	5,069014	5,203531	5,1551307	5,146044333	-0,00908633	0,993721626	5033417F24Rik	
17265449	3,601137	3,816854	3,889484	3,783223	3,929465	3,567554	3,7691583	3,760080667	-0,00907767	0,993727595	---	
17318160	7,131428	6,825931	7,205054	7,033179	7,195148	6,906897	7,0541377	7,045074667	-0,009063	0,993737698	Mafa	
17502860	5,824913	6,179644	5,813187	5,734101	5,988138	6,068361	5,939248	5,9302	-0,009048	0,99374803	Rnf150	
17439555	3,71249	3,784859	4,097643	3,823385	3,638985	4,105515	3,8649973	3,855961667	-0,00903567	0,993756525	---	
17451629	7,024826	7,125743	7,081039	7,130718	7,144913	6,928892	7,0772027	7,068174333	-0,00902833	0,993761576	Hnf1a	
17343915	3,894744	4,102842	3,808312	3,89276	4,026277	3,859779	3,9352993	3,926272	-0,00902733	0,993762265	---	
17532569	6,106128	6,694088	6,875242	6,414838	6,731637	6,501911	6,558486	6,549462	-0,009024	0,993764561	Ccr1	
17435130	9,465177	9,41368	9,413942	9,350174	9,473125	9,442457	9,430933	9,421918667	-0,00901433	0,99377122	Pmpcb	
17400198	7,151015	7,252872	7,321243	7,380869	7,192057	7,125173	7,24171	7,232699667	-0,00901033	0,993773975	Pi4kb	
17390186	8,413517	8,592393	8,424741	8,468157	8,546811	8,388674	8,4768837	8,467880667	-0,009003	0,993779027	Tmem87a	
17433251	8,439623	8,503434	8,679455	8,75749	8,52999	8,308052	8,5408373	8,531844	-0,00899333	0,993785686	H6pd	
17514377	3,112325	3,20734	2,932392	3,04427	3,049724	3,13109	3,084019	3,075028	-0,008991	0,993787293	---	
17322287	4,316073	4,421473	4,642666	4,322746	4,534915	4,495605	4,4600707	4,451088667	-0,008982	0,993793492	Mir688	
17489289	5,912092	5,856792	5,969894	5,45309	6,317229	5,941579	5,912926	5,903966	-0,00896	0,993808647	Gapdhs	
17471966	3,673283	3,703763	3,336625	3,531699	3,771569	3,383528	3,5712237	3,562265333	-0,00895833	0,993809795	Tas2r109	
17541343	6,221994	6,434298	6,276716	6,309577	6,317598	6,278964	6,3110027	6,302046333	-0,00895633	0,993811173	Smarca1	
17524746	3,554052	3,075441	3,178989	3,480927	3,000492	3,300214	3,269494	3,260544333	-0,00894967	0,993815765	Mir1946b // Mir1946b	
17544939	6,228952	6,333553	6,244328	6,386984	6,262456	6,130551	6,2689443	6,259997	-0,00894733	0,993817373	Tsc22d3	
17339079	6,973267	7,252693	7,065909	7,011471	7,08643	7,167133	7,0972897	7,088344667	-0,008945	0,99381898	---	
17288423	3,154675	3,011879	3,182003	3,263919	2,952126	3,10572	3,1161857	3,107255	-0,00893067	0,993828854	---	
17431703	4,973942	5,116023	4,745215	4,900527	5,072712	4,835164	4,94506	4,936134333	-0,00892567	0,993832298	---	
17354703	7,430273	7,497528	7,385756	7,421626	7,425929	7,439248	7,4378523	7,428934333	-0,008918	0,99383758	Hmgxb3	
17277170	7,333349	6,932894	7,093723	7,326508	6,87182	7,13492	7,1199887	7,111082667	-0,008906	0,993845846	Acot6	
17372912	4,09843	3,593886	3,794966	3,868052	3,819107	3,773414	3,829094	3,820191	-0,008903	0,993847913	Olfr1188	
17274405	5,418564	5,768386	5,470127	6,049726	5,042604	5,538046	5,552359	5,543458667	-0,00890033	0,99384975	Gm19924	
17328508	7,271582	7,211834	6,87528	6,973751	7,22383	7,134421	7,1195653	7,110667333	-0,008898	0,993851357	Fgd4	
17249515	5,377811	5,205559	5,506876	5,175667	5,608475	5,279422	5,3634153	5,354521333	-0,008894	0,993854113	Gdf9	
17473999	3,698677	3,567345	3,657569	3,588534	3,538135	3,770244	3,641197	3,632304333	-0,00889267	0,993855031	Crxos1	
17396255	4,649096	5,121804	4,431566	4,693402	4,811279	4,67112	4,7341553	4,725267	-0,00888833	0,993858016	Papd5 // Papd5	

17238449	7,865417	8,003399	8,081341	8,051446	7,961547	7,910503	7,9833857	7,974498667	-0,008887	0,993858935	Ankrd52
17317717	4,211622	4,095674	4,397852	4,213408	4,213463	4,251642	4,2350493	4,226171	-0,00887833	0,993864905	Fam135b
17487276	7,918815	7,971232	7,956428	7,89581	8,024046	7,900008	7,948825	7,939954667	-0,00887033	0,993870416	Ppp1r37
17413526	4,350364	4,43156	4,517621	4,591502	4,217175	4,464261	4,4331817	4,424312667	-0,008869	0,993871335	Gm12504 // Gm12504
17530233	8,12598	8,125721	8,103172	8,073553	8,185128	8,069586	8,118291	8,109422333	-0,00886867	0,993871565	Srprb
17287381	7,603907	7,806869	7,623377	7,648497	7,691958	7,667101	7,678051	7,669185333	-0,00886567	0,993873631	Syk
17545706	3,565635	3,434978	3,424248	3,770228	3,325668	3,302422	3,4749537	3,466106	-0,00884767	0,993886032	---
17249950	8,586819	8,65827	8,379077	8,446645	8,579268	8,571745	8,5413887	8,532552667	-0,008836	0,993894069	Cnot8
17496146	13,13702	13,13423	13,15627	13,1224	13,13116	13,14746	13,142507	13,13367333	-0,00883333	0,993895906	Rpl21 // Rpl21
17452456	6,670125	6,657405	6,593321	6,565277	6,719897	6,609195	6,6402837	6,631456333	-0,00882733	0,99390004	Camkk2
17465108	5,607759	5,293768	5,531109	5,596067	5,380003	5,430116	5,4775453	5,468728667	-0,00881667	0,993907388	Fezf1
17529575	5,464786	5,729126	5,54231	5,473386	5,4917	5,74469	5,5787407	5,569925333	-0,00881533	0,993908307	Bcl2a1d
17475818	7,835358	8,26652	7,868749	8,02281	8,077343	7,844097	7,990209	7,981416667	-0,00879233	0,993924152	LOC100302567
17394928	7,060897	7,341593	7,149311	7,020936	7,269095	7,235414	7,1839337	7,175148333	-0,00878533	0,993928975	Zfp217
17256743	5,96352	6,034278	6,072742	5,909143	5,974602	6,160463	6,0235133	6,014736	-0,00877733	0,993934486	Rnd2
17313248	4,419964	4,145998	4,684215	4,458351	4,50107	4,264425	4,4167257	4,407948667	-0,008777	0,993934716	4930483J18Rik
17481057	5,267493	5,471414	5,656589	5,449316	5,538952	5,380903	5,4651653	5,456390333	-0,008775	0,993936094	Art1
17473832	8,972818	9,050369	9,122171	9,058257	9,003098	9,057766	9,0484527	9,039707	-0,00874567	0,993956303	Trim28
17248355	3,773321	3,96559	3,972913	3,887407	3,687764	4,110489	3,9039413	3,89522	-0,00872133	0,993973068	---
17340702	5,442589	5,635883	5,682186	5,550492	5,585347	5,59866	5,586886	5,578166333	-0,00871967	0,993974216	Rsph3a
17469572	7,585574	7,519465	7,545233	7,481921	7,606226	7,535974	7,5500907	7,541373667	-0,008717	0,993976053	Sumf1
17420154	6,765949	6,428477	6,676769	6,629867	6,737	6,478189	6,6237317	6,615018667	-0,008713	0,993978809	Wnt4
17504350	8,022072	8,135791	8,069846	7,978372	8,163871	8,059327	8,075903	8,06719	-0,008713	0,993978809	Setd6
17215647	6,679338	6,462949	6,508697	6,564849	6,671927	6,388072	6,550328	6,541616	-0,008712	0,993979498	Prlh
17412144	8,487096	8,618694	8,491769	8,492216	8,528074	8,551163	8,5325197	8,523817667	-0,008702	0,993986388	Usp45
17207823	6,76858	6,020179	6,563738	6,326944	6,694148	6,305323	6,4508323	6,442138333	-0,008694	0,9939919	---
17417090	6,128422	5,983127	6,203965	6,021661	6,067277	6,200542	6,1051713	6,096493333	-0,008678	0,994002923	Gm12824
17358227	7,526451	7,535006	7,308512	7,44474	7,383159	7,516039	7,4566563	7,447979333	-0,008677	0,994003612	Ptar1
17342676	7,452253	7,556436	7,548008	7,51022	7,393424	7,627047	7,518899	7,510230333	-0,00866867	0,994009354	Bak1
17324576	4,965875	5,101822	5,519391	5,2531	5,161437	5,146555	5,195696	5,187030667	-0,00866533	0,994011651	Hrasls
17248080	7,401066	8,181674	7,972627	7,843534	7,859152	7,826687	7,851789	7,843124333	-0,00866467	0,99401211	---
17220765	7,597405	8,030201	7,968344	7,736702	7,705574	8,127697	7,8653167	7,856657667	-0,008659	0,994016014	---
17370337	4,045419	3,566683	3,29419	3,765311	3,365903	3,749144	3,6354307	3,626786	-0,00864467	0,99402589	Olfr344
17296483	4,97608	4,618379	4,622343	4,709032	4,768772	4,713076	4,738934	4,730293333	-0,00864067	0,994028646	Fgf10
17251840	6,438915	6,394903	6,338057	6,347884	6,454336	6,343739	6,390625	6,381986333	-0,00863867	0,994030024	Ctdnep1
17316495	8,818352	8,662607	8,770225	8,590666	8,847858	8,786801	8,7503947	8,741775	-0,00861967	0,994043115	Ankrd46
17301590	4,220659	4,249997	4,048286	4,156311	4,177487	4,159369	4,1729807	4,164389	-0,00859167	0,994062408	Nefm
17494451	4,31249	3,984285	4,013361	4,152391	4,029319	4,102665	4,1033787	4,094791667	-0,008587	0,994065624	Olfr670
17387918	3,045325	3,309036	3,312183	3,193151	3,381486	3,066153	3,2221813	3,213596667	-0,00858467	0,994067231	Olfr1229
17286308	3,804191	3,539769	3,865052	3,74608	3,924048	3,513196	3,7363373	3,727774667	-0,00856267	0,99408239	---
17540178	8,550515	8,537136	8,461423	8,503193	8,488502	8,531748	8,516358	8,507814333	-0,00854367	0,994095482	Dynlt3
17542211	3,137965	3,38234	3,152339	3,234303	3,285979	3,126743	3,2242147	3,215675	-0,00853967	0,994098238	Mir452
17285797	4,072235	4,174932	3,978331	4,177027	4,011427	4,011427	4,075166	4,066627	-0,008539	0,994098698	Vmn1r218
17254927	4,90286	4,914111	4,624409	4,659718	4,867162	4,888967	4,8137933	4,805282333	-0,008511	0,994117991	---
17359796	6,683676	6,224728	6,528133	6,551033	6,415023	6,444962	6,4788457	6,470339333	-0,00850633	0,994121207	Lzts2
17281565	6,545837	6,41356	6,581738	6,378208	6,646759	6,49068	6,5137117	6,505215667	-0,008496	0,994128328	Arf6
17516271	3,788274	3,492576	3,669014	3,4585	3,883686	3,582198	3,6499547	3,641461333	-0,00849333	0,994130165	Olfr960
17428066	8,453978	8,610546	8,442871	8,523081	8,378347	8,580524	8,502465	8,493984	-0,008481	0,994138664	Prpf38a
17202967	5,481125	6,135197	6,529738	6,814605	5,561313	5,744707	6,0486867	6,040208333	-0,00847833	0,994140501	---
17244620	3,965656	4,132811	4,457581	4,068963	4,384293	4,077402	4,1853493	4,176886	-0,00846333	0,994150838	---
17465246	8,028691	7,985925	7,980422	8,020017	8,016665	7,932978	7,998346	7,989886667	-0,00845933	0,994153594	Pot1a
17532603	13,87217	13,91352	13,83336	13,81481	13,87615	13,90274	13,873017	13,86456667	-0,00845	0,994160026	---
17358363	4,2851	4,449049	4,737533	4,643668	4,3948	4,407878	4,4905607	4,482115333	-0,00844533	0,994163241	Dmrt3
17402936	9,097513	9,207197	9,126428	9,149475	9,124746	9,131603	9,1437127	9,135274667	-0,008438	0,994168295	Slc39a8
17291031	4,968722	4,786739	5,104673	4,842272	5,036316	4,956235	4,953378	4,944941	-0,008437	0,994168984	Prss16
17301708	4,345711	4,411234	4,502227	4,276977	4,500908	4,455984	4,419724	4,411289667	-0,00843433	0,994170822	Pebp4
17428427	5,418722	5,343605	5,766466	5,696324	5,381869	5,425317	5,5095977	5,50117	-0,00842767	0,994175416	Foxe3
17392399	7,886846	8,039175	7,787632	7,94351	7,969015	7,775911	7,904551	7,896145333	-0,00840567	0,994190576	---
17424493	10,09669	10,24661	10,05695	9,965941	10,19993	10,2092	10,133417	10,12502367	-0,008393	0,994199305	Vcp
17352343	3,045971	3,072327	3,034233	2,981398	3,070063	3,075904	3,0508437	3,042455	-0,00838867	0,994202291	---
17248839	3,863564	3,556666	3,891851	3,821723	3,832167	3,633119	3,7706937	3,762336333	-0,00835733	0,994223884	BC053393 // BC053393
17236470	9,282716	9,450917	9,593903	9,385085	9,390792	9,526621	9,442512	9,434166	-0,008346	0,994231695	---
17468286	5,581746	5,66452	6,200778	5,802941	5,861225	5,757863	5,8156813	5,807343	-0,00833833	0,994236978	Cyp26b1
17284866	4,471068	4,289491	4,563076	4,37009	4,48046	4,448085	4,4412117	4,432878333	-0,00833333	0,994240424	2810429I04Rik
17317203	10,32615	10,5159	10,4112	10,37863	10,41727	10,43235	10,41775	10,40941667	-0,00833333	0,994240424	Derl1
17341843	5,546571	5,63283	5,627927	5,663625	5,385558	5,733146	5,6024427	5,594109667	-0,008333	0,994240654	Dnase1l2
17474852	3,88875	3,389548	3,517642	3,535231	3,800653	3,435099	3,5986467	3,590327667	-0,008319	0,994250302	Vmn1r172
17203223	3,842234	3,124729	3,231968	3,4221	3,450514	3,301364	3,3996437	3,391326	-0,00831767	0,994251221	---
17243093	7,897377	7,960027	7,947463	8,003188	7,748341	8,028398	7,9349557	7,926642333	-0,00831333	0,994254207	Plekhj1
17461868	4,974142	4,732918	5,10035	4,936171	4,667164	5,179145	4,9358033	4,927493333	-0,00831	0,994256504	Slc6a1
17544960	8,370869	8,503033	8,30171	8,329884	8,388745	8,432058	8,3918707	8,383562333	-0,00830833	0,994257653	Psmd10
17387368	4,075715	4,164529	4,308129	4,25741	4,005314	4,260767	4,182791	4,174497	-0,008294	0,994267531	Itgav // Itgav
17472952	3,941531	3,601789	3,880317	3,925806	3,888046	3,584982	3,807879	3,799611333	-0,00826767	0,994285679	---
17351511	8,495722	8,518921	8,437968	8,465138	8,56284	8,399831	8,4842037	8,475936333	-0,00826733	0,994285909	Cep192
17455476	9,317413	9,328619	9,36759	9,30972	9,33534	9,343761	9,337874	9,329607	-0,008267	0,994286139	Hmgb1
17414416	7,366107	7,375491	7,462469	7,374646	7,407922	7,396729	7,4013557	7,393099	-0,00825667	0,99429326	Dnajc25
17451622	5,590934	5,316845	5,45325	5,731244	5,162416	5,442621	5,4536763	5,445427	-0,00824933	0,994298315	---
17279297	3,257136	3,128229	3,201302	3,30983	3,148654	3,103442	3,1955557	3,187308667	-0,008247	0,994299923	Mir203
17202489	6,20374	5,982288	6,541652	6,437736	5,971582	6,293676	6,24256	6,234331333	-0,00822867	0,994312558	---
17249260	4,431984	4,532982	4,047935	4,36547	4,211257	4,411545	4,3376337	4,329424	-0,00820967	0,994325653	---
17537742	6,019156	6,037651	5,851223	6,000182	5,869873	6,013369	5,9693433	5,961141333	-0,008202	0,994330937	Armcx1
17414406	3,553003	3,818958	3,526101	3,520272	3,647144	3,706047	3,6326873	3,624487667	-0,00819967	0,994332545	---
17429234	6,095874	6,325995	6,547305	6,302629	6,344027	6,29795	6,323058	6,314868667	-0,00818933	0,994339667	Tmem125
17220432	7,98968	7,710833	7,517895	7,85562	7,690648	7,647727	7,7394693	7,731331667	-0,00813767	0,994375278	Tlr5
17534154	5,071182	4,673095	4,575821	4,777598	4,297377	5,22071	4,773366	4,765228333	-0,00813767	0,994375278	---
17499932	9,332797	9,08682	9,256683	9,150642	9,317616	9,183649	9,2254333	9,217302333	-0,008131	0,994379873	Slc20a2
17476036	6,81367	6,592298	6,544814	6,803337	6,595272	6,527786	6,6502607	6,642131667	-0,008129	0,994381251	Map4k1
17447091	9,813042	10,12066	9,557749	9,652228	9,886215	9,928624	9,8304837	9,822355667	-0,008128	0,99438194	---
17371661	9,120503	9,180823	9,082097	9,131622	9,101818	9,125623	9,1278077	9,119687667	-0,00812	0,994387454	Gorasp2
17421545	5,386762	5,153248	5,359066	5,493773	5,158305	5,222641	5,299692	5,291573	-0,008119	0,994388144	Nppa
17320389	6,102051	6,214462	6,19389	6,288701	6,252775	5,944589	6,1701343	6,162021667	-0,00811267	0,994392509	Fam116b
17543038	3,450941	3,54291	3,913897	3,861723	3,172419	3,849275	3,635916	3,627805667	-0,00811033	0,994394117	---
17407742	4,592065	4,371027	4,443869	4,669694	4,404252	4,308743	4,468987	4,460896333	-0,00809067	0,994407673	Gm128
17473495	8,477334	8,592157	8,696778	8,561466	8,66489	8,51568	8,5887563	8,580678667	-0,00807767	0,994416633	Epn1
17292258	6,366899	6,258905	6,672143	6,313334	6,530885	6,429513	6,432649	6,424577333	-0,00807167	0,994420769	Nhlrc1
17362476	5,980877	5,981338	6,082702	6,183612	6,148241	5,688853	6,0149723	6,006902	-0,00807033	0,994421688	Taf6l
17362044	5,432751	5,5781	5,568306	5,667144	5,409961	5,477855	5,5263857	5,51832	-0,00806567	0,994424905	---
17294352	5,069513	4,982969	5,287959	5,073927	5,259487	4,982848	5,1134803	5,105420667	-0,00805967	0,99442904	Ahrr
17403013	7,230996	7,209665	7,110494	7,22155	7,141479	7,163957	7,1837183	7,175662	-0,00805633	0,994431338	Dnajb14
17550669	7,81321	7,780721	8,046407	7,792149	7,990868	7,833153	7,8801127	7,872056667	-0,008056	0,994431568	---
17461124	9,24254	9,149952	9,179187	9,20038	9,230907	9,11623	9,1905597	9,182505667	-0,008054	0,994432946	Arl6ip5
17246790	5,523743	5,387797	5,533595	5,480652	5,619446	5,320932	5,4817117	5,473676667	-0,008035	0,994446043	Gatsl3
17514355	9,153883	9,086662	8,898811	9,156451	8,987492	8,971323	9,046452	9,038422	-0,00803	0,994449489	---
17419131	6,227238	6,250158	6,201683	6,295831	6,105677	6,253514	6,2263597	6,218340667	-0,008019	0,994457072	Col16a1
17240288	3,46736	3,622992	3,466419	3,503678	3,449588	3,579449	3,5189237	3,510905	-0,00801867	0,994457302	---
17547933	7,762746	7,67639	7,655103	7,416722	7,926684	7,726799	7,6980797	7,690068333	-0,00801133	0,994462356	Bod1 // Bod1
17206231	5,08489	4,945924	5,598628	5,365391	5,469105	4,770916	5,209814	5,201804	-0,00801	0,994463276	---
17212442	5,349389	5,127248	5,402695	5,19451	5,376476	5,284317	5,2931107	5,285101	-0,00800967	0,994463505	Gulp1
17471954	3,337799	3,219668	3,337457	3,239803	3,120449	3,510663	3,298308	3,290305	-0,008003	0,994468101	Tas2r122
17432347	5,674497	5,777151	5,831855	5,77012	5,839987	5,649407	5,7611677	5,753171333	-0,00799633	0,994472696	Fhad1
17525090	3,842163	3,819888	3,858818	3,742916	3,926667	3,82742	3,8402897	3,832334333	-0,00795533	0,994500959	Glb1l2
17253739	5,856953	5,730986	6,072188	6,152941	5,679186	5,804191	5,886709	5,878772667	-0,00793633	0,994514056	Gm11201
17394727	7,039048	6,882638	6,903894	6,981423	7,011736	6,808616	6,94186	6,933925	-0,007935	0,994514975	Tmem189
17513281	5,466776	5,435213	5,566856	5,564702	5,383383	5,497007	5,489615	5,481697333	-0,00791767	0,994526924	---
17363046	3,573153	3,374391	3,528542	3,521041	3,430279	3,501048	3,4920287	3,484122667	-0,007906	0,994534966	Olfr1418
17434210	6,401405	6,505116	6,729182	6,88755	6,366359	6,358094	6,5452343	6,537334333	-0,0079	0,994539102	Ccl27b
17261289	4,772047	4,926557	5,164561	4,679602	5,115306	5,044566	4,9543883	4,946491333	-0,007897	0,994541171	Eml6
17477988	9,525244	9,422414	9,621869	9,518744	9,589207	9,437911	9,5231757	9,515287333	-0,00788833	0,994547145	Rpl18
17361522	8,857886	8,823528	8,798618	8,690728	8,820204	8,945473	8,8266773	8,818801667	-0,00787567	0,994555877	Sf3b2
17519130	8,72817	8,890106	8,784126	8,760283	8,794435	8,82408	8,8008007	8,792932667	-0,007868	0,994561162	Zfp280d
17264865	13,78737	13,8312	13,82845	13,81873	13,79083	13,81388	13,815673	13,80781333	-0,00786	0,994566677	Eif4a1
17278801	3,727441	3,807454	4,165859	3,977623	4,07581	3,62375	3,9002513	3,892394333	-0,007857	0,994568745	---
17521422	8,34113	8,467301	8,344709	8,390158	8,367825	8,371626	8,38438	8,376536333	-0,00784367	0,994577937	Hyal2
17472159	4,987902	5,378059	5,546696	4,951517	5,492243	5,445375	5,304219	5,296378333	-0,00784067	0,994580005	Hist4h4
17507277	9,615215	9,650504	9,712084	9,627193	9,684916	9,642218	9,6592677	9,651442333	-0,00782533	0,994590576	Elavl1
17407466	3,232488	3,563611	3,447535	3,543061	3,405095	3,272018	3,4145447	3,406724667	-0,00782	0,994594253	Lce1i
17481680	9,311049	9,43527	9,478167	9,491819	9,44778	9,261497	9,408162	9,400365333	-0,00779667	0,994610339	Snora3
17240538	6,78888	6,808619	6,594554	6,630675	6,783069	6,754951	6,7306843	6,722898333	-0,007786	0,994617693	Lace1
17499857	8,724728	8,854856	8,63272	8,729313	8,61885	8,84081	8,7374347	8,729657667	-0,007777	0,994623898	Vps36
17285456	9,144159	9,191946	9,19727	9,109967	9,268677	9,131409	9,1777917	9,170017667	-0,007774	0,994625966	Vps41
17550362	3,510826	3,456373	3,558062	3,476777	3,568533	3,45664	3,5084203	3,50065	-0,00777033	0,994628494	---
17327580	5,187421	5,30476	5,265862	5,333998	5,107278	5,29346	5,252681	5,244912	-0,007769	0,994629413	Mefv
17367376	4,51418	4,486298	4,587089	4,474759	4,580229	4,509272	4,529189	4,52142	-0,007769	0,994629413	Ptf1a
17408444	6,194719	6,422193	6,209997	6,235638	6,255835	6,31213	6,2756363	6,267867667	-0,00776867	0,994629643	Ttf2

17245095	9,914383	9,965873	9,922121	9,88171	9,93423	9,963137	9,9341257	9,926359	-0,00776667	0,994631022	Cnot2	
17212229	5,29359	5,195173	5,191303	5,202713	5,232955	5,221122	5,2266887	5,21893	-0,00775867	0,994636537	Il18r1	
17305105	4,855206	4,441994	4,668056	4,609876	4,720868	4,611282	4,6550853	4,647342	-0,00774333	0,994647108	4930596D02Rik	
17460545	8,087266	7,953648	7,859404	8,290627	8,017023	7,569446	7,9667727	7,959032	-0,00774067	0,994648947	Bmp10	
17322087	5,192559	5,010015	5,350353	5,188315	5,091003	5,250397	5,184309	5,176571667	-0,00773733	0,994651245	Krt79	
17380240	3,806514	3,608335	3,52187	3,526484	3,686649	3,700435	3,645573	3,637856	-0,007717	0,994665264	---	
17361617	6,835948	7,084493	7,084583	7,028552	6,916228	7,037101	7,0016747	6,993960333	-0,00771433	0,994667102	Mus81	
17504649	8,172709	8,307782	8,053185	8,002153	8,209223	8,299158	8,177892	8,170178	-0,007714	0,994667332	Cbfb	
17270369	8,487581	8,576311	8,527343	8,483455	8,613857	8,470782	8,5304117	8,522698	-0,00771367	0,994667562	Kif18b	
17268493	8,22693	8,269496	8,26503	8,276855	8,251493	8,209993	8,2538187	8,246113667	-0,007705	0,994673537	Npepps	
17449561	9,153185	9,558782	9,917156	9,429452	9,790656	9,385909	9,543041	9,535339	-0,007702	0,994675606	---	
17331516	4,473794	4,534143	4,175098	4,206867	4,535686	4,417381	4,394345	4,386644667	-0,00770033	0,994676755	Mir691	
17436345	7,865674	7,749755	7,838233	7,951457	7,589159	7,889949	7,8178873	7,810188333	-0,007699	0,994677674	Depdc5	
17261250	7,935854	8,017839	7,853989	7,863896	7,91868	8,002048	7,935894	7,928208	-0,007686	0,994686637	Ccdc104	
17411594	8,028092	8,179021	7,706035	7,912586	7,948665	8,028854	7,9710493	7,963368333	-0,007681	0,994690084	Ubxn2b	
17310548	3,12789	3,174774	3,054029	3,136099	3,015644	3,18194	3,1188977	3,111227667	-0,00767	0,994697668	---	
17229948	6,057714	6,065061	6,65807	6,069533	6,595633	6,092715	6,2602817	6,252627	-0,00765467	0,99470824	Dusp23	
17550414	8,001017	8,01757	7,994275	7,926209	8,147316	7,916417	8,0042873	7,996647333	-0,00764	0,994718353	---	
17336422	4,573007	4,101706	4,493739	4,523136	4,456864	4,165556	4,389484	4,381852	-0,007632	0,994723869	H2-DMb1	
17526956	6,209351	5,947527	5,97739	5,998706	6,077241	6,035445	6,044756	6,037130667	-0,00762533	0,994728465	Layn	
17315422	4,872725	5,008411	5,044064	4,959322	4,966179	4,976854	4,9750667	4,967451667	-0,007615	0,99473559	Amhr2	
17208235	6,83817	6,949346	7,541691	7,075399	7,100635	7,130371	7,1097357	7,102135	-0,00760067	0,994745473	---	
17239757	4,134299	4,128548	4,221685	4,195355	4,189605	4,076798	4,1615107	4,153919333	-0,00759133	0,994751908	Taar6	
17389740	7,961926	8,035751	8,049746	8,037807	8,141776	7,845143	8,0158077	8,008242	-0,00756567	0,994769606	Plcb2	
17290353	7,472932	7,791152	7,586769	7,536337	7,725207	7,566613	7,616951	7,609385667	-0,00756533	0,994769836	Gm10029	
17377734	4,513509	4,421873	4,407154	4,477349	4,343199	4,499302	4,447512	4,43995	-0,007562	0,994772134	Defb21	
17460861	8,176597	8,156487	8,313306	8,310619	8,228354	8,084758	8,2154633	8,207910333	-0,007553	0,99477834	Slc41a3	
17205519	5,123908	4,882049	4,814972	5,244508	4,958378	4,595417	4,9403097	4,932767667	-0,007542	0,994785925	---	
17370787	3,023191	2,88486	2,899907	2,925121	2,953861	2,906391	2,935986	2,928457667	-0,00752833	0,994795348	---	
17382224	4,288971	4,393315	4,382451	4,39105	4,290223	4,360884	4,3549123	4,347385667	-0,00752667	0,994796498	Pax8	
17484460	4,293894	4,758165	4,728384	4,540666	4,524594	4,692621	4,593481	4,585960333	-0,00752067	0,994800635	---	
17302333	3,465884	3,335956	3,189692	3,302303	3,412034	3,254635	3,3305107	3,322990667	-0,00752	0,994801095	4930474H20Rik	
17265384	10,65858	10,78648	10,77502	10,84297	10,75606	10,59852	10,740027	10,73251667	-0,00751	0,99480799	---	
17222465	6,417625	6,455235	6,300424	6,188631	6,380949	6,581185	6,3910947	6,383588333	-0,00750633	0,994810518	Aff3	
17267804	9,263853	9,456517	9,344119	9,349952	9,377787	9,314301	9,3548297	9,347346667	-0,007483	0,994826608	Nme1	
17434510	6,854105	7,255177	6,992742	7,125038	6,796169	7,15841	7,034008	7,026539	-0,007469	0,994836262	Slc25a40	
17264317	3,929869	3,960391	3,966766	4,125069	3,900393	3,809276	3,952342	3,944912667	-0,00742933	0,994863615	---	
17204419	5,990484	5,15027	5,375891	5,080586	5,713389	5,700405	5,5055483	5,498126667	-0,00742167	0,994868902	---	
17494240	4,295897	4,456573	4,431076	4,256001	4,468417	4,436885	4,3945153	4,387101	-0,00741433	0,994873959	Hbb-bh1	
17418732	5,435662	5,370892	5,338126	5,30842	5,388757	5,425266	5,38156	5,374147667	-0,00741233	0,994875338	Dlgap3	
17286210	8,182192	7,67064	8,378486	8,222411	7,999811	7,986872	8,077106	8,069698	-0,007408	0,994878326	---	
17534299	5,855654	5,790838	5,789271	5,725238	5,903734	5,784571	5,811921	5,804514333	-0,00740667	0,994879246	Rhox6	
17481227	3,677922	3,631458	3,429542	3,423962	3,780235	3,51254	3,5796407	3,572245667	-0,007395	0,994887291	Olfr628	
17326105	4,00245	3,982173	4,002554	4,033609	3,937998	3,993418	3,9957257	3,988341667	-0,007384	0,994894877	Myh15	
17516294	3,910785	3,658195	3,976726	3,760148	3,96173	3,801751	3,8485687	3,841209667	-0,007359	0,994912117	Olfr974	
17546917	5,917295	5,763958	5,981651	5,779602	5,922392	5,938845	5,8876347	5,880279667	-0,007355	0,994914876	Sry	
17399895	4,177485	4,143203	4,667133	4,417626	4,263865	4,284287	4,3292737	4,321926	-0,00734767	0,994919933	Sprr2k	
17529076	9,076142	9,169567	8,973534	9,080308	8,941849	9,175046	9,073081	9,065734333	-0,00734667	0,994920623	Slc17a5	
17470313	5,690601	5,477772	5,631412	5,615193	5,617594	5,545054	5,5999283	5,592613667	-0,00731467	0,994942691	Wnt5b	
17308757	11,41552	11,77623	11,61891	11,63895	11,49549	11,65428	11,603553	11,59624	-0,00731333	0,99494361	---	
17515819	8,79878	8,821618	8,612078	8,858673	8,607534	8,744347	8,7441587	8,736851333	-0,00730733	0,994947748	Ets1	
17331162	5,910118	5,812933	6,051538	5,829714	5,841867	6,081095	5,924863	5,917558667	-0,00730433	0,994949817	Col8a1	
17551069	9,111409	9,064112	8,961144	8,960484	8,988615	9,165699	9,045555	9,038266	-0,007289	0,994960392	---	
17408863	11,04263	11,08469	10,90781	10,91426	11,00707	11,09194	11,01171	11,00442333	-0,00728667	0,994962001	Atp5f1	
17351842	8,509541	8,472948	8,446722	8,477381	8,316909	8,613123	8,4764037	8,469137667	-0,007266	0,994976254	Dym	
17385371	4,327434	4,427609	4,290175	4,507328	4,205242	4,310894	4,348406	4,341154667	-0,00725133	0,994986369	Kcnj3	
17303769	5,311174	5,529415	5,419911	5,387454	5,407029	5,444273	5,4201667	5,412918667	-0,007248	0,994988668	Ttc18	
17246825	7,619252	7,617729	7,544464	7,529623	7,580681	7,649404	7,593815	7,586569333	-0,00724567	0,994990277	Ascc2	
17461189	6,131736	5,665529	5,860094	5,971904	5,891075	5,772649	5,8857863	5,878542667	-0,00724367	0,994991657	---	
17411103	8,352865	8,080611	8,005803	8,189327	7,927427	8,300841	8,1464263	8,139198333	-0,007228	0,995002462	Lphn2	
17488713	6,94989	6,70017	6,881743	6,699312	7,030571	6,780241	6,8439343	6,836708	-0,00722633	0,995003611	Mir1963	
17539210	8,984345	8,917831	8,75096	8,72402	9,008943	8,898495	8,8843787	8,877152667	-0,007226	0,995003841	Sh3kbp1	
17447017	8,662346	8,673658	8,700966	8,661304	8,625073	8,728946	8,67899	8,671774333	-0,00721567	0,995010968	Rbks	
17300195	6,333294	6,055145	6,203485	6,196588	6,415328	5,958391	6,197308	6,190102333	-0,00720567	0,995017865	---	
17291953	6,913947	6,79452	6,716763	6,695616	6,905877	6,802145	6,80841	6,801212667	-0,00719733	0,995023612	Muted	
17459463	8,409983	8,182807	8,263753	8,128634	8,38881	8,317618	8,2855143	8,278354	-0,00716033	0,995049131	Krcc1	
17467250	10,20822	10,33225	10,16669	10,18502	10,25923	10,24145	10,23572	10,22856667	-0,00715333	0,995053959	Snca	
17384572	3,187507	3,537063	3,411568	3,428824	3,46546	3,220397	3,3787127	3,371560333	-0,00715233	0,995054649	Olfr361	
17544691	8,871882	8,303237	8,173398	8,278753	8,471569	8,576823	8,4495057	8,442381667	-0,007124	0,995074191	Bex2	
17351111	10,05858	10,12883	9,974994	10,11815	10,00621	10,01668	10,054135	10,04701333	-0,00712133	0,995076031	Csnk1a1	
17202045	4,668388	4,398834	4,275626	4,244094	4,662681	4,414712	4,447616	4,440495667	-0,00712033	0,99507672	---	
17509839	8,200598	8,16053	8,259846	8,207823	8,161804	8,229988	8,2069913	8,199871667	-0,00711967	0,99507718	---	
17453882	8,906039	9,07412	9,06761	8,949215	9,066122	9,01112	9,015923	9,008819	-0,007104	0,995087986	Srrt	
17246757	7,863317	7,908818	7,8345	7,8888	7,78253	7,914021	7,8688783	7,861783667	-0,00709467	0,995094424	Sf3a1	
17399141	8,257043	8,365881	8,20336	8,330135	8,272305	8,202603	8,275428	8,268347667	-0,00708033	0,99510431	2810403A07Rik	
17255719	8,907881	8,680602	8,806204	8,787967	8,777185	8,808296	8,798229	8,791149333	-0,00707967	0,99510477	Mrpl10	
17288016	5,655753	5,815596	5,763048	5,671699	5,760684	5,780794	5,744799	5,737725667	-0,00707333	0,995109138	LOC100861626	
17273420	8,524876	8,490366	8,413574	8,451805	8,490744	8,465103	8,476272	8,469217333	-0,00705467	0,995122014	Csnk1d	
17289344	8,020671	8,036293	7,928442	7,940775	7,986989	8,036482	7,9951353	7,988082	-0,00705333	0,995122934	Gfm2	
17361183	6,991589	7,253738	7,033243	7,132749	7,007163	7,117501	7,0928567	7,085804333	-0,00705233	0,995123623	Ssh3	
17497315	4,787027	4,800552	4,978698	4,818536	5,018197	4,708423	4,8554257	4,848385333	-0,00704033	0,995131901	1700120G07Rik	
17203859	4,149422	3,748587	4,135864	4,064727	3,834319	4,113732	4,011291	4,004259333	-0,00703167	0,995137879	---	
17370328	4,869769	4,736287	4,665191	4,750876	4,723459	4,775824	4,7570823	4,750053	-0,00702933	0,995139488	Gm13430	
17550538	13,6691	13,72071	13,649	13,65395	13,65841	13,70538	13,679603	13,67258	-0,00702333	0,995143627	---	
17271719	5,939379	5,607119	5,730424	5,908494	5,728488	5,618904	5,758974	5,751962	-0,007012	0,995151444	Cd300c	
17380291	8,428879	8,73362	8,624933	8,626264	8,67811	8,462054	8,5958107	8,588809333	-0,00700133	0,995158802	Npepl1	
17548606	4,275281	4,203907	4,210737	4,308142	4,198136	4,162717	4,229975	4,222998333	-0,00697667	0,995175817	Gm5114 // Gm5114 // Gm5114 // Gm51	
17486008	3,540347	3,428455	3,369673	3,734869	3,369282	3,213398	3,4461583	3,439183	-0,00697533	0,995176737	Rasl2-9	
17206589	4,465093	3,804422	4,385203	4,661997	4,107435	3,86438	4,2182393	4,211270667	-0,00696867	0,995181336	---	
17295646	4,660881	4,680308	4,76633	4,535647	4,744926	4,806083	4,7025063	4,695552	-0,00695433	0,995191223	Gtf2h2	
17548995	5,002507	4,992515	5,004243	4,999886	5,003394	4,975133	4,999755	4,992804333	-0,00695067	0,995193752	---	
17409721	10,03559	10,01417	9,999661	10,01453	10,03483	9,979226	10,016474	10,00952867	-0,006945	0,995197661	Hiat1	
17515617	5,67896	5,394398	5,59726	5,530916	5,614536	5,504344	5,5568727	5,549932	-0,00694067	0,99520065	Igsf9b	
17207119	6,077129	5,381371	6,005798	6,063782	5,711133	5,668568	5,8214327	5,814494333	-0,00693833	0,99520226	---	
17493467	7,40976	7,363203	7,372788	7,37738	7,41749	7,330089	7,381917	7,374986333	-0,00693067	0,995207549	Myo7a	
17213139	10,82111	10,89422	10,76979	10,80338	10,82459	10,83638	10,828373	10,82145	-0,00692333	0,995212607	Bzw1	
17232684	8,456759	8,538051	8,339003	8,4238	8,472652	8,416601	8,4446043	8,437684333	-0,00692	0,995214907	Rev3l	
17350914	7,198215	6,552365	6,346176	6,742821	6,84097	6,492205	6,6989187	6,691998667	-0,00692	0,995214907	---	
17224340	9,828416	9,272451	9,42997	9,720378	9,378458	9,411257	9,510279	9,503364333	-0,00691467	0,995218586	---	
17505905	2,741473	2,821068	2,860228	2,573599	2,958479	2,869949	2,8075897	2,800675667	-0,006914	0,995219046	---	
17300411	6,498893	6,62401	6,537516	6,698075	6,559118	6,382516	6,553473	6,546569667	-0,00690333	0,995226404	Thtpa	
17514340	13,41613	13,3466	13,12709	13,49976	13,23879	13,13059	13,296607	13,28971333	-0,00689333	0,995233302	---	
17331774	11,01499	11,16633	11,05961	11,08541	11,10192	11,03292	11,08031	11,07341667	-0,00689333	0,995233302	Cct8	
17312052	6,920431	6,956424	6,863625	6,929901	7,035593	6,754317	6,9134933	6,906603667	-0,00688967	0,995235832	---	
17299070	5,841298	5,699044	5,819387	5,897981	5,5519	5,889195	5,7865763	5,779692	-0,00688433	0,995239511	---	
17334545	6,675985	7,031616	6,915677	6,9015	6,86345	6,837702	6,874426	6,867550667	-0,00687533	0,99524572	Clcn7	
17240836	6,595197	5,997269	6,442276	6,419841	6,137815	6,456477	6,344914	6,338044333	-0,00686967	0,995249629	Gm20597	
17408960	10,06817	9,962459	9,856891	9,849174	10,10999	9,907756	9,9625067	9,95564	-0,00686667	0,995251698	Cd53	
17254330	4,235384	4,112914	4,293723	4,380273	4,1243	4,116867	4,214007	4,207146667	-0,00686033	0,99525606	---	
17429659	6,82628	6,421951	6,590199	6,726135	6,491945	6,599775	6,61281	6,605951667	-0,00685833	0,995257447	Ppie	
17314317	4,343851	3,850176	4,353165	4,299302	4,083896	4,143436	4,1823973	4,175544667	-0,00685267	0,995261356	Muc19	
17449749	9,324116	9,375159	9,129907	9,163276	9,345624	9,299739	9,276394	9,269546333	-0,00684767	0,995264806	Scarb2	
17294896	4,776836	4,818727	5,161153	4,83436	4,953739	4,948088	4,9189053	4,912062333	-0,00684	0,995268025	Ankrd34b // Ankrd34b	
17467368	3,613513	3,469258	3,553392	3,577208	3,487988	3,550446	3,5453877	3,538547333	-0,00684033	0,995269865	---	
17383486	4,762445	4,538913	4,840264	4,553023	4,639975	4,928106	4,713874	4,707034667	-0,00683933	0,995270555	6530402F18Rik	
17463923	5,036686	4,878393	5,11606	4,941918	4,98019	5,088516	5,0103797	5,003541333	-0,00683833	0,995271244	---	
17465830	10,37691	10,3822	10,305	10,36224	10,32838	10,353	10,354703	10,34787333	-0,00683	0,995276993	Mtpn	
17257051	9,876165	9,884535	9,897365	9,82757	9,917213	9,892828	9,8860217	9,879203667	-0,006818	0,995285272	Nmt1	
17435503	6,254095	6,606367	6,554948	6,504301	6,461415	6,429276	6,4718033	6,464997333	-0,006806	0,99529355	1700096K18Rik	
17359411	8,730706	8,672194	8,576726	8,410837	8,835493	8,712889	8,6598753	8,653073	-0,00680233	0,99529608	Zfp518a	
17499212	10,27101	10,22503	9,898569	10,1782	10,01249	10,18352	10,131536	10,12473667	-0,00679967	0,99529792	F7	
17275090	4,384927	4,222717	4,46851	4,557253	4,487202	4,011305	4,358718	4,35192	-0,006798	0,99529907	Dgkb	
17309698	6,931836	7,123259	7,35858	7,057492	7,188505	7,147286	7,1378917	7,131094333	-0,00679733	0,99529953	Tmtc4	
17288066	5,331779	5,193645	5,250468	5,68045	4,861888	5,213207	5,2586307	5,251848333	-0,00678233	0,995309878	---	
17468018	6,623909	6,635602	6,708898	6,599031	6,736972	6,612105	6,6561363	6,649369333	-0,006767	0,995320456	Hk2	
17367055	10,82326	10,84732	10,83018	10,83074	10,86339	10,78636	10,833587	10,82683	-0,00675667	0,995327585	Vim	
17399754	9,167643	9,362125	9,266117	9,280687	9,295595	9,199337	9,265295	9,258539667	-0,00675533	0,995328505	Ilf2	
17537648	7,895563	7,930383	8,099683	7,962469	8,016148	7,926756	7,9752097	7,968457667	-0,006752	0,995330805	Cenpi	
17269192	8,811038	8,595617	8,719806	8,903191	8,554354	8,648703	8,7088203	8,702082667	-0,00673767	0,995340694	---	
17209571	6,086479	6,01694	5,588444	5,524938	6,136079	6,010661	5,8972877	5,890559333	-0,00672833	0,995347133	---	
17204919	4,730763	4,943012	5,389124	6,034196	4,76593	4,242609	5,0209663	5,014245	-0,00672133	0,995351962	---	
17542121	4,26904	4,063366	3,794268	4,014973	3,934214	4,157356	4,0422247	4,035514333	-0,00671033	0,995359552	Gm10474	
17547700	4,103771	3,970834	4,190305	4,196708	3,827747	4,220329	4,0883033	4,081594667	-0,00670867	0,995360702	Gm20049	
17319429	6,874453	6,770947	6,941495	6,804844	6,976107	6,78583	6,8622983	6,855593667	-0,00670467	0,995363461	Mkl1	

17427550	4,548842	4,465367	4,70692	4,503032	4,7265	4,471509	4,5737097	4,567013667	-0,006696	0,995369441	---	
17345321	8,342556	8,524356	8,719274	8,530132	8,401951	8,634027	8,5287287	8,522036667	-0,006692	0,9953722	Polh	
17325324	12,74557	12,77455	12,68167	12,70644	12,73237	12,74294	12,73393	12,72725	-0,00668	0,99538048	Stfa2l1	
17521570	5,187585	5,276473	5,548114	5,299971	5,264575	5,427595	5,3373907	5,330713667	-0,006677	0,99538255	---	
17434705	6,353034	6,512534	6,327917	6,349808	6,403133	6,420571	6,3978283	6,391170667	-0,00665767	0,995395889	---	
17225893	9,878525	9,900126	9,786373	9,799261	9,987511	9,75843	9,855008	9,848400667	-0,00660733	0,995430617	Ppip5k2	
17208909	7,2609	6,657186	7,045443	6,91578	7,04212	6,985819	6,987843	6,981239667	-0,00660333	0,995433377	---	
17324469	5,438986	5,561114	5,337198	5,74289	5,245131	5,329478	5,445766	5,439166333	-0,00659967	0,995435907	A730098P11Rik	
17347491	4,618233	4,227624	4,336498	4,367286	4,530498	4,264846	4,3941183	4,387543333	-0,006575	0,995452927	---	
17373778	7,10324	7,270916	6,904211	6,685575	7,110068	7,463017	7,092789	7,08622	-0,006569	0,995457067	---	
17337643	3,249633	3,08755	3,252158	3,138876	3,243005	3,187756	3,196447	3,189879	-0,006568	0,995457757	Olfr136	
17449627	9,269462	9,340778	9,225842	9,237166	9,292238	9,286978	9,278694	9,272127333	-0,00656667	0,995458677	G3bp2	
17459078	6,487156	5,620573	5,73264	6,489028	5,383628	5,948021	5,9467897	5,940225667	-0,006564	0,995460517	---	
17510229	5,76038	5,790998	5,607002	5,711417	5,685013	5,742259	5,71946	5,712896333	-0,00656367	0,995460747	Slc5a5	
17533539	7,542647	7,595908	7,660779	7,743416	7,51886	7,517406	7,599778	7,593227333	-0,00655067	0,995469717	Rp2h	
17284623	5,025581	5,048719	5,069293	5,059737	5,097367	4,966865	5,0478643	5,041323	-0,00654133	0,995476157	---	
17337706	10,90665	11,06368	11,1114	11,08713	10,8567	11,1183	11,027243	11,02071	-0,00653333	0,995481677	Rhag	
17208805	5,842489	5,679152	5,821552	5,692857	6,026717	5,604023	5,7810643	5,774532333	-0,006532	0,995482597	---	
17500679	9,002957	9,145679	8,957484	9,046158	8,897727	9,142689	9,0353733	9,028858	-0,00651533	0,995494097	Vps37a	
17539653	3,821922	3,870406	3,782727	3,896639	3,998022	3,560866	3,8250183	3,818509	-0,00650933	0,995498237	---	
17481155	4,824729	5,095487	5,175695	5,242412	4,96421	4,86977	5,0319703	5,025464	-0,00650633	0,995500307	Olfr568	
17343687	5,54235	5,403666	5,709298	4,523135	6,54208	5,570613	5,5517713	5,545276	-0,00649533	0,995507898	---	
17476732	6,126037	6,064714	5,946519	5,965882	6,022508	6,129429	6,0457567	6,039273	-0,00648367	0,995515948	Slc7a10	
17271539	4,667352	4,56639	4,550638	4,817987	4,4839	4,463072	4,5947933	4,588319667	-0,00647367	0,995522849	BC006965	
17528983	8,584558	8,55813	8,476858	8,483328	8,584203	8,532606	8,5398487	8,533379	-0,00646967	0,995525609	Fbxo9	
17251687	7,090001	7,489693	7,188205	7,164804	7,345933	7,237804	7,2559663	7,249513667	-0,00645267	0,99553734	Fxr2	
17375685	4,412491	4,349316	4,566186	4,482632	4,42353	4,402497	4,4426643	4,436219667	-0,00644467	0,99554286	Fgf7	
17399986	3,498955	3,319476	3,805294	3,66583	3,501315	3,437284	3,5412417	3,534809667	-0,00643233	0,995551601	Tchh	
17548458	8,00377	7,689805	7,834479	7,40229	8,025973	8,080495	7,8426847	7,836252667	-0,006432	0,995551601	---	
17515950	3,284102	3,13833	3,102248	3,152639	3,315833	3,036914	3,1748933	3,168462	-0,00643133	0,995552061	---	
17302671	5,516298	5,368175	5,655811	5,467043	5,408544	5,645433	5,513428	5,507006667	-0,00642133	0,995558962	Tgds	
17206519	5,157026	5,492117	5,235539	5,46888	5,435588	4,960976	5,294894	5,288481333	-0,00641267	0,995564942	---	
17207337	6,00775	5,95833	6,286444	6,745039	5,889718	5,598535	6,0841747	6,077764	-0,00641067	0,995566322	---	
17511102	6,663276	6,747756	6,719448	6,777316	6,703785	6,630182	6,71016	6,703761	-0,006399	0,995574373	Mri1	
17464400	4,015492	3,869634	4,436102	4,090071	4,054936	4,157047	4,107076	4,100684667	-0,00639133	0,995579664	Rep15	
17474994	4,329453	4,088882	4,161887	4,302425	4,177681	4,080969	4,1934073	4,187025	-0,00638233	0,995585875	Zfp428	
17389820	6,42594	6,171526	6,48891	6,276295	6,308411	6,482546	6,3621253	6,355750667	-0,00637467	0,995591165	Dnajc17	
17296344	7,487138	7,557117	7,549657	7,83741	7,310338	7,427043	7,531304	7,524930333	-0,00637367	0,995591855	Fst	
17305341	7,344664	6,99373	6,81098	7,093541	6,988626	7,048154	7,0497913	7,043440333	-0,006351	0,995607498	---	
17325770	8,598516	8,660769	8,454161	8,555406	8,53347	8,605531	8,5711487	8,564802333	-0,00634633	0,995610718	Gm608	
17327961	7,634068	7,579091	7,651352	7,677154	7,500761	7,667562	7,6215037	7,615159	-0,00634467	0,995611868	Fam86	
17359564	7,661517	7,631309	7,661517	7,593897	7,618397	7,723075	7,6514477	7,645123	-0,00632467	0,995625671	D19Ertd386e	
17334979	5,823118	5,92893	6,043363	6,031432	5,910659	5,834349	5,9318037	5,92548	-0,00632367	0,995626361	---	
17525836	5,031779	4,886052	5,088234	5,152961	5,034165	4,799973	5,0020217	4,995699667	-0,006322	0,995627511	---	
17231823	5,900228	6,106096	6,263287	5,969386	6,045548	6,235763	6,0898703	6,083565667	-0,00630467	0,995639473	Gm10827	
17483577	8,954416	8,985054	8,80043	8,857388	9,060552	8,803051	8,9133	8,906997	-0,006303	0,995640623	Itgam	
17309154	7,763881	8,162161	7,982361	7,925905	8,013044	7,950555	7,9694677	7,963168	-0,00629967	0,995642924	Kctd12	
17452625	8,32604	8,463379	8,266818	8,267793	8,408726	8,360842	8,352079	8,345787	-0,006292	0,995648215	Vps33a	
17502280	8,825238	8,865425	8,601892	8,596129	8,911281	8,766277	8,764185	8,757895667	-0,00628933	0,995650055	Glt25d1	
17453272	6,820622	6,885182	7,055986	6,92812	6,934294	6,880516	6,9205967	6,91431	-0,00628667	0,995651895	Wbscr16	
17487500	5,41586	4,906994	5,453773	5,057158	5,390954	5,309688	5,2588757	5,2526	-0,00627567	0,995659487	2210010C17Rik	
17237206	4,315724	4,503101	4,5248	4,523482	4,431124	4,37024	4,447875	4,441615333	-0,00625967	0,995670529	---	
17311179	6,461306	6,67272	6,718848	6,411743	6,802228	6,620124	6,6176247	6,611365	-0,00625967	0,995670529	Fzd6	
17474846	4,873405	4,801126	4,764407	4,771922	4,794018	4,85423	4,8129793	4,806723333	-0,006256	0,99567306	Vmn1r170	
17294302	7,522458	7,487371	7,509505	7,524685	7,520316	7,455637	7,5064447	7,500212667	-0,006232	0,995689623	Trip13	
17313533	4,766796	4,310949	4,585698	4,545609	4,410704	4,68846	4,554481	4,548257667	-0,00622333	0,995695605	1500009C09Rik	
17210767	4,425918	3,804942	4,920885	4,568849	4,406681	4,157655	4,383915	4,377728333	-0,00618667	0,995720911	---	
17357406	3,963646	4,078524	3,758072	4,07667	3,627468	4,07756	3,933414	3,927232667	-0,00618133	0,995724592	---	
17253128	5,168118	5,433527	5,607782	5,356519	5,430268	5,404105	5,4031423	5,396964	-0,00617833	0,995726662	1700016K19Rik	
17222719	7,547786	7,776805	7,573869	7,578021	7,600352	7,701565	7,63282	7,626646	-0,006174	0,995729653	Col5a2	
17241377	8,038139	7,974905	7,946869	8,020747	8,026936	7,89371	7,9866377	7,980464333	-0,00617333	0,995730113	Supv3l1	
17379357	8,755306	8,866154	8,716252	8,691674	8,748476	8,879076	8,7792373	8,773075333	-0,006162	0,995737936	Stk4	
17485673	6,524773	6,932444	6,746955	6,550222	6,795613	6,839856	6,734724	6,728563667	-0,00616033	0,995739086	Lair1	
17203169	8,173176	8,127893	8,200891	8,607455	7,877838	7,99819	8,16732	8,161161	-0,006159	0,995740006	---	
17351963	5,096372	5,101856	5,038095	4,805135	5,268329	5,144402	5,0787743	5,072622	-0,00615233	0,995744607	Loxhd1	
17411520	4,067928	3,777368	3,644868	3,92992	3,636615	3,905219	3,8300547	3,823918	-0,00613667	0,995755421	---	
17363320	6,42644	6,5375	6,357908	6,317732	6,480589	6,50513	6,440616	6,434483667	-0,00613233	0,995758411	Gcnt1	
17531923	7,865182	7,882478	7,957456	7,908745	7,986129	7,791848	7,9017053	7,895574	-0,00613133	0,995759102	Cmtm7	
17273918	9,391132	9,421559	9,466377	9,449277	9,466105	9,345306	9,426356	9,420229333	-0,00612667	0,995762323	Pum2	
17462158	5,329701	5,434544	5,431695	5,49801	5,316101	5,363474	5,3986467	5,392528333	-0,00611833	0,995768074	6820426E19Rik	
17340902	4,208857	4,212124	4,238556	4,133677	4,216469	4,291042	4,2198457	4,213729333	-0,00611633	0,995769455	Mas1	
17550410	5,411442	5,341851	5,090539	5,212482	5,413493	5,199534	5,2812773	5,275169667	-0,00610767	0,995775437	---	
17464187	3,718204	3,717446	3,734913	3,681899	3,574543	3,895858	3,723521	3,717433333	-0,00608767	0,995789241	---	
17211043	9,646336	9,633018	9,682304	9,569481	9,742607	9,631321	9,653886	9,647803	-0,006083	0,995792462	Sgk3	
17309785	11,24553	11,2411	11,18893	11,23967	11,20465	11,213	11,225187	11,21910667	-0,00608	0,995794533	Sepp1	
17399700	3,975181	3,637835	3,573504	3,908088	3,679332	3,580887	3,72884	3,722769	-0,006071	0,995800745	---	
17516010	5,719762	5,520364	5,787524	5,747645	5,557336	5,704532	5,6758833	5,669837667	-0,00604567	0,995818231	Fez1	
17344536	5,083588	5,005833	5,008667	5,257185	4,914482	4,908315	5,032696	5,026660667	-0,00603533	0,995825364	Mir877	
17440527	4,627772	4,62237	4,47466	4,635692	4,691841	4,379183	4,574934	4,568905333	-0,00602867	0,995829966	---	
17381511	5,046494	4,881312	4,866155	4,95109	4,908411	4,916395	4,9313203	4,925298667	-0,00602167	0,995834797	---	
17541328	6,204407	6,072384	5,904671	6,084167	6,008441	6,070853	6,0604873	6,054487	-0,00600033	0,995849523	Dcaf12l1	
17205973	4,977432	5,266181	5,712543	5,217045	5,19405	5,527062	5,3187187	5,312719	-0,00599967	0,995849983	---	
17233063	9,224806	9,049279	8,847355	8,980937	9,110754	9,011752	9,04048	9,034481	-0,005999	0,995850443	---	
17288330	4,694093	4,642808	4,679688	4,827296	4,387977	4,783327	4,6721963	4,6662	-0,00599633	0,995852284	4930441O14Rik	
17401741	5,616932	5,755331	5,169885	5,419505	5,55487	5,549798	5,5140493	5,508057667	-0,00599167	0,995855505	Taf13	
17416685	4,720356	5,138022	4,979837	5,624001	5,177582	4,018679	4,9460717	4,940087333	-0,00598433	0,995860567	---	
17374792	6,096727	6,252537	6,162853	6,082805	6,297419	6,114032	6,1707057	6,164752	-0,00595367	0,995881736	Dll4	
17220364	7,892841	7,977406	7,947781	7,835185	8,061209	7,903775	7,9393427	7,933389667	-0,005953	0,995882196	Srp9	
17482932	6,63783	6,411846	6,56961	6,513646	6,285751	6,802067	6,539762	6,533821333	-0,00594067	0,99589071	Jmjd5	
17372753	5,275748	5,140046	4,502715	5,12509	4,792979	4,982644	4,9728363	4,966904333	-0,005932	0,995896693	Olfr1009	
17272241	10,04718	10,10349	9,977712	10,14073	9,85771	10,11216	10,042794	10,03686667	-0,00592733	0,995899914	Acox1	
17543315	3,519674	3,51963	3,4276	3,478109	3,503506	3,467516	3,488968	3,483043667	-0,00592433	0,995901985	Asb12	
17494290	3,471064	3,591103	3,707086	4,00058	3,299664	3,451238	3,589751	3,583827333	-0,00592367	0,995902445	---	
17333924	3,237384	3,58085	3,437663	3,420659	3,430452	3,387028	3,4186323	3,412713	-0,00591933	0,995905436	Zfp51	
17452161	8,760255	8,741614	8,65285	8,642606	8,825508	8,668863	8,7182397	8,712325667	-0,005914	0,995909118	Ptpn11	
17541701	4,56799	4,164442	4,489668	4,379574	4,638446	4,186362	4,4073667	4,401460667	-0,005906	0,995914641	Mir20b	
17429316	11,22849	11,19404	11,29456	11,04781	11,32003	11,33154	11,23903	11,23312667	-0,00590333	0,995916481	Ermap	
17551077	9,127085	9,322605	9,06988	9,200222	9,065898	9,235774	9,17319	9,167298	-0,005892	0,995924305	---	
17222511	5,60096	5,959949	5,631804	5,814437	5,76406	5,596546	5,7309043	5,725014333	-0,00589	0,995925686	Chst10	
17400231	5,761501	5,436661	5,782446	5,65906	5,642892	5,660991	5,6602027	5,654314333	-0,00588833	0,995926836	Tmod4	
17548174	3,923198	3,928567	3,918515	3,975197	3,900616	3,876812	3,9234267	3,917541667	-0,005885	0,995929137	Slc23a2 // Slc23a2	
17502816	6,316706	6,404028	6,256774	6,27939	6,252323	6,42816	6,325836	6,319957667	-0,00587833	0,99593374	Inpp4b	
17279950	5,981523	5,744323	5,994508	6,000538	5,930907	5,771275	5,9067847	5,900906667	-0,005878	0,99593397	Kcns3	
17367510	5,312955	4,867327	5,468766	5,056824	5,317562	5,257037	5,2163493	5,210474333	-0,005875	0,995936041	Gad2	
17203381	4,941082	4,755448	5,234957	4,727688	5,015687	5,170609	4,9771623	4,971328	-0,00583433	0,995964114	---	
17456302	3,766876	3,587156	3,78951	3,907611	3,482046	3,736417	3,714514	3,708691333	-0,00582267	0,995972169	---	
17545595	9,563709	9,720627	9,422235	9,307355	9,747005	9,634747	9,568857	9,563035667	-0,00582133	0,995973089		11/02/17
17210513	6,78371	6,659409	6,669568	7,003811	6,245043	6,846427	6,704229	6,698427	-0,005802	0,995986436	---	
17534706	9,031936	9,049208	8,810999	8,911824	8,834556	9,128367	8,9640477	8,958249	-0,00579867	0,995988737	Phf6	
17525661	9,732066	9,82604	9,666875	9,627001	9,899561	9,681036	9,7416603	9,735866	-0,00579433	0,995991729	Tbrg1	
17290934	8,565588	8,442314	8,431864	8,529945	8,691465	8,201013	8,479922	8,474141	-0,005781	0,996000934	---	
17461554	7,832787	8,042344	8,026335	7,915948	8,016418	7,951762	7,9671553	7,961376	-0,00577933	0,996002084	Mtmr14	
17511259	6,986268	7,270677	6,931263	6,941792	7,181194	7,047903	7,062736	7,056963	-0,005773	0,996006457	Junb	
17462202	4,656409	4,599108	5,010005	4,747456	4,864962	4,635803	4,755174	4,749407	-0,005767	0,996010599	Rasgef1a	
17547630	4,126868	3,891203	3,806983	3,960048	3,980489	3,867236	3,9416847	3,935924333	-0,00576033	0,996015202	---	
17267623	5,171119	4,945979	4,964369	5,180982	4,849248	5,033957	5,0271557	5,021395667	-0,00576	0,996015432	2210409E12Rik // 2210409E12Rik	
17259530	7,625286	7,616096	7,812102	7,766838	7,517185	7,752194	7,6844947	7,678739	-0,00575567	0,996018423	---	
17515170	8,376382	8,361043	8,2232	8,422243	8,240296	8,280826	8,3202083	8,314455	-0,00575333	0,996020034	Ilf3	
17243617	7,670939	7,761469	7,502291	7,616947	7,703352	7,597155	7,6448997	7,639151333	-0,00574833	0,996023486	Ckap4	
17318223	7,914017	7,967631	7,853913	7,92353	7,830934	7,963895	7,9118537	7,906119667	-0,005734	0,996033382	Pycrl	
17407641	2,981245	3,152002	3,179068	2,97058	3,293772	3,030807	3,104105	3,098386333	-0,00571867	0,996043968	---	
17534960	8,045877	7,955711	8,08936	8,127282	8,14879	7,797738	8,030316	8,024603333	-0,00571267	0,996048111	Fhl1	
17481274	5,090886	4,784015	5,285004	5,646196	5,017617	4,478954	5,0533017	5,047589	-0,00571267	0,996048111	Trim34a	
17249262	6,584824	6,627121	6,703041	6,502854	6,937383	6,457621	6,6383287	6,632619333	-0,00570933	0,996050412	Zfp354a	
17244232	3,623713	3,358451	3,72824	3,569963	3,599569	3,523754	3,5701347	3,564428667	-0,005706	0,996052713	Mir1251	
17503650	6,176786	6,23173	6,455005	6,043964	6,221255	6,581194	6,2878403	6,282137667	-0,00570267	0,996055015	Nkd1	
17218653	8,393294	8,910422	8,542962	8,623613	8,533734	8,672238	8,6155593	8,609861667	-0,00569767	0,996058467	Gas5	
17549470	3,047126	3,27588	3,309	3,239077	3,121006	3,254838	3,2106687	3,204973667	-0,005695	0,996060308	---	
17276386	7,490302	7,544531	7,589767	7,620561	7,458719	7,528289	7,5415333	7,535856333	-0,005677	0,996072735	Rhoj	
17433161	5,321313	5,378977	5,485223	5,30778	5,372256	5,488481	5,395171	5,389505667	-0,00566533	0,99608079	---	
17548779	5,382609	5,194639	5,409689	5,311358	5,444369	5,21425	5,328979	5,323325667	-0,00565333	0,996089076	1700024F20Rik	
17439909	8,716708	8,725368	8,480376	8,711363	8,46099	8,73314	8,6408173	8,635164333	-0,005653	0,996089306	Lrrc8c	
17501688	4,687863	4,496362	4,384077	4,579838	4,501624	4,469896	4,5227673	4,517119333	-0,005648	0,996092758	Zfp964	
17308454	11,16216	11,27926	11,23669	10,93405	11,31804	11,40908	11,226037	11,22039	-0,00564667	0,996093679	Xpo7	

17439259	3,793266	3,655172	3,773893	4,123528	3,587934	3,494044	3,740777	3,735168667	-0,00560833	0,996120146	---
17451323	7,096059	7,037733	7,014578	7,1473	7,014859	6,96941	7,0494567	7,043856333	-0,00560033	0,996125669	Crybb2
17252995	7,19004	6,868577	7,121437	7,007746	7,214703	6,94081	7,060018	7,054419667	-0,00559833	0,99612705	Slc43a2
17541000	4,353987	4,386498	4,628173	4,660952	4,142187	4,548731	4,4562193	4,450623333	-0,005596	0,996128661	---
17292185	4,788153	4,746151	4,545386	4,534697	4,796052	4,732159	4,69323	4,687636	-0,005594	0,996130042	Gm10113
17203395	5,471927	5,998264	5,102691	5,154426	5,582051	5,819702	5,524294	5,518726333	-0,00556767	0,996148225	---
17255874	3,052207	3,188484	3,076119	2,857513	3,383644	3,058952	3,1056033	3,100036333	-0,005567	0,996148685	---
17532030	7,554446	7,591825	7,581651	7,517365	7,684375	7,509499	7,575974	7,570413	-0,005561	0,996152828	Cmc1
17328220	6,542915	6,477949	7,157336	6,342415	6,814528	7,004599	6,7260667	6,720514	-0,00555267	0,996158582	Mir1945
17417784	6,685012	6,660038	6,508162	6,626943	6,468672	6,740978	6,6177373	6,612197667	-0,00553967	0,996167558	2610528J11Rik
17443108	3,290938	3,307875	3,347694	3,418458	3,121034	3,3904	3,3155023	3,309964	-0,00553833	0,996168479	Mir3965 // Mir3965
17233630	7,340988	7,902627	7,4466	7,243283	7,670805	7,759582	7,563405	7,55789	-0,005515	0,996184591	---
17420125	7,050667	7,556159	7,056993	7,142027	7,211288	7,293989	7,221273	7,215768	-0,005505	0,996191496	Luzp1
17537306	6,03862	6,081295	6,011749	6,113178	5,878155	6,123845	6,043888	6,038392667	-0,00549533	0,996198171	Klhl4
17444216	6,830323	6,665088	6,887619	6,787125	6,62179	6,95766	6,7943433	6,788858333	-0,005485	0,996205306	C330006K01Rik
17344829	3,579257	3,468041	3,716594	3,602184	3,72968	3,415626	3,587964	3,582496667	-0,00546733	0,996217505	Olfr90
17251604	6,667733	6,733001	6,759483	6,648971	6,663754	6,831109	6,7200723	6,714611333	-0,005461	0,996221878	---
17206357	6,272703	6,748781	6,466028	6,353565	6,930126	6,187455	6,4958373	6,490382	-0,00545533	0,996225791	---
17459888	10,5963	10,62597	10,63696	10,60609	10,6158	10,62099	10,619743	10,61429333	-0,00545	0,996229474	Aup1
17306856	9,449611	9,502521	9,536655	9,522494	9,481732	9,468222	9,4962623	9,490816	-0,00544633	0,996232006	Dhrs1
17470105	8,047543	8,024466	7,861318	7,892072	8,183944	7,840975	7,9777757	7,972330333	-0,00544533	0,996232697	Csgalnact2
17540267	5,887362	5,182804	5,355767	5,580663	5,443204	5,385827	5,475311	5,469898	-0,005413	0,996255024	Gm14635
17512381	7,621574	7,38319	7,756164	7,738975	7,548305	7,457441	7,586976	7,581573667	-0,00540233	0,99626239	Lrrc29
17213937	4,117437	3,716556	3,852195	3,889241	3,994021	3,786726	3,895396	3,889996	-0,0054	0,996264001	---
17388725	5,92733	6,065825	5,977072	5,937714	5,994709	6,02161	5,9900757	5,984677667	-0,005398	0,996265383	Fjx1
17270097	8,481215	8,394556	8,233725	8,557866	8,520377	8,015072	8,369832	8,364438333	-0,00539367	0,996268375	---
17518314	6,64727	6,77662	7,042027	6,788473	6,806115	6,855154	6,8219723	6,816580667	-0,00539167	0,996269756	---
17528568	5,336103	5,477593	5,583399	5,514828	5,417058	5,449049	5,4656983	5,460311667	-0,00538667	0,996273209	Fam81a
17279864	8,424719	8,407962	8,395663	8,445395	8,329058	8,437731	8,409448	8,404061333	-0,00538667	0,996273209	Mfsd2b
17387276	5,971263	6,035918	5,887008	6,069391	5,922901	5,885738	5,9647297	5,959343333	-0,00538633	0,996273439	Pde1a
17494133	3,540918	3,745607	3,900701	3,666436	3,851872	3,652763	3,7290753	3,723690333	-0,005385	0,99627436	Olfr78
17305278	6,302026	5,753193	5,356851	5,970031	5,502511	5,923378	5,8040233	5,79864	-0,00538333	0,996275511	Gm3676
17511868	8,885914	8,941601	8,844857	8,932764	8,816137	8,907356	8,8907907	8,885419	-0,00537167	0,996283567	Fam192a
17306168	4,256636	4,526479	4,498097	4,628965	4,701191	3,93495	4,4270707	4,421702	-0,00536867	0,996285639	Gm16617
17429495	8,908491	8,824999	8,987301	8,866632	8,924587	8,913481	8,9069303	8,901566667	-0,00536367	0,996289092	Nfyc
17225760	8,458044	8,328034	8,543436	8,549458	8,383556	8,380456	8,4431713	8,437823333	-0,005348	0,996299911	Stk25
17283909	4,559866	4,471068	4,368277	4,432715	4,689323	4,261136	4,4664037	4,461058	-0,00534567	0,996301523	Gm16596
17377454	3,245451	3,186384	3,229792	3,380156	3,081733	3,18374	3,2205423	3,215209667	-0,00533267	0,9963105	Gm14124
17332236	7,468876	7,429975	7,582693	7,508817	7,477424	7,47931	7,493848	7,488517	-0,005331	0,996311651	Runx1
17397907	2,965313	2,941164	3,046297	2,874867	3,051381	3,010589	2,984258	2,978945667	-0,00531233	0,996324542	Gm9696
17239005	6,396052	6,38866	6,691899	6,595998	6,525952	6,338736	6,4922037	6,486895333	-0,00530833	0,996327305	Ipcef1
17428278	3,653234	3,400382	3,476579	3,408258	3,604758	3,501263	3,510065	3,504759667	-0,00530533	0,996329376	Skint9
17233294	9,185403	9,197921	9,119171	9,072935	9,309135	9,104533	9,1674983	9,162201	-0,00529733	0,996334901	Nus1
17415365	5,427193	5,12597	5,040088	5,150058	5,03486	5,39247	5,1977503	5,192462667	-0,00528767	0,996341577	Ifna6
17547842	3,884505	3,378052	3,51964	3,4496	3,606361	3,710388	3,5940657	3,588783	-0,00528267	0,99634503	Gm10002
17547849	3,884505	3,378052	3,51964	3,4496	3,606361	3,710388	3,5940657	3,588783	-0,00528267	0,99634503	Gm10002
17206643	5,046673	5,278682	4,631739	5,17314	5,295133	4,472988	4,985698	4,980420333	-0,00527767	0,996348483	---
17488933	4,928667	4,80849	4,937626	4,8104	4,821619	5,026937	4,8915943	4,886318667	-0,00527567	0,996349865	Zfp82
17274492	6,281274	5,285539	4,219408	5,967001	5,680251	4,123145	5,2620737	5,256799	-0,00527467	0,996350555	---
17274494	6,281274	5,285539	4,219408	5,967001	5,680251	4,123145	5,2620737	5,256799	-0,00527467	0,996350555	---
17477016	6,281274	5,285539	4,219408	5,967001	5,680251	4,123145	5,2620737	5,256799	-0,00527467	0,996350555	---
17410630	5,109336	4,905438	4,756494	4,815402	5,08175	4,858294	4,923756	4,918482	-0,005274	0,996351016	Gm5105
17290202	3,654639	3,556791	4,060176	3,855851	3,691312	3,708641	3,757202	3,751934667	-0,00526733	0,99635562	LOC638189
17384445	11,15854	10,95372	11,05081	11,04292	11,01507	11,08931	11,054357	11,0491	-0,00525667	0,996362986	---
17408911	3,697081	3,335832	3,866041	3,59467	3,758706	3,529838	3,6329847	3,627738	-0,00524667	0,996369893	Chl3l4
17400291	7,694913	7,630182	7,321737	7,51806	7,624646	7,488404	7,548944	7,543703333	-0,00524067	0,996374036	Fam63a
17469488	6,229878	6,441537	6,492867	6,242354	6,396869	6,509341	6,388094	6,382854667	-0,00523933	0,996374957	Pdzrn3
17224930	5,820422	5,721789	6,049184	5,587581	6,110709	5,877388	5,8637983	5,858559333	-0,005239	0,996375187	---
17471179	3,713244	3,726349	3,926276	3,837255	3,578846	3,934165	3,788623	3,783422	-0,005201	0,996401432	Dyrk4
17549596	4,05599	4,316049	3,966763	4,135214	3,915571	4,272427	4,112934	4,107737333	-0,00519667	0,996404425	---
17516139	3,404259	3,306971	3,033807	3,227734	3,292015	3,209718	3,2483457	3,243155667	-0,00519	0,996409029	Olfr889
17314621	5,625175	5,092771	5,457073	5,382803	5,362446	5,414217	5,391673	5,386488667	-0,00518433	0,996412943	Olfr281
17472927	7,949332	8,218945	8,011186	8,063403	8,047619	8,052891	8,059821	8,054637667	-0,00518333	0,996413634	Ergic2
17340120	8,027579	7,953334	7,984626	8,038403	7,903729	8,007909	7,988513	7,983347	-0,005166	0,996425605	Ppm1b
17518434	9,635882	9,707294	9,683795	9,681447	9,671487	9,658542	9,675657	9,670492	-0,005165	0,996426296	Dpp8
17212123	7,974073	8,012445	7,911046	7,942975	8,084709	7,854393	7,9658547	7,960692333	-0,00516233	0,996428138	D1Bwg0212e
17433040	9,628489	9,684593	9,647532	9,59708	9,801283	9,546781	9,653538	9,648381333	-0,00515667	0,996432051	Pgd
17513273	4,305057	4,338318	4,118559	4,245588	4,175992	4,324954	4,253978	4,248844667	-0,00513333	0,996448167	Vat1l // Vat1l
17279528	6,138051	5,726626	6,000488	6,131427	5,916191	5,802207	5,955055	5,949941667	-0,00511333	0,996461981	Tmem121
17213153	7,201862	7,290912	7,124886	7,343346	7,057594	7,201389	7,2058867	7,200776333	-0,00511033	0,996464053	Nif3l1
17301225	5,858567	5,70922	5,843629	5,638861	5,865636	5,891593	5,8038053	5,798696667	-0,00510867	0,996465204	Fam167a
17329610	6,092688	6,173201	6,320699	6,161445	6,185999	6,223832	6,1955293	6,190425333	-0,005104	0,996468428	Gm1968 // Gm1968
17392578	4,908101	5,116629	5,090138	5,150874	5,041972	4,906721	5,0382893	5,033189	-0,00510033	0,99647096	Napb
17418629	9,657716	9,567566	9,460175	9,63154	9,53624	9,502378	9,561819	9,556719333	-0,00509967	0,996471421	Psmb2
17453839	5,458733	5,913337	5,613437	5,692845	5,640308	5,637062	5,6618357	5,656738333	-0,00509733	0,996473032	Muc3
17529001	14,01459	13,97885	13,96626	13,96196	13,93834	14,04411	13,986567	13,98147	-0,00509667	0,996473493	Rn7sk // Rn7sk
17299353	8,452086	8,636505	8,446707	8,478809	8,49484	8,546364	8,511766	8,506671	-0,005095	0,996474644	Ktn1
17324722	8,094107	8,108689	8,122293	8,092418	8,095657	8,121731	8,108363	8,103268667	-0,00509433	0,996475104	Ncbp2
17455210	3,447014	3,410541	3,667222	3,679567	3,356588	3,473345	3,508259	3,503166667	-0,00509233	0,996476486	Gm5565
17213591	8,823029	8,645281	9,232461	8,697015	9,211185	8,77732	8,900257	8,895173333	-0,00508367	0,996482472	---
17298714	4,29167	3,628269	3,985191	3,967046	3,995516	3,927434	3,9683767	3,963332	-0,00504467	0,99650941	Ptpn20
17299970	4,286717	4,274884	3,673534	4,149319	4,068181	4,002535	4,0783783	4,073345	-0,00503333	0,996517238	---
17486719	3,209219	3,210678	3,260106	3,41051	3,209219	3,045176	3,2266677	3,221635	-0,00503267	0,996517699	Sult2a7
17244431	4,370326	4,457859	4,4733	4,502399	4,277883	4,506125	4,4338283	4,428802333	-0,005026	0,996522304	---
17522430	7,275784	7,279215	7,519177	7,347834	7,347911	7,363385	7,3580587	7,353043333	-0,00501533	0,996529671	Ccdc12
17509282	8,017029	8,065142	8,092714	8,074297	8,099861	7,98569	8,058295	8,053282667	-0,00501233	0,996531744	Cdkn2aip
17296013	8,655809	8,545636	8,604486	8,596534	8,604918	8,589446	8,601977	8,596966	-0,005011	0,996532665	Ipo11
17273276	5,987206	6,215745	6,275883	6,314564	6,118145	6,031102	6,1596113	6,154603667	-0,00500767	0,996534967	---
17287107	8,196104	8,308266	8,234338	8,193054	8,317623	8,213011	8,246236	8,241229333	-0,00500667	0,996535658	Ninj1
17512009	9,105513	9,395075	9,164095	9,239651	9,249331	9,160707	9,221561	9,216563	-0,004998	0,996541644	Csnk2a2
17450142	7,189362	7,426967	6,94241	7,293426	7,176398	7,073971	7,1862463	7,181265	-0,00498133	0,996553157	Hpse
17489538	3,013428	2,922097	2,866468	2,906657	3,016071	2,864348	2,9339977	2,929025333	-0,00497233	0,996559374	Gm5894
17267536	3,961867	3,744632	3,954869	3,779987	3,887772	3,978747	3,8871227	3,882168667	-0,004954	0,996572038	Olfr462
17264822	3,443485	3,820552	3,710455	3,574506	3,694432	3,690711	3,658164	3,653216333	-0,00494767	0,996576413	Mir467f // Mir467f
17454226	9,729861	9,745586	9,872585	9,700627	9,850291	9,782294	9,7826773	9,777737333	-0,00494	0,996581709	Mcm7
17201441	4,935563	4,789011	5,033304	5,045937	4,989847	4,707286	4,9192927	4,914356667	-0,004936	0,996584472	---
17334241	8,376431	8,459423	8,4151	8,424059	8,389496	8,422624	8,4169847	8,412059667	-0,004925	0,99659207	Rnps1
17233751	6,378648	6,259011	6,409477	6,377593	6,446951	6,207822	6,3490453	6,344122	-0,00492333	0,996593222	Aifm2
17387683	3,038331	3,479829	3,264012	3,360786	3,180479	3,226148	3,260724	3,255804333	-0,00491967	0,996595755	Olfr228
17529743	4,069081	4,087776	4,457983	4,244802	3,991107	4,364235	4,2049467	4,200048	-0,00489867	0,996610261	---
17222834	5,105158	4,790219	4,888137	4,843188	5,047276	4,878384	4,927838	4,922949333	-0,00488867	0,996617169	---
17367359	4,478036	4,347196	4,143743	4,273951	4,369847	4,310513	4,3229917	4,318103667	-0,004888	0,99661763	4930447M23Rik
17506942	4,129041	3,700474	3,971483	3,991141	3,865189	3,930022	3,933666	3,928784	-0,004882	0,996621775	A630001O12Rik
17269237	4,221537	4,057922	3,834836	3,964071	4,059015	4,076579	4,0380983	4,033221667	-0,00487667	0,996625459	Gm11569
17324471	5,098434	4,905348	4,966985	4,596718	5,319029	5,040396	4,9902557	4,985381	-0,00487467	0,99662684	Mir28 // Mir28
17272095	7,1707	6,966992	7,057793	7,024858	7,217448	6,93857	7,0651617	7,060292	-0,00486967	0,996630295	H3f3b
17261818	3,999311	3,872737	4,080627	4,010004	3,886418	4,041695	3,984225	3,979372333	-0,00485267	0,996642038	Gm12130
17550819	4,057764	4,050485	4,115267	4,191855	4,095653	3,921455	4,0745053	4,069654333	-0,004851	0,99664319	---
17387841	3,165292	3,262374	3,312341	3,45162	3,139228	3,134607	3,246669	3,241818333	-0,00485067	0,99664342	---
17399910	7,505097	7,266119	7,299731	7,438704	7,360572	7,257119	7,3569823	7,352131667	-0,00485067	0,99664342	Lce3c
17462226	4,025352	4,312644	3,965166	4,269853	4,156178	3,862592	4,101054	4,096207667	-0,00484633	0,996646414	4931430N09Rik
17411955	3,632766	3,302215	4,610765	4,340537	3,718484	3,472188	3,848582	3,843736333	-0,00484567	0,996646874	---
17201835	4,353987	4,168	4,624	4,943341	3,694432	4,493739	4,3819957	4,377170667	-0,004825	0,996661151	---
17549214	8,07739	8,404971	8,265218	8,091675	8,205394	8,436067	8,249193	8,244378667	-0,00481433	0,99666852	---
17400011	4,003211	3,533265	3,561186	3,824182	3,682036	3,577003	3,6992207	3,694407	-0,00481367	0,996668981	Tdpoz3
17210417	4,846252	4,42186	4,259123	5,00143	4,25959	4,251801	4,5090783	4,504273667	-0,00480467	0,996675198	---
17255423	5,838965	5,504713	5,844592	5,764002	5,642857	5,767082	5,7294233	5,724647	-0,00477633	0,996694772	---
17244395	7,287505	7,296149	7,328607	7,305931	7,374563	7,217472	7,304087	7,299322	-0,004765	0,996702602	Vezt
17450548	6,91804	6,782141	6,950001	6,862267	6,874611	6,899009	6,883394	6,878629	-0,004765	0,996702602	Zfp644
17412774	8,089686	8,165698	8,153179	8,025089	8,099995	8,269207	8,1361877	8,131430333	-0,00475733	0,996707899	Dnaja1
17338231	9,264701	8,676343	9,213296	8,874908	9,177381	9,087811	9,0514467	9,0467	-0,00474667	0,996715268	---
17518278	4,562492	4,687767	4,620275	4,694041	4,511761	4,650506	4,6235113	4,618769333	-0,004742	0,996718492	Lctl
17266185	8,296096	8,299311	8,278104	8,301738	8,283417	8,274133	8,2911703	8,286429333	-0,004741	0,996719183	Ccdc55
17279169	9,188551	9,210254	9,134206	9,137882	9,219643	9,161267	9,1776703	9,172930667	-0,00473967	0,996720104	Mark3
17427188	3,629369	3,409133	3,607301	3,683314	3,54958	3,398703	3,548601	3,543865667	-0,00473533	0,996723098	Izumo3
17246624	4,930762	4,654769	5,052335	4,96109	4,763924	4,89866	4,8792887	4,874558	-0,00473067	0,996726322	Smtn
17307017	3,852118	3,871809	3,80021	3,832938	3,955553	3,721455	3,841379	3,836648667	-0,00473033	0,996726552	Gzmf
17438772	3,845905	3,771421	3,773088	3,787805	3,897161	3,691273	3,7968047	3,792079667	-0,004725	0,996730237	Enam
17417808	6,203379	6,434996	6,13104	6,264248	6,32721	6,163786	6,2564717	6,251748	-0,00472367	0,996731158	D4Ertd617e // D4Ertd617e
17253972	9,887454	9,869443	9,953735	9,935486	9,850437	9,910588	9,903544	9,898837	-0,004707	0,996742673	Psmd11
17384705	5,500109	5,550043	5,640106	5,548789	5,560136	5,567245	5,5634193	5,558723333	-0,004696	0,996750273	Nr5a1
17499613	4,640859	4,41106	4,371107	4,747461	4,408036	4,253458	4,474342	4,469651667	-0,00469033	0,996754188	Defb3
17289094	6,307175	6,554329	6,515954	6,567366	6,436268	6,359783	6,4591527	6,454472333	-0,00468033	0,996761097	Ankrd34b
17230131	3,916273	3,970833	3,902979	3,935778	3,874963	3,965312	3,9300283	3,925351	-0,00467733	0,996763169	Rgs7

17510572	6,982631	7,067471	7,000319	7,064005	6,895755	7,07665	7,016807	7,012136667	-0,00467033	0,996768006	Med26	
17262387	7,200391	7,178732	7,33422	7,325508	7,216597	7,157282	7,237781	7,233129	-0,004652	0,996780672	---	
17439646	4,199112	4,040049	4,275899	4,131333	4,265395	4,104379	4,1716867	4,167035667	-0,004651	0,996781363	Cds1	
17471085	4,926218	4,741003	5,007485	4,830444	4,759361	5,070952	4,8915687	4,886919	-0,00464967	0,996782285	---	
17461166	6,037259	6,112655	6,129892	6,120336	6,215363	5,930162	6,0932687	6,088620333	-0,00464833	0,996783206	Gxylt2	
17549522	5,260169	5,359488	5,180779	5,237058	5,082326	5,467115	5,266812	5,262166333	-0,00464567	0,996785048	---	
17549676	5,260169	5,359488	5,180779	5,237058	5,082326	5,467115	5,266812	5,262166333	-0,00464567	0,996785048	---	
17514352	12,66522	12,51508	12,10486	12,60849	12,40992	12,25283	12,428387	12,42374667	-0,00464	0,996788964	---	
17325904	7,918154	8,218966	7,972627	8,092584	8,087452	7,915792	8,0365823	8,031942667	-0,00463967	0,996789194	Ccdc80	
17426786	3,959628	4,007585	4,05844	4,03689	4,03174	3,943105	4,008551	4,003911667	-0,00463933	0,996789424	---	
17280530	4,290718	4,34013	4,358589	4,282622	4,30664	4,386262	4,3298123	4,325174667	-0,00463767	0,996790576	Slc26a4	
17284435	3,110866	3,356622	3,265871	3,189915	3,28458	3,244967	3,244453	3,239820667	-0,00463233	0,996794261	---	
17548559	3,397716	3,153555	3,468678	3,429003	3,281844	3,295216	3,339983	3,335354333	-0,00462867	0,996796794	Emp1 // Emp1	
17529786	4,193142	4,426719	4,41878	4,535195	4,24746	4,242151	4,3462137	4,341602	-0,00461167	0,99680854	Atr	
17473234	9,91186	10,07109	10,18313	10,14585	10,08326	9,923185	10,05536	10,050765	-0,004595	0,996820055	Rps9	
17526305	5,438833	5,563207	5,560514	5,390484	5,649889	5,508439	5,5208513	5,516270667	-0,00458067	0,996829959	---	
17207455	5,939333	6,268903	6,470651	6,487972	6,144694	6,032481	6,2262957	6,221715667	-0,00458	0,99683042	---	
17536346	3,495086	3,682545	3,596721	3,617859	3,619553	3,523207	3,5914507	3,586873	-0,00457767	0,996832032	Asb12	
17457404	7,976129	7,927567	7,824269	7,949324	7,897226	7,867747	7,9093217	7,904765667	-0,004556	0,996847003	Ubn2	
17475037	5,071432	4,935095	5,188641	4,917005	5,2119	5,052601	5,065056	5,060502	-0,004554	0,996848385	Phldb3	
17338425	7,895964	7,901464	7,778664	7,815001	7,980248	7,767208	7,8586973	7,854152333	-0,004545	0,996854603	Treml1	
17416760	9,847777	9,738811	9,296978	9,708959	9,558525	9,602447	9,6278553	9,623310333	-0,004545	0,996854603	---	
17335726	5,449226	5,304488	5,423154	5,496106	5,274399	5,392745	5,3922893	5,38775	-0,00453933	0,996858519	Glp1r	
17327096	4,854382	4,589468	4,890512	4,82379	4,729382	4,767595	4,7781207	4,773589	-0,00453167	0,996863816	Gart	
17200655	5,499989	4,732604	4,343922	5,048486	4,417345	5,097091	4,8588383	4,854307333	-0,004531	0,996864277	---	
17449551	9,754089	9,957618	9,431543	9,552071	10,01521	9,562443	9,7144167	9,709908	-0,00450867	0,996879709	---	
17481673	4,756246	4,826713	4,897924	4,86114	4,926198	4,680036	4,826961	4,822458	-0,004503	0,996883624	Rpl27a	
17341247	9,520618	9,573269	9,395085	9,564692	9,465429	9,445366	9,496324	9,491829	-0,004495	0,996889152	Lnpep	
17311689	7,50119	7,530486	7,256518	7,383746	7,392313	7,498662	7,429398	7,424907	-0,004491	0,996891916	Wdyhv1	
17261939	4,478033	4,254973	4,644404	4,374147	4,402333	4,587514	4,4591367	4,454664667	-0,004472	0,996905045	---	
17504837	6,81602	6,883965	6,769358	6,790665	6,796445	6,868851	6,8231143	6,818653667	-0,00446067	0,996912876	Fam65a	
17378092	3,679113	3,660819	3,62612	3,660819	3,631059	3,660819	3,6553507	3,650899	-0,00445167	0,996919096	Bpifa6	
17545414	5,914876	5,698708	5,895091	6,003497	5,787441	5,704382	5,836225	5,831773333	-0,00445167	0,996919096	A230072E10Rik	
17331798	3,156483	3,22282	3,451305	3,281172	3,267098	3,268992	3,2768693	3,272420667	-0,00444867	0,996921169	---	
17461845	4,774517	4,629241	4,663583	4,415319	4,793857	4,84482	4,6891137	4,684665333	-0,00444833	0,996921399	---	
17532613	13,64372	13,74022	13,65175	13,63539	13,66243	13,72454	13,678563	13,67412	-0,00444333	0,996924854	COX2	
17303058	5,668052	5,701458	5,958915	6,205605	5,445377	5,66413	5,7761417	5,771704	-0,00443767	0,99692877	Gm3453	
17315810	9,898529	9,908477	9,741826	9,867148	9,833872	9,834541	9,8496107	9,845187	-0,00442367	0,996938444	Nipbl	
17407240	7,067864	7,395962	7,151857	7,209539	7,218995	7,173883	7,2052277	7,200805667	-0,004422	0,996939596	Rps27	
17507847	3,652632	3,388278	3,716261	3,552967	3,745008	3,44593	3,5857237	3,581301667	-0,004422	0,996939596	Defb8	
17407244	7,067864	7,395962	7,151857	7,209539	7,218995	7,173883	7,2052277	7,200805667	-0,004422	0,996939596	---	
17228576	8,416519	8,42223	8,344492	8,395175	8,448137	8,326666	8,3944137	8,389992667	-0,00442	0,996940287	Fam20b	
17219536	6,843138	6,673743	6,943212	6,761841	6,965658	6,719337	6,820031	6,815612	-0,004419	0,996941669	Kcnj10	
17346923	3,180035	3,152863	3,181675	3,248984	3,044104	3,208255	3,1715243	3,167114333	-0,00441	0,996947888	2410021H03Rik // 2410021H03Rik	
17432124	9,441666	9,398979	9,577737	9,483918	9,466602	9,454644	9,472794	9,468388	-0,004406	0,996950652	Necap2	
17393541	11,12486	11,30623	11,4313	11,3846	11,31642	11,14816	11,287463	11,28306	-0,00440333	0,996952495	---	
17401647	4,93068	4,735807	4,835677	4,916609	4,703673	4,868755	4,8340547	4,829679	-0,00437567	0,996971614	---	
17318210	9,591845	9,692241	9,540539	9,546531	9,716082	9,548923	9,6082083	9,603845333	-0,004363	0,996980367	Eef1d	
17208595	3,885967	3,321608	2,913577	3,60148	3,35794	3,148653	3,3737173	3,369357667	-0,00435967	0,996982671	---	
17234552	9,301139	9,515298	9,360989	9,567484	9,167898	9,428984	9,3924753	9,388122	-0,00435333	0,996987047	Lss	
17208095	3,453524	4,39341	4,148423	3,290737	5,435662	3,255911	3,9984523	3,994103333	-0,004349	0,996990042	---	
17220751	7,087598	7,201265	7,167304	7,063189	7,158971	7,220992	7,1520557	7,147717333	-0,00433833	0,996997413	Angel2	
17516995	4,308265	4,751121	4,669624	4,540688	4,766954	4,408357	4,5763367	4,571999667	-0,004337	0,996998335	Gm8884	
17333686	4,130609	3,965673	3,970835	3,80958	4,263869	3,980662	4,0223723	4,018037	-0,00433533	0,996999486	Lix1	
17502858	5,089638	5,125652	5,023195	5,075754	5,079508	5,070228	5,079495	5,075163333	-0,00433167	0,99700202	---	
17340332	7,819654	7,854893	7,885709	7,721225	7,90283	7,923226	7,8534187	7,849093667	-0,004325	0,997006628	Klraq1	
17288075	3,800493	4,310433	4,102899	4,395051	3,840384	3,965464	4,071275	4,066966333	-0,00430867	0,997017915	---	
17523251	5,198901	5,191724	5,256975	5,339281	5,319621	4,975787	5,2158667	5,211563	-0,00430367	0,997021371	5830454E08Rik	
17525286	3,885869	3,654463	3,950821	3,698021	4,124952	3,655309	3,8303843	3,826094	-0,00429033	0,997030585	---	
17317675	8,977134	9,052796	8,704607	9,020397	8,752156	8,949147	8,9115123	8,907233333	-0,004279	0,997038417	St3gal1	
17491495	4,810709	4,769377	4,400487	4,622477	4,560915	4,784347	4,660191	4,655913	-0,004278	0,997039108	A230073K19Rik	
17261233	4,734429	4,455858	4,725322	4,654041	4,488955	4,759877	4,6385363	4,634291	-0,00424533	0,997061684	Ccdc85a	
17412227	4,221644	4,550754	3,97356	4,071761	4,004076	4,657404	4,2486527	4,244413667	-0,004239	0,997066062	---	
17484454	4,369721	4,035785	4,598138	4,196314	4,365757	4,428863	4,334548	4,330311333	-0,00423667	0,997067674	Utf1	
17211198	7,196193	7,193309	7,342772	7,084393	7,150314	7,484873	7,2440913	7,23986	-0,00423133	0,99707136	Sulf1	
17261730	9,985957	10,01748	9,922508	9,870318	10,09713	9,945874	9,975315	9,971107333	-0,00420767	0,997087717	Rars	
17309143	8,185081	8,33371	8,048035	8,164587	8,074667	8,314949	8,188942	8,184734333	-0,00420767	0,997087717	Commd6	
17467308	12,82685	12,98899	12,9049	12,85392	13,00189	12,85232	12,906913	12,90271	-0,00420333	0,997090712	Rpl23 // Rpl23	
17225325	4,891146	4,86492	4,975169	4,836635	4,947511	4,934494	4,9104117	4,906213333	-0,00419833	0,997094167	Dnajb3	
17426791	7,034561	7,115808	6,770067	6,834672	7,101748	6,971422	6,9734787	6,969280667	-0,004198	0,997094398	Zdhhc21	
17290076	3,325358	3,518267	3,857625	3,637247	3,684491	3,366929	3,5670833	3,562889	-0,00419433	0,997096932	---	
17464950	7,905763	7,774813	7,689317	7,729052	8,027236	7,601056	7,7899643	7,785781333	-0,004183	0,997104765	Tfec	
17222066	5,722564	5,356165	5,762135	5,321888	5,842896	5,663602	5,6136213	5,609462	-0,00415933	0,997121122	---	
17202217	7,725092	7,544832	8,073893	8,067059	7,649772	7,614512	7,7812723	7,777114333	-0,004158	0,997122043	---	
17493526	7,364179	7,256999	7,430557	7,383706	7,268421	7,387181	7,3505783	7,346436	-0,00414233	0,997132871	Capn5	
17271209	5,912547	5,705279	5,998897	5,810964	5,924267	5,869086	5,872241	5,868105667	-0,00413533	0,99713771	Rgs9	
17480928	6,941628	6,953991	6,926985	6,980274	6,925486	6,904462	6,940868	6,936740667	-0,00412733	0,997143239	Clpb	
17532268	7,865098	8,01059	7,923338	8,050078	7,721612	8,014976	7,9330087	7,928888667	-0,00412	0,997148307	Cx3cr1	
17422148	7,197022	7,235878	7,245003	7,149399	7,180969	7,33525	7,2259677	7,221872667	-0,004095	0,997165587	Icmt	
17343278	5,004086	4,419304	4,669064	4,585636	4,809403	4,68515	4,6974847	4,693396333	-0,00408833	0,997170195	Hsf2bp	
17212828	7,933947	7,998933	7,811586	7,960367	7,781358	7,99052	7,914822	7,910748333	-0,00407367	0,997180332	Osgepl1	
17245124	3,740614	3,861784	3,684624	3,962577	3,672855	3,639403	3,7623407	3,758278333	-0,00406233	0,997188166	Gm239	
17443901	8,194864	8,075033	7,874416	7,953769	7,97645	8,201944	8,0481043	8,044054333	-0,00405	0,997196691	Fam20c	
17449560	8,77046	9,043543	8,749384	9,129339	8,131111	9,290837	8,8544623	8,850429	-0,00403333	0,997208211	---	
17537235	5,106274	4,544784	4,530349	4,678076	4,642905	4,848341	4,7271357	4,723107333	-0,00402833	0,997211667	Tex16	
17446153	5,030877	4,836392	4,901501	5,113956	4,722479	4,920341	4,9229233	4,918925333	-0,003998	0,997232634	Atg9b	
17466758	3,143415	3,195998	3,139924	3,127143	3,276401	3,063807	3,159779	3,155783667	-0,00399533	0,997234477	Mir148a	
17368254	5,51102	5,499687	5,453266	5,40669	5,694139	5,35116	5,487991	5,483996333	-0,00399467	0,997234938	Nacc2 // Nacc2	
17277404	6,161722	6,14572	5,878062	5,867267	6,215294	6,090977	6,0618347	6,057846	-0,00398867	0,997239085	Batf	
17314051	6,934812	6,743388	6,869303	6,798344	6,968778	6,768425	6,8491677	6,845182333	-0,00398533	0,997241389	Panx2	
17549270	6,928928	6,724354	6,946259	6,817927	6,806055	6,963624	6,8665137	6,862535333	-0,00397833	0,997246228	---	
17549306	6,928928	6,724354	6,946259	6,817927	6,806055	6,963624	6,8665137	6,862535333	-0,00397833	0,997246228	---	
17332358	7,434598	7,585702	7,329618	7,526412	7,481462	7,330109	7,4499727	7,445994333	-0,00397833	0,997246228	Erg	
17262013	3,965795	4,06882	3,995473	4,175457	3,798828	4,043932	4,0100293	4,006072333	-0,003957	0,997260975	---	
17379472	3,315609	3,317134	3,489553	3,435892	3,369286	3,305256	3,3740987	3,370144667	-0,003954	0,997263048	Wfdc6b	
17270877	6,34853	6,199169	6,352221	6,476758	6,132898	6,278487	6,2999733	6,296047667	-0,00392567	0,997282634	Icam2	
17373754	6,497507	6,678936	6,266253	6,464256	6,546751	6,419921	6,4808987	6,476976	-0,00392267	0,997284708	Abtb2	
17219902	4,090398	3,893023	3,96677	3,912407	4,063033	3,962999	3,983397	3,979479667	-0,00391733	0,997288395	1700016C15Rik	
17332113	4,714712	4,629657	4,696261	4,666337	4,723804	4,638794	4,68021	4,676311667	-0,00389833	0,997301529	---	
17316179	6,381293	6,404375	6,451905	6,421727	6,454629	6,349528	6,4125243	6,408628	-0,00389633	0,997302911	Fbxl7	
17253191	8,951182	8,990031	8,950342	8,964267	8,991327	8,924275	8,9638517	8,959956333	-0,00389533	0,997303603	Blmh	
17389604	6,265771	6,210358	6,10589	6,261524	6,214309	6,094504	6,1940063	6,190112333	-0,003894	0,997304524	---	
17200167	3,413514	3,413514	3,832037	3,153102	4,000248	3,494044	3,5530217	3,549131333	-0,00389033	0,997307059	---	
17298731	8,228618	8,336651	8,046334	8,278613	8,356394	7,964949	8,2038677	8,199985333	-0,00388233	0,997312589	Gdf10	
17542662	7,781106	7,843907	7,767248	7,788462	7,782343	7,809826	7,7974203	7,793543667	-0,00387667	0,997316506	Ubl4	
17272857	6,49513	6,719624	6,545048	6,657896	6,558714	6,531604	6,5866007	6,582738	-0,00386267	0,997326185	Cbx4	
17549490	4,49678	4,322045	4,224467	4,519007	4,253021	4,259752	4,347764	4,343926667	-0,00383733	0,997343697	---	
17549638	4,49678	4,322045	4,224467	4,519007	4,253021	4,259752	4,347764	4,343926667	-0,00383733	0,997343697	---	
17502537	7,710023	7,580339	7,794125	7,721916	7,637409	7,713665	7,694829	7,690996667	-0,00383233	0,997347154	Hmgxb4	
17335742	5,872922	5,804877	5,92817	5,943267	5,797941	5,853265	5,8686563	5,864824333	-0,003832	0,997347384	Umodl1	
17481182	5,25857	5,097284	5,093294	5,399613	5,01977	5,018277	5,149716	5,145886667	-0,00382933	0,997349228	Olfr594	
17451431	5,611574	5,48379	5,657994	5,49557	5,626872	5,619443	5,5844527	5,580628333	-0,00382433	0,997352684	Tmem119	
17441924	5,992727	5,770174	5,843671	5,880796	5,902227	5,812082	5,8688573	5,865035	-0,00382233	0,997354067	Tmem116	
17229967	2,953246	2,966268	3,167758	3,015067	3,182965	2,87778	3,0290907	3,025270667	-0,00382	0,99735568	Olfr1408	
17527505	7,191601	7,338641	7,326977	7,379137	7,218465	7,248168	7,2857397	7,281923333	-0,00381633	0,997358215	1700017B05Rik	
17277468	4,784345	4,572639	4,613589	4,673525	4,813874	4,471728	4,6568577	4,653042333	-0,00381533	0,997358906	LOC100861892	
17499673	7,316774	7,257537	6,661766	7,253413	6,978796	6,992561	7,0786923	7,074923333	-0,003769	0,997390938	---	
17422817	6,527332	6,323948	6,655479	6,492826	6,425124	6,577597	6,502253	6,498515667	-0,00373733	0,99741283	Ube2j2	
17383116	7,130875	7,275872	7,353008	7,326745	7,187544	7,234307	7,2532517	7,249532	-0,00371967	0,997425044	Snhg7	
17430809	7,345667	7,366885	7,538181	7,324412	7,389462	7,525729	7,416911	7,413201	-0,00371	0,997431728	Rcc1	
17439294	4,837762	4,595534	4,493739	4,790471	4,495662	4,629799	4,642345	4,638644	-0,003701	0,99743795	E330014E10Rik // E330014E10Rik	
17200199	5,395697	5,044851	5,466685	5,346284	5,614569	4,935371	5,302411	5,298741333	-0,00366967	0,997459613	---	
17212461	8,767933	9,340082	8,940282	9,087625	8,977279	8,972402	9,016099	9,012435333	-0,00366367	0,997463761	Col3a1	
17353320	11,85337	11,92845	11,87426	11,91035	11,8807	11,85407	11,88536	11,88170667	-0,00365333	0,997470906	Proc	
17278370	3,180562	3,357891	3,298874	3,320346	3,25632	3,249704	3,279109	3,275456667	-0,00365233	0,997471597	Tcl1b3	
17331170	4,516802	4,311199	4,361776	4,402605	4,496054	4,280323	4,3965923	4,392994	-0,00359833	0,997508933	4930461C15Rik	
17509664	4,741076	4,545656	4,709458	4,602738	4,648678	4,734021	4,6653967	4,661812333	-0,00358433	0,997518613	Trim61	
17500496	9,063186	9,204916	8,964548	9,040093	9,093618	9,088197	9,07755	9,073969333	-0,00358067	0,997521148	Gtf2e2	
17547626	6,674673	6,965493	6,832407	6,789669	6,679786	6,992397	6,824191	6,820617333	-0,00357367	0,997525988	---	
17348435	6,340449	6,186608	5,681425	6,268017	6,146538	5,783214	6,069494	6,065923	-0,003571	0,997527832	Cables1	
17298910	5,828285	5,78219	5,794863	5,80507	5,685756	5,903811	5,8017793	5,798212333	-0,003567	0,997530598	Lrit1	
17328238	5,471009	5,36457	5,602265	5,502013	5,379179	5,545952	5,4792813	5,475714667	-0,00356667	0,997530828	Mkl2	
17427583	2,87222	2,870519	2,830596	2,800939	2,859686	2,902051	2,8577783	2,854225333	-0,003553	0,997540278	Raver2 // Raver2	
17250055	4,185592	4,092512	3,974869	4,131996	4,056609	4,053715	4,0843243	4,080773333	-0,003551	0,997541661	1810065E05Rik	

17287336	7,471646	7,338531	7,378843	7,349369	7,344431	7,484212	7,39622	7,392670667	-0,00354933	0,997542813	---	
17526995	4,606958	4,497084	4,667439	4,64718	4,603296	4,510363	4,5904937	4,586946333	-0,00354733	0,997544196	9230115E21Rik	
17470645	3,861969	3,960392	3,943481	3,930958	3,880453	3,943799	3,9219473	3,918403333	-0,003544	0,997546501	Vmn2r21	
17454865	10,15351	10,13733	10,10101	10,16257	10,06513	10,15353	10,130617	10,12707667	-0,00354	0,997549267	Rac1	
17319757	4,241218	4,693961	4,604208	4,446627	4,529653	4,552526	4,513129	4,509602	-0,003527	0,997558256	Rrp7a	
17275317	4,063148	3,825397	4,020564	3,949419	4,010768	3,938359	3,969703	3,966182	-0,003521	0,997562405	3110039M20Rik	
17289079	5,209284	5,240462	5,278135	5,223441	5,213496	5,280436	5,242627	5,239124333	-0,00350267	0,997575081	1700119I11Rik	
17253125	5,907888	5,740597	5,925683	5,886763	5,856194	5,820734	5,858056	5,854563667	-0,00349233	0,997582227	---	
17416524	4,128327	4,044343	4,444529	4,161266	4,283559	4,161908	4,205733	4,202244333	-0,00348867	0,997584762	1700047F07Rik	
17264975	4,202408	4,22975	4,67585	4,14539	4,433547	4,518617	4,369336	4,365851333	-0,00348467	0,997587528	4933402P03Rik	
17396035	6,330407	6,512009	6,469062	6,545768	6,449378	6,305901	6,4371593	6,433682333	-0,003477	0,997592829	Zbtb10	
17548936	3,441909	3,305196	3,44219	3,4145	3,50905	3,255319	3,3964317	3,392956333	-0,00347533	0,997593982	Gm19891	
17345593	7,629974	7,653481	7,602148	7,747849	7,402082	7,725261	7,6285343	7,625064	-0,00347033	0,997597439	BC032203	
17240729	4,697075	4,707688	4,697075	4,606471	4,824481	4,660485	4,7006127	4,697145667	-0,003467	0,997599744	Fam162b	
17208049	4,715118	4,840615	4,835406	5,072159	5,132222	4,176416	4,7970463	4,793599	-0,00344733	0,997613343	---	
17292871	7,551812	7,359209	7,485359	7,546748	7,441741	7,397564	7,46546	7,462017667	-0,00344233	0,997616801	Dbn1	
17489151	11,64329	11,5392	11,46811	11,59391	11,54109	11,50529	11,5502	11,54676333	-0,00343667	0,997620719	Psenen	
17489563	2,757096	2,780799	3,127825	2,929363	3,046823	2,679256	2,8885733	2,885147333	-0,003426	0,997628095	---	
17200859	3,636849	3,507615	3,147676	3,500473	3,53129	3,250114	3,4307133	3,427292333	-0,003421	0,997631553	---	
17296476	8,521671	8,377386	8,408928	8,396503	8,471848	8,429413	8,435995	8,4325888	-0,003407	0,997641234	Mrps30	
17528274	8,131045	8,214162	8,096563	8,188962	8,107124	8,135465	8,1472567	8,143850333	-0,00340633	0,997641695	Plekho2	
17246198	5,759901	5,893502	5,837347	5,824092	5,777973	5,878469	5,83025	5,826844667	-0,00340533	0,997642386	Zc3h10	
17407361	3,35804	3,561581	3,393883	3,340138	3,410634	3,552527	3,4378347	3,434433	-0,00340167	0,997644922	---	
17548258	5,482121	5,649159	5,307778	5,326819	5,778455	5,323612	5,479686	5,476295333	-0,00339067	0,997652529	LOC100862291	
17384355	5,556966	5,680983	5,728395	5,745173	5,528115	5,682894	5,655448	5,652060667	-0,00338733	0,997654834	Traf1	
17419661	4,815949	4,841019	5,104965	4,859215	5,020297	4,872293	4,9206443	4,917268333	-0,003376	0,997662671	---	
17362784	6,232652	6,011474	6,081449	6,115566	6,220485	5,979434	6,108525	6,105161667	-0,00336333	0,99767143	Tmem132a	
17542139	3,974235	3,889656	3,808767	3,918577	3,711954	4,032043	3,890886	3,887524667	-0,00336133	0,997672813	1700111N16Rik	
17516488	5,146386	5,214191	5,230422	5,264417	5,183923	5,132587	5,1969997	5,193642333	-0,00335733	0,99767558	C1qtnf5	
17429569	8,578485	8,639462	8,601185	8,746341	8,598592	8,464151	8,6063773	8,603028	-0,00334933	0,997681112	Rlf	
17503503	3,785618	2,960252	3,875691	3,656356	3,431172	3,524028	3,5405203	3,537185333	-0,003335	0,997691024	---	
17532418	9,207379	9,177885	9,167208	9,19389	9,144483	9,204095	9,1841573	9,180822667	-0,00333467	0,997691254	Ano10	
17285749	3,453377	3,928532	3,821038	3,838824	3,750387	3,603765	3,7343157	3,730992	-0,00332367	0,997698862	Vmn1r188	
17248721	4,543193	4,618096	4,741565	4,618808	4,720947	4,553147	4,6342847	4,630967333	-0,00331733	0,997703241	F630206G17Rik	
17329009	6,677639	7,369664	6,231915	6,873209	6,52471	6,871358	6,7597393	6,756425667	-0,00331367	0,997705777	---	
17524264	5,198574	5,465709	5,01962	5,000905	5,242914	5,43021	5,2279677	5,224676333	-0,00329133	0,997721222	Naalad2	
17446851	4,983506	4,391898	4,633907	4,912468	4,288971	4,798	4,6697703	4,666479667	-0,00329067	0,997721683	Gtf3c2	
17431394	10,29389	10,29403	10,2197	10,24158	10,23893	10,31725	10,269207	10,26592	-0,00328667	0,997724449	Clic4	
17231607	3,902835	3,826979	3,756546	3,809528	3,876741	3,790236	3,8287867	3,825501667	-0,003285	0,997725602	Gm6150	
17296702	6,783549	6,337918	6,448869	6,578859	6,508192	6,473445	6,5234453	6,520165333	-0,00328	0,99772906	1700110I01Rik	
17281142	10,4873	10,4441	10,28961	10,34279	10,39683	10,47156	10,407003	10,40372667	-0,00327667	0,997731365	Cfl2	
17260853	3,621686	3,605543	3,503374	3,376363	3,802815	3,541608	3,5768677	3,573595333	-0,00327233	0,997734362	---	
17202919	5,180817	5,755689	4,785824	5,017873	5,406261	5,288407	5,2407767	5,237513667	-0,003263	0,997740817	---	
17299258	3,921032	4,091207	4,564203	4,066986	4,383028	4,116646	4,1921473	4,188886667	-0,00326067	0,99774243	---	
17259498	6,913392	6,696946	7,104841	6,857611	7,121902	6,725885	6,9050597	6,901799333	-0,00326033	0,997742661	Rac3	
17460307	7,464618	7,441742	7,493362	7,348922	7,364891	7,676157	7,466574	7,463323333	-0,00325067	0,997749346	Alms1	
17238854	4,913634	5,131445	5,260165	5,365167	5,107056	4,823274	5,101748	5,098499	-0,003249	0,997750499	Syne1	
17548240	4,520861	4,397774	4,592509	4,470086	4,574127	4,457217	4,5037147	4,500476667	-0,003238	0,997758106	Cog6 // Cog6	
17316298	9,816845	9,831984	9,783191	9,816141	9,815498	9,79067	9,8106733	9,807436333	-0,003237	0,997758798		03/07/17
17201209	9,414185	9,321136	8,867973	8,674777	9,270168	9,648666	9,201098	9,197870333	-0,00322767	0,997765253	---	
17417146	8,608052	8,502105	8,555294	8,656675	8,583263	8,415859	8,5551503	8,551932333	-0,003218	0,997771938	Pdzk1ip1	
17220931	4,479892	4,255931	4,357045	4,339941	4,389042	4,354301	4,3642893	4,361094667	-0,00319467	0,997788076	---	
17469246	5,765476	5,717052	5,970053	5,667952	5,945467	5,829589	5,817527	5,814336	-0,003191	0,997790612	---	
17410114	9,07739	8,947379	8,981917	9,029929	9,084866	8,882327	9,0022287	8,999040667	-0,003188	0,997792686	Ugt8a	
17277781	4,591865	4,579778	4,76475	4,547345	4,742746	4,636745	4,6454643	4,642278667	-0,00318567	0,9977943	---	
17387876	3,676794	3,095626	3,311502	3,226633	3,33491	3,512852	3,3613073	3,358131667	-0,00317567	0,997801216	Olfr1214	
17280624	4,066728	4,137811	3,871691	4,001757	4,002825	4,062149	4,02541	4,022243667	-0,00316633	0,997807672	---	
17317989	5,289192	5,361538	5,276333	5,189815	5,574619	5,153151	5,309021	5,305861667	-0,00315933	0,997812513	Jrk	
17222788	7,600101	7,89428	7,89414	7,755919	7,860467	7,762663	7,7961737	7,793016333	-0,00315733	0,997813896	---	
17343683	10,02202	10,26642	10,23721	10,35144	10,08303	10,08173	10,175217	10,17206667	-0,00315	0,997818968	---	
17427181	6,059421	6,348707	6,109175	5,736159	6,214063	6,557649	6,1724343	6,169290333	-0,003144	0,997823118	Gm12669	
17296304	3,954604	3,802148	4,142484	3,900437	3,99319	3,99621	3,966412	3,963279	-0,003133	0,997830726	4921509O07Rik	
17457831	4,289406	4,292943	4,431271	4,307463	4,257508	4,439252	4,3378733	4,334741	-0,00313233	0,997831187	1700034O15Rik	
17324916	8,10402	8,118675	7,772021	8,023907	7,968728	7,992685	7,9982387	7,995106667	-0,003132	0,997831418	Fyttd1	
17462975	9,651237	9,57945	9,599905	9,615753	9,584313	9,621198	9,6101973	9,607088	-0,00310933	0,997847095	Mlf2	
17323587	4,137204	4,042159	3,92739	3,842758	4,300231	3,954456	4,0355843	4,032481667	-0,00310267	0,997851706	---	
17388931	9,866471	10,05221	9,827054	9,95576	9,915721	9,864959	9,915245	9,912146667	-0,00309833	0,997854703	Hipk3	
17221228	9,874433	10,00433	9,918704	9,931422	9,987616	9,869143	9,932489	9,929393667	-0,00309533	0,997856778	Arfgef1	
17229333	4,794549	5,22047	4,996932	5,039879	5,102495	4,860305	5,0039837	5,000893	-0,00309067	0,997860006	---	
17255245	4,184585	4,862906	4,067643	4,206841	4,473876	4,425177	4,3717113	4,368631333	-0,00308	0,997867384	---	
17226203	9,932686	9,812203	9,771578	9,788301	9,874609	9,844373	9,8388223	9,835761	-0,00306133	0,997880295	Epb4.1l5	
17523161	8,947966	9,01284	9,075595	8,982194	9,056906	8,988178	9,0121337	9,009092667	-0,003041	0,997894359	Slc25a38	
17375959	3,703354	3,393995	3,467705	3,572054	3,545999	3,437916	3,5216847	3,518656333	-0,00302833	0,997903121	---	
17393283	4,967549	4,846179	4,778388	4,974297	4,932754	4,675982	4,8640387	4,861011	-0,00302767	0,997903582	4930471I20Rik	
17413158	4,717615	5,120543	5,138206	5,155642	4,7366	5,075057	4,9921213	4,989099667	-0,00302167	0,997907732	4933409K07Rik // 4933409K07Rik	
17202317	7,417574	6,971803	7,503974	7,552456	7,07567	7,256271	7,2977837	7,294799	-0,00298467	0,997933325	---	
17302376	7,646445	7,895356	7,837406	7,708291	7,852859	7,809156	7,793069	7,790102	-0,002967	0,997945546	Pibf1	
17201829	4,119553	3,710825	4,126892	4,21492	3,749791	3,983678	3,9857567	3,982796333	-0,00296033	0,997950157	---	
17445568	8,424033	8,385296	8,275571	8,299477	8,415043	8,361508	8,3616333	8,358676	-0,00295733	0,997952232	Dmtf1	
17422319	6,58677	6,435802	6,389359	6,365097	6,540277	6,497688	6,4706437	6,467687333	-0,00295633	0,997952924	Wdr8	
17446752	5,804128	5,951826	5,651217	5,9376	5,82854	5,632197	5,8023903	5,799445667	-0,00294467	0,997960994	Gm9899	
17233613	6,450309	6,410327	6,460283	6,417742	6,588445	6,305902	6,4403063	6,437363	-0,00294333	0,997961917	Spock2	
17521143	9,244228	9,275312	9,285259	9,266333	9,265326	9,264315	9,2682663	9,265324667	-0,00294167	0,997963069	Wdr82	
17391993	3,490323	3,540195	3,720999	3,458016	3,607761	3,676936	3,583839	3,580904333	-0,00293467	0,997967912	---	
17326895	8,105388	8,174193	8,113407	8,179403	8,050721	8,154109	8,130996	8,128077667	-0,00291833	0,99797921	Bach1	
17428087	5,394837	5,351463	5,503339	5,401389	5,358912	5,480599	5,4165463	5,413633333	-0,002913	0,997982899	---	
17391150	9,534494	9,56081	9,652318	9,634365	9,535668	9,568878	9,5825407	9,579637	-0,00290367	0,997989356	Trpm7	
17370285	9,093761	9,131816	9,058187	9,033493	9,074107	9,167458	9,094588	9,091686	-0,002902	0,997990509	Mrrf	
17514060	5,835386	5,679077	5,594118	5,672846	5,58753	5,839504	5,7028603	5,69996	-0,00290033	0,997991662	---	
17508188	5,412849	5,367764	5,608559	5,395012	5,705319	5,280169	5,4630573	5,460166667	-0,00289067	0,997998349	Ido1	
17403602	6,085149	6,007448	6,270361	6,132041	6,169459	6,052827	6,120986	6,118109	-0,002877	0,998007803	4930555A03Rik	
17449643	5,833293	5,840364	5,845269	5,896024	5,876126	5,738186	5,839642	5,836778667	-0,00286333	0,998017257	---	
17449644	5,833293	5,840364	5,845269	5,896024	5,876126	5,738186	5,839642	5,836778667	-0,00286333	0,998017257	---	
17416481	8,695895	8,666645	8,577292	8,544253	8,726643	8,660395	8,6466107	8,643763667	-0,002847	0,998028556	Tmem48	
17305885	4,860301	4,61186	4,848413	4,701351	4,837206	4,773531	4,7735247	4,770696	-0,00282867	0,998041239	Slc35f4	
17244102	9,139149	9,216394	9,057469	9,147684	9,099315	9,157537	9,1376707	9,134845333	-0,00282533	0,998043545	Scyl2	
17232116	4,331917	4,338474	4,395094	4,343812	4,263869	4,449352	4,3551617	4,352344333	-0,00281733	0,998049079	Gm10825	
17306477	7,536763	7,723848	7,336335	7,188715	7,561679	7,83814	7,5323153	7,529511333	-0,002804	0,998058303	Slc7a8	
17499784	5,066349	5,170847	5,191215	5,257118	5,088032	5,074886	5,1428037	5,140012	-0,00279167	0,998066835	Gm6696	
17550673	8,769489	8,762261	8,969431	8,781594	8,953745	8,757489	8,833727	8,830942667	-0,00278433	0,998071908	---	
17537527	3,819878	3,779645	3,860071	3,916194	3,781147	3,753971	3,8198647	3,817104	-0,00276067	0,998088281	4921511C20Rik	
17353676	6,152452	6,210987	6,104502	6,1946	6,130103	6,134971	6,1559803	6,153224667	-0,00275567	0,99809174	Nrg2	
17421297	4,394244	4,394244	4,334908	4,498745	4,074452	4,541943	4,3744653	4,371713333	-0,002752	0,998094277	---	
17371976	8,419174	8,309388	8,481138	8,440897	8,360062	8,400503	8,4032333	8,400487333	-0,002746	0,998098428	Scrn3	
17202177	4,169703	3,892073	4,502378	3,977433	4,470896	4,107591	4,1880513	4,185306667	-0,00274467	0,998099351	---	
17239546	5,430236	5,186285	5,322867	5,359761	5,342886	5,228525	5,3131293	5,310390667	-0,00273867	0,998103502	D10Bwg1379e	
17482800	8,478608	8,304013	8,424404	8,512758	8,264802	8,421257	8,4023417	8,399605667	-0,002736	0,998105346	Rbbp6	
17493386	5,751298	5,439469	6,020261	5,73307	5,616823	5,852951	5,7370093	5,734281333	-0,002728	0,998110881	---	
17337599	3,843349	3,96296	4,307319	4,108456	3,819385	4,177641	4,037876	4,035160667	-0,00271533	0,998119644	Olfr123	
17509617	6,25621	6,422086	6,174855	6,270535	6,196827	6,377647	6,2843837	6,281669667	-0,002714	0,998120567	Cpe	
17349460	5,724238	5,553004	5,613107	5,493392	5,681114	5,707724	5,6301163	5,62741	-0,00270633	0,998125871	2010110K18Rik	
17316793	5,538909	5,423539	5,692414	5,678662	5,487437	5,480648	5,5516207	5,548915667	-0,002705	0,998126794	Rspo2	
17459614	8,12711	7,934076	8,259838	8,270705	8,022489	8,019742	8,107008	8,104312	-0,002696	0,99813302	0610030E20Rik	
17347443	4,298839	4,002132	4,232039	4,141341	4,249326	4,134297	4,17767	4,174988	-0,002682	0,998142706	Gm10494	
17419653	5,766185	5,362968	5,970034	5,611817	5,730005	5,749376	5,699729	5,697066	-0,002663	0,998155852	Rps6ka1	
17507940	4,536654	4,1781	3,901002	4,186226	4,362066	4,059475	4,205252	4,202589	-0,002663	0,998155852	Defb9	
17238318	5,301692	5,098189	5,513792	5,446816	5,139774	5,319105	5,3045577	5,301898333	-0,00265933	0,998158388	Mip	
17548260	5,242693	5,230142	5,235385	5,334159	5,099825	5,266371	5,2360733	5,233451667	-0,00262167	0,998184449	Slc29a3	
17347448	4,687074	5,107979	5,080093	4,976274	4,983053	4,908005	4,958382	4,955777333	-0,00260467	0,998196211	Cyp1b1	
17549448	5,210908	5,29045	5,128616	5,146023	5,276207	5,199987	5,2099913	5,207405667	-0,00258567	0,998209358	---	
17549836	5,210908	5,29045	5,128616	5,146023	5,276207	5,199987	5,2099913	5,207405667	-0,00258567	0,998209358	---	
17360440	5,589635	5,740731	5,592687	5,662815	5,629748	5,622755	5,6410177	5,638439333	-0,00257833	0,998214432	Adra2a	
17278408	4,053533	3,800736	4,165545	3,96794	4,028906	4,015266	4,0066047	4,004037333	-0,00256733	0,998222043	---	
17518109	6,817354	6,708403	6,644965	6,705881	6,631835	6,825327	6,723574	6,721014333	-0,00255967	0,998227347	Uaca	
17423340	7,534862	7,307123	7,529286	7,558091	7,500904	7,304713	7,4570903	7,454569333	-0,002521	0,998254102	Tmem67	
17271686	5,271694	5,17757	5,302523	5,19123	5,159549	5,393495	5,2505957	5,248091333	-0,00250433	0,998265634	---	
17325671	5,119775	5,097696	4,930871	5,124211	5,189145	4,827473	5,0494473	5,046943	-0,00250433	0,998265634	Lsamp	
17249151	7,289042	7,403096	7,077595	7,335572	7,192101	7,234592	7,2565777	7,254088333	-0,00248933	0,998276013	Mgat4b	
17220844	8,092647	7,992875	8,134323	8,037877	8,123716	8,050814	8,0732817	8,070802333	-0,00247933	0,998282933	Nek2	
17317407	6,819878	6,880081	7,185621	6,897011	6,937881	7,043275	6,96186	6,959389	-0,002471	0,998288699	---	
17314164	4,61241	4,845546	4,936141	4,872559	4,660493	4,853646	4,7980323	4,795566	-0,00246633	0,998291928	Mapk8ip2	
17456204	9,377042	9,550629	9,310244	9,414757	9,385489	9,430277	9,4126383	9,410174333	-0,002464	0,998293543	Capza2	
17494261	4,450599	4,584272	4,436847	4,443456	4,429192	4,591685	4,4905727	4,488111	-0,00246167	0,998295158	Olfr638 // Olfr638	
17433151	7,283222	7,158811	6,904348	6,920905	7,106744	7,311438	7,1154603	7,113029	-0,00243133	0,998316147	Nmnat1	

17375909	3,020863	2,816184	3,31051	3,026033	3,141637	2,972728	3,0491857	3,046799333	-0,00238633	0,998347287	---
17226062	9,030733	8,990666	8,903587	8,889532	9,136192	8,892105	8,9749953	8,972609667	-0,00238567	0,998347748	Vps4b
17433920	6,508091	6,848722	6,52368	6,655896	6,53998	6,677474	6,626831	6,62445	-0,002381	0,998350978	Pusl1
17411939	8,648284	8,555717	8,386635	8,455477	8,586796	8,541248	8,530212	8,527840333	-0,00237167	0,998357436	Tmem55a
17514657	5,103884	4,831514	5,094285	5,130105	5,255331	4,63714	5,0098943	5,007525333	-0,002369	0,998359282	Gm16833
17451140	7,936133	7,905059	8,066611	8,048412	7,946821	7,905477	7,9692677	7,966903333	-0,00236433	0,998362511	Ulk1
17307588	11,38424	11,32817	11,39097	11,40128	11,31569	11,37932	11,367793	11,36543	-0,00236333	0,998363203	Fdft1
17222371	4,591723	4,71928	4,424898	4,456669	4,655921	4,616243	4,5786337	4,576277667	-0,002356	0,998368278	Tsga10
17512467	4,696171	4,879601	5,02726	4,836289	5,10846	4,651256	4,8676773	4,865335	-0,00234233	0,998377736	Agrp
17526473	3,748899	3,82644	4,315935	3,911103	3,930236	4,04292	3,963758	3,961419667	-0,00233833	0,998380504	Amica1
17511448	3,061955	3,173225	3,112063	2,990097	3,185488	3,164647	3,1157477	3,113410667	-0,002337	0,998381426	---
17307923	11,42987	11,39272	11,32399	11,27345	11,46883	11,39731	11,382193	11,37986333	-0,00233	0,998386271	Bnip3l
17205339	3,720775	3,812085	4,36271	4,163901	4,021278	3,703407	3,96519	3,962862	-0,002328	0,998387655	---
17458308	5,919816	5,940018	5,881435	5,927618	6,03221	5,774491	5,9137563	5,911439667	-0,00231667	0,998395498	Atp6v0e2
17205839	5,507949	5,809256	5,994664	6,195589	5,169243	5,940088	5,770623	5,768306667	-0,00231633	0,998395728	---
17209115	3,870901	3,48904	3,296134	3,735003	3,599985	3,314167	3,552025	3,549718333	-0,00230667	0,998402418	---
17534197	5,600687	5,705603	5,749585	5,782963	5,477314	5,788704	5,6852917	5,682993667	-0,002298	0,998408416	Rhox2b
17543040	5,114845	4,822017	5,047261	4,9853	5,030577	4,961436	4,9947077	4,992437667	-0,00227	0,998427793	Tsga8
17271763	7,396694	6,440163	7,263208	7,191905	6,905011	6,996501	7,033355	7,031139	-0,002216	0,998465165	Cd300lh
17490878	8,136699	8,347372	8,120688	8,039951	8,25142	8,306746	8,2015863	8,199372333	-0,002214	0,998466549	Ppp1r15a
17489369	7,329686	7,332384	7,283672	7,220825	7,423434	7,294937	7,3152473	7,313065333	-0,002182	0,998488696	Usf2
17201071	8,673795	9,128188	8,688562	8,269621	9,172408	9,041984	8,8301817	8,828004333	-0,00217733	0,998491926	---
17203747	5,691628	5,239335	6,055717	5,205032	5,970798	5,804319	5,6622267	5,660049667	-0,002177	0,998492157	---
17201171	3,217769	3,439332	3,224112	3,210555	2,95612	3,708035	3,2937377	3,29157	-0,00216767	0,998498616	---
17448226	3,3283	3,127365	3,270892	3,337227	3,446296	2,936546	3,2421857	3,240023	-0,00216267	0,998502077	---
17382151	5,538443	5,403212	5,431364	5,51618	5,465644	5,384722	5,457673	5,455515333	-0,00215767	0,998505537	Gpr158 // Gpr158
17499011	5,626327	5,35881	5,7897	5,704766	5,428088	5,635532	5,5916123	5,589462	-0,00215033	0,998510613	Rab20
17282886	6,853267	7,014957	6,855638	6,937103	6,807303	6,973083	6,907954	6,90582967	-0,00212433	0,998528608	Aikbh1
17234042	7,724107	7,693327	7,811637	7,76645	7,693782	7,762486	7,7430237	7,740906	-0,00211767	0,998533222	Rhobtb1
17205789	4,221976	4,542388	4,670125	3,740741	5,74591	3,941488	4,478163	4,476046333	-0,00211667	0,998533914	---
17211443	5,021455	5,036406	4,848546	4,966531	4,845316	5,088221	4,9688023	4,966689333	-0,002113	0,998536452	Mir30c-2
17234436	10,61473	10,89663	10,81687	10,79054	10,80511	10,72626	10,776077	10,77397	-0,00210667	0,998540836	Chchd10
17541404	7,790276	7,477133	7,581975	7,569575	7,75729	7,516212	7,6164613	7,614359	-0,00210233	0,998543835	Elf4
17243467	5,313839	5,370777	5,310685	5,332016	5,270543	5,386477	5,331767	5,329678667	-0,00208833	0,998553525	D430050E20Rik
17202937	6,086345	5,60706	5,954626	6,321201	5,50766	5,812975	5,882677	5,880612	-0,002065	0,998569675	---
17480534	5,753839	5,75773	5,684326	5,695887	5,717824	5,775992	5,731965	5,729901	-0,002064	0,998570367	Gdpd5
17527332	6,621246	6,919821	6,684552	6,628848	6,876193	6,714404	6,741873	6,739815	-0,002058	0,99857452	Nrg4
17330188	4,58583	4,82049	5,067694	5,106961	4,688389	4,672506	4,8246713	4,822618667	-0,00205267	0,998578212	Casr
17525733	3,250224	3,112052	2,955128	3,120712	3,209346	2,98122	3,1058013	3,103759333	-0,002042	0,998585595	Olfr44
17293243	9,315577	9,220414	9,228451	9,302943	9,437832	9,017553	9,254814	9,252776	-0,002038	0,998588363	---
17516265	3,241094	3,293749	3,567184	3,590254	3,171328	3,334332	3,3673423	3,365304667	-0,00203767	0,998588594	Olfr954
17311286	8,838126	8,774755	8,617444	8,69742	8,799705	8,727089	8,7434417	8,741404667	-0,002037	0,998589056	Oxr1
17406002	9,845406	10,03555	9,858802	9,871234	9,938693	9,92375	9,9132527	9,911225667	-0,002027	0,998595977	Golim4
17496049	8,45421	8,527997	8,55654	8,491669	8,590099	8,450907	8,5129157	8,510891667	-0,002024	0,998598054	Nsmce1
17508004	3,556587	3,373782	3,63207	3,468367	3,601269	3,486732	3,520813	3,518789333	-0,00202367	0,998598284	---
17447724	2,923463	2,887813	2,797553	2,857982	2,89354	2,851242	2,8696097	2,867588	-0,00202167	0,998599669	---
17512146	3,225337	3,177279	3,221948	3,291088	3,172573	3,154849	3,208188	3,20617	-0,002018	0,998602207	---
17264208	5,141987	5,080221	5,033585	5,086858	5,086054	5,076841	5,0852643	5,083251	-0,00201333	0,998605437	Dnahc9
17243456	11,54791	11,7872	11,75946	11,69616	11,72006	11,67232	11,69819	11,69618	-0,00201	0,998607744	Rpl23a // Rpl23a
17243458	11,54791	11,7872	11,75946	11,69616	11,72006	11,67232	11,69819	11,69618	-0,00201	0,998607744	Rpl23a // Rpl23a
17228846	7,349155	7,440888	7,497301	7,460138	7,41105	7,410127	7,4291147	7,427105	-0,00200967	0,998607975	Prdx6
17457853	3,217712	3,349098	3,199076	3,288317	3,333745	3,137809	3,2552953	3,253290333	-0,002005	0,998611205	Sval1
17302550	8,631729	8,58725	8,536629	8,58855	8,453335	8,707728	8,5852027	8,583204333	-0,00199833	0,99861582	Ndfip2
17294501	3,544143	3,627993	3,5599	3,693109	3,581826	3,451112	3,5773453	3,575349	-0,00199633	0,998617204	Fam81b
17290969	7,92647	7,740371	8,088462	7,91559	7,91814	7,91559	7,9184343	7,91644	-0,00199433	0,998618589	Zfp192 // Zfp192
17484909	7,806101	7,893687	7,754022	7,817027	7,814923	7,815923	7,8179367	7,815957667	-0,001979	0,998629202	Pnpla2
17348672	7,451168	7,237049	7,34482	7,552726	6,957535	7,516843	7,3443457	7,342368	-0,00197767	0,998630125	---
17372842	3,167601	3,265934	3,117084	3,148458	3,013533	3,382733	3,1835397	3,181574667	-0,001965	0,998638893	Olfr1122
17400749	5,936926	5,862864	5,779787	5,842259	5,836638	5,894821	5,859859	5,857906	-0,001953	0,998647199	Gja5
17317266	5,248464	5,380183	5,235785	5,306423	5,297715	5,254436	5,288144	5,286191333	-0,00195267	0,99864743	Fbxo32
17519864	3,62821	3,271773	3,536121	3,545254	3,393678	3,491363	3,4787013	3,476765	-0,00193633	0,998658736	---
17513695	5,945259	5,749382	5,902132	5,759434	6,082474	5,749082	5,865591	5,863663333	-0,00192767	0,998664736	9330133O14Rik // 9330133O14Rik
17364813	7,258285	7,293257	7,313508	7,276235	7,425559	7,15751	7,28835	7,286434667	-0,00191533	0,998673273	Avpi1
17338562	9,356168	9,457335	9,296742	9,34112	9,324726	9,438691	9,3700817	9,368179	-0,00190267	0,998682041	Rab5a
17477520	7,243257	7,222447	7,139838	7,275671	7,190568	7,133602	7,2018473	7,199947	-0,00190033	0,998683656	Kcnc3
17528296	7,239309	7,290568	7,239375	7,099381	7,224884	7,4393	7,2564173	7,254521667	-0,00189567	0,998686887	Trip4
17387502	4,780382	4,777769	4,253356	4,675064	4,39037	4,740435	4,6038357	4,601956333	-0,00187933	0,998698193	---
17204101	3,117283	2,931872	2,635623	3,021266	2,5979	3,059981	2,894926	2,893049	-0,001877	0,998699809	---
17200799	5,758533	5,086165	5,237078	5,494315	5,252657	5,329301	5,360592	5,358757667	-0,00183433	0,998729345	---
17278467	4,294537	4,332099	4,376758	4,29018	4,335986	4,37173	4,3344647	4,332632	-0,00183267	0,998730499	---
17252730	3,689471	3,57555	3,615446	3,541229	3,622291	3,711466	3,6268223	3,624995333	-0,001827	0,998734422	Zfp616
17345230	5,046543	5,198463	5,309479	5,236743	5,11902	5,193248	5,1848283	5,183003667	-0,00182467	0,998736037	Gm7325
17500095	2,924666	3,178888	2,935908	3,074143	3,103973	2,855882	3,013154	3,011332667	-0,00182133	0,998738344	---
17283547	5,704705	6,580274	6,371866	6,672915	5,677307	6,30116	6,2189483	6,217127333	-0,001821	0,998738575	---
17303636	8,294437	8,423357	8,362316	8,309752	8,428673	8,336226	8,3600367	8,358217	-0,00181967	0,998739498	Rpl15
17411401	4,020397	3,775802	3,696185	3,886595	3,971003	3,629344	3,8307947	3,828980667	-0,001814	0,998743421	4930570G19Rik
17292450	6,444597	6,381563	6,288404	6,39662	6,332306	6,380197	6,3715213	6,369707667	-0,00181367	0,998743652	Fgd3
17291904	10,46648	10,43176	10,30124	10,34155	10,4217	10,43079	10,399827	10,39801333	-0,00181333	0,998743883	Ssr1
17538978	5,699123	5,522958	5,806496	5,574311	5,874684	5,574195	5,6761923	5,674396667	-0,00179567	0,998756113	9530051G07Rik
17450529	4,326324	3,947809	4,149586	4,077329	4,092904	4,248109	4,1412397	4,139447333	-0,00179233	0,998758421	Lrrc8d // Lrrc8d
17344441	4,045149	3,88077	3,946644	3,996478	3,897973	3,972764	3,957521	3,955738333	-0,00178267	0,998765113	---
17243122	7,370446	7,50684	7,594142	7,461882	7,517531	7,486676	7,490476	7,488696333	-0,00177967	0,99876719	Timm13
17377210	5,524242	5,379022	5,37587	5,446808	5,44642	5,380611	5,426378	5,424613	-0,001765	0,998777343	4930529M08Rik
17266302	11,08334	11,03824	11,0128	11,22727	10,85561	11,04623	11,044793	11,04303667	-0,00175667	0,998783112	Pipox
17208091	2,699192	2,926896	3,063129	2,857745	3,000279	2,825924	2,8964057	2,894649333	-0,00175633	0,998783343	---
17415174	5,134139	4,888106	4,697786	4,839076	4,949485	4,926205	4,906677	4,904922	-0,001755	0,998784266	---
17417059	3,561785	3,737434	3,620957	3,488561	3,731943	3,694433	3,6400587	3,638312333	-0,00174633	0,998790266	---
17507333	9,234882	9,191384	9,30306	9,271723	9,239528	9,212868	9,2431087	9,241373	-0,00173567	0,998797651	Arglu1
17226418	2,799302	3,049616	2,818277	2,874892	2,781521	3,005597	2,889065	2,887336667	-0,00172833	0,998802728	---
17235243	5,870242	5,554581	5,785866	5,571607	5,828718	5,805324	5,7368963	5,735216333	-0,00168	0,99883619	Efna2
17201181	5,553367	4,770446	4,915812	5,480103	4,548852	5,205652	5,079875	5,078202333	-0,00167267	0,998841268	---
17529199	3,88166	4,075994	4,370617	3,927023	4,320177	4,076061	4,1094237	4,107753667	-0,00167	0,998843114	Impg1
17415744	2,816928	2,872247	2,955684	2,934721	2,816041	2,889096	2,8816197	2,879952667	-0,001667	0,998845191	LOC100862572
17395155	10,76445	10,85804	10,88931	10,98877	10,82835	10,68968	10,837267	10,8356	-0,00166667	0,998845422	Ctsz
17551117	9,459549	9,326018	9,273567	9,357997	9,279505	9,416694	9,3530447	9,351398667	-0,001646	0,99885973	---
17201689	4,248209	3,920815	3,709402	4,145362	3,679067	4,049062	3,9594753	3,957830333	-0,001645	0,998860423	---
17440650	3,488731	3,492201	3,663976	3,426403	3,565288	3,64833	3,5483027	3,546673667	-0,001629	0,9988715	---
17280955	9,180973	9,226922	9,138885	9,199846	9,124234	9,217887	9,18226	9,180655667	-0,00160433	0,998888579	Strn3
17457706	4,204103	4,172861	4,243017	4,354365	4,066853	4,193952	4,2066603	4,205056667	-0,00160367	0,998889041	---
17476690	6,316862	6,391967	6,463234	6,38593	6,314361	6,466971	6,3906877	6,389087333	-0,00160033	0,998891348	4931406P16Rik
17394153	7,573125	7,703124	7,749269	7,717191	7,66321	7,640326	7,6751727	7,673575667	-0,001597	0,998893656	Slpi
17231881	4,616392	4,459294	4,730116	4,497588	4,724167	4,579262	4,601934	4,600339	-0,001595	0,998895041	Il20ra
17202015	5,904724	6,396341	6,850531	6,563214	6,177159	6,406476	6,3838653	6,382283	-0,00158233	0,998903811	---
17203731	2,826034	3,454304	2,979114	3,264223	2,784333	3,206183	3,086484	3,084913	-0,001571	0,998911658	---
17227436	5,638758	5,40571	5,769819	5,533587	5,506471	5,769527	5,6047623	5,603195	-0,00156733	0,998914197	2310006M14Rik
17441610	4,630558	4,397866	4,854804	4,631651	4,590233	4,656649	4,6277427	4,626177667	-0,001565	0,998915813	Tbx5
17492369	5,530274	5,424243	5,242735	5,425506	5,305238	5,461837	5,399084	5,397527	-0,001557	0,998921352	Rhcg
17363862	7,316092	7,416971	7,167701	7,289435	7,135729	7,470935	7,3002547	7,298699667	-0,001555	0,998922737	Ranbp6
17491115	5,520133	5,549358	5,661548	5,503233	5,667962	5,55518	5,577013	5,575458333	-0,00155467	0,998922968	Ush1c
17219811	4,506169	3,930427	4,240959	4,227543	4,218561	4,226789	4,2258517	4,224597667	-0,001554	0,998923429	Wdr64
17200741	5,407934	5,719513	5,303413	5,660808	5,534371	5,231038	5,4769533	5,475405667	-0,00154767	0,998927814	---
17207473	5,102618	5,146494	5,327543	5,202178	5,316747	5,053104	5,1922183	5,190676333	-0,001542	0,998931738	---
17458952	4,943341	4,039288	3,609703	3,831204	4,397132	4,359375	4,197444	4,195903667	-0,00154033	0,998932892	Vmn1r14
17380134	9,271451	9,122163	9,23502	9,11036	9,320423	9,193232	9,2095447	9,208005	-0,00153967	0,998933354	2410001C21Rik
17438233	5,403716	5,319237	5,250953	5,277644	5,448617	5,243059	5,3246353	5,323106667	-0,00152867	0,99894097	Gsx2
17236077	7,804267	7,97157	7,819181	7,892052	7,883985	7,814407	7,865006	7,863481333	-0,00152467	0,99894374	Ric8b
17392541	4,702782	4,452495	4,600126	4,559394	4,644391	4,547057	4,5851343	4,583614	-0,00152033	0,99894674	---
17250009	7,185345	6,938689	7,301757	7,04651	7,223109	7,151661	7,1419303	7,140426667	-0,00150367	0,998958281	Zfp692
17394902	4,646172	4,614545	4,60538	4,704082	4,736302	4,42127	4,6220323	4,620551333	-0,001481	0,998973976	---
17453557	6,994209	7,32778	7,19234	7,188096	7,237112	7,084683	7,171443	7,169963667	-0,00147933	0,99897513	Pom121
17269164	3,882562	3,911968	4,159148	4,042654	3,968058	3,938542	3,9845593	3,983084667	-0,00147467	0,998978361	Krtap4-1
17254751	6,256482	6,14517	6,351547	6,228683	6,246586	6,27352	6,2510663	6,249596333	-0,00147	0,998981593	Sept4
17279167	9,459354	9,811811	9,858651	9,607341	9,818898	9,699175	9,7099387	9,708471333	-0,00146733	0,998983439	Snora28
17279168	9,459354	9,811811	9,858651	9,607341	9,818898	9,699175	9,7099387	9,708471333	-0,00146733	0,998983439	---
17229818	9,250959	9,276687	9,207872	9,211884	9,301987	9,217262	9,2451727	9,243711	-0,00146167	0,998987363	Ncstn
17543918	3,010457	2,944711	2,867803	2,909971	3,056626	2,852041	2,9409903	2,939546	-0,00144433	0,998999365	Mir384
17351364	3,800153	3,745915	3,92789	3,863677	3,889105	3,716859	3,8246527	3,823213667	-0,001439	0,999003058	5330437I02Rik
17497576	5,715003	5,517228	5,90373	5,710939	5,668278	5,752458	5,711987	5,710558333	-0,00142867	0,999010214	Msx3
17301890	7,190132	7,566997	6,93848	7,163657	7,312282	7,215386	7,2318697	7,230441667	-0,001428	0,999010676	Med4
17239714	7,029428	6,82701	6,940316	6,821396	7,055847	6,91523	6,9322513	6,930824333	-0,001427	0,999011368	Tcf21
17549076	6,052331	6,165491	6,307668	6,144614	6,1787	6,197906	6,1751633	6,17374	-0,00142333	0,999013907	---
17391487	7,852121	7,548933	7,770013	7,856428	7,647539	7,662885	7,723689	7,722284	-0,001405	0,999026602	---
17476946	5,556935	5,515191	5,605237	5,6508	5,585638	5,436734	5,559121	5,557724	-0,001397	0,999032142	---
17366760	5,891951	5,686662	5,302514	6,13052	5,294416	5,452003	5,6270423	5,625646333	-0,001396	0,999032835	Mir669j

17271803	5,280416	5,369875	5,467222	5,548932	5,128062	5,436359	5,3725043	5,371117667	-0,00138667	0,999039298	Grin2c	
17393554	6,263058	5,860331	6,019817	6,071976	6,220486	5,846667	6,0477353	6,046376333	-0,001359	0,999058457	---	
17277484	4,112782	3,900794	3,908019	4,166214	3,717371	4,033936	3,973865	3,972507	-0,001358	0,999059149	Gm805 // Gm805	
17401072	6,730625	6,822582	6,616142	6,632196	6,682817	6,850288	6,7231163	6,721767	-0,00134933	0,999065151	Tspan2	
17322181	6,159891	6,009613	6,194388	6,095877	6,090506	6,173487	6,1212973	6,119956667	-0,00134067	0,999071152	Rarg	
17386121	4,80187	4,746791	4,547096	4,749169	4,777498	4,565071	4,6985857	4,697246	-0,00133967	0,999071845	---	
17474235	5,951203	6,008606	5,859844	6,112405	5,837837	5,8654	5,9398843	5,938547333	-0,001337	0,999073692	Psg16	
17439769	7,831964	7,898378	7,846453	7,819257	7,880321	7,873208	7,8589317	7,857595333	-0,00133633	0,999074153	Nudt9	
17444998	4,026103	3,95962	4,241031	4,142544	4,036299	4,043917	4,0755847	4,074253333	-0,00133133	0,999077616	4930588N13Rik	
17336268	8,595935	8,665277	8,320199	8,438136	8,372354	8,766929	8,527137	8,525806333	-0,00133067	0,999078077	Wdr46	
17522451	4,856774	4,756358	4,701351	4,826533	4,7276	4,756358	4,7714943	4,770163667	-0,00133067	0,999078077	Prss42	
17490312	8,773008	8,769923	8,687384	8,737575	8,825461	8,663292	8,7434383	8,742109333	-0,001329	0,999079232	Nr1h2	
17278492	4,457575	4,371157	4,545183	4,41788	4,428265	4,523788	4,4579717	4,456644333	-0,00132733	0,999080386	---	
17362047	6,335364	6,430984	6,46717	6,20981	6,581832	6,437914	6,4111727	6,409852	-0,00132067	0,999085002	2410152P15Rik	
17349745	10,21372	10,15067	10,19485	10,17373	10,19315	10,18841	10,186413	10,18509667	-0,00131667	0,999087773	Ik	
17227729	9,169615	9,174047	8,975486	9,004519	9,19648	9,11423	9,1063827	9,105076333	-0,00130633	0,999094929	Cdc73	
17416753	4,510142	5,467115	3,744872	5,096822	4,589379	4,032043	4,574043	4,572748	-0,001295	0,999102777	---	
17453809	7,840265	8,023523	7,805024	7,826581	7,960109	7,878242	7,889604	7,888310667	-0,00129333	0,999103931	Ap1s1	
17529981	4,122492	4,372659	4,506489	4,341296	4,288165	4,368309	4,33388	4,33259	-0,00129	0,99910624	Foxl2os	
17478726	4,431648	4,490434	4,210661	4,384377	4,394105	4,350449	4,377581	4,376310333	-0,00127067	0,999119629	Gm9962	
17391640	6,801125	6,780108	6,698005	6,975516	6,661697	6,638235	6,759746	6,758482667	-0,00126333	0,999124707	Fam113a	
17284166	7,492357	7,779949	7,76595	7,592623	7,635011	7,806833	7,6794187	7,678155667	-0,001263	0,999124938	5033406O09Rik	
17547749	7,993791	8,049766	7,885377	7,948152	8,002523	7,974472	7,9763113	7,975049	-0,00126233	0,9991254	4933434E20Rik // 4933434E20Rik	
17204835	3,387557	3,415885	3,423396	3,265524	3,527078	3,430453	3,408946	3,407685	-0,001261	0,999126323	---	
17225785	8,746296	8,750433	8,908974	8,892838	8,772881	8,736245	8,801901	8,800654667	-0,00124633	0,999136481	Dtymk	
17515446	7,085944	7,239637	7,087627	7,226206	7,159956	7,023314	7,137736	7,136492	-0,001244	0,999138097	Bbs9	
17229842	8,26079	8,421082	8,60698	8,467294	8,320313	8,497591	8,4296173	8,428399333	-0,001218	0,999156103	Pea15a	
17532653	7,460845	7,596892	7,190425	7,207783	7,721221	7,315528	7,416054	7,414844	-0,00121	0,999161644	---	
17363675	4,674613	4,715346	4,896595	4,784098	4,599699	4,899153	4,7621847	4,760983333	-0,00120133	0,999167646	4931403E22Rik	
17466887	4,960345	4,552378	4,984727	4,771317	4,900373	4,822162	4,8324833	4,831284	-0,00119933	0,999169031	Hoxa11	
17265193	8,752479	8,668724	8,44136	8,556875	8,770625	8,531476	8,6208543	8,619658667	-0,00119567	0,99917157	Alox12	
17308478	10,81153	11,19713	10,92231	10,82	10,67906	11,42834	10,97699	10,9758	-0,00119	0,999175495	---	
17372815	3,054789	3,236261	3,090374	3,041018	3,210549	3,126329	3,1271413	3,125965333	-0,001176	0,999185191	Olfr1094	
17519438	6,4699	6,776511	6,422611	6,403824	6,644886	6,616805	6,5563407	6,555171667	-0,001169	0,999190039	Myo5c	
17231349	4,52393	4,192868	4,760796	4,345187	4,826621	4,302284	4,4925313	4,491364	-0,00116733	0,999191193	Ppp1r14c	
17362111	7,323568	7,426239	7,270348	7,210556	7,510471	7,295629	7,3400517	7,338885333	-0,00116633	0,999191886	Esrra	
17457237	3,754261	3,539922	4,023251	4,074821	3,685161	3,553991	3,772478	3,771324333	-0,00115367	0,999200659	Stra8	
17322735	7,302804	7,207364	7,132971	7,186218	7,3752	7,078281	7,2143797	7,213233	-0,00114667	0,999205507	Mettl22	
17322355	6,407525	6,631388	6,117022	6,416348	6,473104	6,263052	6,3853117	6,384168	-0,00114367	0,999207585	Gpr84	
17278848	4,912894	5,149021	4,963783	5,12328	4,958021	4,940985	5,008566	5,007428667	-0,00113733	0,999211971	Mir539	
17330260	4,2795	3,957755	4,439583	4,166114	4,33893	4,168397	4,2256127	4,224480333	-0,00113233	0,999215434	4930565N06Rik	
17226364	5,108956	5,151703	5,259716	4,918542	5,612439	4,986001	5,1734583	5,172327333	-0,001131	0,999216358	Htr5b	
17326231	3,016222	3,123781	2,741821	3,09848	2,983467	2,796505	2,960608	2,959484	-0,001124	0,999221206	---	
17201019	8,25135	8,658137	8,505649	8,387081	8,445357	8,579326	8,471712	8,470588	-0,001124	0,999221206	---	
17263160	3,494871	3,507347	3,420589	3,52207	3,469216	3,428155	3,474269	3,473147	-0,001122	0,999222591	Olfr329-ps	
17550751	3,789158	3,653979	3,776067	3,683906	3,856873	3,675139	3,7397347	3,738639333	-0,00109533	0,999241061	---	
17454551	7,392612	7,361611	7,432365	7,365911	7,38994	7,427452	7,3955293	7,394434333	-0,001095	0,999241292	Snx8	
17206209	4,443083	5,22223	4,192082	4,658717	4,724248	4,471228	4,6191317	4,618064333	-0,00106733	0,999260455	---	
17202309	5,506693	5,097952	5,413745	5,286986	5,642386	5,085834	5,3394633	5,338402	-0,00106133	0,99926461	---	
17404402	10,44443	10,40907	10,54643	10,39803	10,43165	10,56707	10,466643	10,46558333	-0,00106	0,999265534	Ect2	
17249929	9,782022	9,779323	9,818195	9,824874	9,741426	9,810061	9,79318	9,792120333	-0,00105967	0,999265765	Larp1	
17353839	9,307964	9,137505	9,317432	9,199894	9,315252	9,244614	9,2543003	9,253253333	-0,001047	0,999274538	Hdac3	
17473193	7,80716	7,80225	7,767433	7,793635	7,783411	7,796656	7,792281	7,791234	-0,001047	0,999274538	Cnot3	
17550438	4,770001	4,732119	4,860579	4,850326	4,801965	4,70733	4,7875663	4,786540333	-0,001026	0,999289084	---	
17300157	4,580431	4,444853	4,638654	4,472398	4,582345	4,606132	4,554646	4,553625	-0,001021	0,999292547	---	
17492506	4,155743	4,224067	4,649793	4,676658	4,329488	4,020411	4,343201	4,342185667	-0,00101533	0,999296472	6330403N20Rik // 6330403N20Rik	
17262816	3,575002	3,50859	3,665926	3,611512	3,636275	3,498704	3,5831727	3,582163667	-0,001009	0,999300859	Csf2	
17478433	3,979719	3,858845	4,019729	4,061052	3,854432	3,939788	3,9527643	3,951757333	-0,001007	0,999302244	---	
17493547	5,54361	5,629867	5,827738	5,757835	5,572186	5,668189	5,6670717	5,66607	-0,00100167	0,999305939	Omp	
17234030	6,736764	6,650452	6,919397	6,848938	6,732503	6,722202	6,768871	6,767881	-0,00099	0,99931402	Tmem26	
17411252	4,113911	4,114963	4,265635	4,044778	4,096885	4,349876	4,1648363	4,163846333	-0,00099	0,99931402	St6galnac5	
17206855	4,956464	4,741369	4,455938	5,13932	4,496204	4,515326	4,7179237	4,71695	-0,00097367	0,999325333	---	
17271789	6,281919	6,417148	6,336595	6,416626	6,248547	6,367616	6,3452207	6,344263	-0,00095767	0,999336416	Nat9	
17351473	5,033292	5,134537	5,227807	4,834016	5,43158	5,127182	5,1318787	5,130926	-0,00095267	0,99933988	Slmo1	
17543036	2,825471	2,744178	2,785357	2,897221	2,825471	2,629482	2,785002	2,784058	-0,000944	0,999345883	---	
17533815	3,759955	3,587842	3,720986	3,854249	3,693054	3,518673	3,6895943	3,688658667	-0,00093567	0,999351656	LOC100504847	
17357444	8,890572	9,045504	9,1273	9,034303	9,000009	9,026278	9,0211253	9,020196667	-0,00092867	0,999356504	Fads3	
17444848	4,08534	4,056746	4,337924	4,104125	4,131149	4,241953	4,1600033	4,159075667	-0,00092767	0,999357197	---	
17549010	5,054286	4,989142	4,858881	5,047507	4,945216	4,906819	4,9674363	4,966514	-0,00092233	0,999360892	---	
17264124	6,554901	6,47235	6,60516	6,476109	6,644771	6,508766	6,544137	6,543215333	-0,00092167	0,999361353	Arhgap44	
17489214	4,606827	4,300633	4,54037	4,491109	4,379457	4,574526	4,48261	4,481697333	-0,00091267	0,999367588	Upk1a	
17403681	7,949822	8,002873	7,898366	7,938298	8,025396	7,884663	7,9503537	7,949452333	-0,00090133	0,999375438	Zzz3	
17320307	5,915249	5,893698	6,043596	6,000282	5,971076	5,878508	5,9508477	5,949955333	-0,00089233	0,999381673	Mapk12	
17341489	6,326868	6,34036	6,363127	6,317417	6,345342	6,364929	6,3434517	6,342562667	-0,000889	0,999383982	Zfp213	
17291987	5,945903	5,992758	5,693915	5,848811	5,972452	5,808653	5,8775253	5,876638667	-0,00088667	0,999385598	---	
17356182	10,72864	10,67944	10,77466	10,66156	10,73482	10,78376	10,72758	10,72671333	-0,00086667	0,999399453	Ppp1ca	
17396403	8,35679	8,638515	8,362958	8,369431	8,53171	8,454526	8,4527543	8,451889	-0,00086533	0,999400376	Pld1	
17364126	3,375292	3,815323	3,397485	3,397485	3,44782	3,740207	3,5293667	3,528504	-0,00086267	0,999402224	Gm14446	
17480216	9,057623	9,008638	8,936357	9,000418	8,961534	9,038101	9,0008727	9,000017667	-0,000855	0,999407535	Prcp	
17452498	6,615262	6,622529	6,678059	6,570874	6,797813	6,544641	6,6386167	6,637776	-0,00084067	0,999417464	Kdm2b	
17483772	9,048034	9,236206	8,995108	9,098377	9,146938	9,031533	9,093116	9,092282667	-0,00083333	0,999422544	Sec23ip	
17541053	4,176707	3,899079	4,141941	4,15614	3,888562	4,170532	4,0725757	4,071744667	-0,000831	0,999424161	Rhox4f	
17264469	5,162103	5,468577	5,551529	5,341928	5,357768	5,480072	5,3940697	5,393256	-0,00081367	0,999436168	Rangrf	
17319989	5,480524	5,503541	5,327817	5,39064	5,371799	5,547007	5,437294	5,436482	-0,000812	0,999437323	Ldoc1l	
17467323	4,869389	4,747264	5,225781	5,045379	4,764265	5,03038	4,947478	4,946674667	-0,00080333	0,999443327	Il12rb2	
17387666	3,829334	3,645767	3,597992	3,910295	3,711334	3,449069	3,691031	3,690232667	-0,00079833	0,999446791	Olfr1056	
17461414	9,430032	9,490334	9,197047	9,436201	9,467602	9,211236	9,372471	9,371679667	-0,00079133	0,99945164	Bhlhe40	
17361032	10,32965	10,33719	10,40348	10,27695	10,47135	10,31971	10,356773	10,35600333	-0,00077	0,999466419	Ndufs8	
17303125	3,24619	3,368262	3,287117	3,291289	3,314817	3,293158	3,300523	3,299754667	-0,00076833	0,999467574	LOC100861646	
17464352	4,08039	4,099853	4,047812	4,197972	3,891566	4,136231	4,0760183	4,075256333	-0,000762	0,999471961	1700023A16Rik	
17284402	6,227617	6,871871	6,1671	6,307193	6,408402	6,548724	6,422196	6,421439667	-0,00075633	0,999475887	---	
17499111	5,217686	5,353987	5,202763	5,407095	4,713875	5,65127	5,2581453	5,257413333	-0,000732	0,999492745	---	
17550284	5,217686	5,353987	5,202763	5,407095	4,713875	5,65127	5,2581453	5,257413333	-0,000732	0,999492745	---	
17295093	8,587149	8,797262	8,686967	8,555442	8,764648	8,749109	8,6904593	8,689733	-0,00072633	0,999496671	Aggf1	
17323120	8,078294	8,052034	7,935915	8,040146	7,910539	8,113437	8,022081	8,021374	-0,000707	0,999510065	Nde1	
17549048	2,984189	2,983431	3,070309	3,048977	3,014229	2,972632	3,012643	3,011946	-0,000697	0,999516993	---	
17280426	5,523909	5,528481	5,847209	5,642654	5,644514	5,610388	5,6331997	5,632518667	-0,000681	0,999528078	C630031E19	
17354595	7,550599	7,659986	7,562633	7,504975	7,763683	7,502524	7,5910727	7,590394	-0,00067867	0,999529695	2010002N04Rik	
17210331	7,074574	7,210132	7,072968	7,202139	7,292263	6,861273	7,1192247	7,118558333	-0,00066633	0,99953824	---	
17505375	5,444657	5,42067	5,668477	5,549092	5,420162	5,562564	5,511268	5,510606	-0,000662	0,999541242	Pkd1l3	
17294009	7,10898	7,325077	7,409519	7,22191	7,36316	7,25662	7,281192	7,280563333	-0,00062867	0,999564336	AA987161	
17407124	4,34726	4,473401	4,904187	4,718324	4,550478	4,454175	4,5749493	4,574325667	-0,00062367	0,999567801	Chrnb2	
17406221	8,500802	8,726293	8,355682	8,564307	8,563274	8,45336	8,5275923	8,526980333	-0,000612	0,999575884	Gucy1a3	
17249888	8,652966	8,658731	8,78747	8,67184	8,795708	8,629786	8,6997223	8,699111333	-0,000611	0,999576577	Mfap3	
17351457	4,987889	4,690221	4,676665	4,665248	4,995948	4,691762	4,784925	4,784319333	-0,00060567	0,999580272	Cidea	
17208919	6,735074	6,637276	6,638854	6,931568	6,200572	6,8773	6,6704013	6,669813333	-0,000588	0,999592513	---	
17409958	5,905132	5,92822	6,238232	5,695664	6,40753	5,966666	6,0238613	6,023286667	-0,00057467	0,999601751	Mir760	
17549334	5,244986	5,357775	5,204639	5,180722	5,44358	5,181448	5,2691333	5,268583333	-0,00055	0,999618842	---	
17268313	5,779041	5,629995	5,797627	5,691845	5,713037	5,800142	5,7355543	5,735008	-0,00054633	0,999621382	Hoxb5	
17236411	4,127854	4,096016	4,246486	4,101873	4,131411	4,235467	4,1567853	4,156250333	-0,000535	0,999629235	1500026H17Rik	
17549020	3,288214	3,224682	3,366965	3,241652	3,256344	3,380261	3,293287	3,292752333	-0,00053467	0,999629466	---	
17337549	4,927505	4,850605	4,973688	4,804556	5,077671	4,868015	4,917266	4,916747333	-0,00051867	0,999640552	Olfr96	
17440201	7,176665	7,122558	7,162982	7,020512	7,228123	7,212051	7,1540683	7,153562	-0,00050633	0,999649098	Pigg	
17211230	4,660575	4,438652	4,09984	4,692482	4,282932	4,222137	4,399689	4,399183667	-0,00050533	0,999649791	---	
17458415	4,785821	5,175203	5,534459	5,254784	5,036895	5,202292	5,165161	5,164657	-0,000504	0,999650715	1600015I10Rik	
17492745	6,504931	6,289872	6,747692	6,435379	6,494885	6,610731	6,514165	6,513665	-0,0005	0,999653486	Rps17	
17312920	6,91614	7,185621	7,094055	6,855148	7,153573	7,185621	7,065272	7,064780667	-0,00049133	0,999659492	Micall1	
17549924	7,071019	6,8721	6,697917	6,86623	6,921954	6,851393	6,8803453	6,879859	-0,00048633	0,999662956	---	
17377412	4,298672	3,837733	4,389292	3,856548	4,250587	4,417104	4,1752323	4,174746333	-0,000486	0,999663187	Cst9	
17329145	4,356733	4,213326	4,2183	4,138998	4,450667	4,197258	4,2627863	4,262307667	-0,00047867	0,999668269	Gm16618	
17438661	3,218885	3,373946	3,158001	3,246832	3,343881	3,158696	3,2502773	3,249803	-0,00047433	0,999671271	Csn1s2b	
17434254	5,752869	5,695287	6,067571	6,195076	5,618843	5,700392	5,8385757	5,838103667	-0,000472	0,999672888	Ccl27b // Ccl27b	
17289388	4,771277	4,861683	4,610442	4,775779	4,827253	4,638968	4,7478007	4,747333333	-0,00046733	0,999676122	Gm5086	
17282836	7,714701	7,587716	7,706572	7,624951	7,706143	7,676517	7,669663	7,669203667	-0,00045933	0,999681665	Vipar	
17381717	7,442966	7,437142	7,138603	7,597294	7,370971	7,049082	7,3395703	7,339115667	-0,00045467	0,999684899	Itga8	
17471995	9,531774	9,497136	9,422224	9,628804	9,415288	9,405802	9,4837113	9,483298	-0,00041333	0,99971354	Lrp6	
17358016	3,754777	3,809489	3,800994	3,793736	3,944078	3,626249	3,78842	3,788021	-0,000399	0,999723473	---	
17373565	4,486145	4,444662	4,792754	4,467217	4,549953	4,705217	4,5745203	4,574129	-0,00039133	0,999728785	Gm13807	
17222356	5,834306	5,918344	5,989069	6,095795	5,833838	5,810913	5,9139063	5,913515333	-0,000391	0,999729016	2010300C02Rik	
17273292	7,629206	7,430799	7,525079	7,600162	7,389622	7,594133	7,5283613	7,527972333	-0,000389	0,999730402	Dcxr	
17331918	6,649946	6,79068	6,724729	6,797461	6,807047	6,559752	6,721785	6,72142	-0,000365	0,999747033	Tiam1	
17270305	6,946649	7,072049	6,960481	6,792677	7,168476	7,016937	6,9930597	6,992696667	-0,000363	0,999748419	Ccdc43	
17549116	3,942214	3,933451	3,894186	3,884505	4,029795	3,85451	3,9232837	3,922936667	-0,000347	0,999759507	---	
17542344	5,598002	5,248441	5,345296	5,482289	5,331723	5,376715	5,3972463	5,396909	-0,00033733	0,999766206	Trex2	

17208961	3,882534	4,519585	3,683104	4,519307	3,675121	3,889812	4,0284077	4,02808	-0,00032767	0,999772905	---	
17263532	5,422412	5,405951	5,346664	5,449241	5,406009	5,318804	5,3916757	5,391351333	-0,00032433	0,999775215	4930412M03Rik	
17353108	5,831736	5,682845	5,403911	5,692244	5,508925	5,716363	5,6394973	5,639177333	-0,00032	0,999778217	Zscan30	
17380879	4,390597	4,38504	4,526054	4,571382	4,284619	4,444737	4,433897	4,433579333	-0,00031767	0,999779834	Birc7	
17349136	5,045247	5,109739	5,333483	5,0605	5,190481	5,236682	5,162823	5,162554333	-0,00026867	0,999813792	---	
17479703	5,746554	5,810348	5,775454	5,52296	5,570276	6,238362	5,777452	5,777199333	-0,00025267	0,99982488	Mir1839	
17490282	7,393668	7,645232	7,671887	7,578615	7,686991	7,44444	7,5702623	7,570015333	-0,000247	0,999828807	Pold1	
17543765	5,750769	5,8176	5,800136	5,940526	5,792531	5,634708	5,7895017	5,789255	-0,00024667	0,999829038	Gm5126	
17284557	2,856314	2,845609	2,848087	2,789626	2,875893	2,883758	2,8500033	2,849759	-0,00024433	0,999830655	---	
17458677	4,520203	4,787672	4,52531	4,696836	4,499702	4,635917	4,6110617	4,610818333	-0,00024333	0,999831348	Gm20297	
17467931	3,261698	3,357097	3,322348	3,478725	3,184714	3,276985	3,3137143	3,313474667	-0,00023967	0,99983389	---	
17390433	7,885314	7,987634	7,792802	8,05451	7,603188	8,007405	7,8885833	7,888367667	-0,00021567	0,999850522	Zscan29	
17493034	6,843968	6,83272	6,589267	6,747786	6,843922	6,67363	6,7553183	6,755112667	-0,00020567	0,999857453	Gm6155	
17201451	4,857004	5,410699	5,372847	5,145565	5,146395	5,34799	5,2135167	5,213316667	-0,0002	0,99986138	---	
17445735	6,385603	6,394039	6,590086	6,708517	6,227046	6,433592	6,456576	6,456385	-0,000191	0,999867618	Gnai1	
17274480	4,101091	4,209207	4,134794	4,172483	4,047422	4,224617	4,148364	4,148174	-0,00019	0,999868311	---	
17335127	11,32935	11,59605	11,30481	11,32629	11,46245	11,44092	11,41007	11,40988667	-0,00018333	0,999872931	---	
17229187	5,503295	5,01432	5,563527	5,494953	5,263169	5,322473	5,3603807	5,360198333	-0,00018233	0,999873624	Xcl1	
17325605	4,630931	4,581512	4,556994	4,47367	4,779494	4,515782	4,5898123	4,589648667	-0,00016367	0,999886561	D930030I03Rik	
17530269	11,15109	11,18111	11,03426	11,06756	11,13939	11,15903	11,122153	11,12199333	-0,00016	0,999889103	1300017J02Rik	
17206669	4,422161	4,182265	3,768367	4,257091	4,133836	3,981449	4,1242643	4,124125333	-0,000139	0,999903657	---	
17507342	4,36496	4,2261	4,219732	4,340888	4,256434	4,21306	4,270264	4,270127333	-0,00013667	0,999905274	4933430N04Rik	
17268010	7,442794	7,365182	7,266128	7,182587	7,443238	7,447925	7,3580347	7,357916667	-0,000118	0,999918212	Acsf2	
17542695	9,481842	9,547579	9,472728	9,385679	9,64764	9,468494	9,5007163	9,500604333	-0,000112	0,999922371	G6pdx	
17269206	8,46629	8,223957	8,213531	8,442788	8,206182	8,254482	8,3012593	8,301150667	-0,00010867	0,999924681	---	
17226170	5,285543	5,258802	4,975606	5,134521	5,135495	5,24962	5,173317	5,173212	-0,000105	0,999927222	Gli2	
17426277	7,427103	7,280743	7,336707	7,342532	7,273006	7,42871	7,3481843	7,348082667	-0,00010167	0,999929533	Akna	
17314460	7,918749	8,179152	8,138191	7,852618	8,334151	8,049059	8,0786973	8,078609333	-8,8E-05	0,999939005	Irak4	
17320732	4,428838	4,34774	4,566636	4,450052	4,425821	4,467085	4,447738	4,447652667	-8,5333E-05	0,999940853	9430014N10Rik	
17450378	3,699399	3,660156	4,183433	3,766125	3,892467	3,884189	3,8476627	3,847593667	-6,9E-05	0,999952174	Gm17660	
17264448	6,436728	6,144581	6,127922	6,369271	6,31477	6,024985	6,2364103	6,236342	-6,8333E-05	0,999952636	Arhgef15	
17350378	4,383967	4,223107	4,208041	4,224442	4,352654	4,237858	4,271705	4,271651333	-5,3667E-05	0,999962802	4833403I15Rik	
17410275	4,818284	4,679271	4,880046	4,778133	4,801036	4,798297	4,7925337	4,792488667	-4,5E-05	0,999968809	Egf	
17472362	4,790905	4,749824	4,995858	4,801555	4,691483	5,043425	4,845529	4,845487667	-4,1333E-05	0,99997135	---	
17231088	3,348067	3,337024	3,188719	3,37378	3,452286	3,047623	3,29127	3,291229667	-4,0333E-05	0,999972043	---	
17299559	3,340977	3,551118	3,657074	3,545418	3,685188	3,318495	3,5163897	3,516367	-2,2667E-05	0,999984289	Pnp2	
17353171	7,61599	7,754204	7,667817	7,682446	7,64741	7,708153	7,679337	7,679336333	-6,6667E-07	0,999999538	5730494M16Rik	
17427757	5,176784	5,23801	5,138838	5,176784	5,23721	5,139638	5,184544	5,184544	0	1	---	
17273144	6,455277	6,525308	6,519833	6,529956	6,330131	6,640346	6,5001393	6,500144333	5E-06	1,000003466	---	
17513965	5,914702	5,623634	5,995804	5,761253	5,976153	5,796781	5,8447133	5,844729	1,5667E-05	1,000010859	Dbndd1	
17325454	7,601943	7,69486	7,588404	7,601652	7,665977	7,617627	7,6284023	7,628418667	1,6333E-05	1,000011321	Polq	
17519673	6,669098	6,446125	6,431874	6,425447	6,38423	6,737491	6,515699	6,515722667	2,3667E-05	1,000016405	Gm3776	
17387882	2,982205	3,068451	2,804618	2,915603	2,961149	2,978608	2,951758	2,951786667	2,8667E-05	1,00001987	Olfr1217	
17219418	7,824715	7,792341	7,744981	7,712379	7,793771	7,855982	7,7873457	7,787377333	3,1667E-05	1,00002195	Cd84 // Cd84	
17353267	5,622088	5,874434	6,149143	5,811443	5,858074	5,976261	5,8818883	5,881926	3,7667E-05	1,000026109	Gpr17	
17318971	4,433307	4,331629	4,659528	4,38436	4,544583	4,495635	4,4748213	4,474859333	3,8E-05	1,00002634	1700061J05Rik	
17269250	5,830064	5,509967	4,962825	5,677308	5,296482	5,329188	5,4342853	5,434326	4,0667E-05	1,000028188	Gm11564	
17207371	2,988106	3,261297	3,151224	3,420596	2,937521	3,042635	3,1335423	3,133584	4,1667E-05	1,000028882	---	
17402319	4,858551	4,926777	4,90598	4,945108	5,053873	4,692456	4,8971027	4,897145667	4,3E-05	1,000029806	---	
17454256	7,885386	8,007532	7,872593	7,867097	8,010088	7,888477	7,921837	7,921887333	5,0333E-05	1,000034889	Taf6	
17452776	7,372785	7,326119	7,282569	7,339782	7,211652	7,430249	7,3271577	7,327227667	7E-05	1,000048521	Mphosph9	
17239879	4,674889	4,747419	5,147262	4,539512	5,199771	4,83052	4,8565233	4,856601	7,7667E-05	1,000053836	4930401C15Rik	
17396003	5,959569	6,275838	5,998648	6,123137	6,092956	6,018203	6,0780183	6,078098667	8,0333E-05	1,000055684	Pkia	
17297196	8,002916	7,818462	7,709314	7,841991	7,849926	7,839091	7,843564	7,843669333	0,00010533	1,000073014	Atxn7	
17342414	7,667739	7,606724	7,729613	7,675676	7,731763	7,59696	7,6680253	7,668133	0,00010767	1,000074632	Rhot2	
17521510	5,294406	5,278228	5,465603	5,33881	5,447417	5,252334	5,346079	5,346187	0,000108	1,000074863	Camkv	
17357478	7,636883	7,252466	7,521474	7,160328	7,743449	7,507376	7,4702743	7,470384333	0,00011	1,000076249	1810006K21Rik	
17510129	7,700245	7,651216	7,566524	7,608206	7,660564	7,64958	7,6393283	7,63945	0,00012167	1,000084336	Mpv17l2	
17356563	7,003104	6,972043	6,960254	6,956126	7,028143	6,951509	6,978467	6,978592667	0,00012567	1,000087109	Slc25a45	
17308800	8,159715	8,218669	8,130609	8,033665	8,382905	8,092802	8,1696643	8,169790667	0,00012633	1,000087571	Dnajc15	
17403070	12,68515	12,62769	12,66049	12,64736	12,67618	12,65018	12,657777	12,65790667	0,00013	1,000090113	Adh1	
17448561	2,784333	2,821051	2,898487	2,738905	3,037501	2,727948	2,8346237	2,834784667	0,000161	1,000111603	---	
17489044	3,921427	3,90428	3,625383	3,335186	3,984082	4,132307	3,81703	3,817191667	0,00016167	1,000112065	---	
17323179	4,323628	4,238083	4,446332	4,101796	4,263238	4,643598	4,3360143	4,336210667	0,00019633	1,000136097	---	
17406805	6,663806	6,541706	6,519032	6,406542	6,728127	6,590478	6,574848	6,575049	0,000201	1,000139332	Mir1905	
17506754	7,221415	7,484073	7,456022	7,453801	7,434469	7,273867	7,38717	7,387379	0,000209	1,000144878	Cog2	
17265129	10,03419	10,02729	10,15363	10,06432	10,06713	10,08435	10,071703	10,07193333	0,00023	1,000159437	Acadvl	
17322263	8,149294	8,27	8,228683	8,394594	8,054882	8,199223	8,2159923	8,216233	0,00024067	1,000166831	Atf7	
17244623	4,439113	4,050336	4,106568	4,310626	4,290768	3,99535	4,1986723	4,198914667	0,00024233	1,000167987	Lrriq1	
17513289	8,013493	7,981458	7,985697	7,923691	8,003918	8,053791	7,9935493	7,9938	0,00025067	1,000173764	Maf	
17451884	6,395024	6,606037	6,637922	6,407045	6,759971	6,472748	6,5463277	6,546588	0,00026033	1,000180466	---	
17510223	7,070443	7,073242	7,232814	7,041995	7,204048	7,131268	7,1254997	7,125770333	0,00027067	1,000187629	Ccdc124	
17422170	5,502937	5,710029	5,835916	5,78915	5,5078	5,75283	5,6829607	5,68326	0,00029933	1,000207504	Chd5	
17492218	3,972242	4,012435	3,8396	3,772536	3,913572	4,139104	3,9414257	3,941737333	0,00031167	1,000216054	---	
17520038	3,791716	4,090703	4,270007	4,181451	4,02363	3,948288	4,0508087	4,051123	0,00031433	1,000217903	Ripply2	
17519533	6,399707	6,464387	6,354344	6,21201	6,521199	6,486202	6,406146	6,406470333	0,00032433	1,000224836	Lysmd2	
17312293	5,586639	5,619587	5,471865	5,466005	5,673301	5,539786	5,5593637	5,559697333	0,00033367	1,000231307	Tigd5	
17514980	3,035865	3,217732	3,101383	3,091213	3,218979	3,045808	3,1183267	3,118666667	0,00034	1,000235698	Olfr873	
17550615	9,905293	9,821938	9,719266	9,843458	9,883583	9,720506	9,815499	9,815849	0,00035	1,000242631	---	
17344822	6,097113	5,762578	5,910362	6,048678	5,703812	6,018622	5,923351	5,923704	0,000353	1,000244711	Mog	
17362668	5,060279	5,007508	5,073415	5,033679	5,105513	5,003117	5,0470673	5,047436333	0,000369	1,000255804	---	
17353263	6,532363	6,372589	6,595654	6,531103	6,579187	6,391426	6,500202	6,500572	0,00037	1,000256497	Sft2d3	
17474444	5,987381	5,880695	6,263123	6,158435	5,826936	6,146944	6,043733	6,044105	0,000372	1,000257884	Dmwd	
17306692	6,268964	6,360615	6,161147	6,293952	6,074224	6,423726	6,2635753	6,263967333	0,000392	1,000271751	Fitm1	
17202355	6,084613	5,750571	6,644122	5,889691	6,614108	5,976704	6,1597687	6,160167667	0,000399	1,000276604	---	
17365369	8,166261	8,006193	8,191924	8,217242	8,030375	8,117975	8,1214593	8,121864	0,00040467	1,000280533	Cuedc2	
17440086	6,691214	6,856285	6,740551	6,71517	7,001766	6,572346	6,7626833	6,763094	0,00041067	1,000284693	Rpap2	
17372828	4,101715	3,542094	3,639151	3,632352	4,034363	3,61749	3,7609867	3,761401667	0,000415	1,000287697	Olfr1115	
17295745	8,278239	8,580109	8,276685	8,464294	8,364093	8,307934	8,3783443	8,378773667	0,00042933	1,000297635	Cenph	
17257654	5,751422	5,755149	5,734776	6,021799	5,641542	5,579303	5,7471157	5,747548	0,00043233	1,000299716	---	
17477918	4,05995	4,151128	4,054335	4,130062	4,146818	3,989837	4,088471	4,088905667	0,00043467	1,000301333	Izumo1	
17376677	6,409088	6,168298	6,378663	6,263376	6,427042	6,266945	6,318683	6,319121	0,000438	1,000303645	Bmp2	
17498695	6,17223	6,285788	6,289542	6,246655	6,427587	6,074661	6,2491867	6,249634333	0,00044767	1,000310347	2900053A13Rik	
17408379	4,292949	3,880808	3,919235	3,994835	3,993284	4,106226	4,0309973	4,031448333	0,000451	1,000312658	Spag17	
17259763	6,147859	6,131404	6,191165	6,269848	6,079348	6,122606	6,1568093	6,157267333	0,000458	1,000317512	Limk2	
17421694	9,567812	9,654789	9,586644	9,692547	9,673861	9,444218	9,6030817	9,603542	0,00046033	1,00031913	Srm	
17392123	4,233178	4,263234	4,497186	4,471675	4,28688	4,236478	4,3311993	4,331677667	0,00047833	1,00033161	Pak7	
17235855	4,949862	5,114559	5,022684	4,845311	5,333197	4,910146	5,029035	5,029551333	0,00051633	1,000357959	---	
17405015	4,254086	4,05412	4,134384	4,152781	4,112069	4,179291	4,14753	4,148047	0,000517	1,000358421	---	
17490211	5,302608	5,308866	5,382869	5,219388	5,407744	5,368785	5,3314477	5,331972333	0,00052467	1,000363737	Clec11a	
17290111	4,214521	4,03736	4,357498	4,139972	4,153763	4,317223	4,2031263	4,203652667	0,00052633	1,000364893	Fgf10	
17228871	9,02142	9,163632	9,106338	9,090099	9,034307	9,168564	9,09713	9,097656667	0,00052667	1,000365124	AI848100	
17204737	3,717865	3,367954	3,255854	3,32175	3,811418	3,21012	3,4472243	3,447762667	0,00053833	1,000373214	---	
17405662	4,621397	4,598569	4,665752	4,590332	4,677713	4,619308	4,6285727	4,629117667	0,000545	1,000377837	A730090N16Rik	
17333955	6,563938	6,460753	6,495728	6,238325	6,546299	6,737462	6,5068063	6,507362	0,00055567	1,000385233	3110052M02Rik	
17426981	9,914293	10,00138	10,06167	9,938788	10,06028	9,979958	9,9924477	9,993008667	0,000561	1,000388931	Plin2	
17479942	3,392632	3,49724	3,312102	3,475546	3,416709	3,311417	3,400658	3,401224	0,000566	1,000392398	Olfr297	
17246406	3,598058	3,785094	3,645142	3,613592	3,744729	3,671773	3,676098	3,676698	0,0006	1,000415975	---	
17445996	8,560272	8,632459	8,676226	8,619223	8,597154	8,654427	8,6298857	8,623601333	0,00061567	1,000426839	Orc5	
17330271	3,967113	4,063328	3,955068	3,942712	4,149365	3,895289	3,9951697	3,995788667	0,000619	1,00042915	Stxbp5l	
17272530	11,42909	11,30698	11,34153	11,29123	11,38713	11,40112	11,3592	11,35982667	0,00062667	1,000434467	Srsf2	
17516332	4,222141	4,279017	4,296019	4,194759	4,23018	4,374122	4,2657257	4,266353667	0,000628	1,000435391	Scn3b	
17432895	6,873837	6,868846	6,830672	6,809596	6,914736	6,850934	6,8577855	6,858422	0,000637	1,000441632	Agtrap	
17340774	4,281606	4,75415	4,418447	4,575528	4,337858	4,542754	4,4847343	4,48538	0,00064567	1,000447642	Pacrg	
17540370	4,330947	4,229637	4,345692	4,253987	4,247131	4,407097	4,302092	4,302738333	0,00064633	1,000448104	Ppp1r2-ps9	
17270393	4,093073	3,90707	3,86744	3,907682	4,041281	3,920569	3,955861	3,956510667	0,00064967	1,000450416	2410004I01Rik	
17438886	14,27511	14,27254	14,25687	14,26688	14,26711	14,27248	14,268173	14,26882333	0,00065	1,000450647	Alb	
17335459	8,858018	8,847975	8,747351	8,797207	8,878723	8,779373	8,8177813	8,818434333	0,000653	1,000452728	Srsf3	
17449632	7,189255	7,45086	8,377215	8,173143	7,313777	7,53239	7,6724433	7,673103333	0,00066	1,000457582	---	
17206637	6,367508	6,597279	6,885419	6,916398	6,217908	6,717909	6,6167353	6,617405	0,00066967	1,000464285	---	
17227570	9,579969	9,521523	9,408848	9,456107	9,500669	9,555668	9,5034467	9,504148	0,00070133	1,000486245	Nek7	
17278030	6,581975	6,435369	6,454234	6,477695	6,482888	6,513107	6,490526	6,49123	0,000704	1,000488095	Slc24a4	
17210659	3,299018	4,421464	4,278669	4,424118	3,892966	3,684251	3,999717	4,000445	0,000728	1,000504738	---	
17288257	5,327561	5,674652	5,310771	5,245875	5,427646	5,641655	5,4376613	5,438392	0,00073067	1,000506588	---	
17378860	8,612973	8,697861	8,574078	8,725252	8,559617	8,602243	8,628304	8,629037333	0,00073333	1,000508437	Ralgapb	
17366141	11,03149	11,09383	10,96172	11,00258	11,10228	10,9844	11,029013	11,02975333	0,00074	1,00051306	Prdx3	
17313568	7,287749	7,037064	7,175208	7,075166	7,150787	7,276338	7,1666737	7,167430333	0,00075667	1,000524619	1500032L24Rik	
17397758	9,834872	9,924787	9,752593	9,798584	9,814203	9,90174	9,8374173	9,838175667	0,00075833	1,000525775	Rnf13	
17315023	4,685048	4,531456	4,825238	4,588373	4,588072	4,867579	4,6805807	4,681341333	0,00076067	1,000527393	Gm5475	
17482416	4,48484	4,471068	4,714669	4,446144	4,783944	4,442784	4,556859	4,557624	0,000765	1,000530398	Abca15	
17533213	6,899681	7,040748	6,575821	6,656347	6,834604	7,027599	6,83875	6,839516667	0,00076667	1,000531554	1700012L04Rik	
17216690	7,086684	6,88074	7,00063	6,997834	6,93261	7,03995	6,9893513	6,990131333	0,00078	1,000540801	Ccdc93	
17405834	5,62589	5,778176	5,955179	5,777478	5,716771	5,867348	5,786415	5,787199	0,000784	1,000543575	---	
17232511	4,660174	4,917756	4,761772	4,995624	4,790951	4,555487	4,7799007	4,780687333	0,00078667	1,000545424	Bet3l	

17404711	3,531091	3,318852	3,464647	3,45631	3,398365	3,462292	3,4381967	3,438989	0,00079233	1,000549354	Gm6639 // Gm6639
17366914	3,048902	3,456142	2,991817	3,176812	3,023878	3,298593	3,1656203	3,166427667	0,00080733	1,000559757	---
17425926	3,577185	3,524163	3,411635	3,442536	3,581744	3,491144	3,5043277	3,505141333	0,00081367	1,00056415	LOC100861909 // Mup19 // Mup16 // Mu
17418540	8,189154	8,314434	8,080119	8,063373	8,382635	8,140168	8,194569	8,195392	0,000823	1,000570623	Stk40
17528526	5,431186	5,261436	5,634953	5,530173	5,328103	5,471788	5,442525	5,443354667	0,00082967	1,000575247	C2cd4b
17399904	12,19578	11,9959	11,92995	11,90281	12,09311	12,12822	12,040543	12,04138	0,00083667	1,000580101	Ywhaz // Ywhaz
17282435	7,776554	7,78185	7,680741	7,887124	7,681977	7,672579	7,7463817	7,747226667	0,000845	1,000585881	Numb
17366732	4,298755	4,608024	4,260777	4,391096	4,320177	4,458824	4,3891853	4,390032333	0,000847	1,000587268	---
17281686	7,570626	7,738108	7,693499	7,643529	7,68736	7,673896	7,667411	7,668261667	0,00085067	1,000589811	Nin
17457942	7,635386	7,670304	7,735302	7,755356	7,670304	7,617961	7,6803307	7,681207	0,00087633	1,000607613	Zyx
17510358	4,957571	4,978286	4,774621	5,00228	4,795516	4,915328	4,9034927	4,904374667	0,000882	1,000611543	Nxnl1
17425120	6,932524	6,518519	6,525282	6,751216	6,731925	6,495857	6,658775	6,659666	0,000891	1,000617785	Gm568
17407069	7,203562	7,081597	7,080117	7,176354	7,151938	7,039711	7,1217587	7,122667667	0,000909	1,000630269	Zbtb7b
17550833	3,08376	2,971104	3,075149	3,019888	3,176927	2,935925	3,0433377	3,044246667	0,000909	1,000630269	---
17398020	5,886458	5,910859	6,14279	6,134945	6,102519	5,705384	5,9800357	5,980949333	0,00091367	1,000633506	D630022N01Rik
17201059	6,344707	6,911215	6,458101	6,612217	6,12324	6,981314	6,571341	6,572257	0,000916	1,000635124	---
17520386	4,166861	3,961306	3,691757	3,879894	3,90579	4,037011	3,9399747	3,940898333	0,00092367	1,000640442	4933400C23
17453726	7,320794	7,212339	7,227128	7,187125	7,211585	7,364337	7,2534203	7,254349	0,00092867	1,00064391	Cux1
17290926	7,122585	7,777994	7,462105	7,658854	7,513405	7,193248	7,454228	7,455169	0,000941	1,000652464	---
17387710	3,818441	3,503531	4,163264	3,695756	4,010589	3,781737	3,828412	3,829360667	0,00094867	1,000657782	Olfr141
17343559	6,54759	6,668633	6,879772	6,733728	6,395602	6,969518	6,698665	6,699616	0,000951	1,0006594	Zfp81
17322625	6,131972	5,89887	6,225463	5,940227	6,01524	6,303709	6,085435	6,086392	0,000957	1,000663562	---
17316979	3,54815	3,64374	3,614526	3,639443	3,587879	3,581999	3,6021387	3,603107	0,00096833	1,000671423	Gm19303
17200217	2,961785	3,394255	2,976303	3,347229	2,714503	3,273524	3,110781	3,111752	0,000971	1,000673272	---
17247241	6,578269	6,781662	6,653462	6,58302	6,922323	6,510969	6,671131	6,672104	0,000973	1,00067466	Abca13
17509582	3,722729	3,910637	4,133756	4,039721	3,797973	3,932352	3,922374	3,923348667	0,00097467	1,000675816	Gm4975
17266044	7,135839	7,165126	7,038012	7,031906	7,288682	7,021323	7,1129923	7,113970333	0,000978	1,000678128	Vps53
17307203	6,595347	6,620291	6,336217	6,470369	6,54935	6,53509	6,517285	6,518269667	0,00098467	1,000682752	F630043A04Rik
17322163	5,785483	5,864214	6,137478	5,944492	5,959778	5,885995	5,9290583	5,930088333	0,00103	1,000714197	Itgb7
17393898	5,474352	5,372065	5,623951	5,438245	5,568938	5,466352	5,4901227	5,491178333	0,00105567	1,000732	Emilin3
17455319	5,229411	5,639749	5,369726	5,146951	5,519642	5,57547	5,412962	5,414021	0,001059	1,000734312	Flt3
17290003	12,26185	11,98003	12,28763	12,20962	12,15261	12,17053	12,176503	12,17758667	0,00108333	1,000751191	Mir449b
17375203	7,403272	7,418432	7,240149	7,403463	7,237648	7,424008	7,353951	7,355039667	0,00108867	1,000754891	Adal
17524724	7,127903	7,073896	7,355691	7,117341	7,187296	7,256121	7,18583	7,186919333	0,00108933	1,000755353	Tmed1
17248525	4,054646	4,035418	3,854934	3,811004	4,05531	4,081957	3,981666	3,982757	0,001091	1,00075651	A230004M16Rik
17449798	4,252789	4,337481	4,41396	4,341712	4,529525	4,136267	4,3347433	4,335834667	0,00109133	1,000756741	---
17369861	5,028018	4,693095	4,593912	4,721395	4,890411	4,706494	4,771675	4,772766667	0,00109167	1,000756972	---
17389775	5,809107	5,903103	6,052973	5,960155	6,058197	5,750136	5,9217277	5,922829333	0,00110167	1,000763909	A430105I19Rik
17228864	4,575018	4,605618	4,53376	4,628145	4,4828	4,606762	4,5714653	4,572569	0,00110367	1,000765296	Fasl
17261272	7,003437	7,138828	6,993578	7,095222	7,054953	6,988987	7,045281	7,046387333	0,00110633	1,000767146	Rps27a
17446031	6,915684	6,829322	6,904026	6,814982	6,970916	6,866462	6,8830107	6,88412	0,00110933	1,000769227	5031425E22Rik
17227753	7,503391	7,545084	7,389754	7,491809	7,549051	7,400708	7,4794097	7,480522667	0,001113	1,00077177	Trove2
17481598	3,861197	3,489739	3,243042	3,638022	3,51704	3,442284	3,531326	3,532448667	0,00112267	1,000778476	Olfr476
17411503	8,688947	8,734305	8,631276	8,652651	8,68473	8,720545	8,6848427	8,685975333	0,00113267	1,000785413	Tgs1
17357004	7,332667	7,042773	7,061208	7,249104	7,078517	7,112426	7,1455493	7,146682333	0,001133	1,000785644	Macrod1
17223080	6,416363	6,57175	6,516881	6,372142	6,620728	6,515532	6,5016647	6,502800667	0,001136	1,000787725	Hecw2
17329079	9,215939	9,104679	8,922114	9,047345	9,067113	9,13169	9,0809107	9,082049333	0,00113867	1,000789575	Parl
17506697	8,871683	8,723247	8,483944	8,560341	8,584851	8,9371	8,692958	8,694097333	0,00113933	1,000790038	Rhou
17324794	7,019684	6,980387	6,774553	6,97753	6,991949	6,808599	6,9248747	6,926026	0,00115133	1,000798362	Tctex1d2
17344331	5,178788	5,758778	5,297547	5,413252	5,483298	5,342026	5,4117043	5,412858667	0,00115433	1,000800443	H2-Q4
17419587	7,241511	7,185017	7,194953	7,272172	7,139205	7,213601	7,2071603	7,208326	0,00116567	1,000808305	Slc9a1
17268202	4,585732	4,491344	4,580627	4,720892	4,469419	4,470905	4,5525677	4,553738667	0,001171	1,000812005	---
17212353	13,25018	13,25414	13,24837	13,29093	13,26586	13,19944	13,250897	13,25207667	0,00118	1,000818248	Rpl29 // Rpl29 // Rpl29
17257329	3,588691	3,104827	3,451309	3,20902	3,494681	3,444714	3,381609	3,382805	0,001196	1,000829348	---
17304134	5,422225	5,622344	5,427209	5,565633	5,625604	5,284136	5,4905927	5,491791	0,00119833	1,000830966	D930049A15Rik
17537003	8,319006	8,517453	8,213921	8,425962	7,923628	8,704393	8,3501267	8,351327667	0,001201	1,000832816	Uprt
17452343	5,7254	5,845788	6,010406	5,841068	5,909953	5,834198	5,8605313	5,861739667	0,00120833	1,000837904	Ccdc63
17376391	9,476556	9,482396	9,726933	9,634789	9,58226	9,472469	9,5619617	9,563172667	0,001211	1,000839754	Atrn
17227818	3,059482	2,844691	3,089061	3,069173	3,078883	2,848816	2,9977447	2,998957333	0,00121267	1,00084091	---
17326956	11,86358	11,93833	11,87886	11,98899	11,79373	11,90176	11,89359	11,89482667	0,00123667	1,00085756	Sod1
17265789	3,270299	3,278605	3,123178	3,176458	3,337365	3,162	3,2240273	3,225274333	0,001247	1,000864728	Olfr391-ps
17467782	7,161736	6,933719	7,16459	7,114365	7,204901	6,944546	7,0866817	7,087937333	0,00125567	1,000870741	Elmod3
17539191	6,928829	7,002564	6,732564	6,759198	6,814633	7,093915	6,8879857	6,889248667	0,001263	1,000875828	A830080D01Rik
17393131	5,968067	5,989624	5,983143	5,838239	6,148358	5,958056	5,980278	5,981551	0,001273	1,000882766	Snta1
17245692	4,982821	5,161872	4,954733	5,014106	5,247593	4,841558	5,033142	5,034419	0,001277	1,000885541	03/10/17
17215968	9,664188	9,766402	9,704547	9,675197	9,71975	9,744028	9,7117123	9,712991667	0,00127933	1,00088716	Ppp1r7
17234936	5,834713	6,230566	6,238173	5,975233	6,342596	5,989502	6,1011507	6,102443667	0,001293	1,000896641	Hcn2
17467516	3,454571	3,266002	3,416024	3,453794	3,205479	3,481208	3,3788657	3,380160333	0,00129467	1,000897797	Igk-V28
17506226	5,937169	5,617167	5,758774	5,770473	5,798769	5,747787	5,7710367	5,772343	0,00130633	1,000905891	---
17485924	4,629061	4,695919	4,660514	4,664466	4,728922	4,596058	4,6618313	4,663148667	0,00131733	1,000913523	Il11
17429355	8,341907	8,209171	8,295542	8,330853	8,255173	8,264637	8,2822067	8,283554333	0,00134767	1,000934568	Ybx1
17229280	4,641049	4,611862	4,479552	4,461948	4,725986	4,548587	4,5774877	4,578840333	0,00135267	1,000938037	---
17391450	7,70751	7,429241	7,816056	7,967833	7,641607	7,347445	7,6509357	7,652295	0,00135933	1,000942662	---
17523126	5,679629	5,740079	5,639847	5,760776	5,695369	5,607503	5,6865183	5,687882667	0,00136433	1,000946131	Ttc21a
17389113	2,957821	3,019558	3,059922	3,160385	2,960809	2,920203	3,0124337	3,013799	0,00136533	1,000946825	---
17290318	3,602498	3,429474	3,345742	3,251645	3,499334	3,630832	3,459238	3,460603667	0,00136567	1,000947056	1700016G22Rik
17415919	3,876428	3,633284	4,017574	3,87483	4,062963	3,593615	3,8424287	3,843802667	0,001374	1,000952838	---
17550685	13,31767	13,33151	13,26098	13,29683	13,33085	13,28661	13,303387	13,30476333	0,00137667	1,000954688	---
17210519	5,033405	5,330099	5,647375	5,506078	5,071433	5,437513	5,3369597	5,338341333	0,00138167	1,000958157	---
17229574	3,241971	3,000852	3,391266	3,143062	3,187136	3,308087	3,211363	3,212761667	0,00139867	1,000969952	---
17370079	8,407103	8,477262	8,464033	8,462066	8,460592	8,429973	8,449466	8,450877	0,001411	1,000978509	Mapkap1
17524677	6,821383	6,876543	6,877975	6,859708	6,929204	6,791225	6,8586337	6,860045667	0,001412	1,000979203	Kri1
17520835	4,919781	4,838189	4,888929	5,006523	4,702136	4,942493	4,8822997	4,883717333	0,00141767	1,000983135	Ky
17400339	9,108259	9,132853	9,097173	9,208688	9,056525	9,077387	9,1127617	9,1142	0,00143833	1,000997474	Arnt
17380427	11,46737	11,51664	11,54231	11,57108	11,46645	11,49311	11,508773	11,51021333	0,00144	1,00099863	0610010B08Rik // 0610010B08Rik
17380434	11,46737	11,51664	11,54231	11,57108	11,46645	11,49311	11,508773	11,51021333	0,00144	1,00099863	0610010B08Rik // 0610010B08Rik
17260720	7,536177	8,012223	7,671494	7,652677	7,550688	8,020855	7,7399647	7,741406667	0,001442	1,001000018	---
17299922	4,722494	4,439244	4,676882	4,856954	4,516608	4,469409	4,6128733	4,614323667	0,00145033	1,0010058	---
17216353	7,189154	7,162626	7,152975	7,31476	7,041841	7,152522	7,1682517	7,169707667	0,001456	1,001009732	Zcchc2
17473633	2,97468	3,02689	2,879339	2,996341	2,870712	3,018262	2,960303	2,961771667	0,00146867	1,00101852	---
17307726	8,027995	8,025885	7,913248	8,064279	7,94955	7,957707	7,9890427	7,990512	0,00146933	1,001018983	Extl3
17253478	6,886584	7,04733	7,021832	7,165114	6,859891	6,935205	6,9852487	6,986736667	0,001488	1,001031935	Rab34
17405819	5,307147	5,414079	5,358515	5,283094	5,344505	5,456709	5,3599137	5,361436	0,00152233	1,001055758	B3galnt1
17385836	4,0178	3,59559	3,723123	3,638761	3,863336	3,838996	3,7788377	3,780364333	0,00152667	1,001058765	---
17265285	5,25487	5,022313	5,455086	5,266102	5,340695	5,130068	5,2440897	5,245621667	0,001532	1,001062465	Chrne
17432725	3,026902	3,49519	3,142392	3,052558	3,649786	2,966844	3,2214947	3,223062667	0,001568	1,001087446	1700095A21Rik
17485741	3,712101	3,584576	3,837183	3,671759	3,752374	3,714442	3,7112867	3,712858333	0,00157167	1,00108999	---
17331280	3,18078	2,957048	3,103138	3,16041	3,225602	2,859672	3,080322	3,081894667	0,00157267	1,001090684	1700022E09Rik
17281081	3,971226	3,694293	3,653501	3,759823	3,713143	3,850778	3,7730067	3,774581333	0,00157467	1,001092072	---
17221266	10,58678	10,44322	10,44728	10,4766	10,65637	10,34912	10,492427	10,49403	0,00160333	1,001111964	---
17549478	7,450469	7,507551	7,475261	7,277931	7,616495	7,543674	7,4777603	7,479366667	0,00160633	1,001114046	---
17549624	7,450469	7,507551	7,475261	7,277931	7,616495	7,543674	7,4777603	7,479366667	0,00160633	1,001114046	---
17364111	4,770499	4,585979	4,64318	4,827628	4,55007	4,626781	4,6665527	4,668159667	0,001607	1,001114508	Ch25h
17325533	8,694044	8,689718	8,536636	8,506522	8,696181	8,722596	8,6401327	8,641766333	0,00163367	1,001133013	Lrrc58
17261622	4,779825	4,583041	4,481319	4,38818	4,683872	4,777045	4,6147283	4,616365667	0,00163733	1,001135557	Kcnip1
17302061	7,595393	7,778992	7,712279	7,708679	7,663482	7,719429	7,6955547	7,697196667	0,001642	1,001138796	Nufip1
17494197	5,00138	5,192113	4,927635	5,214928	5,048839	4,862313	5,040376	5,042026667	0,00165067	1,00114481	Olfr624
17239845	11,24915	11,31238	11,4028	11,38457	11,25356	11,33123	11,321443	11,32312	0,00167667	1,001162852	Arg1
17360920	6,21432	6,104967	6,265639	6,293375	6,174181	6,122411	6,1949753	6,196555667	0,00168033	1,001165397	Ighmbp2
17458323	3,848787	3,554969	3,91273	3,604743	3,904692	3,812109	3,772162	3,773848	0,001686	1,001169329	Gm5111
17379521	6,200678	5,855083	5,91199	5,984213	6,057765	5,930857	5,9892503	5,990945	0,00169467	1,001175344	---
17382244	3,833851	3,826113	3,893257	3,785535	4,017682	3,755114	3,8510737	3,852777	0,00170333	1,001181358	Gm13417
17551143	9,873895	9,817986	9,763292	9,767133	9,866045	9,82712	9,818391	9,820099333	0,00170833	1,001184828	---
17459355	5,510403	5,42255	5,166123	5,460256	5,361763	5,282196	5,3663587	5,368071667	0,001713	1,001188066	---
17489983	4,468006	4,488452	4,503159	4,464227	4,492083	4,508459	4,486539	4,488256333	0,00171733	1,001191074	A230077H06Rik
17344608	4,206346	4,309775	4,226442	4,036734	4,281084	4,429939	4,247521	4,249252333	0,00173133	1,001200789	H2-T3
17287249	5,04635	4,908155	4,475574	4,821936	4,845275	4,768129	4,8100263	4,81178	0,00175367	1,001216288	Gm19484
17399840	5,929077	5,840814	6,00216	5,803673	6,127498	5,846159	5,924017	5,925776667	0,00175967	1,001220452	Gm7166
17297495	6,728691	6,732896	6,825998	6,852176	6,968558	6,472204	6,7625283	6,764312667	0,00178433	1,001237571	Fut11
17499788	5,962777	5,764939	6,217666	5,63764	6,232324	6,080777	5,981794	5,983580333	0,00178633	1,001238959	Defa26
17257954	4,158579	4,255607	4,291889	4,276027	4,186974	4,248469	4,2353583	4,237156667	0,00179833	1,001247287	4933434M16Rik
17365134	7,280363	7,301512	7,581867	7,400651	7,374478	7,394009	7,387914	7,389712667	0,00179867	1,001247518	Ndufb8
17232356	2,964985	2,984166	2,971429	2,843028	3,125758	2,957197	2,9735267	2,975327667	0,001801	1,001249138	---
17535089	4,544226	4,395295	4,525	4,531845	4,306766	4,631398	4,4881737	4,490003	0,00182933	1,001268801	4930550L24Rik
17524355	3,343515	3,341563	3,558644	3,367681	3,393155	3,488379	3,414574	3,416405	0,001831	1,001269958	Olfr867
17201645	5,607783	5,326512	4,989363	5,501724	5,242556	5,184884	5,307886	5,309721333	0,00183533	1,001272966	---
17311331	4,131098	4,032833	3,85794	3,878228	4,175002	3,974189	4,0072903	4,009139667	0,00184933	1,001282682	Trhr
17245831	7,012395	7,083423	7,014651	7,064591	6,945103	7,106333	7,036823	7,038675667	0,00185267	1,001284996	Mbd6
17333418	7,864661	7,89584	7,535811	7,820302	7,74438	7,737244	7,7654373	7,767308667	0,00187133	1,001297951	Mllt4
17373857	8,612545	8,658895	8,271384	8,579287	8,409073	8,560088	8,5142747	8,516149333	0,00187467	1,001300265	Cstf3
17202163	5,125515	5,49728	4,085919	4,796571	4,664783	5,253008	4,9029047	4,904787333	0,00188267	1,001305817	---
17300006	4,010372	3,285891	3,531747	3,699973	3,508988	3,624702	3,6093367	3,611221	0,00188433	1,001306974	---
17419902	4,841641	4,796561	5,045794	4,99681	4,933529	4,759392	4,8946653	4,896577	0,00191167	1,001325945	Myom3
17247158	7,541883	7,530343	7,560685	7,56687	7,505536	7,566272	7,5443037	7,546226	0,00192233	1,001333348	Ccm2

17507014	10,48449	10,6245	10,53478	10,53434	10,57545	10,53976	10,547923	10,54985	0,00192667	1,001336356	Itgb1
17337684	3,995538	3,886525	4,009335	3,968931	3,944873	3,983422	3,9637993	3,965742	0,00194267	1,001347461	Gm5494
17406450	8,807083	9,178561	9,295405	9,304817	9,164547	8,817519	9,093683	9,095627667	0,00194467	1,001348849	Snord73a
17459260	5,638729	5,58665	5,58047	5,663918	5,499006	5,648827	5,6019497	5,603917	0,00196733	1,001364582	E230016M11Rik
17201095	8,973102	9,282442	8,88628	8,874831	9,116956	9,155945	9,0472747	9,049244	0,00196933	1,00136597	---
17203931	6,118875	5,575267	6,082395	5,580783	5,99436	6,207304	5,9255123	5,927482333	0,00197	1,001366433	---
17313647	6,389358	6,468112	6,396353	6,500144	6,271185	6,488413	6,417941	6,419914	0,001973	1,001368515	Bik
17244054	6,326808	6,469339	6,578867	6,450267	6,493953	6,436726	6,458338	6,460315333	0,00197733	1,001371523	---
17351232	8,133624	8,096499	8,005706	8,022172	8,124083	8,09556	8,0786097	8,080605	0,00199533	1,001384017	Wdr7
17252401	9,035773	8,229356	8,174271	8,531565	8,488142	8,42568	8,4798	8,481795667	0,00199567	1,001384248	---
17540273	7,890767	8,079244	7,951392	7,855318	7,96128	8,110828	7,973801	7,975808667	0,00200767	1,001392577	1810030O07Rik
17410390	12,17576	12,03399	12,01398	12,12935	12,04534	12,05507	12,074577	12,07658667	0,00201	1,001394197	Hadh
17406399	3,851419	3,823076	3,867021	3,892136	3,758911	3,896515	3,847172	3,849187333	0,00201533	1,001397899	---
17240572	5,527042	5,666481	5,640604	5,484592	5,467772	5,88784	5,6113757	5,613401333	0,00202567	1,001405071	Ostm1
17464850	5,725147	5,563179	5,829832	5,85148	5,649157	5,623612	5,7060527	5,708083	0,00203033	1,001408311	Thsd7a
17366558	3,598291	3,546824	3,571381	3,529796	3,614698	3,578093	3,5721653	3,574195667	0,00203033	1,001408311	---
17225283	6,458256	6,535763	6,553129	6,50277	6,521947	6,528525	6,515716	6,517747333	0,00203133	1,001409005	Gm19582
17208953	7,131363	6,673668	6,243255	6,944096	6,649419	6,460896	6,682762	6,684803667	0,00204167	1,001416177	---
17506477	6,971766	7,087855	7,15013	7,179323	6,921055	7,115499	7,069917	7,071959	0,002042	1,001416409	2810013P06Rik
17338305	5,370168	5,140674	5,447951	5,403191	5,145766	5,415977	5,3195977	5,321644667	0,002047	1,001419879	Frs3
17304203	9,101438	9,083673	9,082781	9,012377	9,193522	9,06818	9,0892973	9,091359667	0,00206233	1,001430523	Slmap
17341170	4,510143	4,428072	4,521096	4,356206	4,61311	4,496197	4,486437	4,488504333	0,00206733	1,001433993	Gm5091
17333066	4,380359	4,35186	4,356628	4,374907	4,363571	4,356586	4,362949	4,365021333	0,00207233	1,001437464	Ccr6
17286838	5,011974	4,995602	5,025658	5,058316	4,801583	5,179585	5,011078	5,013161333	0,00208333	1,0014451	Phactr1
17550691	11,35276	11,28375	11,2207	11,23277	11,23688	11,39385	11,285737	11,28783333	0,00209667	1,001454355	---
17480041	7,436807	7,276747	7,333913	7,341579	7,333281	7,378914	7,3491557	7,351258	0,00210233	1,001458289	AI314278
17205233	6,37712	6,031557	6,149484	6,32042	6,375541	5,868507	6,1860537	6,188156	0,00210233	1,001458289	---
17209423	6,37712	6,031557	6,149484	6,32042	6,375541	5,868507	6,1860537	6,188156	0,00210233	1,001458289	---
17454345	6,917341	6,943305	6,956654	6,880768	6,949495	6,993346	6,9391	6,941203	0,002103	1,001458751	Pdgfa
17207095	8,977972	8,523394	9,234452	8,912705	8,733059	9,096383	8,9119393	8,914049	0,00210967	1,001463379	---
17275612	6,554367	6,636139	6,511733	6,526686	6,496661	6,685287	6,567413	6,569544667	0,00213167	1,001478651	Mipol1
17443104	6,16383	6,08619	6,126024	6,278945	6,092423	6,011086	6,125348	6,127484667	0,00213667	1,001482122	---
17210753	4,000513	3,856663	3,755266	4,341926	3,336683	3,940255	3,870814	3,872954667	0,00214067	1,001484898	---
17536036	2,964056	3,27541	3,141074	2,8922	3,31621	3,178565	3,1268467	3,128991667	0,002145	1,001487907	---
17511161	5,015129	5,591005	5,683281	5,18912	5,50488	5,601861	5,429805	5,431953667	0,00214867	1,001490452	Dand5
17273460	6,482025	6,610146	6,242552	6,43358	6,485654	6,421946	6,4449077	6,44706	0,00215233	1,001492997	Sectm1a
17419443	8,697376	8,676277	8,657515	8,700098	8,640001	8,697548	8,677056	8,679215667	0,00215967	1,001498088	Eya3
17354219	4,221292	4,342899	4,11505	4,36995	4,143283	4,172514	4,2264137	4,228582333	0,00216867	1,001504336	Trim36
17384951	8,190403	8,242116	8,181316	8,217635	8,223225	8,179506	8,2046117	8,206788667	0,002177	1,00151012	Zeb2
17483075	7,564596	7,819698	7,805941	7,720926	7,817889	7,657968	7,7300783	7,732261	0,00218267	1,001514054	Bola2
17202117	5,102137	5,301558	5,569376	5,43957	5,54898	4,991122	5,324357	5,326557333	0,00220033	1,001526318	---
17361741	8,277084	8,38806	8,37656	8,331621	8,383223	8,333473	8,3472347	8,349439	0,00220433	1,001529095	Ehbp1l1
17521194	7,073566	7,006339	7,083912	7,053577	7,065926	7,050953	7,0546057	7,056818667	0,002213	1,001535112	Dusp7
17474224	4,952622	5,001851	4,970023	4,961857	4,972414	4,996883	4,974832	4,977051333	0,00221933	1,001539508	Pnmal2
17298897	3,018415	3,28238	3,339166	2,866804	3,261838	3,518003	3,2133203	3,215548333	0,002228	1,001545525	---
17491147	6,185203	6,391894	6,314804	6,355433	6,236364	6,306813	6,2973003	6,299536667	0,00223633	1,00155131	Sergef
17514621	5,787186	6,000587	6,015671	5,856344	6,097376	5,856434	5,9344813	5,936718	0,00223667	1,001551542	Mir1899
17487086	3,950151	3,560831	4,031967	3,663167	3,943254	3,943254	3,8476497	3,849891667	0,002242	1,001555244	Psg21
17389467	4,545282	5,011672	4,80994	4,855136	4,74768	4,770822	4,7889647	4,791212667	0,002248	1,001559409	Grem1
17383788	4,997157	4,742013	4,861733	4,869225	4,869225	4,869225	4,8669677	4,869225	0,00225733	1,001565889	---
17523608	9,861916	9,808118	9,582614	9,734406	9,7623	9,762715	9,7508827	9,753140333	0,00225767	1,00156612	Sacm1l
17522577	8,186595	8,209518	8,000918	8,050551	8,165796	8,187457	8,1323437	8,134601333	0,00225767	1,00156612	Lrrfip2
17282821	6,85804	6,956684	6,861	6,919324	6,99185	6,771344	6,891908	6,894172667	0,00226467	1,00157098	Tmed8
17324064	9,958392	10,13325	9,989117	10,0317	10,05499	10,00088	10,02692	10,02919	0,00227033	1,001574914	Eif4g1
17393501	11,12759	11,16783	11,16393	11,18216	11,15897	11,12505	11,153117	11,15539333	0,00227667	1,001579311	Rbm39
17443461	7,294594	7,170012	7,409795	7,349528	7,262378	7,269361	7,291467	7,293755667	0,00228867	1,001587642	Rabl5
17518224	4,065319	3,692606	3,858305	3,84532	3,80013	3,977674	3,8720767	3,874374667	0,002298	1,001594121	---
17321148	8,600404	8,695624	8,67454	8,625575	8,611207	8,740685	8,656856	8,659155667	0,00229967	1,001595279	Senp1
17544385	7,920345	7,940639	7,860754	7,983076	7,856524	7,889059	7,907246	7,909553	0,002307	1,00160037	Tspan6
17461703	8,249342	8,383527	7,975704	8,162642	8,190511	8,262351	8,2028577	8,205168	0,00231033	1,001602684	Il17rc
17342392	7,912812	7,921741	8,047683	7,913422	7,955561	8,020195	7,9607453	7,963059333	0,002314	1,00160523	Jmjd8 // Jmjd8
17281843	8,370409	8,297082	8,211105	8,235907	8,314993	8,334646	8,2928653	8,295182	0,00231667	1,001607081	Dhrs7
17204901	6,756241	7,418169	6,721171	7,233028	6,975367	6,69415	6,9651937	6,967515	0,00232133	1,001610321	---
17357362	7,20045	7,172276	7,090092	7,270257	7,125172	7,074358	7,1542727	7,156595667	0,002323	1,001611478	Tut1
17548129	10,51355	10,72723	10,70989	10,67432	10,6446	10,63873	10,650223	10,65255	0,00232667	1,001614024	Rps17 // Rps17 // Rps17 // Rps17
17255362	5,26622	5,144862	5,279921	5,43839	5,209953	5,049666	5,2303343	5,232669667	0,00233533	1,001620041	Tac4
17276352	6,483821	6,50748	6,518893	6,302761	6,666935	6,547699	6,503398	6,505798333	0,00240033	1,001665169	Snapc1
17230842	6,744006	6,827284	6,554924	6,603962	6,89727	6,632249	6,708738	6,711160333	0,00242233	1,001680444	Rrp15
17216942	7,316872	7,538027	7,444225	7,422432	7,261345	7,622676	7,4330413	7,435484333	0,002443	1,001694793	AA986860
17279324	6,415683	6,402866	6,551507	6,46624	6,424463	6,486772	6,4566853	6,459158333	0,002473	1,001715623	Inf2
17370332	5,018661	4,824316	4,588833	4,872488	4,889267	4,677517	4,8106033	4,813090667	0,00248733	1,001725575	Olfr340
17339075	3,502754	3,338122	3,237281	3,39857	3,372583	3,314492	3,3593857	3,361881667	0,002496	1,001731593	---
17262337	11,51481	11,27745	11,30544	11,22082	11,52999	11,35438	11,3659	11,36839667	0,00249667	1,001732056	---
17544795	5,326482	5,138048	5,300846	5,351525	5,14647	5,274923	5,2551253	5,257639333	0,002514	1,001744091	Mcart6
17334749	7,304072	7,174977	7,321742	7,213836	7,298958	7,295553	7,2669303	7,269449	0,00251867	1,001747332	Narfl
17535296	3,15278	3,181895	3,1542	3,022744	3,473366	3,000332	3,1629583	3,165480667	0,00252233	1,001749877	---
17524411	9,682757	9,812317	9,698112	9,676715	9,808426	9,715684	9,731062	9,733608333	0,00254633	1,001766542	Zfp266
17289382	4,982143	4,832476	5,02722	4,969523	4,892516	4,987538	4,9472797	4,949859	0,00257933	1,001789457	---
17442324	4,747826	4,783304	4,857267	4,721739	4,824316	4,85008	4,7961323	4,798711667	0,00257933	1,001789457	Diablo
17489940	6,590652	6,229296	6,321161	6,509105	6,19922	6,440543	6,3803697	6,382956	0,00258633	1,001794318	---
17258714	7,401556	7,581909	7,375825	7,436982	7,419719	7,510349	7,4530967	7,455683333	0,00258667	1,001794549	Sec14l1
17420425	8,33794	8,269203	8,256168	8,283845	8,30826	8,278967	8,2877703	8,290357333	0,002587	1,00179478	Hp1bp3
17242320	5,436319	5,206249	5,69313	5,440697	5,435662	5,467115	5,4452327	5,447824667	0,002592	1,001798252	Gm3250
17233104	4,82578	4,818363	4,93187	4,612767	4,99581	4,975239	4,858671	4,861272	0,002601	1,001804502	Bves
17327130	5,19169	5,66047	5,352216	5,353136	5,340701	5,51839	5,4014587	5,404075667	0,002617	1,001815612	Gm10785
17329774	6,884995	6,93423	6,874588	6,880753	7,034702	6,786212	6,8979377	6,900555667	0,002618	1,001816307	0610012G03Rik
17264295	6,80589	6,84268	6,787651	6,803788	6,953207	6,687136	6,8120737	6,814710333	0,00263667	1,001829269	2310004I24Rik
17498738	6,504056	6,220263	6,581351	6,361983	6,493168	6,458437	6,4352233	6,437862667	0,00263933	1,001831121	Trappc5
17206551	4,662354	3,903832	3,776406	3,992141	4,026072	4,332328	4,1141973	4,116847	0,00264967	1,001838297	---
17307459	4,208455	4,35259	4,607905	4,385124	4,465977	4,325832	4,38965	4,392311	0,002661	1,001846167	1700109G14Rik
17311128	4,640921	4,759609	4,741701	4,759623	4,830877	4,559721	4,714077	4,716740333	0,00266333	1,001847787	---
17312072	3,5376	3,345695	3,472664	3,454326	3,461196	3,448447	3,4519863	3,454656333	0,00267	1,001852417	Gm19782
17225999	8,794642	8,948868	8,828062	8,92693	8,971342	8,681355	8,8571907	8,859875667	0,002685	1,001862833	Pign
17346412	8,939167	8,942232	8,842218	8,898062	8,931381	8,902262	8,9078723	8,910568333	0,002696	1,001870472	Gtf2f1
17536067	8,599742	8,828743	8,399969	8,904193	8,244641	8,687757	8,6094847	8,612197	0,00271233	1,001881815	Tmem47
17368200	3,448254	3,479338	3,507405	3,396484	3,567757	3,478907	3,4783323	3,481049333	0,002717	1,001885055	Gm13539
17346894	5,052258	4,969126	5,108745	5,066354	5,122906	4,949022	5,0433763	5,046094	0,00271767	1,001885518	Lrrc30
17292084	7,421609	7,451977	7,374457	7,498219	7,431798	7,326221	7,4160143	7,418746	0,00273167	1,001895241	9530008L14Rik
17232951	9,882159	9,853579	9,777046	9,765841	9,910086	9,845079	9,8375947	9,840335333	0,00274067	1,001901491	Sec63
17257928	4,752242	4,826768	4,732111	4,736613	4,87866	4,704073	4,7703737	4,773115333	0,00274167	1,001902185	Kcnj16
17204215	5,966454	5,880882	6,222754	6,430974	5,788575	5,858768	6,0233633	6,026105667	0,00274233	1,001902648	---
17537218	3,990553	3,700773	3,604348	3,699207	3,797086	3,807617	3,7652247	3,76797	0,00274533	1,001904732	---
17527883	6,488647	6,425343	6,258518	6,565827	6,30232	6,3126	6,390836	6,393582333	0,00274633	1,001905426	Lrrc49
17534090	3,515996	3,480634	3,346625	3,416336	3,335807	3,599352	3,4477517	3,450498333	0,00274667	1,001905658	Gm6268
17373572	4,554874	4,297667	4,320354	4,378511	4,385969	4,416695	4,390965	4,393725	0,00276	1,001914917	Gm10804
17546762	7,878145	7,907177	7,780373	8,088739	7,601687	7,883606	7,8552317	7,858010667	0,002779	1,001928112	Mid1 // Mid1
17335998	3,825521	3,675645	3,844707	3,744872	3,735147	3,874212	3,7819577	3,784743667	0,002786	1,001932974	Cyp4f40
17316764	4,032058	4,006506	4,208818	3,967983	3,982856	4,304947	4,0824607	4,085262	0,00280133	1,001943623	---
17314512	5,164543	5,066222	5,006088	4,951221	5,141953	5,152185	5,078951	5,081786333	0,00283533	1,001967236	Gm4371
17500941	9,283607	9,311332	9,101297	9,274923	9,259315	9,170505	9,2320787	9,234914333	0,00283567	1,001967467	Ufsp2
17287613	9,489908	9,554968	9,447183	9,518004	9,511822	9,470762	9,497353	9,500196	0,002843	1,00197256	Nsd1
17544952	5,273692	5,489202	5,708259	5,46043	5,625695	5,393625	5,4903843	5,49325	0,00286567	1,001988303	---
17249702	8,733598	8,580309	8,453759	8,633997	8,611618	8,53067	8,589222	8,592095	0,002873	1,001993396	Fnip1
17242276	4,260921	4,121902	4,66162	4,236452	4,737735	4,078924	4,3481477	4,351037	0,00288933	1,00200474	Gm10941
17344578	5,30737	5,327364	5,185296	5,353635	5,217725	5,257355	5,2733433	5,276238333	0,002895	1,002008676	H2-Bl
17219694	4,487726	4,937216	4,487282	4,685919	4,863944	4,371059	4,637408	4,640307333	0,00289933	1,002011685	Olfr420
17511075	7,436745	7,391137	7,369297	7,353793	7,425951	7,426192	7,3990597	7,401978667	0,002919	1,002025345	Mir181c
17245648	10,7005	10,7186	10,48446	10,61349	10,64822	10,65061	10,63452	10,63744	0,00292	1,002026039	Slc16a7
17357541	10,78493	10,71348	11,12004	10,88635	10,99154	10,74933	10,872817	10,87574	0,00292333	1,002028355	---
17503841	6,83132	6,881895	6,565734	6,649076	6,859874	6,778811	6,7596497	6,762587	0,00293733	1,002038078	Lpcat2
17467260	4,898568	4,647868	4,539748	4,827192	4,669679	4,598129	4,6953947	4,698333333	0,00293867	1,002039004	A730020E08Rik
17431663	4,512579	4,312596	4,553687	4,483309	4,42313	4,481266	4,4596207	4,462568333	0,00294767	1,002045256	1700037C06Rik
17490502	8,107941	8,032018	8,074711	8,042408	8,079269	8,101851	8,0715567	8,074509333	0,00295267	1,002048728	Prmt1
17260524	5,610796	5,644789	5,58802	5,734868	5,608805	5,508834	5,614535	5,617502333	0,00296733	1,002058915	Pkd1l1
17359210	3,812972	3,794393	3,738657	3,922008	3,673083	3,759841	3,7820073	3,784977333	0,00297	1,002060768	---
17507094	8,138233	8,272688	8,235671	8,149854	8,358659	8,146997	8,2155307	8,218503333	0,00297267	1,00206262	Xab2
17276020	7,183151	7,509618	7,162853	7,312311	7,174017	7,378214	7,2852073	7,288180667	0,00297333	1,002063083	Frmd6
17550671	8,131664	8,115015	8,398644	8,138151	8,35839	8,157705	8,2151077	8,218082	0,00297433	1,002063777	---
17223115	3,376998	3,997876	4,011702	3,979363	3,753428	3,662747	3,7955253	3,798512667	0,00298733	1,002072807	---
17500973	3,317223	3,198531	3,595381	3,617826	3,246493	3,255812	3,3703783	3,373377	0,00299867	1,002080679	---
17252253	5,95616	5,651177	5,690096	5,942222	5,575033	5,789199	5,765811	5,768818	0,003007	1,002086467	---
17366428	5,376216	5,479878	5,644864	5,516468	5,471276	5,522244	5,5003193	5,503329333	0,00301	1,002088551	Cdnf
17453533	9,077331	9,117502	8,932848	8,912191	9,110579	9,113975	9,0425603	9,045581667	0,00302133	1,002096423	---
17356108	6,729212	6,877508	7,030252	6,969428	6,761493	6,91512	6,8789907	6,882013667	0,003023	1,002097581	Pitpnm1

17357591	5,347747	5,64341	5,618437	5,479103	5,520326	5,619251	5,5365313	5,53956	0,00302867	1,002101517	A430093F15Rik
17365403	7,655193	7,713261	7,528707	7,753138	7,602713	7,55042	7,632387	7,635423667	0,00303667	1,002107074	Arl3
17436839	6,906535	6,88548	6,78622	6,770288	6,972919	6,844166	6,8594117	6,862457667	0,003046	1,002113557	Acox3
17442863	8,466801	8,500919	8,473415	8,506771	8,361452	8,582064	8,4803783	8,483429	0,00305067	1,002116798	Sfswap
17257896	4,785068	4,825905	5,429348	4,966137	4,730275	5,353079	5,0134403	5,016497	0,00305667	1,002120966	---
17205323	4,498957	3,951935	4,514606	4,323331	3,86321	4,788145	4,3218327	4,324895333	0,00306267	1,002125134	---
17449538	10,62907	10,69154	10,79511	10,52994	10,82842	10,76655	10,70524	10,70830333	0,00306333	1,002125597	---
17547855	4,512497	4,297809	4,523901	4,440961	4,480026	4,422427	4,4447357	4,447804667	0,003069	1,002129533	---
17255476	6,94218	6,828898	6,976418	7,176067	6,946026	6,634684	6,915832	6,918925667	0,00309367	1,002146667	4833417C18Rik
17231203	6,0414	6,129892	6,157291	6,132389	6,048511	6,15702	6,1095277	6,11264	0,00311233	1,002159634	Traf3ip3
17237608	6,550202	6,435623	6,481155	6,677374	6,340721	6,458231	6,4889933	6,492108667	0,00311533	1,002161718	Grip1
17441122	9,018728	8,859326	8,783575	8,982465	8,845853	8,842684	8,8872097	8,890334	0,00312433	1,002167969	Srsf9
17454335	7,701166	7,741614	7,793185	7,624781	7,681977	7,938596	7,7453217	7,748451333	0,00312967	1,002171674	Zfp68
17542078	3,118006	3,062555	3,225862	3,076068	3,312285	3,027479	3,1354743	3,138610667	0,00313633	1,002176305	Mir880
17389260	4,511504	4,411988	4,48699	4,604466	4,308247	4,507218	4,4701607	4,473310333	0,00314967	1,002185567	---
17341390	3,599019	3,71494	3,757523	3,776825	3,720393	3,583723	3,690494	3,693647	0,003153	1,002187883	LOC100862544
17470576	5,66956	5,792549	5,795637	5,754687	5,63129	5,881228	5,752582	5,755735	0,003153	1,002187883	---
17320474	7,1829	7,424045	7,428745	7,342711	7,370819	7,331653	7,34523	7,348394333	0,00316433	1,002195756	Tymp
17259868	11,17203	11,11293	11,13007	11,29124	10,99606	11,13723	11,138343	11,14151	0,00316667	1,002197377	---
17404269	7,176762	7,204275	7,175858	7,25006	7,260208	7,056132	7,1856317	7,1888	0,00316833	1,002198535	Pde7a
17538850	3,478987	3,525277	4,046746	3,908864	3,58173	3,569955	3,68367	3,686849667	0,00317967	1,002206408	---
17372765	3,473125	3,474691	3,80464	3,697482	3,402591	3,661948	3,584152	3,587340333	0,00318833	1,002212428	Olfr1018
17388284	6,22448	5,896754	6,239699	6,148838	5,990571	6,231109	6,120311	6,123506	0,003195	1,002217059	Mdk
17235998	4,205809	4,257952	4,509976	4,413089	4,400147	4,170102	4,324579	4,327779333	0,00320033	1,002220764	4930463O16Rik
17334427	5,688863	5,464367	5,94945	5,715366	5,838612	5,558316	5,7008933	5,704098	0,00320467	1,002223775	Hs3st6
17230602	7,787115	7,869742	7,791538	7,804792	7,827203	7,826092	7,8161317	7,819362333	0,00323067	1,002241837	Fbxo28
17301365	5,126029	4,82371	5,079974	4,99049	5,212348	4,836583	5,0099043	5,013140333	0,003236	1,002245542	Fbxo16
17232195	3,211628	3,45446	3,080481	3,369136	3,352927	3,034227	3,2488563	3,252096667	0,00324033	1,002248552	Taar7f
17457688	5,152376	4,649526	4,929122	4,992214	4,7227	5,025851	4,9103413	4,913588333	0,003247	1,002253184	---
17268647	5,492092	5,394162	5,438735	5,395801	5,535364	5,403569	5,441663	5,444911333	0,00324833	1,00225411	Fbxo47
17546180	4,666703	4,563101	4,864031	4,724332	4,675195	4,704059	4,697945	4,701195333	0,00325033	1,002255499	Amelx
17440620	10,11693	9,822636	9,634655	9,761158	9,814687	10,00814	9,8580737	9,861328333	0,00325467	1,00225851	Pitpnb
17236934	7,481406	7,64553	7,507378	7,395857	7,650519	7,597749	7,5447713	7,548041667	0,00327033	1,002269394	Cep290
17474454	7,311154	7,131549	7,372952	7,029093	7,230295	7,566092	7,271885	7,27516	0,003275	1,002272636	Dmpk
17344706	6,982216	7,030527	6,898063	6,93535	7,100968	6,884335	6,9702687	6,973551	0,00328233	1,00227773	Trim39
17460133	6,60252	6,645765	6,536792	6,535813	6,510278	6,748846	6,5950257	6,598312333	0,00328667	1,002280741	Nagk
17551063	8,877497	8,896842	8,867949	8,816422	8,767957	9,067792	8,8807627	8,884057	0,00329433	1,002286067	---
17484940	8,754719	8,800689	8,67238	8,750045	8,728581	8,759081	8,742596	8,745902333	0,00330633	1,002294404	Cd151
17471510	6,264585	6,243569	6,21457	6,198054	6,091383	6,443215	6,240908	6,244217333	0,00330933	1,002296488	4922502D21Rik
17446669	5,037468	4,935206	5,086226	4,769553	5,361611	4,937699	5,0196333	5,022954333	0,003321	1,002304593	Gpr113
17547495	3,034267	2,947003	2,896706	3,084678	2,952885	2,850471	2,9593253	2,962678	0,00335267	1,002326594	LOC100862254
17227505	4,508827	4,464551	4,487403	4,585082	4,365891	4,519895	4,486927	4,490289333	0,00336233	1,00233331	9230116N13Rik
17262352	11,10476	11,27076	10,96763	11,1518	11,00024	11,2012	11,114383	11,11774667	0,00336333	1,002334005	---
17245798	4,765493	4,692972	4,755088	4,687066	4,751516	4,785107	4,737851	4,741229667	0,00337867	1,002344658	Kif5a
17386297	7,3169	7,158238	7,132802	7,220621	7,094737	7,302728	7,2026467	7,206028667	0,003382	1,002346974	Fastkd1
17548549	5,342009	5,23519	5,175094	5,234113	5,308424	5,21999	5,2507643	5,254175667	0,00341133	1,002367354	Edem1 // Edem1
17421999	6,146907	6,065343	6,128284	5,914373	6,499328	5,937111	6,1135113	6,116937333	0,003426	1,002377544	Uts2
17505283	8,517697	8,590746	8,448039	8,355324	8,626283	8,585172	8,5188273	8,522259667	0,00343233	1,002381945	Wwp2
17482793	4,681695	4,411939	4,620529	4,546642	4,631414	4,546442	4,5713877	4,574832667	0,003445	1,002390745	Cacng3
17224727	8,597399	8,325191	8,472695	8,448967	8,480302	8,476356	8,465095	8,468541667	0,00344667	1,002391903	---
17316719	4,026418	4,108719	4,197227	4,285768	4,088509	3,968444	4,110788	4,114240333	0,00345233	1,002395841	2310043O21Rik
17281607	7,580757	7,494345	7,510617	7,676651	7,28046	7,638974	7,528573	7,532028333	0,00345533	1,002397925	---
17300666	6,381369	6,219488	6,650951	6,578672	6,386928	6,296575	6,4172693	6,420725	0,00345567	1,002398157	Ltb4r1
17226435	6,013725	6,07223	6,237388	5,999111	6,192098	6,14253	6,107781	6,111246333	0,00346533	1,002404873	Gpr39
17255466	5,747546	5,732199	6,05384	5,966266	5,677307	5,900469	5,8445283	5,848014	0,00348567	1,002419001	Gngt2
17433787	6,419898	6,048487	6,324929	6,31396	6,317723	6,172144	6,264438	6,267942333	0,00350433	1,002431971	Gabrd
17433879	5,641821	5,830145	5,854574	5,818694	5,724792	5,793579	5,7755133	5,779021667	0,00350833	1,002434751	Vwa1
17206177	5,828494	5,756085	5,795956	6,199541	5,528818	5,662711	5,7935117	5,797023333	0,00351167	1,002437067	---
17540092	4,752513	4,272629	4,933154	4,757929	4,516435	4,694478	4,6527653	4,656280667	0,00351533	1,002439614	Ssxb2
17548910	11,60062	11,49578	11,51899	11,54024	11,58518	11,50053	11,538463	11,54198333	0,00352	1,002442857	Arf1 // Arf1
17308565	5,6554	5,669128	5,483067	5,622336	5,513727	5,682107	5,6025317	5,606056667	0,003525	1,002446331	---
17493081	3,042332	2,929116	2,861059	3,14179	2,810006	2,891294	2,944169	2,947696667	0,00352767	1,002448184	Vmn2r72-ps
17433359	5,563918	5,496568	5,473953	5,452652	5,539174	5,553273	5,5114797	5,515033	0,00355333	1,002466019	Camta1
17375183	5,645663	5,784796	5,672643	5,560678	5,755884	5,797236	5,701034	5,704599333	0,00356533	1,002474357	---
17274658	7,568038	7,31461	7,171046	7,271594	7,416178	7,376627	7,3512313	7,354799667	0,00356833	1,002476442	Tssc1
17285322	6,858836	6,792608	7,000297	6,878971	7,023733	6,759749	6,8839137	6,887484333	0,00357067	1,002478063	Gng4
17531856	3,499334	3,56083	3,685526	3,514096	3,427307	3,815021	3,5818967	3,585474667	0,003578	1,002483159	4921528I07Rik
17471357	13,68924	13,74336	13,76798	13,77617	13,74042	13,69474	13,733527	13,73711	0,00358333	1,002486865	Pzp
17538538	5,190504	4,62827	4,392799	4,907022	4,631096	4,684213	4,737191	4,740777	0,003586	1,002488718	Ott
17203327	6,250032	6,489238	6,402526	7,023612	6,119941	6,009001	6,3805987	6,384184667	0,003586	1,002488718	---
17550625	6,055114	5,644054	5,915902	5,627611	6,250449	5,747829	5,87169	5,875296333	0,00360633	1,002502847	---
17220166	8,979615	9,000452	8,925752	8,892487	9,0694	8,954757	8,9686063	8,972214667	0,00360833	1,002504236	Acbd3
17428091	5,003101	4,872849	5,036638	5,004086	4,825458	5,093876	4,9708627	4,974473333	0,00361067	1,002505858	---
17540323	6,157067	5,819873	6,37884	6,417617	5,878054	6,070972	6,1185933	6,122214333	0,003621	1,002513038	---
17456804	7,905063	7,887703	8,004867	7,906722	7,968284	7,933496	7,9325443	7,936167333	0,003623	1,002514428	Nrf1
17300167	3,332975	3,337551	3,343484	3,232852	3,390555	3,40151	3,3380033	3,341639	0,00363567	1,00252323	---
17224971	8,869515	8,907727	8,86045	8,878189	8,86134	8,909089	8,8792307	8,882872667	0,003642	1,002527631	Pid1
17326816	9,047815	9,018304	8,998652	8,920977	9,126243	9,028499	9,0215903	9,025239667	0,00364933	1,002532727	Gabpa
17460809	6,69663	6,622878	6,700266	6,766785	6,742842	6,521119	6,673258	6,676915333	0,00365733	1,002538286	Zxdc
17285454	2,98762	2,984868	2,930728	2,936202	3,039259	2,938728	2,9677387	2,971396333	0,00365767	1,002538518	Mir466i
17512696	6,890509	6,927364	6,992215	6,646323	7,166219	7,008524	6,936696	6,940355333	0,00365933	1,002539676	Cog8
17376229	4,990808	5,018332	5,208246	5,115471	5,146126	4,966785	5,072462	5,076127333	0,00366533	1,002543846	Tmc2
17418252	8,826215	8,933523	8,626801	8,717495	8,833221	8,84683	8,795513	8,799182	0,003669	1,002546394	Rragc
17368347	3,403583	3,754525	3,423175	3,534757	3,481362	3,576263	3,5270943	3,530794	0,00369967	1,002567704	Mir126
17467747	8,160495	8,429879	8,269519	8,259335	8,441765	8,169903	8,286631	8,290334333	0,00370333	1,002570253	Vamp8
17524858	6,105603	6,114825	6,259121	6,025674	6,155551	6,309437	6,1598497	6,163554	0,00370433	1,002570947	Rgl3
17380711	8,437976	8,600167	8,387098	8,366013	8,549941	8,520408	8,4750803	8,478787333	0,003707	1,002572801	Osbpl2
17351222	2,903899	2,879339	2,808502	2,870167	2,900901	2,831841	2,8639133	2,867636333	0,003723	1,00258392	---
17475725	6,924538	6,425864	6,356674	6,445963	6,550999	6,721289	6,5690253	6,572750333	0,003725	1,002585309	Zfp607
17495298	7,615573	7,805798	7,672225	7,936714	7,763999	7,404058	7,6978653	7,701590333	0,003725	1,002585309	---
17430968	5,978068	5,91828	6,103212	5,974972	6,057734	5,978068	5,9998533	6,003591333	0,003738	1,002594344	Sytl1
17374214	3,150236	3,187284	3,183909	3,202992	3,281996	3,047712	3,1738097	3,177566667	0,003757	1,002607548	Olfr1318
17203315	6,369048	6,881172	6,818303	6,830946	7,094075	6,15483	6,6895077	6,693283667	0,003776	1,002620752	---
17279837	5,407895	5,414054	5,477571	5,527242	5,461665	5,32195	5,4331733	5,436952333	0,003779	1,002622837	4930417G10Rik
17246435	3,868965	3,679435	3,901603	3,873511	4,052022	3,535811	3,8166677	3,820448	0,00378033	1,002623763	Olfr810
17534720	10,62089	10,6647	10,47106	10,50288	10,55483	10,71037	10,58555	10,58936	0,00381	1,002644381	Hprt
17550853	3,839713	3,836407	3,86985	3,948599	3,944943	3,663865	3,8486567	3,852469	0,00381233	1,002646003	---
17291774	5,181564	5,303515	5,046733	5,330951	5,235685	4,976639	5,1772707	5,181091667	0,003821	1,002652026	4930447K03Rik
17494097	5,649399	5,45724	5,617283	5,623638	5,539426	5,572322	5,5746407	5,578462	0,00382133	1,002652257	---
17458537	4,397751	4,305481	4,524848	4,186512	4,616024	4,437053	4,40936	4,413196333	0,00383633	1,002662682	5430402O13Rik
17216638	6,56329	6,205791	6,277025	6,291162	6,391095	6,375427	6,348702	6,352561333	0,00385933	1,002678667	Tmem185b
17548193	8,271717	8,293726	8,28533	8,255363	8,303213	8,303797	8,283591	8,287457667	0,00386667	1,002683764	Vim // Vim
17507262	9,612658	9,56662	9,45333	9,478718	9,599335	9,566201	9,5442027	9,548084667	0,003882	1,002694421	Timm44
17501436	3,723759	3,67607	3,559664	3,798635	3,566606	3,605915	3,6531643	3,657052	0,00388767	1,002698359	---
17216775	4,599427	5,506581	4,577106	4,892563	5,006667	4,795552	4,8943713	4,898260667	0,00388933	1,002699518	---
17506512	6,228147	6,102331	6,258685	6,294768	6,12921	6,176886	6,1963877	6,200288	0,00390033	1,002707163	Cpne7
17227160	6,828926	6,631331	6,896468	6,858968	6,733848	6,775634	6,785575	6,789483333	0,00390833	1,002712723	Ppp1r12b
17549054	4,194669	4,80787	4,725652	4,862888	4,36978	4,507274	4,5760637	4,579980667	0,003917	1,002718747	---
17510770	4,273083	4,12081	4,183647	4,470745	3,809582	4,308971	4,1925133	4,196432667	0,00391933	1,002720368	Gm20202
17354995	11,59184	11,70062	11,73828	11,59115	11,72271	11,72864	11,676913	11,68083333	0,00392	1,002720832	Fech
17376972	3,871898	3,761892	3,889267	4,082699	3,824319	3,62781	3,841019	3,844942667	0,00392367	1,00272338	---
17340239	5,980729	6,010285	5,802978	5,916337	5,901871	5,987576	5,9313307	5,935261333	0,00393067	1,002728245	Socs5
17351420	4,414085	4,477298	4,815451	4,52902	4,516811	4,672799	4,5689447	4,572876667	0,003932	1,002729172	Gm9926
17203293	2,828397	3,272663	3,148956	3,292046	2,917728	3,052086	3,0833387	3,087286667	0,003948	1,00274029	---
17408648	7,268481	7,240997	7,207368	7,300372	7,055906	7,372425	7,2389487	7,242901	0,00395233	1,002743305	Olfml3
17417530	6,039715	5,950246	6,107508	6,014806	6,034633	6,059897	6,0324897	6,036445333	0,00395567	1,002745622	Mutyh
17402558	10,18616	10,28277	10,20771	10,37371	10,01438	10,30045	10,225547	10,22951333	0,00396667	1,002753267	Elovl6
17439604	3,742941	3,420951	3,52754	3,525174	3,713601	3,464558	3,5638107	3,567777667	0,003967	1,002753499	---
17504130	5,526358	5,080177	5,391027	5,262673	5,241522	5,505282	5,3325207	5,336492333	0,00397167	1,002756742	Cx3cl1
17445775	8,390565	8,413431	8,241826	8,297931	8,438623	8,321186	8,3486073	8,35258	0,00397267	1,002757437	Rsbn1l
17373943	5,175767	5,054925	5,247697	5,18651	5,175767	5,128054	5,159463	5,163443667	0,00398067	1,002762998	Pax6
17488392	8,163243	8,444844	8,295735	8,315019	8,352508	8,248261	8,301274	8,305262667	0,00398867	1,002768558	Timm50
17512329	8,025344	8,200434	8,165743	8,146712	8,127417	8,129399	8,130507	8,134509333	0,00400233	1,002778058	Fam96b
17216402	4,027117	4,055825	4,499313	4,003103	4,250976	4,340209	4,194085	4,198096	0,004011	1,002784082	Serpinb5
17536669	8,436687	8,335253	8,304642	8,382807	8,317287	8,388544	8,3588607	8,362879333	0,00401867	1,002789411	Med12
17496920	9,322208	9,388973	9,173341	9,201595	9,37221	9,322828	9,2948407	9,298877667	0,004037	1,002802154	Mcmbp
17212750	9,278886	10,81287	8,662	9,710556	9,593953	9,4614	9,5845853	9,588636333	0,004051	1,002811885	Stat1
17374098	9,137811	8,98572	8,78715	9,038994	8,88673	8,997215	8,970227	8,974313	0,004086	1,002836214	Lgr4
17214578	4,743758	4,334276	4,761635	4,517964	4,578229	4,755755	4,613223	4,617316	0,004093	1,00284108	Tmem198
17549560	3,872882	3,773301	3,831809	3,77324	3,633547	4,083519	3,8259973	3,830102	0,00410467	1,002849189	---
17320090	6,453763	6,055305	6,338444	6,385069	6,510832	5,96393	6,282504	6,286610333	0,00410633	1,002850348	2210021J22Rik
17302343	3,306303	3,269619	3,503402	3,408607	3,417261	3,265776	3,3597747	3,363881333	0,00410667	1,00285058	---
17286375	6,084791	5,635562	5,597612	5,832579	5,794516	5,703291	5,772655	5,776795333	0,00414033	1,002873982	Serpinb9b
17238492	6,311773	6,026425	6,245794	6,245794	6,041951	6,308691	6,194664	6,198812	0,004148	1,002879312	---

17370789	4,459656	3,814177	4,09967	4,383033	4,175856	3,827062	4,124501	4,128650333	0,00414933	1,002880239	4930573O16Rik // 4930573O16Rik
17485019	4,698582	4,726556	4,637181	4,600397	4,852159	4,622212	4,6874397	4,691589333	0,00414967	1,00288047	Muc2
17396847	4,232099	4,256061	4,221866	4,168742	4,150947	4,402852	4,2366753	4,240847	0,00417167	1,002895764	Sox2ot
17442714	8,348437	8,45747	8,297632	8,442605	8,421103	8,252352	8,3678463	8,37202	0,00417367	1,002897154	Bri3bp
17538683	6,475748	6,291689	6,438375	6,514544	6,370208	6,333647	6,4019373	6,406133	0,00419567	1,002912447	Fam120c
17248351	4,464947	4,281562	4,368535	4,443655	4,391693	4,292299	4,3716813	4,375882333	0,004201	1,002916155	---
17254982	4,346617	4,053766	4,950168	4,552137	4,56803	4,243011	4,4501837	4,454392667	0,004209	1,002921716	LOC100862520 // LOC100862520
17291323	3,202532	3,20932	2,89085	3,172153	3,011185	3,132029	3,1009007	3,105122333	0,00422167	1,002930522	---
17200811	5,147511	4,300525	4,563302	4,750481	4,477067	4,796466	4,670446	4,674671333	0,00422533	1,002933071	---
17396652	6,213977	5,894707	6,268327	6,061981	6,243325	6,084399	6,1256703	6,129901667	0,00423133	1,002937242	Cldn11
17263089	7,995168	7,896799	7,918085	7,838743	8,063576	7,92045	7,936684	7,940923	0,004239	1,002942572	Gemin5
17492703	7,303983	7,248156	7,305304	7,350024	7,22292	7,297225	7,2858143	7,290056333	0,004242	1,002944657	Wdr73
17548289	6,135751	5,74844	5,928358	5,807021	5,91889	6,099375	5,9375163	5,941762	0,00424567	1,002947206	Tom1l1 // Tom1l1 // Tom1l1 // Tom1l1 //
17531921	3,118433	3,237365	3,233192	3,054683	3,237936	3,309126	3,19633	3,200581667	0,00425167	1,002951378	---
17223793	6,648665	6,361119	6,57218	6,33745	6,714993	6,542276	6,5273213	6,531573	0,00425167	1,002951378	Fzd5
17456678	5,353845	5,186883	5,439628	5,309017	5,362304	5,32183	5,3267853	5,331050333	0,004265	1,002960647	Atp6v1f
17520022	5,430544	5,650139	5,736944	5,642767	5,660235	5,527445	5,6058757	5,610149	0,00427333	1,00296644	Rwdd2a
17225472	8,285153	7,757383	8,050555	8,10752	7,754096	8,244338	8,0310303	8,035318	0,00428767	1,002976405	Zfp330 // Zfp330
17518007	10,07424	10,12327	10,08461	10,06681	10,20152	10,02666	10,09404	10,09833	0,00429	1,002978027	Pkm
17532802	4,880685	4,460165	5,093918	4,824039	4,851159	4,77244	4,8115893	4,815879333	0,00429	1,002978027	4930524L23Rik
17280475	4,635372	4,427884	4,462815	4,559711	4,445121	4,534122	4,5086903	4,512984667	0,00429433	1,00298104	2310016D03Rik
17311789	9,845822	9,982144	10,01708	9,815668	10,03181	10,01047	9,9483487	9,952649333	0,00430067	1,002985443	Rnf139
17501096	3,372305	3,571243	3,822261	3,460169	3,675539	3,64308	3,588603	3,592929333	0,00432633	1,003003287	Cldn24
17266374	8,964367	9,099255	9,105082	8,995708	9,104657	9,081319	9,0562347	9,060561333	0,00432667	1,003003518	Supt6h
17337950	6,693643	6,812532	6,666406	6,773382	6,823792	6,588503	6,7241937	6,728559	0,00436533	1,003030401	Tmem63b // Tmem63b
17303496	4,444175	4,48208	4,604155	4,677602	4,339969	4,525941	4,5101367	4,514504	0,00436733	1,003031791	Fezf2
17317015	8,639552	8,518882	8,604321	8,557322	8,681131	8,537447	8,5875585	8,591966667	0,00438167	1,003041757	Ext1
17338245	5,263834	5,24332	5,45957	5,341034	5,323167	5,315736	5,3222413	5,326645667	0,00440433	1,003057516	Guca1b
17356284	4,486849	4,507713	4,498168	4,526738	4,396411	4,582829	4,4975767	4,501992667	0,004416	1,003065627	Ccdc87
17334365	7,492362	7,667863	7,619116	7,518318	7,755853	7,518423	7,5931137	7,597531333	0,00441767	1,003066786	Zfp598
17258653	6,918832	7,06735	7,087434	6,836001	7,244699	7,006197	7,0245387	7,028965667	0,004427	1,003073275	1110005A03Rik
17389311	3,443174	3,614725	3,471102	3,834299	3,30656	3,401424	3,509667	3,514094333	0,00442733	1,003073507	Olfr1314
17373984	9,126935	9,080013	9,09331	9,014011	9,098227	9,201315	9,100086	9,104517667	0,00443167	1,00307652	Immp1l
17302273	3,872069	4,07785	4,130656	4,08475	3,918147	4,090976	4,0268583	4,031291	0,00443267	1,003077215	Gm6999
17533604	10,96627	11,02715	10,99247	11,06626	11,00189	10,93104	10,995297	10,99973	0,00443333	1,003077679	Uba1
17446643	11,39762	11,38945	11,46701	11,5083	11,40657	11,35256	11,418027	11,42247667	0,00445	1,003089267	Hadha
17528202	8,00463	7,831595	7,953061	7,859686	8,00232	7,940711	7,929762	7,934239	0,00447	1,00310804	Rab11a
17306440	8,556675	8,453979	8,462382	8,455483	8,513158	8,517849	8,491012	8,495496667	0,00448467	1,003113371	Acin1
17533334	3,716648	3,284067	3,271332	3,352915	3,629095	3,30351	3,4240157	3,428506667	0,004491	1,003117774	---
17547654	6,142402	6,334175	6,267132	6,355648	6,232777	6,168766	6,247903	6,252397	0,004494	1,00311986	Gm10933
17405236	7,611346	7,593736	7,588869	7,593865	7,606944	7,606644	7,5979837	7,602484333	0,00450067	1,003124496	Ufm1
17200521	4,84931	5,142868	5,062737	5,384441	5,255395	4,428592	5,018305	5,022809333	0,00450433	1,003127045	---
17482699	5,024288	5,012608	4,976642	5,057092	5,091312	4,878664	5,0045127	5,009022667	0,00451	1,003130985	Scnn1b
17417046	2,988393	3,180715	3,402386	3,045421	3,369555	3,170049	3,190498	3,195008333	0,00451033	1,003131217	Skint3
17459380	4,102008	4,250223	4,251385	4,23898	4,427683	3,950489	4,2012053	4,205717333	0,004512	1,003132376	---
17264440	4,537808	4,107717	4,340382	4,546665	4,146788	4,306041	4,3286357	4,333164667	0,004529	1,003144196	Odf4
17421895	4,558149	4,469229	5,185929	4,853198	4,551733	4,821971	4,737769	4,742300667	0,00453167	1,00314605	Slc2a7
17316687	5,080807	5,164326	4,891093	5,091682	5,280166	4,777983	5,0454087	5,049943667	0,004535	1,003148368	---
17501050	7,952875	7,957781	7,712963	7,902886	7,985509	7,748865	7,8745397	7,879086667	0,004547	1,003156712	Irf2
17247645	3,091641	3,100298	2,867857	2,96508	3,102675	3,005689	3,019932	3,024481333	0,00454933	1,003158335	---
17312301	6,749047	6,823647	6,852175	6,904902	6,803596	6,730666	6,8082897	6,812854667	0,004565	1,003169228	Zfp707
17386569	4,506787	4,524881	4,500401	4,560591	4,423638	4,561543	4,5106897	4,515257333	0,00456767	1,003171083	Chn1
17266751	4,764624	5,467115	5,583661	5,244576	5,728701	4,855829	5,2718	5,276368667	0,00456867	1,003171778	---
17210085	4,258508	4,966033	4,361233	5,249958	4,075738	4,273787	4,5285913	4,533161	0,00456967	1,003172473	---
17394578	4,173395	4,485596	4,540551	4,369939	4,485298	4,358165	4,3998473	4,404467333	0,00462	1,003207473	---
17325386	7,357502	7,363513	7,259433	7,506108	7,155582	7,332673	7,326816	7,331454333	0,00463833	1,003220221	Iqcb1
17222800	7,361011	7,381701	7,220993	7,221948	7,378216	7,377461	7,321235	7,325875	0,00464	1,00322138	Slc39a10
17461094	4,279677	4,276955	4,250195	4,297123	4,349782	4,173859	4,2689423	4,273588	0,00464567	1,003225321	4930511E03Rik
17464282	4,877248	4,577643	4,880236	4,853612	4,677343	4,818215	4,7783757	4,783056667	0,004681	1,003249891	Sspn
17415417	5,276218	5,443819	5,412932	5,300394	5,477314	5,369357	5,3776563	5,382355	0,00469867	1,003262177	---
17428931	5,818217	5,64804	5,847954	5,813946	5,826594	5,687769	5,7714037	5,776103	0,00469933	1,003262641	B4galt2
17537878	7,844257	8,001498	7,132214	7,499306	7,596853	7,895996	7,659323	7,664051667	0,00472867	1,003283039	Bex4
17496408	4,69457	4,880859	4,970332	4,897882	4,890827	4,771268	4,848587	4,853325667	0,00473867	1,003289994	Aldoa
17372156	5,683989	5,534681	5,446826	5,573291	5,651467	5,454956	5,5551653	5,559904667	0,00473933	1,003290457	---
17286254	5,924182	5,918565	6,113628	5,943495	5,990854	6,036252	5,9854583	5,990200333	0,004742	1,003292312	Mboat1
17324994	7,416624	6,443099	7,070311	7,186475	6,629674	7,128182	6,976678	6,981443667	0,00476567	1,00330877	---
17276018	3,020058	3,014507	3,047984	3,092515	2,980731	3,023614	3,0275163	3,032286667	0,00477033	1,003312016	---
17209635	8,176102	8,064316	7,986509	8,179771	8,066999	7,994482	8,0756423	8,080417333	0,004775	1,003315261	---
17399672	8,979178	8,911337	8,698386	8,682204	8,982319	8,938707	8,862967	8,867743333	0,00477633	1,003316188	Slc39a1
17534887	4,903533	5,027223	5,242478	5,171527	4,890421	5,125707	5,0577447	5,062551667	0,004807	1,003337516	1600025M17Rik
17377432	5,561372	5,288857	5,373425	5,534596	5,481225	5,222255	5,4078847	5,412692	0,00480733	1,003337747	Tmem90b
17457887	5,950554	5,342751	5,790351	5,948174	5,425005	5,724911	5,694552	5,699363333	0,00481133	1,003340529	Tmem139
17270060	6,887785	6,88667	7,032504	7,050956	6,945164	6,825294	6,935653	6,940471333	0,00481833	1,003345398	Nags // Nags
17547901	3,516176	3,84181	3,63561	3,604025	3,695882	3,708228	3,664532	3,669378333	0,00484633	1,003364871	D130046C19Rik
17433602	9,096871	9,183922	9,249746	9,042464	9,285766	9,216859	9,1768463	9,181696333	0,00485	1,003367421	Tprgl
17372026	3,744872	3,550508	3,840341	3,670453	3,723311	3,756513	3,711907	3,716759	0,004852	1,003368812	---
17545225	7,455492	7,875337	7,919975	7,566887	7,994296	7,704303	7,750268	7,755162	0,004894	1,003398023	---
17402433	5,333374	5,467115	5,403666	5,380249	5,509367	5,32925	5,401385	5,406288667	0,00490367	1,003404746	Arsj
17512461	9,989264	10,09285	10,02196	9,995975	10,09178	10,0311	10,034691	10,03961833	0,004927	1,003420974	---
17508544	5,024282	5,13272	5,056399	5,383801	4,952914	4,891481	5,0711337	5,076065333	0,00493167	1,00342422	Adrb3
17542878	3,463978	3,389474	3,441426	3,502952	3,58944	3,217281	3,431626	3,436557667	0,00493167	1,00342422	---
17349974	4,843224	4,235014	4,510901	4,680049	4,594819	4,329069	4,529713	4,534645667	0,00493267	1,003424916	2010320O07Rik
17279759	5,211369	5,024111	5,17666	5,139199	5,085569	5,20218	5,13738	5,142316	0,004936	1,003427234	Gm10485
17307799	4,752317	4,411748	4,337672	4,50971	4,4575	4,549381	4,500579	4,505530333	0,00495133	1,003437899	Gm20146
17469876	4,894944	4,882216	4,972046	4,990326	4,870673	4,903074	4,916402	4,921357667	0,00495567	1,003440913	---
17214053	8,636562	8,838477	8,52781	8,678461	8,572618	8,766668	8,6676163	8,672582333	0,004966	1,0034481	Xrcc5
17308395	6,856304	6,631717	6,863794	6,834484	6,712931	6,819305	6,7839383	6,788906667	0,00496833	1,003449723	Fam160b2
17402142	3,694432	3,507516	3,519422	3,401759	3,612446	3,722172	3,57379	3,578792333	0,00500233	1,003473371	---
17250585	6,754347	7,152749	6,739734	6,720091	6,949289	6,992493	6,8822767	6,887291	0,00501433	1,003481718	Mfap4
17477655	7,26816	7,407663	7,292056	7,155959	7,40806	7,418924	7,3226263	7,327647667	0,00502133	1,003486587	Irf3
17312694	5,052551	4,947435	5,209541	5,073563	5,142356	5,008684	5,0698423	5,074867667	0,00502533	1,003489369	Eif3d
17395124	5,676144	5,367872	5,55082	5,508362	5,566782	5,534786	5,531612	5,536643333	0,00503133	1,003493543	Gm10714
17306108	4,323401	4,488647	4,395894	4,415019	4,436228	4,371893	4,4026473	4,407713333	0,005066	1,003517656	4930597G03Rik
17291049	3,117069	3,397292	3,535542	3,520883	3,136893	3,407353	3,3499677	3,355043	0,00507533	1,003524148	Hist1h2ah
17236439	4,401548	4,241053	4,276242	4,306429	4,316945	4,310705	4,306281	4,311359667	0,00507867	1,003526467	Anks1b
17380963	5,748413	5,455146	5,312272	5,818666	5,302848	5,409571	5,505277	5,510361667	0,00508467	1,00353064	BC051628
17490376	5,146131	4,711988	4,827729	4,761621	5,0594	4,880086	4,8952827	4,900369	0,00508633	1,0035318	Zfp473
17538350	4,094996	4,287117	3,937057	4,200895	4,087891	4,045652	4,10639	4,111479333	0,00508933	1,003533887	A730046J19Rik
17509288	7,32564	7,483202	7,295756	7,399486	7,439347	7,281033	7,3681993	7,373288667	0,00508933	1,003533887	Wwc2
17517542	4,05865	3,883404	3,856301	4,02206	3,760698	4,03091	3,932785	3,937889333	0,00510433	1,003544321	Gm7444
17247140	12,47723	12,44827	12,4846	12,48607	12,47627	12,46308	12,470033	12,47514	0,00510667	1,003545944	Ppia
17201283	6,194478	5,530504	6,177514	6,008195	5,77228	6,137357	5,9674987	5,972610667	0,005112	1,003549654	---
17234172	3,479162	3,048982	3,298016	3,258469	3,155412	3,427627	3,2753867	3,280502667	0,005116	1,003552436	---
17214395	3,930856	4,016773	3,97736	4,053149	3,838862	4,04833	3,9749963	3,980113667	0,00511733	1,003553363	---
17536184	4,043969	3,992731	4,347996	4,024174	4,212127	4,163747	4,128232	4,133349333	0,00511733	1,003553363	---
17357042	5,854396	5,947182	5,974931	5,977592	5,923206	5,891088	5,925503	5,930628667	0,00512567	1,00355916	1700105P06Rik
17380236	5,550346	5,24995	5,559916	5,594896	5,299973	5,480749	5,453404	5,458539333	0,00513533	1,003565885	---
17508722	8,921421	9,061096	8,97954	8,921082	9,11801	8,93839	8,9873523	8,992494	0,00514167	1,00357029	Leprotl1
17447296	4,06531	3,553258	4,012855	3,883286	3,834232	3,929374	3,877141	3,882297333	0,00515633	1,003580493	---
17527453	4,877914	4,848732	4,780717	4,895638	4,907845	4,719354	4,8357877	4,840945667	0,005158	1,003581652	Odf3l1
17241709	4,702228	4,596436	4,745066	4,648944	4,511347	4,898914	4,6812433	4,686401667	0,00515833	1,003581884	Phyhipl
17218760	5,232363	5,181978	5,369403	5,183465	5,285112	5,330643	5,261248	5,266406667	0,00515867	1,003582116	---
17449262	3,963085	3,919964	4,073157	4,090528	3,950307	3,930868	3,985402	3,990567667	0,00516567	1,003586985	Tmprss11g
17547550	5,175509	5,158326	5,466577	5,22489	5,266734	5,32429	5,266804	5,271971333	0,00516733	1,003588145	Gm6653
17491503	3,254703	3,201027	3,387961	3,088751	3,794019	2,976435	3,2812303	3,286401667	0,00517133	1,003590927	---
17234185	5,339631	5,48029	5,634184	5,329117	5,6239	5,516611	5,4847017	5,489876	0,00517433	1,003593014	Ipmk // Ipmk
17433169	6,743135	6,881564	6,595979	6,764615	6,775532	6,696092	6,740226	6,745413	0,005187	1,003601825	Pik3cd
17308169	6,817799	6,850485	6,653889	6,729997	6,745447	6,862317	6,7740577	6,779253667	0,005196	1,003608086	R3hcc1
17284124	6,769133	6,97586	7,041818	6,692984	7,141478	6,967957	6,928937	6,934139667	0,00520267	1,003612724	Bag5
17353940	6,787871	6,855243	6,802908	6,796613	6,831109	6,833913	6,8153407	6,820545	0,00520433	1,003613883	Pcdh12
17353204	3,500593	3,535334	3,54306	3,548707	3,487324	3,558572	3,526329	3,531534333	0,00520533	1,003614579	LOC100504908
17261339	9,18524	9,301658	9,009093	9,138836	9,301097	9,071701	9,1653303	9,170544667	0,00521433	1,00362084	Spnb2
17262357	7,742843	7,823574	7,784482	7,697525	7,823321	7,845715	7,783633	7,788853667	0,00522067	1,003625246	Rufy1
17488565	10,39531	10,30004	10,33156	10,31403	10,31438	10,41419	10,342303	10,34753333	0,00523	1,003631739	Actn4
17497687	7,607876	7,769121	7,738948	7,69559	7,836876	7,599192	7,705315	7,710552667	0,00523767	1,003637072	Bet1l
17373237	5,605626	5,059657	5,262208	5,236734	5,472779	5,233702	5,3091637	5,314405	0,00524133	1,003639623	A330069E16Rik
17428253	4,605953	4,448813	4,292506	4,56271	4,260988	4,539303	4,4490907	4,454333667	0,005243	1,003640782	Slc5a9
17505597	3,385068	3,06357	3,229644	3,214537	3,066581	3,412896	3,226094	3,231338	0,005244	1,003641478	---
17346774	8,909159	9,040171	8,591273	8,769632	8,884376	8,90236	8,8468677	8,852122667	0,005255	1,00364913	Twsg1
17542194	4,887729	4,972627	4,841345	4,905979	4,81352	4,997995	4,900567	4,905831333	0,00526433	1,003655623	Gabre
17312032	7,780913	7,993372	7,868844	7,630078	8,029721	7,99916	7,881043	7,886319667	0,00527667	1,003664203	Ndrg1 // Ndrg1
17210093	8,207399	8,335454	8,506615	8,167202	8,705842	8,192268	8,3498227	8,355104	0,00528133	1,00366745	---
17249489	9,710808	9,803906	9,695114	9,735078	9,772775	9,717827	9,7366093	9,741893333	0,005284	1,003669305	Aff4
17322505	3,113775	2,95016	2,983595	3,165612	3,122147	2,775635	3,0158433	3,021131333	0,005288	1,003672088	---

17480343	10,68994	10,39679	10,26856	10,3758	10,47077	10,5246	10,451763	10,45705667	0,00529333	1,003675798	Ndufc2
17346409	4,673575	4,493128	4,555565	4,353023	4,697075	4,688056	4,5740893	4,579384667	0,00529533	1,00367719	Pspn
17532045	5,495048	5,518403	5,503689	5,355358	5,830835	5,346843	5,5057133	5,511012	0,00529867	1,003679509	Plcd1
17258015	12,21572	11,95648	12,30632	11,92692	12,41079	12,15681	12,159507	12,16484	0,00533333	1,003703627	Rpl38
17300161	3,440184	3,411906	3,547339	3,487639	3,488631	3,439192	3,4664763	3,471820667	0,00534433	1,003711279	---
17262516	6,582834	6,641523	6,505495	6,316125	6,76252	6,667282	6,5766173	6,581975667	0,00535833	1,00372102	0610009B22Rik
17307695	8,11162	8,051534	7,965288	8,001545	8,130288	8,012694	8,042814	8,048175667	0,00536167	1,003723339	Msra
17378716	7,254529	7,405895	7,606683	7,503284	7,342822	7,437095	7,422369	7,427733667	0,00536467	1,003725426	Manbal
17213808	5,360098	5,230631	5,267671	5,330587	5,198072	5,345835	5,2861333	5,291498	0,00536467	1,003725426	Unc80
17226473	6,814	6,645494	6,670428	7,017814	6,560904	6,567315	6,709974	6,715344333	0,00537033	1,003729368	Tmem163
17506659	3,245901	3,160593	3,109019	3,523669	2,930551	3,077446	3,1718377	3,177222	0,00538433	1,003739109	---
17270888	8,040311	7,795475	7,874353	8,090884	7,921655	7,713757	7,9033797	7,908765333	0,00538567	1,003740036	Ern1
17528214	3,208298	3,454851	3,642572	3,516973	3,610843	3,194085	3,4352403	3,440633667	0,00539333	1,00374537	---
17374206	4,93361	3,263929	3,53328	3,931969	3,920993	3,894049	3,910273	3,915670333	0,00539733	1,003748153	Olfr1301
17404235	4,765065	4,791457	4,632857	4,86575	4,616968	4,72292	4,729793	4,735212667	0,00541967	1,003763692	---
17456627	6,039497	5,628093	5,859176	5,826057	5,903898	5,813081	5,8422553	5,847678667	0,00542333	1,003766243	Flnc
17519052	4,299884	4,3762	4,528615	4,66083	4,289318	4,270856	4,4015663	4,407001333	0,005435	1,00377436	---
17473459	6,16462	6,257844	6,294788	6,252208	6,34207	6,13929	6,239084	6,244522667	0,00543867	1,003776911	Zfp580
17341706	9,337959	9,396079	9,25802	9,344936	9,256487	9,406957	9,330686	9,336126667	0,00544067	1,003778303	---
17543930	9,317588	9,448664	9,355068	9,380927	9,366899	9,389847	9,3737733	9,379224333	0,005451	1,003785492	Atrx
17352571	4,07267	3,891775	3,738308	3,961154	3,889467	3,868496	3,9009177	3,906372333	0,00545467	1,003788043	Mpp7
17513232	5,268115	5,388274	5,454659	5,347813	5,371419	5,408254	5,3703493	5,375828667	0,00547933	1,003805206	Gm9564
17434137	6,650729	6,672114	7,046609	7,138453	6,457854	6,789595	6,7898173	6,795300667	0,00548333	1,003807989	Gm13308
17232529	4,558836	4,447042	4,810449	4,575554	4,615518	4,641848	4,6054423	4,610973333	0,005531	1,003841155	Col10a1
17237186	6,982939	7,03366	7,076466	7,015512	7,098658	6,995542	7,0310217	7,036570667	0,005549	1,00385368	E2f7
17214883	6,79835	6,851557	6,81988	6,79557	6,911231	6,779636	6,8232623	6,828812333	0,00555	1,003854376	Fbxo36
17206955	3,968435	3,266167	3,626682	3,141955	4,331268	3,404723	3,620428	3,625982	0,005554	1,003857159	---
17353241	10,20748	10,09904	10,20862	10,17087	10,18438	10,17656	10,171713	10,17727	0,00555667	1,003859015	Slc25a46
17223946	4,939578	5,021095	5,082356	5,179393	4,80609	5,074228	5,014343	5,019903667	0,00556067	1,003861798	Erbb4
17481144	4,543496	4,490767	4,64018	4,607111	4,636612	4,447404	4,5581477	4,563709	0,00556133	1,003862262	Olfr558
17230345	8,562826	8,596127	8,48396	8,525732	8,532347	8,601527	8,5476377	8,553202	0,00556433	1,003864349	Ahctf1
17255058	4,261704	4,15439	4,410512	4,245758	4,319283	4,278282	4,2755353	4,281107667	0,00557233	1,003869916	Tmem100
17360225	4,661365	4,438858	4,620898	4,625919	4,663043	4,448888	4,573707	4,579283333	0,00557633	1,003872699	Gsto2
17394629	2,988805	2,924605	3,091738	3,02031	3,186765	2,814816	3,001716	3,007297	0,005581	1,003875947	---
17343478	6,32243	6,086727	6,117403	6,260076	6,267273	6,016054	6,17552	6,181134333	0,00561433	1,003899141	Zfp799
17274367	5,505103	5,41642	5,505819	5,242461	5,667654	5,534092	5,4757807	5,481402333	0,00562167	1,003904244	---
17550488	4,704365	4,653849	4,670002	4,733051	4,67378	4,638256	4,676072	4,681695667	0,00562367	1,003905636	---
17342003	7,853581	6,893096	7,562961	7,70085	7,297546	7,328135	7,436546	7,442177	0,005631	1,003910739	---
17284605	7,628047	7,285601	6,977511	7,499325	7,21756	7,191196	7,297053	7,302693667	0,00564067	1,003917465	---
17315272	7,439436	7,300535	7,039422	7,145307	7,442056	7,209055	7,2597977	7,265472667	0,005675	1,003941357	Tenc1
17329093	3,899385	3,618467	4,24366	4,207691	3,90278	3,668081	3,920504	3,926184	0,00568	1,003944836	Cyp2ab1
17455396	4,730479	4,635781	4,800413	4,774316	4,712789	4,696698	4,7222243	4,727934333	0,00571	1,003965713	---
17377885	3,83687	3,962796	3,9513	3,7945	4,042643	3,930971	3,9169887	3,922704667	0,005716	1,003969888	---
17546903	3,304202	4,035217	3,759568	3,651221	3,787091	3,67788	3,6996623	3,705397333	0,005735	1,003983111	---
17401710	6,446248	6,507339	6,508676	6,612863	6,437975	6,428657	6,487421	6,493165	0,005744	1,003989374	Psrc1
17213580	12,08268	12,24662	12,20591	12,23219	12,18171	12,13855	12,178403	12,18415	0,00574667	1,00399123	Eef1b2
17209203	4,371835	4,826176	4,298183	4,317916	4,6048	4,59073	4,4987313	4,504482	0,00575067	1,003994013	---
17206763	3,905382	3,529736	3,356315	3,66204	3,31185	3,834805	3,5971443	3,602898333	0,005754	1,003996333	---
17211531	4,910927	4,427215	5,035024	4,670815	4,715511	5,004136	4,7910553	4,796820667	0,00576533	1,00400422	---
17539781	3,923049	3,711825	3,814628	3,795094	3,821819	3,849904	3,8165007	3,822272333	0,00577167	1,004008628	Ccnb3
17300544	6,533571	6,510888	6,083343	6,198162	6,636497	6,310471	6,375934	6,38171	0,005776	1,004011643	Fitm1
17439942	7,515523	7,535914	7,360922	7,519214	7,520587	7,389893	7,4707863	7,476564667	0,00577833	1,004013267	Zfp326
17308149	4,716932	4,792973	4,888885	4,758244	4,950583	4,707323	4,7995967	4,805383333	0,00578667	1,004019067	Gm16677
17301634	7,433167	7,598953	7,501143	7,432359	7,552967	7,565325	7,5110877	7,516883667	0,005796	1,004025562	Loxl2 // Loxl2
17454121	8,233505	8,196465	8,23627	8,22165	8,247048	8,214976	8,22208	8,227891333	0,00581133	1,004036233	Agfg2
17212904	6,117659	6,517889	6,261411	6,330731	6,17319	6,410493	6,2989863	6,304804667	0,00581833	1,004041105	Mars2
17307231	9,375594	9,417554	9,050204	9,198913	9,266881	9,395016	9,2811173	9,286936667	0,00581933	1,004041801	Efha1
17395238	10,40759	10,50154	10,45299	10,50168	10,40942	10,46849	10,45404	10,45986333	0,00582333	1,004044584	Gm14391 // Gm6710 // Gm14391 // Gm
17407422	4,797299	4,756619	4,750539	4,713087	4,741769	4,867118	4,7681523	4,773991333	0,005839	1,004055488	Smcp
17383320	7,981724	7,789029	8,004474	7,943635	7,968393	7,880746	7,9250757	7,930924667	0,005849	1,004062447	Brd3
17357597	5,498701	6,057384	5,332294	5,866885	5,784397	5,254704	5,6294597	5,635328667	0,005869	1,004076367	Slc15a3
17205581	3,886156	3,43728	3,393184	3,631001	3,701914	3,401316	3,5722067	3,578077	0,00587033	1,004077295	---
17366168	4,775736	4,748551	4,742209	4,761333	4,690932	4,831999	4,7554987	4,761421333	0,00592267	1,004113718	Gm7102
17430037	5,230728	4,982984	5,161844	5,351962	4,736743	5,304622	5,1251853	5,131109	0,00592367	1,004114414	Tekt2
17517899	3,54807	3,535846	3,623919	3,636276	3,562478	3,526874	3,5692783	3,575209333	0,005931	1,004119518	1700072B07Rik
17323711	8,314014	8,550823	8,405583	8,269899	8,544998	8,473344	8,4234733	8,429413667	0,00594033	1,004126014	Txnrd2
17548701	9,502816	9,710328	9,645479	9,670974	9,530569	9,674911	9,619541	9,625484667	0,00594367	1,004128334	---
17494731	3,123378	3,039085	3,031434	3,158227	3,13224	2,921281	3,0646323	3,070582667	0,00595033	1,004132974	Olfr715
17234116	8,466556	8,556422	8,466361	8,352983	8,476123	8,678109	8,4964463	8,502405	0,00595867	1,004138774	Ccdc6
17485309	6,889009	7,161382	7,250793	6,963105	7,280565	7,07539	7,1003947	7,106353333	0,00595867	1,004138774	Tssc4
17522955	3,986682	3,944412	4,03338	3,847043	4,197935	3,937378	3,988158	3,994118667	0,00596067	1,004140166	---
17264636	8,181192	8,217159	8,09297	8,135394	8,228891	8,144932	8,1637737	8,169739	0,00596533	1,004143414	Cyb5d1
17253175	5,635658	5,323053	5,981374	5,865668	5,494401	5,597923	5,646695	5,652664	0,005969	1,004145966	Tusc5
17304817	8,540589	8,65202	8,648046	8,695789	8,683417	8,479359	8,6135517	8,619521667	0,00597	1,004146662	Ankrd28
17210315	4,45068	3,567877	4,035339	4,295146	3,998039	3,778648	4,0179653	4,023944333	0,005979	1,004152927	---
17261982	8,042849	8,001409	8,0543	7,928472	8,040092	8,147999	8,0328527	8,038854333	0,00600167	1,004168703	Adra1b
17254295	5,618401	5,604882	5,689612	5,64821	5,682665	5,600055	5,6376317	5,643643333	0,00601167	1,004175664	Expi
17511912	5,885896	6,160172	6,326999	5,912024	6,439243	6,03985	6,1243557	6,130372333	0,00601667	1,004179144	Ccdc102a
17461130	2,998534	2,901435	3,027842	3,013114	2,91229	3,020478	2,975937	2,981960667	0,00602367	1,004184016	---
17356160	9,398078	9,360004	9,477345	9,377051	9,488096	9,388352	9,411809	9,417833	0,006024	1,004184248	Coro1b
17412801	9,865678	9,838573	9,776358	9,845953	9,826263	9,826471	9,8268697	9,832895667	0,006026	1,00418564	Chmp5
17503260	7,293354	7,449385	7,411438	7,401785	7,385457	7,385035	7,3847257	7,390759	0,00603333	1,004190745	Dnase2a
17478032	7,340904	7,396501	7,3917	7,357898	7,436934	7,35238	7,3763683	7,382404	0,00603567	1,004192369	Kdelr1
17490111	6,837043	6,957116	6,90762	7,050873	6,822887	6,846148	6,900593	6,906636	0,006043	1,004197473	Zfp715
17496433	6,055305	5,872195	6,359812	6,29601	5,892474	6,116984	6,0957707	6,101822667	0,006052	1,004203738	4930451I11Rik
17252165	5,574447	5,724642	5,566356	5,39808	5,806686	5,678856	5,621815	5,627874	0,006059	1,00420861	Gp1ba
17463377	6,082264	5,986187	6,221255	6,026283	6,148691	6,133019	6,0965687	6,102664333	0,00609567	1,004234133	Efcab4b
17485993	5,321312	5,341404	5,890311	5,496695	5,573082	5,50154	5,5176757	5,523772333	0,00609667	1,004234829	Zfp784
17350140	8,692026	8,882086	8,648837	8,781919	8,714109	8,745218	8,740983	8,747082	0,006099	1,004236453	Tcerg1
17334178	6,462063	6,27634	6,142642	5,84238	6,318656	6,738316	6,2936817	6,299784	0,00610233	1,004238773	Dcpp3
17320607	12,79602	12,75181	12,83147	12,82464	12,85274	12,72029	12,7931	12,79922333	0,00612333	1,004253391	Rpl31 // Rpl31
17210053	4,823883	4,730268	5,180878	4,799549	5,087193	4,866658	4,9116763	4,9178	0,00612367	1,004253623	---
17256632	6,166512	5,672529	6,138585	5,803288	6,060688	6,132036	5,992542	5,998670667	0,00612867	1,004257104	Wnk4
17432904	5,611573	5,610971	6,052739	5,711024	5,761902	5,820751	5,7584277	5,764559	0,00613133	1,00425896	2610109H07Rik
17410660	5,59315	5,514354	5,658733	5,674058	5,348887	5,761703	5,5887457	5,594882667	0,006137	1,004262905	4930579F01Rik
17395376	3,431458	3,276805	3,51964	3,492628	3,303779	3,449922	3,409301	3,415443	0,006142	1,004266385	---
17203067	5,028297	3,882752	4,313556	4,795652	4,05668	4,390739	4,4082017	4,414357	0,00615533	1,004275667	---
17204833	2,902548	4,277694	3,26636	3,70247	3,614738	3,147869	3,4822007	3,488359	0,00615833	1,004277755	---
17264102	9,054661	8,809971	8,907509	8,999176	8,880245	8,911199	8,924047	8,930206667	0,00615967	1,004278683	Hs3st3b1
17291237	4,948123	5,673048	5,008933	5,221	5,05562	5,371969	5,2100347	5,216196333	0,00616167	1,004280075	---
17472703	3,749432	3,678835	3,881701	3,841456	3,777361	3,70968	3,7699893	3,776165667	0,00617633	1,004290285	---
17427327	6,150524	5,988815	6,085564	5,998945	6,178255	6,066244	6,0749677	6,081148	0,00618033	1,00429307	9530080O11Rik
17377258	4,306506	4,34789	4,597654	4,516622	4,441305	4,312665	4,41735	4,423530667	0,00618067	1,004293302	A930019D19Rik
17374569	8,337339	8,400417	8,302025	8,317469	8,417742	8,32314	8,3465937	8,352783667	0,00619	1,004299799	Bub1b
17409804	5,057284	5,093944	4,847686	5,036609	5,018672	4,96221	4,999638	5,005830333	0,00619233	1,004301423	1700061I17Rik
17514830	8,119802	8,295603	8,195566	8,16364	8,242895	8,223037	8,203657	8,209857333	0,00620033	1,004306992	Taf1d
17320652	11,67015	11,69509	11,83298	11,78385	11,75564	11,67739	11,73274	11,73896	0,00622	1,004320683	Abcd2
17398915	7,65852	7,921385	7,723525	7,749178	7,800515	7,772424	7,76781	7,774039	0,006229	1,004326948	Gpatch4
17396892	8,841395	8,852144	8,803738	8,867101	8,774693	8,87418	8,8324257	8,838658	0,00623233	1,004329269	Atp11b
17261423	2,995574	2,987536	2,811532	3,097584	3,006747	2,709011	2,9315473	2,937780667	0,00623333	1,004329965	Mszf78 // Mszf78
17374188	3,352097	3,291911	3,309126	3,543665	3,184301	3,243872	3,3177113	3,323946	0,00623467	1,004330893	Olfr1285
17332695	5,325722	5,378497	5,472617	5,360071	5,518844	5,316632	5,3922787	5,398515667	0,006237	1,004332517	Tiam2
17486915	5,553102	5,325078	5,460477	5,567892	5,352497	5,436979	5,446219	5,452456	0,006237	1,004332517	Npas1
17427211	7,478829	7,190202	7,269598	7,537388	7,351868	7,068086	7,3128763	7,319114	0,00623767	1,004332981	---
17469406	4,462121	4,27851	4,322142	4,417602	4,262409	4,401501	4,3542577	4,360504	0,00624633	1,004339015	Gm765
17548137	3,489684	3,74926	3,656358	3,78404	3,659622	3,470387	3,6317673	3,638016333	0,006249	1,004340871	Gm16495
17543850	3,464183	3,317091	3,270619	3,454074	3,301321	3,315254	3,350631	3,356883	0,006252	1,00434296	Mir672
17507308	3,877733	3,94869	3,873854	3,956358	3,864703	3,897973	3,9000923	3,906344667	0,00625233	1,004343192	Slc10a2
17411141	11,37388	11,65625	11,66017	11,56686	11,62756	11,51474	11,563433	11,56972	0,00628667	1,004367093	Rpsa // Rpsa
17296388	9,100601	9,558526	9,304701	9,298198	9,321489	9,363048	9,321276	9,327578333	0,00630233	1,004378	Itga1
17492890	4,513339	4,46418	4,78102	4,489271	4,874099	4,414106	4,5861797	4,592492	0,00631233	1,004384962	---
17402566	4,108231	4,14232	4,252014	4,233002	4,149268	4,139241	4,1675217	4,173837	0,00631533	1,004387051	Egf
17237589	5,122356	5,280368	5,031879	5,049585	5,344473	5,059525	5,1448677	5,151194333	0,00632667	1,004394941	Ifng
17241001	9,86193	9,868643	9,607749	9,823515	9,860556	9,673232	9,7794407	9,785767667	0,006327	1,004395173	Oit3
17263673	9,771078	9,786419	9,803423	9,708833	9,837702	9,833413	9,7869733	9,793316	0,00634267	1,00440608	Shmt1
17424075	11,02925	10,99634	10,94852	10,97178	11,0403	10,98108	10,99137	10,99772	0,00635	1,004411185	Psenen
17457343	9,378082	9,317982	9,458886	9,316931	9,569168	9,28793	9,3849833	9,391343	0,00635967	1,004417915	Atp6v0c
17467486	6,558682	6,149877	6,567858	6,853586	5,677307	6,764635	6,4254723	6,431842667	0,00637033	1,004425342	---
17436536	6,26579	6,173676	6,423083	6,335138	6,390408	6,156115	6,2875163	6,293887	0,00637067	1,004425574	Gm1673
17275882	9,122913	9,230827	9,048285	9,114705	9,229647	9,07679	9,1340083	9,140380667	0,00637233	1,004426734	Mgat2
17549328	7,938408	7,84638	7,391838	7,392194	8,009705	7,793849	7,725542	7,731916	0,006374	1,004427894	---
17521102	3,645316	3,44981	3,356763	3,414004	3,487669	3,569339	3,483963	3,490337333	0,00637433	1,004428126	---
17478998	8,876369	9,122846	9,060774	9,077559	9,020805	8,980782	9,0199963	9,026382	0,00638567	1,004436017	H47
17395182	6,194465	5,926534	6,200587	6,213553	5,997343	6,129892	6,1071953	6,113596	0,00640067	1,00444646	---

17234499	5,969999	5,457596	5,574774	5,779069	5,452342	5,790183	5,6674563	5,673864667	0,00640833	1,004451798	---
17474869	3,209213	2,975179	3,024043	3,13239	3,12665	2,96869	3,0694783	3,07591	0,00643167	1,004468044	Vmn1r180
17426306	6,36052	6,400064	6,497171	6,420974	6,365978	6,49016	6,4192517	6,425704	0,00645233	1,004482433	Whrn
17204567	3,01997	2,774893	3,187735	2,558696	3,238816	3,204468	2,9941993	3,00066	0,00646067	1,004488235	---
17447884	8,214993	8,453944	8,087734	8,284356	8,279748	8,21196	8,2522237	8,258688	0,00646433	1,004490788	Ldb2
17388881	4,451769	4,252845	4,307741	4,253947	4,251955	4,525882	4,3374517	4,343928	0,00647633	1,004499143	4930547E08Rik // 4930547E08Rik
17256279	4,774104	4,304233	5,011506	4,777823	4,676675	4,654782	4,6966143	4,703093333	0,006479	1,004501	---
17245587	8,896117	8,96347	8,879043	8,910474	8,956718	8,890881	8,9128767	8,919357667	0,006481	1,004502392	11/03/17
17423823	8,693399	8,698446	8,716579	8,730936	8,684929	8,712046	8,702808	8,709303667	0,00649567	1,004512604	Orc3
17489768	4,659667	4,723628	4,733475	4,628371	4,698129	4,809772	4,70559	4,712090667	0,00650067	1,004516086	Tdrd12
17528597	7,901351	7,863218	7,66101	7,69698	7,904689	7,843419	7,8085263	7,815029333	0,006503	1,00451771	Rnf111
17510970	5,007512	4,930521	5,038608	4,860512	5,003485	5,132199	4,9922137	4,998732	0,00651833	1,004528387	---
17527532	8,081171	8,065144	8,157667	8,138041	8,178219	8,007298	8,1013273	8,107852667	0,00652533	1,004533261	Mpi
17483501	7,487656	7,716	7,680474	7,473363	7,681039	7,749334	7,6280433	7,634578667	0,00653533	1,004540224	Zfp646
17340435	4,784014	5,170503	4,794018	5,085097	4,835312	4,847759	4,9161783	4,922722667	0,00654433	1,00454649	Pisd-ps2
17467933	6,459806	6,800282	6,218552	6,304203	6,711056	6,483057	6,49288	6,499438667	0,00655867	1,004556471	---
17468698	6,500764	6,469093	6,431307	6,398411	6,461111	6,561332	6,4670547	6,473618	0,00656333	1,00455972	8430410A17Rik
17362320	6,28927	6,420793	6,552441	6,602214	6,459313	6,220682	6,4208347	6,427403	0,00656833	1,004563202	AI846148
17219206	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17400568	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17400579	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17400588	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17400590	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17408038	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17408063	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17408065	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17425278	10,27002	10,51219	10,49199	10,43887	10,47026	10,38478	10,424733	10,43130333	0,00657	1,004564362	Rnu1b1 // Rnu1b1
17222790	3,575643	3,238099	3,513238	3,377991	3,423991	3,544738	3,4423267	3,448906667	0,00658	1,004571325	Gm4776
17207631	5,774441	5,173429	6,01447	6,157912	4,825054	5,999178	5,6541133	5,660714667	0,00660133	1,00458618	---
17330612	5,890266	5,961703	5,541888	5,885976	5,607405	5,920301	5,7979523	5,804560667	0,00660833	1,004591054	Ccdc80 // Ccdc80
17261926	4,127612	4,315938	4,405936	4,236213	4,217322	4,415809	4,283162	4,289781333	0,00661933	1,004598714	---
17442401	8,858521	8,955255	8,830213	8,88345	8,854742	8,925689	8,8813297	8,887960333	0,00663067	1,004606606	Denr
17445755	6,913546	6,995155	7,082001	7,085359	6,924141	7,001145	6,9969007	7,003548333	0,00664767	1,004618444	Phtf2
17400365	5,611845	6,201456	5,818933	5,795945	5,703781	6,152452	5,8774113	5,884059333	0,006648	1,004618676	Ctsk
17489980	6,324243	6,636447	6,396969	6,431338	6,412656	6,533616	6,452553	6,459203333	0,00665033	1,004620301	Ube2h // Ube2h
17464291	8,763723	8,75056	8,681412	8,816697	8,684483	8,714476	8,7318983	8,738552	0,00665367	1,004622622	Fgfr1op2
17540959	3,89026	3,916919	3,988371	3,916919	3,981681	3,916919	3,93185	3,938506333	0,00665633	1,004624479	---
17315514	4,358506	4,655441	4,589006	4,38271	4,654038	4,586199	4,5343177	4,540982333	0,00666467	1,004630282	Hoxc8
17457379	4,413608	4,678041	4,796163	4,770481	4,795556	4,341783	4,6292707	4,63594	0,00666933	1,004633531	---
17400467	7,454021	7,564174	7,349696	7,678539	7,374233	7,335163	7,4559637	7,462645	0,00668133	1,004641888	Otud7b
17455643	5,600906	4,863141	5,034424	5,049889	5,129274	5,339393	5,166157	5,172852	0,006695	1,004651405	A430089I19Rik
17431761	6,367905	6,040182	6,308781	6,308781	6,193154	6,235114	6,238956	6,245683	0,006727	1,004673689	Cda
17368904	6,492787	6,756119	6,659417	6,63638	6,796896	6,49525	6,6361077	6,642842	0,00673433	1,004678796	Slc27a4
17391983	4,685447	4,110514	4,717169	4,284925	4,456881	4,791529	4,5043767	4,511111667	0,006735	1,00467926	Prokr2
17499353	8,841017	8,845963	8,84617	8,886854	8,802355	8,86417	8,8443833	8,851126333	0,006743	1,004684831	Cdc16
17447963	4,381732	4,487669	4,226401	4,364318	4,391328	4,360394	4,3652673	4,372013333	0,006746	1,00468692	Kcnip4
17460461	5,965679	5,773226	5,913818	5,853263	5,901268	5,918515	5,884241	5,891015333	0,00677433	1,004706652	---
17282641	5,011469	5,02001	5,203264	5,251295	5,312204	4,691584	5,0782477	5,085027667	0,00678	1,004710598	Prox2
17312686	4,522855	5,47515	4,42081	4,761273	4,804368	4,873551	4,8062717	4,813064	0,00679233	1,004719187	Apol9b
17460580	6,197001	6,466653	6,018686	6,281456	5,623486	6,797823	6,2274467	6,234255	0,00680833	1,00473033	---
17266830	6,608105	6,709411	6,795354	6,747842	6,720603	6,664871	6,70429	6,711105333	0,00681533	1,004735205	Nle1
17503360	7,470904	7,731491	7,568755	7,747221	7,7509	7,293497	7,5903833	7,597206	0,00682267	1,004740312	---
17538206	9,709904	9,848735	9,741803	9,503479	9,863294	9,954166	9,766814	9,773646333	0,00683233	1,004747044	Atg4a
17405498	3,915882	3,72375	3,707218	3,781835	4,090494	3,495057	3,7822833	3,789128667	0,00684533	1,004756098	Gm5709
17460073	8,197947	8,281422	8,153357	8,085711	8,228597	8,338966	8,2109087	8,217758	0,00684933	1,004758884	Bola3
17395486	3,772222	3,453804	3,714092	3,685664	3,858872	3,416152	3,646706	3,653562667	0,00685667	1,004763991	---
17541028	5,027308	4,654382	4,583126	4,841101	4,760096	4,684196	4,7549387	4,761797667	0,006859	1,004765616	Akap14
17393531	5,410185	5,226864	5,77537	5,505602	5,625305	5,302093	5,4708063	5,477666667	0,00686033	1,004766545	4921517L17Rik
17456119	4,077489	4,18287	4,386685	4,367131	4,158018	4,142545	4,2156813	4,222564667	0,00688333	1,004782563	---
17205209	6,959922	5,413935	6,050349	6,212543	6,649634	5,582681	6,141402	6,148286	0,006884	1,004783028	---
17209399	6,959922	5,413935	6,050349	6,212543	6,649634	5,582681	6,141402	6,148286	0,006884	1,004783028	---
17425533	7,083997	6,964714	6,846589	6,964714	6,851228	7,100016	6,9651	6,971986	0,006886	1,00478442	Epb4.1l4b
17331203	3,609862	3,666659	3,541154	3,563123	3,622019	3,653242	3,6058917	3,612794667	0,006903	1,00479626	E330017A01Rik
17466468	4,224194	4,195742	4,327392	4,133494	4,417212	4,217358	4,2491093	4,256021333	0,006912	1,004802529	---
17480525	3,851832	3,974101	4,114159	3,963817	4,133511	3,863502	3,9800307	3,986943333	0,00691267	1,004802993	Mtap6
17550877	4,021724	4,164107	4,326629	4,109038	4,331139	4,093036	4,17082	4,177737667	0,00691767	1,004806475	---
17281071	4,83438	4,706511	4,720727	4,865269	4,940726	4,476386	4,7538727	4,760793667	0,006921	1,004808797	Gpr33
17513835	8,509565	8,612617	8,493016	8,649757	8,454513	8,531698	8,5383993	8,545322667	0,00692333	1,004810422	Ankrd11
17318983	9,927514	9,771132	9,991591	9,995438	9,897688	9,817885	9,8967457	9,903670333	0,00692467	1,004811351	Tst
17536655	3,028579	2,986912	3,086306	2,882444	2,916075	3,324055	3,0339323	3,040858	0,00692567	1,004812047	---
17243014	7,347337	7,3375	7,434824	7,332207	7,55757	7,250669	7,3732203	7,380148667	0,00692833	1,004813905	Fam108a
17515566	8,048568	8,010275	7,950609	8,001496	8,050198	7,978546	8,0031507	8,01008	0,00692933	1,004814601	Vps26b // Vps26b
17487395	8,741251	8,890306	8,850462	8,735215	8,973425	8,794197	8,8273397	8,834279	0,00693933	1,004821566	Tomm40
17429803	4,98276	4,804717	4,567564	4,870177	4,782407	4,723286	4,7850137	4,791956667	0,006943	1,00482412	---
17418749	8,26738	8,327702	8,433377	8,470564	8,383079	8,195684	8,3428197	8,349775667	0,006956	1,004833174	BC003266
17488167	6,464446	6,65743	6,625669	6,730042	6,550682	6,487813	6,582515	6,589512333	0,00699733	1,004861963	Itpkc
17548094	10,04444	10,27447	9,895308	9,947218	10,11107	10,17698	10,071406	10,07842267	0,00701667	1,004875429	Gnpnat1
17251301	3,039808	2,808749	2,842254	2,894469	3,002048	2,815356	2,896937	2,903957667	0,00702067	1,004878215	---
17503327	10,46619	10,58575	10,50271	10,4946	10,52258	10,55856	10,518217	10,52524667	0,00703	1,004884716	2310036O22Rik
17227722	3,054168	3,184762	3,071393	3,066009	3,12494	3,140465	3,103441	3,110471333	0,00703033	1,004884948	4930590L20Rik
17372921	3,526225	3,632859	3,152247	3,564272	3,389537	3,378654	3,4371103	3,444154333	0,007044	1,004894468	Olfr1201
17352056	7,1645	6,990784	7,083437	7,176417	7,037876	7,045589	7,0795737	7,086627333	0,00705367	1,004901201	5430411K18Rik
17298139	8,452013	8,477746	8,452293	8,478211	8,472914	8,452096	8,460684	8,467740333	0,00705633	1,004903058	Actr8
17308209	7,472359	7,690317	7,451633	7,560643	7,493132	7,581724	7,538103	7,545166333	0,00706333	1,004907934	2610301G19Rik
17546745	5,40026	6,570115	5,077439	5,241288	5,454961	6,372762	5,6826047	5,689670333	0,00706567	1,00490956	---
17515510	4,229983	4,424383	4,315086	4,15504	4,698002	4,137721	4,3231507	4,330254333	0,00710367	1,004936029	Gm10701
17239483	4,525202	4,713831	4,33395	4,67579	4,606988	4,311587	4,5243277	4,531455	0,00712733	1,004952514	Gm20125
17291531	3,883533	3,518878	3,695385	3,621021	3,675918	3,822271	3,6992653	3,706403333	0,007138	1,004959945	---
17225837	8,098234	8,256403	8,258516	8,160983	8,454081	8,019513	8,2043843	8,211525667	0,00714133	1,004962267	Slco4c1
17543891	5,810258	5,783759	5,690455	5,782272	5,620766	5,902864	5,7614907	5,768634	0,00714133	1,00496366	5530601H04Rik // 5530601H04Rik
17212334	4,790261	4,509644	4,793842	4,843758	4,834536	4,436917	4,6979157	4,705070333	0,00715467	1,004971554	Gpr45
17279542	4,716629	4,784372	4,660571	4,493388	4,962487	4,727167	4,720524	4,727680667	0,00715667	1,004972948	Adam6a
17508163	9,817186	10,04065	9,906685	9,71981	10,1098	9,956413	9,921507	9,928674333	0,00716733	1,004980378	---
17348138	8,385567	8,091022	8,338617	8,640928	8,195501	8,000322	8,2717353	8,278917	0,00718167	1,004990363	9430020K01Rik
17302414	2,795853	2,936324	2,844911	2,890097	2,806806	2,901736	2,8590293	2,866213	0,00718367	1,004991756	---
17223643	3,558249	3,707959	3,453888	3,541657	3,421362	3,778733	3,5733653	3,580584	0,00721867	1,005016137	---
17470580	8,703587	8,843143	8,555741	8,675934	8,650669	8,797562	8,7008237	8,708055	0,00723133	1,005024961	Apobec1
17208485	4,369779	5,407565	3,972784	5,024342	3,849242	4,898289	4,583376	4,590624333	0,00724833	1,005036804	---
17378540	8,598754	8,615937	8,685104	8,557264	8,807838	8,55645	8,633265	8,640517333	0,00725233	1,005039591	Romo1
17348074	3,829896	3,503668	4,306819	4,219931	3,818923	3,623302	3,8801277	3,887385333	0,00725767	1,005043306	---
17257835	8,018091	8,165908	7,909121	7,783083	8,134987	8,196851	8,03104	8,038307	0,007267	1,005049808	Amz2
17412913	6,680171	6,533251	6,671219	6,667838	6,667074	6,571532	6,6282137	6,635481333	0,00726767	1,005050273	Il11ra1
17248631	5,164009	4,980667	4,82296	4,998991	5,09622	4,894256	4,989212	4,996489	0,007277	1,005056775	---
17294324	7,074587	6,734507	7,210042	7,178143	6,902023	6,960805	7,0063787	7,013657	0,00727833	1,005057703	Cep72
17548694	9,662067	9,683617	9,607937	9,601109	9,764096	9,610325	9,651207	9,65851	0,007303	1,005074888	Gng5 // Gng5
17471541	7,770698	7,558261	7,315482	7,145877	7,680879	7,839596	7,548147	7,555450667	0,00730367	1,005075352	Clec7a
17237851	4,993407	5,381664	5,448738	5,372101	5,226045	5,247598	5,274603	5,281914667	0,00731167	1,005080925	Avil
17286670	8,325019	8,485879	8,287904	8,425618	8,263136	8,432011	8,3662673	8,373588333	0,007321	1,005087428	Snrnp48
17547941	10,25409	10,2618	10,20775	10,16998	10,33817	10,23749	10,241213	10,24854667	0,00733333	1,00509602	Gng5 // Gng5
17422996	7,449765	7,385584	7,324559	7,298775	7,533494	7,349652	7,386636	7,393973667	0,00733767	1,005099039	Plag1
17549186	6,860126	7,279711	6,811392	7,102939	6,988893	6,88141	6,983743	6,991080667	0,00733767	1,005099039	---
17200417	4,21873	4,70053	3,912825	4,220728	4,241297	4,392078	4,2773617	4,284701	0,00733933	1,0051002	---
17326706	3,263017	3,667849	3,271034	3,315367	3,46094	3,447645	3,4006333	3,407984	0,00735067	1,005108096	---
17309774	4,780025	5,121838	4,959414	4,938024	4,868392	4,976926	4,953759	4,961114	0,007355	1,005111115	Fgf14
17548326	4,821678	4,879069	4,667133	4,671704	5,037583	4,680658	4,7892933	4,796648333	0,007355	1,005111115	LOC100862467 // LOC100862467
17397417	6,130856	6,133364	6,32862	6,142764	6,181019	6,291138	6,1976133	6,204973667	0,00736033	1,005114831	---
17438098	4,737405	4,810179	4,529006	4,506479	4,907668	4,684537	4,6921967	4,699561333	0,00736467	1,00511785	---
17451605	6,678675	6,636052	6,600237	6,446069	6,783404	6,70766	6,6383213	6,645711	0,00738967	1,005135267	4930515G01Rik
17474143	8,747993	9,053528	9,039081	8,783497	9,004847	9,074487	8,9468673	8,954277	0,00740967	1,005149201	Slc1a5
17405583	6,484351	6,306776	6,429739	6,332674	6,573779	6,336648	6,4069553	6,414367	0,00741167	1,005150595	E130311K13Rik
17498099	10,53514	10,57768	10,6682	10,61264	10,68299	10,50764	10,593673	10,60109	0,00741667	1,005154078	Ctsd
17308463	9,623921	9,424212	9,702931	9,452972	9,61383	9,706533	9,583688	9,591111667	0,00742367	1,005158955	---
17550707	11,03681	10,95177	10,92677	11,00048	10,85898	11,07817	10,971783	10,97921	0,00742667	1,005161046	---
17223329	6,582143	6,42346	6,396215	6,517626	6,42288	6,483607	6,4672727	6,474704333	0,00743167	1,005164529	---
17425686	6,624477	6,560341	6,594653	6,481207	6,706967	6,613607	6,593157	6,600593667	0,00743667	1,005168013	Lpar1
17273747	3,689691	3,797685	3,862185	3,722893	4,073499	3,575499	3,783187	3,790630333	0,00744333	1,005172658	---
17472422	4,602872	4,641664	4,522026	4,457933	4,643733	4,68724	4,588854	4,596302	0,007448	1,005175909	Slco1a6
17337645	2,91927	3,49026	3,293873	3,452411	3,269595	3,003753	3,2344677	3,241919667	0,007452	1,005178696	Gm20410
17367926	7,026312	7,071486	7,062563	7,009765	7,170395	7,002578	7,0534537	7,060912667	0,007459	1,005183573	Man1b1
17233260	3,012474	3,187873	3,129938	2,950092	3,226107	3,176486	3,110095	3,117561667	0,00746667	1,005188915	---
17315546	11,72847	11,80303	11,82081	11,83227	11,83137	11,7111	11,784103	11,79158	0,00747667	1,005195882	Hnrnpa1
17429605	4,152228	4,106128	4,190776	4,358971	4,097528	4,015113	4,1497107	4,157204	0,00749333	1,005207495	Gm10573
17429609	4,152228	4,106128	4,190776	4,358971	4,097528	4,015113	4,1497107	4,157204	0,00749333	1,005207495	Gm10573 // Gm10573 // Gm10573 // Gı
17443921	4,918897	5,075934	5,21447	5,003819	5,000019	5,227952	5,069767	5,077263333	0,00749633	1,005209585	---

17478058	5,182659	5,071822	5,306674	5,269369	4,972259	5,342018	5,1870517	5,194548667	0,007497	1,00521005	Ccdc114
17505863	4,451454	4,640163	4,549204	4,564913	4,495764	4,602681	4,5469403	4,554452667	0,00751233	1,005220733	Vat1l
17364948	7,731467	7,578771	7,768855	7,705206	7,686325	7,710116	7,693031	7,700549	0,007518	1,005224682	Slc25a28
17435008	5,357957	5,394757	5,358916	5,492456	5,349625	5,29213	5,3705433	5,378070333	0,007527	1,005230953	Magi2
17549442	5,678496	5,854898	5,745357	6,025131	5,577627	5,698579	5,7595837	5,767112333	0,00752867	1,005232114	---
17549830	5,678496	5,854898	5,745357	6,025131	5,577627	5,698579	5,7595837	5,767112333	0,00752867	1,005232114	---
17249272	3,87921	3,666861	3,560672	3,880571	3,793095	3,455669	3,7022477	3,709778333	0,00753067	1,005233508	9230009I02Rik
17256321	6,759735	6,334308	6,410852	6,679787	6,173322	6,674417	6,5016317	6,509175333	0,00754367	1,005242566	---
17410718	3,880643	3,931623	4,141155	4,049915	4,081785	3,84436	3,9844737	3,99202	0,00754633	1,005244424	Pdha2
17200639	4,257375	4,050714	3,684556	4,074142	4,122861	3,818289	3,9975483	4,005097333	0,007549	1,005246282	---
17316175	7,845708	7,889	8,047101	7,864974	7,986003	7,953506	7,9272697	7,934827667	0,007558	1,005252553	Basp1
17204483	2,711334	3,609703	3,374218	3,427376	3,041259	3,249346	3,2317517	3,239327	0,00757533	1,005264631	---
17519084	6,564137	6,480388	6,571297	6,497741	6,631125	6,509732	6,5386073	6,546199333	0,007592	1,005276244	Fam63b // Fam63b
17208777	3,546218	3,615177	3,468579	3,694432	3,377887	3,580436	3,5433247	3,550918333	0,00759367	1,005277405	---
17384457	10,45118	10,48156	10,45177	10,36466	10,53869	10,50395	10,461503	10,4691	0,00759667	1,005279496	Stom
17431152	8,398818	8,622351	8,647531	8,490698	8,689845	8,510983	8,5562333	8,563842	0,00760867	1,005287857	Dhdds
17510885	7,909665	7,951491	7,670634	7,70349	8,0211	7,830029	7,84393	7,851539667	0,00760967	1,005288554	Elmod2
17346956	9,817053	9,871835	9,62782	9,707511	9,785867	9,846172	9,772236	9,77985	0,007614	1,005291574	Myl12b
17548821	5,314008	5,304055	5,420712	5,257596	5,271791	5,532246	5,3462583	5,353877667	0,00761933	1,00529529	---
17548871	5,314008	5,304055	5,420712	5,257596	5,271791	5,532246	5,3462583	5,353877667	0,00761933	1,00529529	---
17339066	5,089878	5,048284	4,950784	5,048284	5,063301	5,000232	5,0296487	5,037272333	0,00762367	1,00529831	---
17457310	6,6874	6,492724	6,700975	6,773907	6,429673	6,700503	6,627033	6,634694333	0,00766133	1,005324557	Chrm2
17341551	5,593168	5,653898	5,741045	5,549355	5,869485	5,592258	5,6627037	5,670366	0,00766233	1,005325254	---
17451390	5,562663	5,377086	5,336532	5,456829	5,432826	5,409633	5,425427	5,433096	0,007669	1,005329899	Cmklr1
17448146	3,498278	3,4443	3,463737	3,304642	3,790846	3,333855	3,4687717	3,476447667	0,007676	1,005334777	---
17288440	6,454824	5,285325	5,679224	6,011017	5,622065	5,809331	5,8064577	5,814137667	0,00768	1,005337565	---
17262127	4,04822	4,026531	3,965204	3,965204	3,813905	4,283907	4,0133183	4,021005333	0,007687	1,005342443	Dppa1
17287039	4,942939	4,93206	4,69068	4,702605	4,805362	5,080818	4,8552263	4,862928333	0,007702	1,00535895	---
17349243	8,393401	8,441944	8,299269	8,373348	8,39242	8,391953	8,3782047	8,385907	0,00770233	1,005353128	Map3k2
17307903	3,275071	3,233927	3,13267	3,516273	3,18136	2,967257	3,2138893	3,22163	0,00774067	1,005379841	---
17438631	3,590971	3,743343	3,550917	3,525844	3,711932	3,670692	3,6284103	3,636156	0,00774567	1,005383325	Csn1s1
17497682	5,542808	5,299156	5,413554	5,306554	5,567986	5,404223	5,418506	5,426254333	0,00774833	1,005385184	C330022C24Rik
17384021	7,031864	7,122189	6,929141	7,177434	6,995386	6,933631	7,0277313	7,035483667	0,00775233	1,005387971	Stxbp1
17548346	11,54725	11,75946	11,65878	11,66228	11,61173	11,71474	11,655163	11,66291667	0,00775333	1,005388668	---
17322842	6,818724	6,535146	6,677187	6,677388	6,521217	6,855724	6,677019	6,684776333	0,00775733	1,005391456	Ciita
17247448	8,113621	8,239204	8,085266	8,075048	8,116948	8,26937	8,1460303	8,153788667	0,00775833	1,005392152	Ppp3r1
17333267	13,04619	13,02811	13,03145	13,05496	13,05577	13,01832	13,03525	13,04301667	0,00776667	1,00539796	Plg
17409647	6,464878	6,382927	6,809685	6,669808	6,607636	6,40335	6,5524967	6,560264667	0,007768	1,005398889	---
17373443	5,06554	4,725842	4,955835	4,941255	5,141069	4,6883	4,915739	4,923541333	0,00780233	1,005422816	Chrm4
17314421	4,375616	4,282493	4,249372	4,36123	4,434494	4,135177	4,3024937	4,310300333	0,00780667	1,005425836	Pdzrn4
17257593	6,432638	6,978944	6,754226	6,808517	6,722232	6,658504	6,721936	6,729751	0,007815	1,005431643	---
17257639	3,858716	4,58005	4,353369	4,71317	4,094341	4,008079	4,264045	4,271863333	0,00781833	1,005433966	---
17440521	5,49838	4,860937	4,945694	4,94447	5,438383	4,945694	5,1016703	5,109515667	0,00784533	1,005452783	Gm1679
17219488	9,906672	9,917902	9,808999	9,668185	10,16661	9,82234	9,8778577	9,885711667	0,007854	1,005458823	---
17388452	4,737205	4,444626	4,349792	4,050113	4,88362	4,621454	4,510541	4,518395667	0,00785467	1,005459288	---
17377638	5,381583	5,442714	5,712192	5,293478	5,515466	5,75114	5,512163	5,520028	0,007865	1,00546649	Angpt4
17336655	6,213521	6,241352	6,17361	6,23249	6,223783	6,1959	6,2094943	6,217391	0,00789667	1,005488559	Fkbpl
17512634	8,932864	8,748915	8,97565	8,905459	8,96904	8,806655	8,8858097	8,893718	0,00790833	1,005496691	Esrp2
17210953	3,931095	3,971076	3,897591	4,021852	3,669614	4,132041	3,933254	3,941169	0,007915	1,005501337	St18
17479516	7,011502	6,91213	6,686731	6,771327	6,783075	7,079713	6,870121	6,878038333	0,00791733	1,005502963	D330012F22Rik
17407378	5,192718	5,264587	4,958322	5,009114	5,480355	4,949934	5,1385423	5,146467667	0,00792533	1,005508539	Lor
17282253	7,713062	7,868409	7,788457	7,787733	7,757928	7,848076	7,789976	7,797912333	0,00793633	1,005516206	Dcaf5
17352573	5,815232	6,583513	6,099876	6,265247	5,945234	6,311975	6,166207	6,174152	0,007945	1,005522246	---
17397170	7,277861	7,206064	7,269836	7,220453	7,352524	7,204626	7,2512537	7,259201	0,00794733	1,005523872	Spry1
17323623	4,400202	4,362959	4,570927	4,231783	4,825149	4,301008	4,444696	4,452646667	0,00795067	1,005526196	Tssk2
17206563	5,107277	4,995641	5,261873	4,775421	5,861833	4,751431	5,121597	5,129561667	0,00796467	1,005535953	---
17281902	3,395307	3,639251	3,320743	3,434344	3,411164	3,533711	3,451767	3,459739667	0,00797267	1,005541529	D830013O20Rik
17240529	7,743093	7,771263	7,681445	7,639214	7,776863	7,803668	7,7319337	7,739915	0,00798133	1,00554757	Foxo3
17254283	6,005761	5,390349	5,855152	5,760816	5,965001	5,549428	5,7504207	5,758415	0,00799433	1,005556631	Ccl4
17533362	9,855017	9,968808	9,963856	9,92604	9,921508	9,964116	9,929227	9,937221333	0,00799433	1,005556631	Usp9x
17265393	7,720058	7,786632	7,559856	7,729425	7,707037	7,654099	7,6888487	7,696853667	0,008005	1,005564065	Nup88
17341917	8,003034	7,903337	7,916254	7,923722	7,979882	7,943048	7,940875	7,948884	0,008009	1,005566853	Tsc2
17279365	8,653511	8,540838	8,623657	8,54378	8,681189	8,617079	8,606002	8,614016	0,008014	1,005570338	Siva1
17470867	4,507354	4,574123	4,825125	4,518499	4,836432	4,575751	4,635534	4,643560667	0,00802667	1,005579167	Lrrc23
17486611	10,15057	10,13109	10,25923	10,16309	10,17198	10,22991	10,180297	10,18832667	0,00803	1,005581491	Chmp2a
17257899	4,444416	4,445006	4,78697	4,593495	4,51778	4,589236	4,5587973	4,566837	0,00803967	1,005588229	1700023C21Rik
17345765	5,606614	5,51289	5,929737	5,723726	5,829605	5,520059	5,6830803	5,69113	0,00804967	1,005595199	9830107B12Rik
17393771	8,042356	8,169801	7,925982	7,979643	8,126173	8,056485	8,0460463	8,054100333	0,008054	1,005598219	Tti1
17274615	3,020405	3,062525	3,063758	3,00998	3,196122	2,964788	3,048896	3,056963333	0,00806733	1,005607513	---
17478942	8,753425	8,757764	8,749542	8,668877	8,861229	8,754862	8,753577	8,761656	0,008079	1,005615645	Tm2d3
17487701	5,295724	5,248724	5,505191	5,348674	5,375597	5,349666	5,3498797	5,357979	0,00809933	1,005629818	Zfp94
17412643	3,473666	3,542293	3,63735	3,531034	3,669838	3,476757	3,551103	3,559209667	0,00810667	1,00563493	---
17521417	7,19591	7,230106	7,147166	7,26007	7,123247	7,214213	7,1910607	7,199176667	0,008116	1,005641436	Tusc2
17382778	7,561188	7,551272	7,515009	7,546913	7,560255	7,544669	7,5424897	7,550612333	0,00812267	1,005646083	Camsap1
17204909	6,680861	6,769889	7,360744	7,36305	6,746853	6,72596	6,9371647	6,945287667	0,008123	1,005646315	---
17472271	3,993216	3,793407	3,66557	3,941192	3,849611	3,685826	3,8173977	3,825543	0,00814533	1,005661883	Slc15a5
17452194	8,580561	8,635283	8,590477	8,435867	8,730136	8,66479	8,602107	8,610264333	0,00815733	1,005670248	Erp29
17369271	6,79822	6,881571	6,870715	6,887699	6,823301	6,864007	6,8501687	6,858335667	0,008167	1,005676986	Mettl11a
17360823	6,065934	6,06974	5,982355	5,97788	6,221185	5,943533	6,039343	6,047532667	0,00818967	1,005692787	Slc18a2
17446930	6,590923	6,515629	6,53596	6,608611	6,658181	6,400307	6,547504	6,555699667	0,00819567	1,00569697	Ift172
17277472	7,402175	7,596534	7,534327	7,379291	7,544737	7,633612	7,511012	7,519213333	0,00820133	1,00570092	1700019E19Rik
17243312	9,402973	9,503773	9,57368	9,412868	9,520506	9,571663	9,4934753	9,501679	0,00820367	1,005702546	Fzr1
17531383	3,555191	3,518345	3,628626	3,555191	3,516456	3,655131	3,5673873	3,575592667	0,00820533	1,005703708	Fbxw19
17276940	7,520871	7,573234	7,34234	7,57571	7,418011	7,467351	7,478815	7,487024	0,008209	1,005706264	Pcnx
17301291	5,186649	5,063429	5,156871	5,189626	5,188385	5,05357	5,1356497	5,143860333	0,00821067	1,005707426	A930011O12Rik
17468715	5,52798	4,813573	5,577492	5,246157	5,642055	5,055525	5,3063483	5,314579	0,00823067	1,005721368	Dnajb8 // Dnajb8
17432341	7,882858	8,075732	8,002276	7,793434	8,098025	8,094114	7,9869553	7,995191	0,00823567	1,005724854	Efhd2
17201327	6,930929	5,947508	6,312689	6,487583	6,533376	6,194896	6,397042	6,405285	0,008243	1,005729966	---
17275158	5,059644	4,867658	5,101207	4,92251	5,022162	5,10858	5,009503	5,017750667	0,00824767	1,005733219	---
17490126	5,655164	5,534144	5,856952	5,844924	5,637382	5,588716	5,6820867	5,690340667	0,008254	1,005737634	Iglon5
17408375	3,776744	3,48922	3,284857	3,492362	3,739926	3,34337	3,5169403	3,525219333	0,008279	1,005755063	---
17328625	7,943925	8,096869	8,012735	8,114649	8,096358	7,867373	8,017843	8,026126667	0,00828367	1,005758316	Sdf2l1
17240119	3,811788	3,76615	3,949214	3,89282	3,897804	3,761453	3,842384	3,850692333	0,00830833	1,005775512	D830005E20Rik // D830005E20Rik
17311315	10,41514	10,21698	10,18573	10,31442	10,22305	10,30533	10,272617	10,28093333	0,00831667	1,005781322	Ttc35
17481167	3,337433	3,818764	3,487533	3,4684	3,316342	3,883995	3,54791	3,556245667	0,00833567	1,005794568	Olfr582
17540127	4,167087	3,919057	3,776055	4,095273	3,792932	3,999031	3,9540663	3,962412	0,00834567	1,005801539	Ssxb8
17225499	6,778296	6,703443	6,842821	6,548923	6,843336	6,957349	6,7748533	6,783202667	0,00834933	1,005804096	Hes6
17257735	4,664647	4,309387	4,599805	4,716189	4,471186	4,411528	4,524613	4,532967667	0,00835467	1,005807814	LOC100862332
17432014	5,240028	5,236577	5,450469	5,370361	5,363449	5,218336	5,3090247	5,317382	0,00835733	1,005809673	Padi4
17414161	3,825403	3,755159	3,947208	3,783453	3,988674	3,780719	3,84259	3,850948667	0,00835867	1,005810603	Nipsnap3a
17397185	6,202912	6,292536	5,924202	6,483366	5,854024	6,107337	6,1398833	6,148242333	0,008359	1,005810835	Fat4
17290707	8,170779	8,313089	8,266819	8,294571	8,290288	8,190973	8,250229	8,258610667	0,00838167	1,005826638	Tbce
17300292	7,513947	7,873415	7,834394	7,747685	7,93896	7,560277	7,7405853	7,748974	0,00838867	1,005831518	Lrp10
17260839	10,88464	10,99431	10,861	10,90947	10,98527	10,87039	10,913317	10,92171	0,00839333	1,005834772	Actr2
17225506	7,025959	6,969912	7,137151	7,086551	7,004951	7,066727	7,0443407	7,052743	0,00840233	1,005841046	Per2
17209671	4,283635	3,814249	3,70338	4,710447	3,569952	3,546116	3,9337547	3,942171667	0,008417	1,005851272	---
17381256	5,804546	5,801732	6,039197	5,99471	5,790993	5,885042	5,881825	5,890248333	0,00842333	1,005855688	---
17544689	3,893871	3,435097	3,751922	3,615233	3,788631	3,702323	3,69363	3,702062333	0,00843233	1,005861963	Gprasp2 // Gprasp2
17491701	4,250195	3,968402	3,904171	4,079	4,041095	4,027983	4,0409227	4,049359333	0,00843667	1,005864984	A230057D06Rik
17341619	4,993591	5,147272	5,237577	5,153874	5,23351	5,016371	5,1261467	5,134585	0,00843833	1,005866146	Flywch2
17332554	4,596606	4,412063	4,421731	4,397966	4,608858	4,448908	4,47768	4,485244	0,008444	1,005870097	Fam3b
17277625	6,910112	6,781561	6,938165	6,830839	6,913083	6,911259	6,8766127	6,885060333	0,00844767	1,005872653	1810035L17Rik
17361656	5,183092	5,085323	5,040172	5,058632	5,148956	5,126349	5,1028623	5,111312333	0,00845	1,00587428	Ovol1
17329350	9,088914	8,9216	8,875443	8,916514	8,964661	9,030134	8,6619857	8,970436333	0,00845067	1,005874745	Tbccd1
17317206	10,44963	10,79174	10,71129	10,66668	10,37251	10,93884	10,650887	10,65934333	0,00845667	1,005878928	---
17234833	5,636326	5,454235	5,689326	5,723444	5,459786	5,622054	5,5932957	5,601761333	0,00846567	1,005885203	Slc1a6
17339223	6,331855	6,277265	6,249507	6,195869	6,271778	6,416395	6,286209	6,294680667	0,00847167	1,005889387	Lama1
17288903	7,621486	7,356316	7,6002	7,590386	7,52754	7,485517	7,5260007	7,534481	0,00848033	1,005895429	Mblac2
17520420	2,708583	3,20672	3,013095	2,981238	2,974473	2,998132	2,9761327	2,984614333	0,00848167	1,005896359	---
17343678	8,922425	9,10869	9,228737	9,168618	9,026735	9,089952	9,0866173	9,095101667	0,00848433	1,005898218	H2-Ke2
17203177	5,234104	5,388417	5,14551	5,008378	5,527884	5,257247	5,2560103	5,264503	0,00849267	1,005904028	---
17250076	4,214646	3,981609	4,339133	4,15902	4,241329	4,16054	4,1784627	4,186963	0,00850033	1,005909374	Olfr324
17426926	4,853048	4,856439	5,021892	4,975108	4,858671	4,923101	4,9104597	4,91896	0,00850033	1,005909374	---
17381026	6,529215	6,196364	6,494401	6,533798	6,397599	6,314143	6,40666	6,41518	0,00852	1,005923086	Lime1
17297116	4,564801	4,550432	4,691828	4,549121	4,689509	4,594048	4,6023537	4,610892667	0,008539	1,005936334	---
17276273	7,80646	7,813838	7,476501	7,772011	7,554655	7,795768	7,698933	7,707478	0,008545	1,005940518	Slc38a6
17374388	4,065478	3,804507	4,199699	4,094494	4,106868	3,893959	4,023228	4,031773667	0,00854567	1,005940983	---
17549910	9,193122	9,326478	9,105892	9,163642	9,188706	9,298802	9,2084973	9,21705	0,00855267	1,005945864	---
17421432	7,919222	7,817144	7,917374	8,055057	7,914566	7,709808	7,88458	7,893143667	0,00856367	1,005953534	Gm13251
17474342	5,186068	4,701775	5,068398	4,902565	4,991535	5,087844	4,9854137	4,993981333	0,00856767	1,005956323	Mill1
17506431	8,682017	8,57367	8,672571	8,571475	8,71014	8,672366	8,6427527	8,651327	0,00857433	1,005960971	Trappc2l
17316057	8,835176	8,657125	8,695408	8,75404	8,710596	8,748823	8,7292363	8,737819667	0,00858333	1,005967247	Sub1
17447829	9,222836	9,457586	9,364598	9,350678	9,257132	9,462972	9,34834	9,356927333	0,00858733	1,005970036	Gm5292
17471484	4,686093	4,535611	4,695466	4,653298	4,473647	4,816019	4,6390567	4,647654667	0,008598	1,005977474	Clec2e

17349456	12,76551	12,77581	12,83186	12,80776	12,80204	12,78919	12,79106	12,79966333	0,00860333	1,005981193	---	
17453421	10,31608	10,33215	10,39701	10,40038	10,3245	10,34617	10,348413	10,35701667	0,00860333	1,005981193	Eif4h	
17307550	8,989672	9,019842	8,906374	8,9493	8,950606	9,041857	8,9719627	8,980587667	0,008625	1,005996301	Ints6	
17517848	5,429854	5,406471	5,590545	5,413519	5,654745	5,384522	5,4756233	5,484262	0,00863867	1,006005831	Stra6	
17486648	3,095304	3,220092	3,400296	3,372462	3,117065	3,252204	3,238564	3,247243667	0,00867967	1,006034421	Vmn1r87	
17439535	5,978357	5,712245	5,812801	5,802618	6,026003	5,700829	5,8344677	5,84315	0,00868233	1,00603628	Bmp3	
17550578	12,73337	12,89153	12,90352	12,84985	12,92382	12,7808	12,842807	12,85149	0,00868333	1,006036978	---	
17266298	5,321159	5,199273	5,563984	5,529902	5,166664	5,413924	5,361472	5,370163333	0,00869133	1,006042556	Gm10277	
17330805	4,118783	4,069694	4,082669	4,150197	4,144916	4,00211	4,090382	4,099074333	0,00869233	1,006043254	Trat1	
17414299	10,60287	10,85338	10,64846	10,672	10,68793	10,77094	10,70157	10,71029	0,00872	1,006062547	---	
17245383	7,955714	7,946205	7,929702	7,875474	7,947489	8,034853	7,9438737	7,952605333	0,00873167	1,006070682	Helb	
17207519	5,208488	5,592903	5,118377	5,473727	4,784845	5,687395	5,3065893	5,315322333	0,008733	1,006071612	---	
17395700	7,923046	8,117581	8,053811	7,997302	8,045418	8,077958	8,0314793	8,040226	0,00874667	1,006081143	Ythdf1	
17243278	5,744062	5,652188	5,807565	5,701176	5,743377	5,785524	5,734605	5,743359	0,008754	1,006086257	Gipc3	
17521314	5,948218	5,61796	5,925611	5,878139	5,71143	5,928487	5,8305963	5,839352	0,00875567	1,006087419	6430571L13Rik	
17200277	3,652165	3,741353	3,523907	3,767637	3,522316	3,653765	3,6391417	3,647906	0,00876433	1,006093463	---	
17541525	4,031938	4,005038	4,149488	4,166816	4,024222	4,021752	4,0621547	4,07093	0,00877533	1,006101134	Olfr1321	
17549018	4,005798	4,120189	4,330722	4,137448	4,209538	4,136073	4,1522363	4,161019667	0,00878333	1,006106713	---	
17285097	6,715645	6,698977	6,597018	6,560351	6,709555	6,768116	6,6705467	6,679340667	0,008794	1,006114152	Dip2c	
17296470	3,663386	3,582628	3,739874	3,807397	3,522349	3,682527	3,6619627	3,670757667	0,008795	1,006114849	4933413L06Rik // 4933413L06Rik	
17316521	8,849138	8,892862	8,909834	8,848757	8,877443	8,952044	8,8839447	8,892748	0,00880333	1,006120661	Pabpc1	
17334091	7,293891	7,352061	7,301931	7,32041	7,268551	7,385377	7,315961	7,324779333	0,00881833	1,006131122	Hcfc1r1	
17304906	7,354367	7,221746	7,230207	7,391192	7,225023	7,216625	7,2687733	7,277613333	0,00884	1,006146232	Wdfy4	
17285846	4,219455	3,714714	4,016126	3,810627	4,272997	3,893195	3,9834317	3,992273	0,00884133	1,006147162	LOC100862646 // Hist1h4m // Hist1h4b	
17444106	7,961887	7,957018	7,963388	7,933444	8,035063	7,940329	7,9607643	7,969612	0,00884767	1,006151579	Lfng	
17416422	4,771402	4,268497	4,694387	4,72636	4,230631	4,80386	4,5780953	4,586950333	0,008855	1,006156693	2210012G02Rik // 2210012G02Rik	
17251994	5,271297	5,407012	5,293163	5,398355	5,424645	5,17504	5,323824	5,33268	0,008856	1,006157391	Slc16a11	
17310404	9,799558	9,862507	9,787775	9,796658	9,820095	9,859715	9,8166133	9,825489333	0,008876	1,006171339	Zfr	
17248360	4,57509	4,911447	4,493212	4,755493	4,63032	4,620584	4,6599163	4,668799	0,00888267	1,006175989	---	
17388687	6,05059	6,127385	6,148294	6,08473	6,205638	6,062549	6,1087563	6,117639	0,00888267	1,006175989	Prr5l	
17293190	7,217158	7,116144	7,186046	7,052553	7,279165	7,214387	7,173116	7,182035	0,008919	1,006201329	Agtpbp1	
17492431	9,296515	9,212164	9,309506	9,293052	9,341517	9,210379	9,2727283	9,281649333	0,008921	1,006202724	Anpep	
17302972	8,885866	9,359654	9,220429	9,101057	9,204083	9,187575	9,1553163	9,164238333	0,008922	1,006203421	---	
17550755	4,151154	4,237186	4,326941	4,234403	4,222734	4,284932	4,238427	4,247356333	0,00892933	1,006208536	---	
17438314	9,391153	9,289419	9,302282	9,343867	9,376078	9,289704	9,327618	9,336549667	0,00893167	1,006210163	Tmem165	
17282348	8,070961	8,213142	8,102269	8,162857	8,093421	8,156895	8,1287907	8,137724333	0,00893367	1,006211558	Synj2bp	
17507872	7,695355	7,608678	7,659877	7,569587	7,81071	7,61042	7,6546367	7,663572333	0,00893567	1,006212953	2610005L07Rik	
17205163	3,433522	2,801049	3,081503	3,520026	3,074263	2,748616	3,105358	3,114301667	0,00894367	1,006218533	---	
17209353	3,433522	2,801049	3,081503	3,520026	3,074263	2,748616	3,105358	3,114301667	0,00894367	1,006218533	---	
17394527	4,202561	4,519848	4,569961	4,470301	4,382739	4,46618	4,43079	4,43974	0,00895	1,00622295	---	
17308470	11,67183	11,92421	11,7675	11,59865	11,891	11,90075	11,787847	11,7968	0,00895333	1,006225275	---	
17332122	8,149333	8,134048	7,992676	8,047708	8,054471	8,200792	8,092019	8,100990333	0,00897133	1,006237829	Tmem50b	
17287005	4,615595	4,980676	5,017035	4,832973	4,98923	4,818097	4,871102	4,8801	0,008998	1,006256429	Cap2	
17307290	5,691987	5,633536	5,366603	5,809649	5,64803	5,261444	5,564042	5,573041	0,008999	1,006257126	D14Ertd668e	
17549912	5,373569	5,396379	5,580477	5,470463	5,365547	5,541428	5,4501417	5,459146	0,00900433	1,006260846	---	
17256828	8,419148	8,484682	8,375783	8,356947	8,477876	8,471815	8,4265377	8,435546	0,00900833	1,006263636	Dhx8	
17514495	4,338359	4,162972	4,413797	4,538336	4,103162	4,300698	4,3050427	4,314065333	0,00902267	1,006273633	Mmp12	
17526127	4,394438	4,250899	4,52907	4,440679	4,390934	4,369887	4,391469	4,4005	0,009031	1,006279446	Gm10687	
17407561	8,319462	8,222816	8,11944	8,266763	8,053662	8,368415	8,2205727	8,229613333	0,00904067	1,006286188	Snx27	
17282920	4,711007	4,469083	4,38173	4,923284	4,383836	4,281922	4,5206067	4,529680667	0,009074	1,006309439	Gm16381 // Gm16381	
17364139	9,606215	9,595799	9,449717	9,461831	9,76066	9,456533	9,550577	9,559674667	0,00909767	1,006325947	Slc16a12	
17309095	4,074317	4,25954	3,765664	4,039721	4,165557	3,921573	4,0331737	4,042283667	0,00911	1,00633455	---	
17548736	4,454716	4,767541	4,705565	4,588274	4,831849	4,535052	4,6426073	4,651725	0,00911767	1,006339898	---	
17362801	5,976667	5,713997	6,006948	5,790932	6,028958	5,90514	5,899204	5,908343333	0,00913933	1,006355011	Tmem109	
17383395	6,5581	6,682677	6,722826	6,597481	6,620043	6,773531	6,6545343	6,663685	0,00915067	1,006362917	Gtf3c5	
17206055	3,726913	3,308212	3,295686	3,519205	3,45248	3,386582	3,4436037	3,452755667	0,009152	1,006363847	---	
17520394	6,494158	5,722623	6,154905	6,469148	6,020303	5,909701	6,1238953	6,133050667	0,00915533	1,006366172	---	
17269889	4,448761	4,395197	4,442597	4,288991	4,718837	4,306207	4,4288517	4,438011667	0,00916	1,006369427	Ptges3l	
17454936	4,018987	3,956211	4,051775	3,915876	4,122782	4,015816	4,008991	4,018158	0,009167	1,00637431	Ocm // Ocm	
17297391	7,231915	7,308692	7,00983	7,29283	7,218584	7,066563	7,183479	7,192659	0,00918	1,006383379	Nid2	
17491242	8,573629	8,498308	8,344061	8,505672	8,462915	8,474972	8,4719993	8,481186333	0,009187	1,006388262	Tsg101	
17533183	5,18993	5,039074	5,341747	5,246852	5,211848	5,139614	5,1902503	5,199438	0,00918767	1,006388727	B630019K06Rik	
17471616	3,720978	3,736812	3,789085	3,80373	3,627674	3,843045	3,7489583	3,758149667	0,00919133	1,006391284	Klri2	
17210841	4,876726	4,443751	4,806763	4,860042	4,506699	4,788091	4,70908	4,718277333	0,00919733	1,00639547	---	
17331092	5,002664	5,100718	4,675335	4,768148	5,029369	5,008801	4,926239	4,935439333	0,00920033	1,006397563	2310005G13Rik	
17260795	3,646632	3,535062	3,499055	3,64033	3,470009	3,598015	3,5602497	3,569451333	0,00920167	1,006398493	---	
17252351	4,280068	3,95262	4,433895	4,087991	4,501315	4,104893	4,2221943	4,231399667	0,00920533	1,006401051	Fbxo39	
17242839	9,285191	9,424414	9,391196	9,187808	9,424005	9,516611	9,3669337	9,376141333	0,00920767	1,006402678	Atp5d // Atp5d	
17262521	9,765366	9,767649	9,689246	9,848196	9,667418	9,734302	9,7407537	9,749972	0,00921833	1,006410119	Sec24a	
17415973	9,40884	9,40577	9,268821	9,381329	9,44455	9,285213	9,3611437	9,370364	0,00922033	1,006411514	Leprot	
17436942	3,091634	3,001756	3,008348	2,995536	3,035761	3,098112	3,0339127	3,043136333	0,00922367	1,00641384	D5Ertd579e // D5Ertd579e	
17375409	4,865944	4,682937	4,930833	4,919885	4,822543	4,764964	4,8265713	4,835797333	0,009226	1,006415467	Duoxa2	
17280009	10,15062	10,21062	10,07559	10,12264	10,25568	10,0862	10,14561	10,15484	0,00923	1,006418258	Ddx1	
17373913	7,522426	7,474621	7,751446	7,949512	7,641607	7,185105	7,582831	7,592074667	0,00924367	1,006427792	---	
17544071	2,813858	3,309126	2,95157	2,917427	3,092444	3,092444	3,0248513	3,034105	0,00925367	1,006434768	---	
17265631	4,351093	4,273811	4,368295	4,382417	4,393217	4,245329	4,3310663	4,340321	0,00925467	1,006435465	Slc13a5	
17208885	5,708865	4,883183	5,725011	5,574132	5,297833	5,47287	5,4390197	5,448278333	0,00925867	1,006438256	---	
17525714	3,143315	3,201607	3,318931	3,419295	3,283915	2,988425	3,2212843	3,230545	0,00926067	1,006439651	Olfr938	
17376119	6,974422	7,340645	7,064101	6,999071	7,318193	7,089721	7,1263893	7,135661667	0,00927233	1,00644779	Chchd5	
17247729	9,293431	9,478445	9,362579	9,360916	9,396544	9,404815	9,3781517	9,387425	0,00927333	1,006448487	Usp34	
17419669	4,855122	4,788758	4,918638	4,876063	4,837935	4,876351	4,8541727	4,863449667	0,009277	1,006451045	Aim1l	
17532908	7,715921	7,82522	7,756972	7,801229	7,610764	7,913962	7,7660377	7,775318333	0,00928067	1,006453603	Gpkow	
17296321	4,255931	4,017868	4,139883	4,25243	4,04103	4,148086	4,137894	4,147182	0,009288	1,006458719	A430090L17Rik	
17477532	4,546957	4,749997	4,994344	4,618783	4,962419	4,738042	4,763766	4,773081333	0,00931533	1,006477788	Izumo2	
17499710	7,326614	6,46129	7,391011	7,317691	6,984177	6,904999	7,0596383	7,068955667	0,00931733	1,006479183	Defa21	
17419890	6,900156	6,749808	6,194316	6,501498	6,618489	6,752253	6,61476	6,62408	0,00932	1,006481043	Il22ra1	
17306423	10,42665	10,75577	10,73056	10,73806	10,67019	10,5327	10,63766	10,64698333	0,00932333	1,006483369	---	
17255244	5,966889	5,08758	5,813356	5,755943	5,986773	5,153161	5,6226083	5,631959	0,00935067	1,006502438	---	
17512666	5,970813	5,67173	5,876503	5,520879	5,925568	6,100661	5,839682	5,849036	0,009354	1,006504763	Smpd3	
17202359	5,968455	5,479845	6,387985	6,287734	5,623783	5,952855	5,9454283	5,954790667	0,00936233	1,006510577	---	
17468511	9,98368	10,03103	9,891489	9,963849	9,958486	10,01196	9,968733	9,978098333	0,00936533	1,00651267	Mxd1	
17476528	5,34758	5,348046	5,772017	5,409683	5,316742	5,769351	5,4892143	5,498592	0,00937767	1,006521275	Sbsn	
17371523	9,593822	9,592931	9,566706	9,550584	9,648232	9,582817	9,5844863	9,593877667	0,00939133	1,00653081	Ubr3	
17360501	7,1259	7,048753	7,070636	7,0928	7,086878	7,093795	7,081763	7,091157667	0,00939467	1,006533135	Tcf7l2	
17458892	8,452141	8,549627	8,427882	8,480848	8,510639	8,466363	8,47655	8,48595	0,0094	1,006536856	Avl9	
17201261	4,949834	4,028755	4,26122	4,623317	4,378263	4,266447	4,4132697	4,422675667	0,009406	1,006541042	---	
17520815	9,894838	9,792415	9,717448	9,795406	9,793709	9,843838	9,801567	9,810984333	0,00941733	1,006548949	Msl2	
17448641	3,744486	3,795922	3,900748	3,9006	3,938834	3,630029	3,8137187	3,823154333	0,00943567	1,00656174	---	
17257143	6,086805	5,921968	6,19108	5,953835	6,003654	6,270679	6,0666177	6,076056	0,00943833	1,006563601	Arhgap27 // Arhgap27	
17326551	3,406314	3,3398	3,543163	3,477438	3,567505	3,272653	3,429759	3,439198667	0,00943967	1,006564531	Cadm2 // Cadm2	
17509428	3,292839	3,225911	3,287615	3,249976	3,307059	3,27765	3,2687883	3,278228333	0,00944	1,006564764	Adam29	
17400555	8,496404	8,389706	8,524448	8,357999	8,557151	8,523736	8,470186	8,479628667	0,00944267	1,006566624	Hist2h3c2 // Hist2h3c2	
17448156	3,31841	3,263998	3,263379	3,31381	3,226817	3,333494	3,281929	3,291373667	0,00944467	1,00656802	4930459L07Rik // 4930459L07Rik	
17325648	4,874907	4,561121	4,738423	4,952653	4,993424	4,256759	4,724817	4,734278667	0,00946167	1,00657988	---	
17440134	8,437407	8,5762	8,46985	8,512598	8,409845	8,589435	8,4944857	8,503959333	0,00947367	1,006588253	---	
17299510	3,02489	3,022912	2,949363	2,992393	3,104594	2,92863	2,999055	3,008539	0,009484	1,006595463	Olfr746	
17275718	9,841981	9,9526	9,820765	9,976113	9,835466	9,832224	9,871782	9,881267667	0,00948567	1,006596626	Mia2	
17375981	6,889462	6,774309	7,108954	6,974021	6,972504	6,854729	6,9242417	6,933751333	0,00950967	1,006613371	---	
17481215	4,388755	4,545622	4,430744	4,516122	4,246557	4,630996	4,4550403	4,464558333	0,009518	1,006619185	Olfr617	
17223844	3,654788	3,719816	3,666525	3,792011	3,66258	3,615108	3,6803763	3,688999667	0,00952333	1,006622907	Crygb	
17491941	5,264271	5,293357	5,330585	5,164268	5,42823	5,324302	5,296071	5,3056	0,009529	1,006626861	Aldh1a3	
17275472	11,0622	11,32705	11,11959	11,27053	11,1425	11,12443	11,169613	11,17915333	0,00954	1,006634536	Srp54a	
17398477	4,547247	4,061686	4,149584	4,236381	4,210737	4,34002	4,252839	4,262379333	0,00954033	1,006634768	4930564K09Rik	
17250305	3,491022	3,131302	3,306326	3,379652	3,196787	3,380845	3,30955	3,319094667	0,00954467	1,006637792	---	
17231356	2,796072	2,784371	2,995679	3,145288	2,7482	2,711323	2,8587073	2,868270333	0,009563	1,006650584	---	
17523921	9,114944	9,09852	8,76845	8,991584	8,962876	9,056245	8,9939713	9,003568333	0,009597	1,006674308	Arhgap42	
17395658	8,888363	8,79896	8,848825	8,871416	8,842836	8,850697	8,8453827	8,854983	0,00960033	1,006676634	Dido1	
17265432	7,954279	8,046702	8,121815	8,038318	8,119168	7,994147	8,040932	8,050544333	0,00961233	1,006685007	Dhx33	
17379981	6,718676	6,674224	6,738325	6,707889	6,625279	6,826904	6,7104083	6,720024	0,00961567	1,006687333	Pard6b	
17257331	8,514686	8,802412	8,555569	8,668136	8,612775	8,620628	8,6242223	8,633846333	0,009624	1,006693148	Tlk2	
17261009	6,924996	6,956025	6,783198	6,842415	6,929056	6,92163	6,888073	6,897700333	0,00962733	1,006695474	B3gnt2	
17446608	3,847652	3,650632	3,920574	3,739519	3,794019	3,914207	3,806286	3,815915	0,009629	1,006696637	Mnx1	
17520638	10,86777	10,88392	10,90597	10,83153	11,00946	10,84556	10,885887	10,89551667	0,00963	1,006697335	Copb2	
17257197	5,045774	5,255063	5,32918	5,127369	5,305198	5,226347	5,2100057	5,219638	0,00963233	1,006698963	Mapt	
17449033	9,256753	9,551445	9,131338	9,242126	9,474881	9,251426	9,3131787	9,322811	0,00963233	1,006698963	Ppat	
17548160	4,298942	4,36129	4,239586	4,485229	4,391966	4,051566	4,2999393	4,309587	0,00964767	1,006709663	Gm16488	
17410090	3,630325	3,754922	3,702524	3,831709	3,77632	3,508706	3,6959237	3,705578333	0,00965467	1,006714547	1700006A11Rik	
17233536	8,282968	8,359106	8,089717	8,290129	8,306545	8,164124	8,2439303	8,253599333	0,009669	1,006724549	P4ha1	
17423778	6,634817	6,690799	6,586731	6,546264	6,679309	6,715807	6,637449	6,647126667	0,00967767	1,006730597	4933421O10Rik	
17252749	4,138635	4,000587	4,37016	4,381258	4,06574	4,091428	4,169794	4,179475333	0,00968133	1,006733155	Olfr59	
17243128	6,045629	6,119899	6,070435	6,193117	5,902688	6,169209	6,0786543	6,088338	0,00968367	1,006734784	Lmnb2	
17301558	8,655787	8,643656	8,557434	8,569138	8,691087	8,625715	8,618959	8,628646667	0,00968767	1,006737575	Kctd9	
17253024	9,547837	9,577	9,622091	9,556067	9,581429	9,638512	9,5823093	9,592002667	0,00969333	1,006741529	Pitpna	
17434471	3,789495	3,664109	3,973793	3,953515	3,75237	3,750613	3,8091323	3,818832667	0,00970033	1,006746414	Gm8773	

17219397	6,748223	6,775074	6,685512	6,570408	6,880619	6,786919	6,7362697	6,745982	0,00971233	1,006754788	Cd48
17288072	3,153774	3,158533	3,085138	3,290423	3,103617	3,032612	3,1324817	3,142217333	0,00973567	1,006771071	BC052688
17385393	5,103891	5,212096	5,487506	5,250538	5,345243	5,236933	5,267831	5,277571333	0,00974033	1,006774327	A930012O16Rik
17471946	3,853465	3,799531	3,54281	3,859588	3,642215	3,723232	3,7319353	3,741678333	0,009743	1,006776188	A630073D07Rik
17220394	4,364613	4,664972	4,6021	4,630067	4,442562	4,588287	4,543895	4,553638667	0,00974367	1,006776653	Capn8
17291833	9,123126	9,158475	9,041541	9,238813	9,107706	9,005863	9,107714	9,117460667	0,00974667	1,006778747	Eci2
17426222	9,228223	9,288326	9,148618	9,167299	9,308285	9,218825	9,2217223	9,231469667	0,00974733	1,006779212	Pole3
17381879	4,892072	4,672876	4,851141	4,745533	4,886391	4,813433	4,805363	4,815119	0,009756	1,00678526	St8sia6
17494386	4,482564	4,336711	4,227743	4,208816	4,464744	4,402759	4,349006	4,358773	0,009767	1,006792937	Trim30c
17361988	6,86481	7,043081	6,897893	7,081471	6,852569	6,901057	6,9352613	6,945032333	0,009771	1,006795728	Arl2
17383723	7,519864	7,583289	7,546561	7,470445	7,711099	7,497489	7,5499047	7,559677667	0,009773	1,006797124	Tor1a
17402283	11,08457	11,05225	10,93923	10,90279	11,07698	11,1256	11,02535	11,03512333	0,00977333	1,006797356	Gclm
17404976	6,482388	6,240783	6,318166	6,285094	6,411181	6,374424	6,3471123	6,356899667	0,00978733	1,006807126	Mfsd8
17454664	5,455857	5,249526	5,468471	5,290196	5,56211	5,350993	5,3912847	5,401099667	0,009815	1,006826434	Radil
17476247	8,184891	8,222056	7,82916	8,066663	8,185652	8,013301	8,0787023	8,088538667	0,00983633	1,006841322	Zfp568
17240840	6,285717	6,355031	6,21009	6,306453	6,22611	6,34781	6,2836127	6,293457667	0,009845	1,006847371	Mcm9
17545862	5,836413	6,12482	5,787745	6,046975	6,001975	5,729566	5,916326	5,926172	0,009846	1,006848069	---
17211562	4,625768	3,794158	4,399225	4,339125	4,26089	4,248697	4,2730503	4,282904	0,00985367	1,006853419	---
17467480	5,447716	4,920847	5,050564	5,184182	5,014471	5,250052	5,139709	5,149568333	0,00985933	1,006857374	Igk-V28 // Igk-V28
17317898	3,665116	3,759038	3,612318	3,639441	3,729282	3,697433	3,678824	3,688718667	0,00989467	1,006882033	Mir151 // Mir151
17498760	6,229267	6,183679	6,348588	6,125198	6,481966	6,184077	6,2538447	6,263747	0,00990233	1,006887384	Evi5l
17507528	5,974976	5,896507	5,938583	5,882491	5,993435	5,96385	5,9366887	5,946592	0,00990333	1,006888082	Mcf2l
17257039	4,105672	4,428997	3,359519	3,802003	4,29263	3,829298	3,9647293	3,974643667	0,00991433	1,006895759	---
17265082	9,079663	9,197737	9,198566	9,249887	9,163372	9,092477	9,1586553	9,168578667	0,00992333	1,006902041	Eif5a
17430253	4,849205	4,439394	4,573491	4,616318	4,720656	4,554896	4,6206967	4,630623333	0,00992667	1,006904367	Hmgb4
17274031	4,170049	4,207682	4,3022	4,289896	4,215015	4,204812	4,2266437	4,236574333	0,00993067	1,006907159	Nt5c1b
17534372	3,102069	3,118882	3,142019	3,244674	3,115045	3,033061	3,12099	3,130926667	0,00993667	1,006911346	Cypt15
17277063	10,14309	10,3418	10,21667	10,28431	10,18643	10,26068	10,233853	10,24380667	0,00995333	1,006922979	Rbm25
17327428	9,349569	9,344057	9,249582	9,302791	9,25596	9,414331	9,3144027	9,324360667	0,009958	1,006926236	Dyrk1a
17201057	5,76402	6,547931	6,189131	5,605618	6,219646	6,705698	6,1670273	6,176987333	0,00996	1,006927632	---
17434280	5,58546	5,45588	5,808176	5,691769	5,582078	5,605584	5,6165053	5,626477	0,00997167	1,006935774	Ccl19
17463478	6,965261	6,891451	6,92829	6,986626	6,895699	6,932668	6,9283	6,938331	0,009997	1,006953456	BC064078
17353101	4,798944	4,629812	4,806127	4,784601	4,782077	4,698224	4,744961	4,754967333	0,01000633	1,006959971	---
17343672	6,135662	5,646886	6,393734	5,869579	6,399442	5,937303	6,0587607	6,068774667	0,010014	1,006965322	Tapbp
17281419	9,42948	9,481421	9,258745	9,281478	9,48918	9,42906	9,389882	9,399906	0,010024	1,006972301	Fkbp3
17513306	4,929623	4,841813	5,067261	4,920066	4,896394	5,052313	4,9462323	4,956257667	0,01002533	1,006973232	4930563M20Rik
17462407	8,555292	8,745767	8,536212	8,693519	8,537536	8,636334	8,6124237	8,622463	0,01003933	1,006983004	Bcl2l13
17515208	8,82534	8,764008	8,848176	8,899103	8,782402	8,786147	8,812508	8,822550667	0,01004267	1,00698533	Dnm2
17367536	8,225619	8,210409	8,188151	8,077681	8,238755	8,337893	8,2080597	8,218109667	0,01005	1,006990449	Apbb1ip
17307580	5,199467	4,892052	5,064753	5,127447	4,997654	5,061341	5,0520907	5,062147333	0,01005667	1,006995102	Defb30
17206823	5,133957	3,742684	4,432383	5,003587	4,165941	4,169672	4,4363413	4,4464	0,01005867	1,006996498	---
17534365	3,588611	3,728209	3,724287	3,729491	3,845107	3,496686	3,680369	3,690428	0,010059	1,006996731	6030498E09Rik
17457843	3,345436	3,340146	3,235085	3,122868	3,364938	3,463075	3,306889	3,316960333	0,01007133	1,00700534	Sval2
17419500	6,001538	5,936846	6,01349	5,984059	5,901464	6,096572	5,983958	5,994031667	0,01007367	1,007006968	Ahdc1
17493380	3,027408	2,979021	3,051657	3,037001	3,006064	3,045278	3,019362	3,029447667	0,01008567	1,007015344	---
17384561	5,377927	5,141667	5,330806	5,418273	5,313995	5,148396	5,2834667	5,293554667	0,010088	1,007016973	Olfr3
17372757	4,29465	3,73666	4,017217	4,327107	3,888543	3,863144	4,0161757	4,026264667	0,010089	1,007017671	Olfr1013
17458072	2,980442	2,929011	2,875667	2,91736	3,112823	2,785261	2,9283733	2,938481333	0,010108	1,007030933	---
17372705	7,466479	7,476037	7,448784	7,443436	7,455121	7,523069	7,4637667	7,473875333	0,01010867	1,007031399	Tnks1bp1
17239090	9,961758	9,947861	9,916791	9,903349	10,01161	9,94181	9,9421367	9,952256333	0,01011967	1,007039077	Tab2
17360751	3,48382	3,344074	3,457871	3,47511	3,438919	3,402122	3,4285883	3,438717	0,01012867	1,007045359	Pnlip
17380466	10,01044	10,24432	10,24238	10,1814	10,04603	10,30011	10,165713	10,17584667	0,01013333	1,007048617	2210418O10Rik
17523472	5,071432	5,089723	4,975668	4,890643	5,054015	5,222569	5,0456077	5,055742333	0,01013467	1,007049548	---
17463344	5,46555	5,226282	5,26015	5,312615	5,184158	5,485617	5,3173273	5,327463333	0,010136	1,007050478	---
17374669	6,325342	6,477315	6,698042	6,491127	6,454726	6,585271	6,500233	6,510374667	0,01014167	1,007054434	Bahd1
17221014	7,531077	7,564853	7,525126	7,552285	7,555583	7,543663	7,540352	7,550510333	0,01015833	1,007066068	Cd34
17412645	9,406219	9,291632	9,369822	9,333011	9,418594	9,346585	9,355891	9,366063333	0,01017233	1,00707584	Akirin2
17309111	3,990273	4,106012	3,922185	3,933826	4,024702	4,090477	4,0061567	4,016335	0,01017833	1,007080029	---
17421153	5,733541	6,006492	5,857625	5,898324	5,860496	5,869447	5,865886	5,876089	0,010203	1,007097248	Gm10565
17210849	2,846157	3,243623	3,457098	2,995709	3,305987	3,275834	3,1822927	3,19251	0,01021733	1,007107253	---
17544486	8,103767	8,115081	8,315424	8,24079	8,083391	8,24076	8,1780907	8,188313667	0,010223	1,007111209	Timm8a1
17399012	9,86475	9,902183	9,816717	9,845076	9,913355	9,855899	9,8612167	9,871443333	0,01022667	1,007113769	Cct3
17406646	4,82838	4,613799	4,853781	4,812266	4,631321	4,883058	4,76532	4,775548333	0,01022833	1,007114932	Hapln2
17306314	3,496864	3,381434	3,575891	3,53534	3,34948	3,60008	3,4847297	3,494966667	0,010237	1,007120982	Olfr1512
17206783	4,110727	4,532351	4,21581	4,613431	4,139145	4,137026	4,286296	4,296534	0,010238	1,00712168	---
17541821	3,524128	3,197651	3,155359	3,323263	3,240331	3,344273	3,2923793	3,302622333	0,010243	1,007125171	Gm773
17468364	6,316169	6,094006	6,363323	6,182839	6,482263	6,139234	6,2578327	6,268112	0,01027933	1,007150535	Rab11fip5
17252635	6,833933	6,804573	6,884318	6,846155	6,824097	6,883458	6,8409413	6,851236667	0,01029533	1,007161704	Shpk
17227105	5,59568	5,398523	5,627293	5,474543	5,66968	5,508163	5,5404987	5,550795333	0,01029667	1,007162635	Ppfia4
17454568	7,140517	7,028944	7,183466	7,150858	7,135073	7,097897	7,1176423	7,127942667	0,01030033	1,007165195	Grifin
17328978	7,950143	7,96455	7,952724	7,893725	7,962512	8,042089	7,9558057	7,966108667	0,010303	1,007167057	Cdc45
17260697	5,293426	5,004527	4,900694	5,269056	5,153335	4,807178	5,0662157	5,076523	0,01030733	1,007170082	---
17365658	10,09211	10,18968	10,15237	10,17186	10,1671	10,12613	10,14472	10,15503	0,01031	1,007171944	Xpnpep1
17341037	3,209761	3,257365	3,161757	3,173972	3,242957	3,242957	3,2096277	3,219962	0,01033433	1,007188931	---
17549544	6,923715	6,942781	6,936211	6,79545	7,063819	6,974519	6,9342357	6,944596	0,01036033	1,007207083	---
17549698	6,923715	6,942781	6,936211	6,79545	7,063819	6,974519	6,9342357	6,944596	0,01036033	1,007207083	---
17459335	3,740439	3,660434	3,631689	3,739814	3,639999	3,683834	3,6775207	3,687882333	0,01036167	1,007208014	---
17332628	8,002905	8,037812	7,947281	7,812151	8,160309	8,046631	7,9959993	8,006363667	0,01036433	1,007209875	C2cd2
17461954	6,275136	6,566885	6,409533	6,448947	6,535594	6,298122	6,4171847	6,427554333	0,01036967	1,007213599	Tsen2
17316189	7,320342	7,518933	7,52891	7,475693	7,430245	7,493377	7,4560617	7,466438333	0,01037667	1,007218486	Fam105b
17440575	8,314748	8,471821	8,303548	8,28332	8,286155	8,551773	8,3633723	8,373749333	0,010377	1,007218719	Chek2
17258107	6,339805	6,282384	6,515967	6,366097	6,381694	6,421547	6,3793853	6,389779333	0,010394	1,007230587	Cd300a
17274195	7,18757	7,133524	7,33386	7,204937	7,314377	7,166829	7,218318	7,228714333	0,01039633	1,007232216	Ntsr2
17221497	8,944613	9,017089	8,541825	8,438132	9,07743	9,019187	8,834509	8,844916333	0,01040733	1,007239896	Tceb1
17344927	3,877675	4,103083	3,990339	4,06549	4,027303	3,909616	3,9903657	4,000803	0,01043733	1,007260841	Gm20408
17356692	6,259155	6,115408	6,692359	6,350611	6,386966	6,360697	6,3556407	6,366091333	0,01045067	1,00727015	Ppp2r5b // Ppp2r5b
17392906	7,703065	7,989601	7,879869	7,833215	7,907686	7,862995	7,8575117	7,867965333	0,01045367	1,007272245	Rbck1
17494271	5,5413	5,747701	5,687323	5,636974	5,766077	5,604656	5,6587747	5,669235667	0,010461	1,007277365	---
17326166	11,25375	11,19381	11,11621	11,11451	11,19883	11,28186	11,187923	11,1984	0,01047667	1,007288303	Cd47
17344805	4,680171	4,483132	4,809877	4,640289	4,680327	4,683995	4,6577267	4,668203667	0,010477	1,007288536	2410137M14Rik
17319484	3,97452	3,949433	4,214881	4,122904	4,065603	3,981783	4,046278	4,056763333	0,01048533	1,007294354	Dnajb7
17398571	7,281412	7,271168	7,090108	7,264381	7,280254	7,129532	7,2142293	7,224722333	0,010493	1,007299707	Tmem154
17215853	7,383833	7,191096	7,315071	7,354576	7,474678	7,092233	7,2966667	7,307162333	0,01049567	1,007301569	Capn10
17325044	4,725379	4,7616	4,480849	4,57793	4,704509	4,716887	4,6559427	4,666442	0,01049933	1,007304129	Slc12a8
17425701	3,288636	3,725845	3,700731	3,422623	3,655303	3,668796	3,5717373	3,582240667	0,01050333	1,007306922	Mir3095
17463626	3,038162	3,087145	3,262933	3,169034	3,123878	3,126875	3,1294133	3,139929	0,01051567	1,007315533	Tas2r120
17494443	5,435883	5,25752	5,141506	5,321246	5,224026	5,321187	5,278303	5,288819667	0,01051667	1,007316232	Olfr666
17514610	4,03576	3,78555	4,000239	4,084888	3,848425	3,919815	3,9405163	3,951042667	0,01052633	1,007322981	Yap1
17374814	8,15463	8,421658	8,362841	8,369737	8,407503	8,193475	8,313043	8,323571667	0,01052867	1,00732461	1500003O03Rik
17498821	7,523619	7,471485	7,223733	7,497144	7,510661	7,242643	7,406279	7,416816	0,010537	1,007330429	Snapc2
17329809	7,748878	7,876651	7,825499	7,93625	7,935044	7,611484	7,8170093	7,827592667	0,01058333	1,007362781	Pigx
17505641	4,070235	4,070894	4,306647	4,123767	4,073647	4,282125	4,1492587	4,159846333	0,01058767	1,007365806	---
17423750	3,643396	3,706516	3,887094	3,661599	3,851951	3,755229	3,7456687	3,756259667	0,010591	1,007368134	Gja10
17265175	8,133097	8,123483	8,100548	8,145678	8,123101	8,120127	8,1190427	8,129635333	0,01059267	1,007369298	0610010K14Rik
17442759	4,243632	4,137526	4,018334	4,174919	4,009953	4,246399	4,133164	4,143757	0,010593	1,00736953	4930572K03Rik
17540682	5,276219	4,276311	3,792958	4,933153	4,029112	4,415027	4,448496	4,459097333	0,01060133	1,007375349	Gm5168
17212516	4,45987	4,303322	4,313733	4,424288	4,06434	4,620116	4,358975	4,369581333	0,01060633	1,007378841	---
17471270	5,484397	5,473752	5,591427	5,575091	5,53947	5,466844	5,5165253	5,527135	0,01060967	1,007381168	9330102E08Rik
17548034	4,550367	4,597743	4,570511	4,520625	4,499133	4,730713	4,5728737	4,583490333	0,01061667	1,007386056	4930564C03Rik
17397632	8,304309	8,302986	8,217673	8,198331	8,388354	8,270134	8,2749893	8,285606333	0,010617	1,00738628	Alg5
17455231	4,323676	4,162677	4,13206	3,995593	4,378448	4,276264	4,2061377	4,216768333	0,01063067	1,007395832	B230303O12Rik
17221231	9,796346	9,767393	9,901905	10,01126	9,879872	9,606445	9,8218813	9,832525667	0,01064433	1,00740537	---
17380911	5,408403	5,683383	5,598578	5,803884	5,437522	5,480896	5,5634547	5,574100667	0,010646	1,007406539	9230112E08Rik
17200633	6,455558	7,059217	6,375665	6,622247	7,216991	6,083171	6,6301467	6,640803	0,01065633	1,00741374	---
17420911	7,104068	7,196704	7,199254	7,176304	7,218003	7,1377	7,1666753	7,177335667	0,01066033	1,007416547	Atp13a2
17301519	5,639712	5,411356	5,589147	5,543199	5,558782	5,570247	5,5467383	5,557409333	0,010671	1,007423996	Gm5464
17431049	7,771482	7,489764	7,872882	7,608121	7,906358	7,651662	7,711376	7,722047	0,010671	1,007423996	Sfn
17230467	3,221197	3,203629	3,270255	3,215098	3,362858	3,149138	3,2316937	3,242364667	0,010671	1,007423996	---
17284387	7,317827	7,150371	7,225953	7,096538	7,159725	7,469918	7,2313837	7,242060333	0,01067667	1,00742753	---
17326438	9,156377	8,896554	8,960539	9,070683	8,989609	8,985255	9,00449	9,015182333	0,01069233	1,007438893	Cldn25
17235746	6,628312	6,615082	6,637066	6,680974	6,647192	6,584404	6,62682	6,637523333	0,01070333	1,00744657	---
17208643	7,142193	6,723477	6,478311	7,080478	6,601412	6,694236	6,781327	6,792042	0,010715	1,00745472	---
17242729	7,033929	6,996577	6,935111	6,910755	7,043208	7,043818	6,988539	6,999260333	0,01072133	1,007459144	Med16
17354857	7,392305	7,491569	7,34583	7,213062	7,680442	7,368401	7,4099013	7,420635	0,01073367	1,007467756	Adrb2
17206595	6,942116	6,333958	7,001921	7,174283	6,455853	6,68008	6,7593317	6,770072	0,01074033	1,00747241	---
17220595	5,649599	5,334235	5,346311	5,253769	5,642977	5,465632	5,4433817	5,454126	0,01074433	1,007475205	---
17254646	6,463733	6,585278	6,270351	6,577758	6,366825	6,407033	6,4397873	6,450538667	0,01075133	1,007480094	Tubd1
17206977	4,719872	5,556003	4,374575	4,900468	5,485988	4,296287	4,8834833	4,894247667	0,01076433	1,00748917	---
17306312	2,919814	2,893181	2,961143	2,868846	2,974662	2,962949	2,9247127	2,935485667	0,010773	1,007495224	Olfr1513
17362207	7,74761	7,88966	7,854735	7,767483	7,815981	7,940897	7,8306683	7,841453667	0,01078533	1,007503837	Dnajc4
17203347	4,999848	4,851918	5,006202	4,794683	5,016243	5,07941	4,952656	4,963445333	0,01078933	1,007506631	---
17490328	6,132462	6,140425	6,430068	6,178486	6,319401	6,237553	6,2343183	6,245146667	0,01082833	1,007533867	Myh14
17530406	6,348894	6,570796	6,562471	6,400684	6,553522	6,560512	6,4940537	6,504906	0,01085233	1,007550628	Acpp
17258899	5,435662	5,486988	5,79243	5,616543	5,739751	5,391351	5,5716933	5,582548333	0,010855	1,00755249	---

17515340	5,234447	5,601012	5,41852	5,420336	5,4766	5,389639	5,417993	5,428858333	0,01086533	1,007559707	Rab3d	// Rab3d
17519282	8,561116	8,621173	8,597796	8,606792	8,672214	8,533714	8,5933617	8,60424	0,01087833	1,007568786	Rab27a	
17479205	8,780946	8,935724	8,87038	8,859617	8,883219	8,876867	8,86235	8,873234333	0,01088433	1,007572976	Akap13	
17447099	10,05271	10,26629	10,22151	10,18484	10,13042	10,25791	10,18017	10,19105667	0,01088667	1,007574606	---	
17447506	7,036553	7,097313	7,025342	6,952267	7,230544	7,009123	7,0530693	7,063978	0,01090867	1,00758997	Cno	
17275724	10,62089	10,69422	10,60069	10,62969	10,65787	10,66098	10,6386	10,64951333	0,01091333	1,00759323	Ctage5	
17549354	4,095343	3,821125	3,755038	3,860421	3,89955	3,944296	3,890502	3,901422333	0,01092033	1,007598119	---	
17549736	4,095343	3,821125	3,755038	3,860421	3,89955	3,944296	3,890502	3,901422333	0,01092033	1,007598119	---	
17339349	4,901734	4,628599	4,938986	4,859064	4,874519	4,768503	4,8231063	4,834028667	0,01092233	1,007599515	C030034I22Rik	
17332203	6,935478	6,912571	7,095901	7,017117	7,094945	6,864656	6,9813167	6,992239333	0,01092267	1,007599748	Atp5o	
17548464	4,943151	4,559837	4,592455	4,654828	4,634333	4,839079	4,698481	4,709413333	0,01093233	1,0076065	Ereg	// Ereg
17523883	8,023109	7,871952	7,91115	7,949914	8,042691	7,846429	7,9354037	7,946344667	0,010941	1,007612553	Yap1	
17204665	4,943341	3,914956	4,17119	4,461613	4,623728	3,976973	4,3431623	4,354104667	0,01094233	1,007613484	---	
17400807	9,218256	9,332085	9,01302	9,064352	9,31633	9,215509	9,187787	9,198730333	0,01094333	1,007614182	---	
17454877	8,378314	8,446772	8,218456	8,38364	8,25793	8,434809	8,3478473	8,358793	0,01094567	1,007615812	Usp42	
17535123	6,127213	6,177573	6,662493	6,213991	6,475256	6,310878	6,3224263	6,333375	0,01094867	1,007617907	---	
17397552	4,354745	4,185695	4,504012	4,235792	4,346622	4,494956	4,3481507	4,359123333	0,01097267	1,00763467	C820005J03Rik	
17280774	4,128059	4,091952	4,13132	4,426827	3,997457	3,959992	4,1171103	4,128092	0,01098167	1,007640956	1700108M19Rik	
17394036	8,091226	7,939624	7,992946	8,021222	8,010376	8,025164	8,007932	8,018920667	0,01098867	1,007645845	Fitm2	
17301003	4,566695	4,555687	4,463763	4,62179	4,528962	4,46838	4,528715	4,539710667	0,01099567	1,007650734	4930563I02Rik	
17449108	4,070179	3,797249	4,273563	4,030197	4,361688	3,782125	4,046997	4,058003333	0,01100633	1,007658184	Tecrl	
17457573	3,930682	4,038978	3,921316	3,979047	3,964899	3,980083	3,9636587	3,974676333	0,01101767	1,0076661	Wee2	
17256414	6,819974	6,741029	6,621443	6,692481	6,806594	6,71646	6,727482	6,738511667	0,01102967	1,007674481	Dnajc7	
17410672	4,245246	4,389197	4,485095	4,27259	4,798213	4,081841	4,3731793	4,384214667	0,01103533	1,007678439	0610031O16Rik	
17354175	3,545172	3,473742	3,320777	3,330614	3,56269	3,479503	3,4465637	3,457602333	0,01103867	1,007680768	Spinkl	
17535012	5,690042	5,320143	5,682247	5,740978	5,481723	5,502885	5,564144	5,575195333	0,01105133	1,007689615	Brs3	
17264290	4,469613	4,273182	4,482539	4,374356	4,315519	4,568718	4,4084447	4,419531	0,01108633	1,007714062	Gm12298	
17388001	3,263903	2,981709	2,980617	3,133131	3,026357	3,100011	3,0754097	3,086499667	0,01109	1,007716623	Olfr1256	
17335893	6,27833	5,969398	6,085667	6,304749	5,977886	6,084052	6,1111317	6,122229	0,01109733	1,007721745	Cryaa	
17476216	4,583208	4,498019	4,552166	4,540167	4,750512	4,376046	4,5444643	4,555575	0,01111067	1,007731059	---	
17207863	2,876336	2,920936	3,104664	3,369542	2,886371	2,679365	2,967312	2,978426	0,011114	1,007733387	---	
17297595	7,418493	7,404079	7,214722	7,436033	7,237947	7,396666	7,3457647	7,356882	0,01111733	1,007735715	Myst4	
17261458	5,504726	5,528598	5,470222	5,665281	5,257973	5,613667	5,501182	5,512307	0,011125	1,007741071	Il9r	
17539826	4,62663	4,075618	4,203865	4,399797	4,420401	4,119346	4,3020377	4,313181333	0,01114367	1,00775411	Mir532	
17255215	7,804801	7,953807	7,701514	7,866779	7,760589	7,866202	7,8200407	7,83119	0,01114933	1,007758068	Ankrd40	
17519906	4,495354	4,502621	4,679755	4,535491	4,668973	4,506716	4,5592433	4,570393333	0,01115	1,007758534	Gm2109	
17261205	3,629144	3,53234	3,533667	3,516498	3,792276	3,419924	3,5650503	3,576232667	0,01118233	1,00778112	---	
17548601	3,692765	3,588795	3,695271	3,779936	3,659111	3,571381	3,6589437	3,670142667	0,011199	1,007792762	Prr19	// Prr19
17205079	4,526329	3,615063	4,319891	4,53755	3,42077	4,536624	4,153761	4,164981333	0,01122033	1,007807664	---	
17209269	4,526329	3,615063	4,319891	4,53755	3,42077	4,536624	4,153761	4,164981333	0,01122033	1,007807664	---	
17452605	5,864652	5,973174	5,814383	5,996271	5,880318	5,809309	5,8840697	5,895299333	0,01122967	1,007814184	---	
17533774	2,857587	2,906332	2,959616	3,066689	2,943636	2,746927	2,907845	2,919084	0,011239	1,007820704	---	
17362447	5,339244	5,182184	5,288176	5,144859	5,345559	5,352929	5,269868	5,281115667	0,01124767	1,007826759	9830166K06Rik	
17469249	3,983457	4,241201	4,143981	4,113287	4,390824	3,898278	4,1228797	4,134129667	0,01125	1,007828389	AY512915	
17279849	4,552094	4,820057	4,555597	4,767181	4,679883	4,51446	4,6425827	4,653841333	0,01125867	1,007834443	A830093I24Rik	
17413845	3,233192	3,081204	3,309126	2,990337	3,293067	3,373923	3,2078407	3,219109	0,01126833	1,007841196	---	
17502196	7,119004	7,396841	7,339413	7,293523	7,184212	7,411341	7,285086	7,296358667	0,01127267	1,007844223	Dda1	
17518818	8,618652	8,68848	8,704537	8,625372	8,769848	8,650269	8,6705563	8,681829667	0,01127333	1,007844689	Vps13c	
17257738	5,480075	5,636605	5,427256	5,467016	5,221002	5,889765	5,5146453	5,525927667	0,01128233	1,007850976	---	
17417826	4,707928	4,581697	4,988259	4,566845	4,921836	4,823065	4,7592947	4,770582	0,01128733	1,007854469	Lao1	
17217946	11,34104	11,32226	11,34639	11,34278	11,38012	11,32067	11,336563	11,34785667	0,01129333	1,007858661	F13b	
17331463	2,911126	3,029449	2,756684	2,832228	2,956624	2,942354	2,8990863	2,910402	0,01131567	1,007874263	---	
17469607	4,449759	4,466905	4,403507	4,759024	4,385282	4,20982	4,440057	4,451375333	0,01131833	1,007876126	5031434C07Rik	
17317141	4,353987	4,383063	4,234639	4,326452	4,320176	4,359019	4,3238963	4,335215667	0,01131933	1,007876824	1700040F17Rik	
17342653	4,397973	4,506701	4,544368	4,482209	4,44141	4,559409	4,483014	4,494342667	0,01132867	1,007883345	---	
17308457	10,49987	10,61626	10,69423	10,09674	10,82901	10,91863	10,603453	10,61479333	0,01134	1,007891262	---	
17323409	5,455695	5,70899	5,799736	5,694438	5,679382	5,624644	5,654807	5,666154667	0,01134767	1,007896618	Ydjc	
17473113	5,115538	4,964692	5,097958	5,164646	5,090092	4,957555	5,059396	5,070764333	0,01136833	1,007911057	Mir292	
17245361	5,977295	5,705824	6,229002	6,026287	5,9635	5,956439	5,970707	5,982075333	0,01136833	1,007911057	---	
17258994	8,15661	7,976961	8,100878	8,032463	8,173456	8,062667	8,0781497	8,089528667	0,011379	1,007918509	Gaa	
17210571	5,312598	4,791917	4,832295	4,307758	5,720529	4,942788	4,9789367	4,990358333	0,01142167	1,007948318	---	
17225705	6,462129	6,692286	6,479861	6,761841	6,345984	6,560721	6,5447587	6,556182	0,01142333	1,007949482	Pask	
17261531	5,148026	5,050067	5,211699	4,943341	5,352583	5,148168	5,1365973	5,148030667	0,01143333	1,007956469	1700008A04Rik	
17425466	7,364574	7,156647	7,338017	7,325242	7,2324	7,335945	7,2864127	7,297862333	0,01144967	1,00796788	Ctnnal1	
17493135	3,42209	3,715843	3,507198	3,599738	3,673041	3,406734	3,548377	3,559837667	0,01146067	1,007975566	Olfr304	
17415702	5,513817	5,184146	5,192695	5,307335	5,098235	5,519478	5,296886	5,308349333	0,01146333	1,007977429	L1td1	
17348895	3,309817	3,246488	3,747255	3,150808	3,774123	3,413029	3,43452	3,445986667	0,01146667	1,007979758	---	
17550084	3,309817	3,246488	3,747255	3,150808	3,774123	3,413029	3,43452	3,445986667	0,01146667	1,007979758	---	
17394175	10,91673	11,0533	10,85908	10,99765	11,12032	10,74555	10,943037	10,95450667	0,01147	1,007982086	Sdc4	
17426230	5,465879	5,307169	5,445576	5,610722	5,307546	5,334816	5,406208	5,417694667	0,01148667	1,007993731	---	
17353079	4,435059	4,154771	4,472646	4,338055	4,561663	4,197233	4,3541587	4,365650333	0,01149167	1,007997225	Nol4	
17326032	3,902588	4,134232	4,353797	3,953009	4,337351	4,134771	4,1302057	4,141710333	0,01150467	1,008006308	Morc1	
17469471	3,655518	3,822798	3,817409	3,836406	3,783546	3,710294	3,7652417	3,776748667	0,011507	1,008007938	---	
17487408	7,878712	7,817389	7,69364	7,726435	7,821502	7,87633	7,7965803	7,808089	0,01150867	1,008009102	Pvrl2	
17373501	6,035225	5,983751	6,288	6,172675	6,117764	6,051072	6,1023253	6,113837	0,01151167	1,008011199	1700029I15Rik	
17527911	5,488917	5,000652	5,240245	5,644966	5,023767	5,095619	5,2432713	5,254784	0,01151267	1,008011897	---	
17228667	4,416603	3,987923	4,076155	4,353091	4,171368	3,990763	4,160227	4,171740667	0,01151367	1,008012596	Pappa2	
17210759	3,413514	4,219504	4,537863	3,345986	4,506756	4,352714	4,0569603	4,068485333	0,011525	1,008020515	---	
17483546	9,086542	9,175734	9,120583	9,122082	9,189352	9,10601	9,1276197	9,139148	0,01152833	1,008022844	Fus	
17458472	5,936403	5,579303	5,466046	5,551616	5,917587	5,547186	5,660584	5,672129667	0,01154567	1,008034955	D330028D13Rik	
17466938	4,470371	4,518416	4,800871	4,578398	4,677681	4,568299	4,5965527	4,608126	0,01157333	1,008054286	Cpvl	
17549430	3,41628	3,437017	3,485638	3,480995	3,433415	3,459298	3,4463117	3,457902667	0,011591	1,00806663	---	
17549816	3,41628	3,437017	3,485638	3,480995	3,433415	3,459298	3,4463117	3,457902667	0,011591	1,00806663	---	
17532438	4,461626	4,354112	4,481892	4,610598	4,455089	4,26674	4,4325433	4,444142333	0,011599	1,00807222	A730085K08Rik	
17201179	2,889386	2,728997	3,103174	2,916988	2,858307	2,981064	2,9071857	2,918786333	0,01160067	1,008073385	---	
17421735	5,464348	5,471883	5,742523	5,468153	5,60774	5,637675	5,5595847	5,571189333	0,01160467	1,00807618	Casz1	
17293250	4,613643	4,847521	5,005768	4,86678	4,914223	4,720848	4,8223107	4,833950333	0,01163967	1,008100636	4921517D22Rik	
17324661	9,224715	9,376876	9,125528	9,237831	9,319018	9,205189	9,242373	9,254012667	0,01163967	1,008100636	Dlg1	
17354759	4,769221	4,591514	4,597047	4,513114	4,724432	4,755188	4,652594	4,664244667	0,01165067	1,008108323	A530050N04Rik	
17236172	3,804665	3,733403	3,751054	3,6474	3,81762	3,859077	3,7630407	3,774699	0,01165833	1,00811368	4930486F22Rik	
17207585	7,552656	6,987139	7,179581	7,662984	6,920024	7,171349	7,239792	7,251452333	0,01166033	1,008115077	---	
17515145	7,861331	7,936908	7,805907	7,947297	7,838496	7,853419	7,8680487	7,879737333	0,01168867	1,008134876	Slc44a2	
17312615	6,459812	6,567088	6,587626	6,462678	6,681308	6,50561	6,5381753	6,549865333	0,01169	1,008135808	Commd5	
17290211	3,449833	3,553233	3,766458	3,240681	3,799953	3,763966	3,5898413	3,601533333	0,011692	1,008137205	Tcstv3	
17292050	4,927036	4,7983	4,748343	4,690705	4,966391	4,851725	4,8245597	4,836273667	0,011714	1,008152579	Gcm2	
17525698	3,753941	3,143362	3,607036	3,436136	3,342089	3,761267	3,5014463	3,513164	0,01171767	1,008155141	Olfr918	
17406205	8,354164	8,632374	8,186777	8,491514	8,390072	8,326938	8,391105	8,402841333	0,01173633	1,008168185	Gucy1b3	
17226499	7,233293	7,10856	7,077107	7,411109	6,919133	7,123966	7,1396533	7,151402667	0,01174933	1,00817727	Zranb3	
17445329	5,91417	5,913828	5,610972	5,864249	5,689498	5,920476	5,81299	5,824741	0,011751	1,008178435	Cdk14	
17217967	3,582101	3,888399	3,538179	3,389503	4,01216	3,642274	3,6695597	3,681312333	0,01175267	1,008179599	---	
17440024	3,668557	3,765067	4,1217	3,812813	4,059919	3,717922	3,8517747	3,863551333	0,01177667	1,008196371	Ephx4	
17381530	3,651331	3,912254	3,716149	3,793993	3,700948	3,820133	3,7599113	3,771691333	0,01178	1,008198701	---	
17387528	6,163779	6,102089	6,071561	6,012333	6,459305	5,901161	6,1124763	6,124266333	0,01179	1,008205689	Smtnl1	
17362869	9,265868	9,621249	8,226965	8,819057	9,167537	9,162867	9,0380273	9,049820333	0,011793	1,008207785	AW112010	
17300213	3,152029	2,833841	2,926778	2,958374	3,096139	2,893521	2,9708827	2,982678	0,01179533	1,008209416	---	
17549144	4,099148	4,065237	4,265269	4,256979	4,239398	3,968685	4,143218	4,155020667	0,01180267	1,008214541	---	
17412213	6,714962	7,023181	6,733825	6,854746	7,053495	6,599142	6,8239893	6,835794333	0,011805	1,008216171	Fbxl4	
17521441	7,198414	7,144007	7,055121	7,124097	7,029904	7,278959	7,132514	7,14432	0,011806	1,00821687	Nat6	
17307431	5,509118	5,338259	5,5995	5,671143	5,334895	5,476258	5,4822923	5,494098667	0,01180633	1,008217103	C1qtnf9	// C1qtnf9
17495106	6,937356	7,110167	7,07618	6,981831	7,125554	7,051753	7,0412343	7,053046	0,01181167	1,00822083	Mrvi1	
17416993	3,46789	3,531865	3,50239	3,518347	3,585387	3,433856	3,500715	3,51253	0,011815	1,00822316	Skint8	
17539772	4,749777	4,256575	4,533359	4,476215	4,625205	4,473751	4,513237	4,525057	0,01182	1,008226654	Bmp15	
17450283	5,446177	5,216746	5,248302	5,330106	5,383501	5,23308	5,3037417	5,315562333	0,01182067	1,00822712	Mapk10	
17357555	10,75337	10,76198	10,93001	10,78008	10,91053	10,79023	10,81512	10,82694667	0,01182667	1,008231313	---	
17392991	7,664379	7,623065	7,692228	7,585699	7,730795	7,698671	7,6598907	7,671721667	0,011831	1,008234342	Bcl2l1	
17286540	6,414479	6,685911	6,660169	6,725162	6,398883	6,672024	6,586853	6,598689667	0,01183667	1,008238302	---	
17284408	8,699513	8,202136	8,099104	8,496405	8,232377	8,307487	8,3335843	8,345423	0,01183867	1,008239699	---	
17531958	10,69494	10,69968	10,66123	10,68835	10,72255	10,68047	10,685283	10,69712333	0,01184	1,008240631	Stt3b	
17510280	7,654743	7,472165	7,859457	7,820409	7,659552	7,541933	7,6621217	7,673964667	0,011843	1,008242728	Nr2f6	
17521252	4,212376	4,202575	4,269046	4,208506	4,225644	4,285413	4,227999	4,239854333	0,01185533	1,008251347	Iqcf1	
17279054	8,827979	8,825223	8,860821	8,842711	8,838602	8,868299	8,8380077	8,849870667	0,011863	1,008256705	Rcor1	
17302869	8,850121	8,702849	8,546121	8,632648	8,654134	8,847939	8,699697	8,711573667	0,01187667	1,008266256	Clybl	
17299808	3,395343	3,454388	3,07899	3,343496	3,278834	3,342075	3,3095737	3,321468333	0,01189467	1,008278836	---	
17521858	7,506423	7,660822	7,52639	7,668971	7,33591	7,724525	7,564545	7,576468667	0,01192367	1,008299104	Dalrd3	
17418592	7,713029	7,974114	7,863352	7,849539	7,908728	7,828016	7,850165	7,862094333	0,01192933	1,008303065	Clspn	
17248494	5,318869	5,474892	5,330408	5,056284	5,648556	5,455154	5,374723	5,386664667	0,01194167	1,008311684	---	
17219897	7,570965	7,632257	7,338284	7,590133	7,571477	7,415766	7,5138353	7,525792	0,01195667	1,008322168	Zfp238	
17342101	9,588475	9,801657	9,528363	9,541604	9,755291	9,657473	9,6394983	9,651456	0,01195767	1,008322867	Hn1l	
17545979	8,037806	8,029819	7,953755	7,937421	8,128078	7,991762	8,0071267	8,019087	0,01196033	1,008324731	Mospd2	
17341671	6,800982	6,808816	6,758162	6,7218	6,829366	6,852706	6,78932	6,801290667	0,01197067	1,008331953	Prss22	
17329215	7,42879	7,278577	7,365307	7,444719	7,300963	7,362928	7,357558	7,369536667	0,01197867	1,008337544	2510009E07Rik	
17422015	8,529137	8,712073	8,759328	8,609619	8,691095	8,735762	8,666846	8,678825333	0,01197933	1,00833801	Dnajc11	
17227813	3,890593	4,098986	3,943917	3,965271	4,051997	3,952175	3,977832	3,989814333	0,01198233	1,008340107	---	
17230525	10,40642	10,41117	10,35548	10,33535	10,45303	10,42068	10,391023	10,40302	0,01199667	1,008350125	Wdr26	

17319106	6,326159	6,500308	6,20677	6,503213	6,356009	6,210028	6,3444123	6,356416667	0,01200433	1,008355484	Gm17753
17414277	6,052758	6,109464	6,21638	6,240918	5,987074	6,186653	6,1262007	6,138215	0,01201433	1,008362473	Zfp462
17355665	3,934167	3,960881	3,884882	3,939392	3,921685	3,954963	3,9266433	3,93868	0,01203667	1,008378083	Gm2176
17420428	6,375515	6,127307	6,707312	6,106084	6,381422	6,758813	6,403378	6,415439667	0,01206167	1,008395557	---
17535448	4,906694	5,181635	4,962923	5,101727	4,86679	5,118947	5,017084	5,029154667	0,01207067	1,008401848	Zfp185
17484309	4,746851	4,802839	4,666956	4,807475	4,729665	4,715747	4,738882	4,750962333	0,01208033	1,008408604	Jakmip3
17293328	4,671606	4,618518	4,68171	4,785959	4,694686	4,527456	4,657278	4,669367	0,012089	1,008414662	Ctsll3
17435855	6,318823	6,433068	6,747342	6,559261	6,53826	6,438016	6,4997443	6,511845667	0,01210133	1,008423283	Mapre3
17433672	5,685647	5,529368	5,688643	5,907268	5,499151	5,533586	5,6345527	5,646668333	0,01211567	1,008433302	2810405K02Rik
17361362	5,581115	5,557639	5,892341	5,423321	6,043564	5,600563	5,6770317	5,689149333	0,01211767	1,0084347	Actn3
17550518	4,922925	4,844318	5,123719	4,986837	5,029891	4,910609	4,963654	4,975779	0,012125	1,008439826	---
17451769	9,585944	9,648124	9,621946	9,528106	9,711885	9,652414	9,6186713	9,630801667	0,01213033	1,008443554	Prkab1
17205321	3,223345	3,10904	3,609703	3,404119	3,166255	3,408144	3,3140293	3,326172667	0,01214133	1,008452641	---
17234910	7,605773	8,031743	7,688949	7,682149	7,738814	7,941986	7,7754883	7,787649667	0,01216133	1,008465223	Cdc34
17452248	5,572605	5,298913	5,588305	5,58537	5,527865	5,383099	5,4866077	5,498778	0,01217033	1,008471514	Acad12
17522634	5,241523	5,066157	5,372766	5,187822	5,325435	5,203708	5,2268153	5,238988333	0,012173	1,008473378	2310075C17Rik
17352909	3,264885	3,401932	3,339165	3,478749	3,34659	3,217277	3,3353273	3,347538667	0,01221133	1,008500174	4930545E07Rik
17318312	7,293906	7,720917	7,662445	8,053102	7,435087	7,22573	7,5590893	7,571306333	0,012217	1,008504136	Nrbp2
17486449	6,466744	6,340732	6,313401	6,381237	6,477743	6,298574	6,3736257	6,385851333	0,01222567	1,008510194	Zik1
17527460	6,666625	6,710119	6,446747	6,640618	6,600123	6,619433	6,6078303	6,620058	0,01222767	1,008511592	Snx33
17527963	5,139076	4,774668	5,020081	4,919821	5,081471	4,969231	4,9779417	4,990174333	0,01223267	1,008515087	Paqr5
17486039	3,530852	3,461818	3,261813	3,340984	3,593614	3,356583	3,418161	3,430393667	0,01223267	1,008515087	Vmn1r58 // Vmn1r58
17279317	5,907615	5,58349	5,963917	5,852774	5,93365	5,705315	5,8183407	5,830579667	0,012239	1,008519515	A530016L24Rik
17520592	6,487437	6,408823	6,430382	6,249874	6,574848	6,538648	6,442214	6,454456667	0,01224267	1,008522078	---
17257492	9,087658	8,944399	8,872037	8,897951	9,075418	8,967465	8,9680313	8,980278	0,01224667	1,008524874	Dcaf7
17432202	7,574331	7,552181	7,629542	7,463316	7,62429	7,705206	7,5853513	7,597604	0,01225267	1,008529068	Spen
17322418	4,148357	3,994068	3,713053	4,002802	3,879891	4,009607	3,951826	3,9641	0,012274	1,008543982	BC048502
17475217	7,75392	8,604325	8,785796	8,151549	8,443725	8,58567	8,381347	8,393648	0,012301	1,008562857	---
17512171	9,567427	9,914976	10,02241	9,905962	9,874719	9,761046	9,8349377	9,847242333	0,01230467	1,00856542	Rplp0 // Rplp0
17407485	5,060861	4,005549	4,419575	4,710641	4,2129	4,599364	4,4953283	4,507635	0,01230667	1,008566818	2310050C09Rik
17254473	7,253831	7,196446	7,315164	7,256467	7,305957	7,239966	7,255147	7,267463333	0,01231633	1,008573576	Myo19
17510295	6,094307	6,260636	6,374249	6,281002	6,34876	6,136396	6,243064	6,255386	0,012322	1,008577538	Ushbp1
17285940	4,438978	4,481203	4,288835	4,324251	4,579319	4,342416	4,4030053	4,415328667	0,01232333	1,00857847	---
17218412	4,747481	4,868684	4,844937	4,708003	4,965023	4,825049	4,8203673	4,832691667	0,01232433	1,008579169	Nphs2
17284643	4,172577	4,353423	4,382651	4,121906	4,270964	4,552772	4,3028837	4,315214	0,01233033	1,008583363	---
17447717	4,0253	3,496792	3,625555	3,672586	3,832509	3,679619	3,7158823	3,728238	0,01235567	1,008601074	4930513D17Rik
17347114	4,67409	4,655825	4,676525	4,75127	4,504674	4,787638	4,6688133	4,681194	0,01238067	1,008618552	Capn13
17277396	6,450677	6,424395	6,436334	6,430727	6,440432	6,477407	6,4371353	6,449522	0,01238667	1,008622747	Jdp2
17337553	3,420822	3,432441	3,658773	3,703959	3,339561	3,505708	3,504012	3,516409333	0,01239733	1,008630204	Olfr98
17514615	3,877032	3,997483	3,900675	4,066513	3,818751	3,927133	3,9250633	3,937465667	0,01240233	1,0086337	1700128F08Rik
17233675	5,30631	5,189142	5,320694	5,246381	5,246084	5,360912	5,2720487	5,284459	0,01241033	1,008639293	Tbata
17448231	3,74837	3,656836	3,740875	3,703071	3,826629	3,653618	3,7153603	3,727772667	0,01241233	1,008640691	1700027F09Rik // 1700027F09Rik
17522808	3,80357	3,515364	3,552545	3,371865	3,702133	3,834726	3,6238263	3,636241333	0,012415	1,008642555	4930428G15Rik // 4930428G15Rik
17305576	2,911494	3,27598	3,000315	3,205737	2,995957	3,023351	3,0625963	3,075015	0,01241867	1,008645119	Gm8267
17542884	4,421656	3,999632	4,179795	4,292383	4,13283	4,213168	4,200361	4,212793667	0,01243267	1,008654907	---
17425291	4,158535	4,013887	4,098544	4,107529	4,104742	4,096014	4,090322	4,102761667	0,01243967	1,008659801	Olfr273
17372470	3,678002	3,533548	3,683576	3,658202	3,832843	3,441474	3,6317087	3,6441 73	0,01246433	1,008677047	Fsip2
17485282	7,843689	7,8701	8,046714	7,818979	8,023005	7,955914	7,9201677	7,932632667	0,012465	1,008677513	Tspan32
17276612	3,933047	3,638195	3,61519	3,631609	3,780021	3,812224	3,7288107	3,741284667	0,012474	1,008683805	---
17402321	7,990309	7,896229	8,02798	7,982723	7,954331	8,014905	7,971506	7,983986333	0,01248033	1,008688233	Pde5a
17298743	4,761355	4,597877	4,589015	4,600777	4,780343	4,60457	4,6494157	4,661896667	0,012481	1,008688699	Rbp3
17540232	5,697203	5,506516	5,705737	5,800342	5,543132	5,603477	5,6364853	5,648983667	0,01249833	1,008700818	---
17359239	4,159884	4,0771	4,160696	4,029298	4,263305	4,142572	4,13256	4,145058333	0,01249833	1,008700818	Cyp2c55
17275974	3,708948	3,499068	3,446679	3,495371	3,600666	3,596208	3,551565	3,564081667	0,01251667	1,008713637	---
17267115	10,06284	9,979832	10,02434	9,956673	10,0752	10,07271	10,022337	10,034861	0,01252367	1,008718531	Usp32
17348467	8,304242	8,359355	8,272933	8,209521	8,390738	8,373844	8,3121767	8,324701	0,01252433	1,008718997	3110002H16Rik
17334648	4,536877	4,558034	4,962301	4,705099	4,877071	4,512619	4,6857373	4,698263	0,01252567	1,00871993	Prss28
17327236	4,776325	4,678655	4,608263	4,731412	4,746771	4,62264	4,6877477	4,700274333	0,01252667	1,008720629	Clic6
17215240	5,528409	5,623126	5,635793	5,546322	5,805723	5,472864	5,595776	5,608303	0,012527	1,008720862	Efhd1
17219639	4,508192	4,952641	4,678262	4,698477	4,786717	4,691483	4,7130317	4,725559	0,01252733	1,008721095	Olfr418-ps1
17348449	9,746057	9,874477	9,760614	9,687086	9,796347	9,935337	9,793716	9,806256667	0,01254067	1,008730417	Riok3
17433755	5,838191	5,886115	5,732924	6,02814	5,662971	5,803786	5,8190767	5,831632333	0,01255567	1,008740906	Prkcz
17495667	8,073366	8,240859	7,992157	7,907752	8,156452	8,279854	8,1021273	8,114686	0,01255867	1,008743003	Thumpd1
17348280	3,539946	4,039124	3,765236	3,723091	3,934514	3,724378	3,7814353	3,793994333	0,012559	1,008743236	---
17545023	4,998995	4,700623	5,054048	4,829775	4,88163	5,07994	4,9178887	4,930448333	0,01255967	1,008743702	Gucy2f
17302074	8,075323	7,781152	7,892902	7,806478	8,032401	7,948194	7,916459	7,929024333	0,01256533	1,008747665	Tsc22d1
17248061	4,579779	4,516059	5,138389	4,765338	4,698591	4,808018	4,7447423	4,757315667	0,01257333	1,008753258	---
17209063	5,763686	5,696116	5,25259	6,046626	5,150269	5,553293	5,5707973	5,583396	0,01259867	1,008770972	---
17388039	3,19075	3,36586	3,022222	3,240086	3,405345	2,97121	3,192944	3,205547	0,012603	1,008774002	Olfr1273-ps
17499251	5,968685	6,237534	5,860825	5,751362	6,194908	6,158674	6,022348	6,034981333	0,01263333	1,008795212	Pcid2
17490090	4,285132	3,962705	3,864474	4,161117	4,276525	3,712596	4,037437	4,050079333	0,01264233	1,008801505	Vmn2r62
17252710	3,60031	3,196794	3,564265	3,360581	3,561201	3,477527	3,4537897	3,466436333	0,01264667	1,008804535	Olfr384
17313461	4,729455	4,388035	4,601042	4,699142	4,355927	4,701412	4,572844	4,585493667	0,01264967	1,008806633	Mei1
17232649	7,286805	7,334636	7,243318	7,37748	7,286922	7,23833	7,288253	7,300910667	0,01265767	1,008812227	Fyn
17403509	4,498345	4,614615	4,48091	4,620854	4,598833	4,41216	4,53129	4,543949	0,012659	1,008813159	Lpar3
17439315	4,062894	3,581197	4,047779	4,228082	3,837905	3,663925	3,89729	3,909970667	0,01268067	1,00882831	Gm7963
17256069	4,022173	4,266623	4,067734	4,035117	4,471798	3,887672	4,1188433	4,131529	0,01268567	1,008831806	Gsdma3
17451213	5,083183	5,01692	5,206237	5,289909	4,980987	5,073577	5,1021133	5,114824333	0,012711	1,008849521	Gm6583
17393390	5,542059	5,696937	5,529114	5,464901	5,611718	5,729631	5,58937	5,602083333	0,01271333	1,008851153	Gdf5
17331247	4,975072	4,097078	4,782664	4,902394	4,527845	4,462757	4,6182713	4,630998667	0,01272733	1,008860943	Olfr191
17472628	3,093525	2,938509	2,903507	3,043391	2,988085	2,942276	2,9785137	2,991250667	0,012737	1,008867703	---
17213515	6,411032	6,549171	6,43397	6,448214	6,45097	6,533204	6,4647243	6,477462667	0,01273833	1,008868635	Pard3b
17200121	4,227915	4,939315	5,019622	5,104003	4,694077	4,426995	4,7289507	4,741691667	0,012741	1,0088705	---
17492051	8,324644	7,973396	8,143425	8,061835	8,371532	8,046328	8,147155	8,159898333	0,01274333	1,008872132	Arrdc4
17497104	5,32177	5,25265	5,61245	5,432746	5,463383	5,328971	5,3956233	5,408366667	0,01274333	1,008872132	Nkx1-2
17222777	11,22027	11,26872	11,20342	11,10223	11,32087	11,30755	11,230803	11,24355	0,01274667	1,008874463	Slc40a1
17354583	4,799935	4,683183	4,756042	4,871873	4,711906	4,693624	4,7463867	4,759134333	0,01274767	1,008875162	---
17263837	6,413792	6,316349	6,350598	6,431423	6,383363	6,304224	6,3602463	6,373003333	0,012757	1,008881689	Epn2
17477314	6,252168	5,991274	6,060399	6,030967	5,953583	6,357565	6,1012803	6,114038333	0,012758	1,008882388	Klk1b11
17424309	6,16564	6,227561	6,412722	6,412732	6,140568	6,290942	6,268641	6,281414	0,012773	1,008892878	Arid3c
17461486	7,918035	7,451633	7,307439	7,777465	7,309126	7,628917	7,5590357	7,571836	0,01280033	1,008911992	---
17275555	8,657401	8,649275	8,670429	8,699633	8,596122	8,719773	8,659035	8,671842667	0,01280767	1,008917121	Psma6
17465997	6,715145	6,212699	6,21468	6,301461	6,4693	6,410198	6,3808413	6,393653	0,01281167	1,008919918	Zc3hav1l
17456161	6,331161	6,264343	6,515297	6,40094	6,190969	6,557347	6,370267	6,383085333	0,01281833	1,00892458	Cav1
17259523	8,642429	8,941393	8,572759	8,683069	8,864228	8,647749	8,7188603	8,731682	0,01282167	1,008926911	---
17202253	5,894567	6,243956	5,665936	5,819963	6,050009	5,973001	5,9348197	5,947657667	0,012838	1,008938334	---
17548981	10,70265	10,89357	10,7577	10,66006	10,8021	10,93028	10,78464	10,79748	0,01284	1,008939733	Cox7b // Cox7b
17429591	3,728162	3,702386	3,770791	3,397049	4,000248	3,842585	3,7337797	3,746627333	0,01284767	1,008945094	Gm12886
17235647	6,174704	6,314457	6,494277	6,351171	6,335777	6,335064	6,3278127	6,340670667	0,012858	1,008952321	Apba3
17358486	7,733599	7,867368	7,66541	7,735212	7,798876	7,770904	7,755459	7,768330667	0,01287167	1,008961879	Cdc37l1
17437054	7,029465	7,239799	7,290448	7,152838	7,180699	7,264812	7,1865707	7,199449667	0,012879	1,008967007	Stx18
17536993	4,457987	4,124816	4,550519	4,422861	4,430714	4,318407	4,377774	4,390660667	0,01288667	1,008972369	Gm9159
17385405	6,95445	6,801121	6,7265	6,829177	6,851427	6,840152	6,827357	6,840252	0,012895	1,008978197	Cytip
17528642	5,68749	5,347283	5,885596	5,608403	5,455165	5,895517	5,640123	5,653028333	0,01290533	1,008985424	---
17209101	6,85114	6,879833	6,35872	7,007254	6,530213	6,590969	6,6965643	6,709478667	0,01291433	1,008991719	---
17418767	5,37394	5,299697	5,464166	5,305919	5,489747	5,380892	5,3792677	5,392186	0,01291833	1,008994516	Csmd2
17467304	3,206068	3,222022	3,206068	3,244047	3,112943	3,315948	3,211386	3,224312667	0,01292667	1,009000344	Vmn1r38
17262598	6,448029	6,065194	6,27384	6,385964	6,229489	6,210424	6,2623543	6,275292333	0,012938	1,009008271	Olfr1371
17250938	7,048768	6,926934	6,943316	7,017643	6,911904	7,02837	6,973006	6,985972333	0,01296633	1,009028087	Tmem220
17402572	12,785	12,78655	12,81296	12,7871	12,83097	12,80536	12,794837	12,80781	0,01297333	1,009032983	Cfi
17429341	7,471006	7,345311	7,462655	7,321088	7,545707	7,45111	7,4263 24	7,439301667	0,01297767	1,009036014	AU022252
17365014	8,635523	8,56615	8,330681	8,388612	8,478461	8,704227	8,5107847	8,523766667	0,012982	1,009039044	Erlin1
17376666	4,695105	4,376596	4,255085	4,489623	4,459393	4,41673	4,442262	4,455248667	0,01298667	1,009042308	A430048G15Rik
17300279	8,565775	8,886697	8,784828	8,756749	8,74624	8,773288	8,7457667	8,758759	0,01299233	1,009046272	Mmp14
17513796	5,653819	5,672446	5,779717	5,646145	5,838301	5,660526	5,701994	5,714990667	0,01299667	1,009049302	Pabpn1l
17202941	3,931794	4,207993	4,366046	3,995636	3,737001	4,812189	4,168611	4,181608667	0,01299767	1,009050002	---
17538435	4,593636	4,602785	4,41223	4,654204	4,544097	4,449368	4,536217	4,549223	0,013006	1,00905583	Mir1298
17451843	9,795593	9,775169	9,825327	9,747993	9,856396	9,830724	9,7986963	9,811704333	0,013008	1,009057229	Suds3
17482332	6,89364	6,841818	6,83307	6,90074	6,833432	6,873391	6,856176	6,869187667	0,01301167	1,009059794	2610020H08Rik
17425706	5,007225	4,980949	5,006943	5,164558	4,809295	5,0603	4,9983723	5,011384333	0,013012	1,009060027	Olfr267
17499392	8,939896	9,121614	9,037639	8,995864	9,032743	9,109624	9,0330497	9,046077	0,01302733	1,009070752	---
17210071	5,517937	6,68674	5,442827	6,073931	5,962068	5,650617	5,8825013	5,895538667	0,01303733	1,009077746	---
17350163	4,360144	3,860108	3,953185	4,258111	3,887069	4,067469	4,0578123	4,070883	0,01307067	1,009101061	---
17486620	8,519468	8,298277	8,264545	8,475893	8,342171	8,30344	8,3607633	8,373834667	0,01307133	1,009101527	Ube2m
17273819	9,647448	9,55459	9,46212	9,616644	9,466599	9,62014	9,5547193	9,567794333	0,013075	1,009104092	Atad2b
17349884	5,519805	5,298107	4,958645	5,489934	5,322496	5,0035	5,2588523	5,271976667	0,01312433	1,009138599	Pcdhb6
17324322	14,08209	14,11495	14,11993	14,12457	14,12218	14,10961	14,105657	14,11878667	0,01313	1,009142563	Ahsg
17380454	11,31845	11,38876	11,36544	11,45592	11,32417	11,33198	11,35755	11,37069	0,01314	1,009149558	0610010B08Rik // 0610010B08Rik
17240937	11,54091	11,72051	11,84332	11,77269	11,74409	11,62739	11,70158	11,71472333	0,01314333	1,009151889	---
17277130	8,055125	8,069572	8,132965	8,01519	8,097767	8,184157	8,0858873	8,099038	0,01315067	1,009157019	2410016O06Rik
17316443	5,10234	5,103079	5,309899	5,362485	5,000495	5,191796	5,1717727	5,184925333	0,01315267	1,009158418	Rgs22
17493121	3,898782	3,979234	3,767054	3,98367	3,923818	3,777064	3,88169	3,894850667	0,01316067	1,009164014	Olfr309
17331861	3,952744	4,165202	4,054931	4,019778	4,001376	4,191207	4,0576257	4,070787	0,01316133	1,00916448	Krtap14
17509537	6,466848	6,685825	6,554924	6,518205	6,661933	6,566963	6,569199	6,582367	0,013168	1,009169143	Palld

17413978	6,155011	6,205915	6,259128	6,331745	6,312666	6,015157	6,2066847	6,219856	0,01317133	1,009171475	Invs	
17412721	3,082038	3,140885	3,131225	3,131225	3,131225	3,131225	3,1180493	3,131225	0,01317567	1,009174506	---	
17200559	6,061816	5,709736	5,632478	5,687564	5,957202	5,798806	5,8013433	5,814524	0,01318067	1,009178004	---	
17422012	4,823187	4,853187	4,501836	4,620958	4,925103	4,671696	4,72607	4,739252333	0,01318233	1,00917917	4930589P08Rik	
17245339	4,334493	4,449734	4,791496	4,725911	4,252956	4,63644	4,525241	4,538435667	0,01319467	1,009187797	C78653	
17382848	4,486811	4,3557	4,634647	4,36651	4,471196	4,679048	4,492386	4,505584667	0,01319867	1,009190595	---	
17488013	10,34232	10,26192	10,3378	10,28345	10,30532	10,39287	10,314013	10,32721333	0,0132	1,009191528	Hnrnpul1	
17258328	6,389383	6,522021	6,610047	6,545296	6,429115	6,586672	6,5071503	6,520361	0,01321067	1,009198989	Tsen54	
17482733	10,68575	10,72798	10,7813	10,75523	10,86127	10,61817	10,731677	10,74489	0,01321333	1,009200855	---	
17490417	8,478204	8,561595	8,577646	8,596815	8,505938	8,554343	8,5391483	8,552365333	0,013217	1,00920342	Ptov1	
17315735	4,29875	4,530384	4,240356	4,363492	4,43035	4,315321	4,3564967	4,369721	0,01322433	1,00920855	---	
17259430	6,626016	6,4409	6,532205	6,423226	6,547248	6,668321	6,5330403	6,546265	0,01322467	1,009208783	Npb	
17461921	3,366635	3,256936	3,300507	3,433103	3,198309	3,332371	3,308026	3,321261	0,013235	1,009216011	---	
17337869	6,810931	6,513424	6,904429	6,771439	6,80281	6,694285	6,742928	6,756178	0,01325	1,009226504	Runx2 // Runx2	
17260808	5,022808	4,759058	4,653515	4,918877	4,851312	4,704947	4,8117937	4,825045333	0,01325167	1,00922767	8430419K02Rik	
17383549	5,855904	6,076711	5,936196	5,83312	6,016321	6,059136	5,9562703	5,969525667	0,01325533	1,009230235	Zer1	
17281893	3,479081	3,338233	3,557966	3,591294	3,482374	3,341398	3,4584267	3,471688667	0,013262	1,009234899	---	
17550208	8,685707	8,580793	8,876716	8,756856	8,561202	8,86499	8,7144053	8,727682667	0,01327733	1,009245625	---	
17277786	4,48845	4,153792	4,821874	4,452613	4,722145	4,329199	4,4880387	4,501319	0,01328033	1,009247724	---	
17262341	12,33452	12,28076	12,22163	12,25535	12,37516	12,24627	12,27897	12,29226	0,01329	1,009254486	---	
17298528	8,023531	8,140781	7,855002	8,005728	8,007482	8,046087	8,006438	8,019765667	0,01332767	1,009280837	Parg	
17402438	6,750123	6,90812	6,818067	6,640846	6,847008	7,028442	6,8254367	6,838765333	0,01332867	1,009281536	Camk2d	
17496627	7,595981	7,467062	7,445889	7,589379	7,493998	7,465544	7,5029773	7,516307	0,01332967	1,009282236	Sept1	
17548610	5,125791	4,714102	5,0351	4,841942	5,026299	5,046744	4,958331	4,971661667	0,01333067	1,009282936	Gm10624	
17209535	5,21985	6,143874	5,925541	5,479079	5,769972	6,080209	5,7630883	5,77642	0,01333167	1,009283635	---	
17374939	5,827797	5,987213	5,979249	6,161408	5,910644	5,762208	5,9314197	5,944753333	0,01333367	1,009285034	Mapkbp1	
17394024	5,009034	5,270621	4,975821	4,961175	5,19764	5,136675	5,0851587	5,09896667	0,0133338	1,009288066	3230401D17Rik	
17291115	3,160115	2,848387	2,989906	2,92004	3,149182	2,969206	2,9994693	3,012809333	0,01334	1,009289465	Vmn1r222	
17305875	5,598438	5,454401	5,496465	5,631776	5,504808	5,452746	5,5164347	5,529776667	0,013342	1,009290864	1700011H14Rik	
17525075	9,00267	8,951833	8,811126	8,75355	9,061088	8,99102	8,9218763	8,935219333	0,013343	1,009291564	Herpud2	
17240012	7,673591	7,666619	7,570131	7,766681	7,622557	7,561136	7,6367803	7,650124667	0,01334433	1,009292497	Rspo3	
17210573	3,688244	3,757701	4,795862	4,076091	4,113215	4,092562	4,0806023	4,093956	0,01335367	1,009299026	---	
17477299	3,53484	3,572107	3,370623	3,366049	3,64094	3,510644	3,4925233	3,505877667	0,01335433	1,009299493	Klk1b1	
17201175	7,498077	8,038622	7,264766	7,477446	7,769862	7,594239	7,6004883	7,613849	0,01336067	1,009303923	---	
17440618	3,995021	3,90671	3,858486	3,875392	3,900803	4,024114	3,9200723	3,933436333	0,013364	1,009306255	Mir701	
17260744	5,333214	5,732543	5,752494	5,590467	5,639623	5,628261	5,6060837	5,619450333	0,01336667	1,009308121	---	
17344841	4,992703	4,713422	4,907547	4,91059	4,937688	4,80556	4,871224	4,884612667	0,01338867	1,009323512	---	
17379606	7,944767	8,505373	7,983309	8,091295	8,332232	8,050123	8,144483	8,157883333	0,01340033	1,009331674	Mmp9	
17526929	8,854374	8,763268	8,594231	8,784624	8,604476	8,862979	8,737291	8,750693	0,013402	1,00933284	1110032A03Rik	
17266946	6,5319	6,471891	6,437948	6,297625	6,643977	6,540354	6,4805797	6,493985333	0,01340567	1,009335406	Ccl5	
17370729	3,666246	3,350231	3,534591	3,70001	3,437642	3,453638	3,5170227	3,53043	0,01340733	1,009336572	A730015I17	
17360045	8,245934	8,158719	8,04073	8,188206	8,115513	8,181914	8,148461	8,161877667	0,01341667	1,009343101	Trim8	
17387628	5,346184	4,742257	5,079337	5,220021	4,961751	5,026321	5,055926	5,069364333	0,01343833	1,00935826	Olfr1024	
17307749	5,73179	5,758129	5,614126	5,890169	5,662069	5,592144	5,7013483	5,7147 94	0,01344567	1,009363391	Pnoc	
17506273	10,03068	10,06845	10,09976	10,11332	10,09107	10,03484	10,066297	10,07974333	0,01344667	1,00936409	Cox4i1	
17538390	5,073224	4,545323	5,051865	4,816536	4,762903	5,131353	4,8901373	4,903597333	0,01346	1,009373419	Gm15070	
17242496	9,875111	9,908819	9,952755	9,904117	9,958796	9,914158	9,9122283	9,925690333	0,013462	1,009374818	Rrp1	
17485609	5,465389	6,238397	6,139791	6,109776	5,956439	5,81775	5,947859	5,961321667	0,01346267	1,009375285	Lilra6	
17493407	5,982995	5,732505	5,818047	5,86414	5,923488	5,786311	5,8445157	5,857979667	0,013464	1,009376218	Nars2	
17319913	4,760645	4,642236	4,85541	4,877343	4,791061	4,630323	4,7527637	4,766242333	0,01347867	1,009386479	Efcab6	
17480127	4,022077	4,031092	4,240208	4,081851	4,281598	3,970396	4,0977923	4,111281667	0,01348933	1,009393942	Ccdc89	
17550735	4,047909	4,097802	4,120393	4,055549	4,200411	4,050613	4,0887013	4,102191	0,01348967	1,009394175	---	
17539086	6,22824	5,998815	6,164074	6,266608	6,072226	6,092774	6,1303763	6,143869333	0,013493	1,009396507	Ptchd1 // Ptchd1	
17523326	8,043045	8,074258	7,999576	8,085373	8,163176	7,908816	8,0389597	8,052455	0,01349533	1,00939814	Deb1	
17529358	6,28708	6,475219	6,416556	6,465279	6,425582	6,328529	6,3929517	6,406463333	0,01351167	1,009409568	---	
17384301	8,649079	8,56081	8,557142	8,582994	8,622278	8,602299	8,5890103	8,602523667	0,01351333	1,009410734	Fbxw2	
17472919	5,027192	4,871218	5,133264	5,165336	4,798837	5,108084	5,010558	5,024085667	0,01352767	1,009420763	B230104C08Rik	
17352957	3,908743	3,583734	4,128358	3,733753	4,112525	3,815145	3,8736117	3,887141	0,01352933	1,009421929	Dsc1	
17340084	6,84463	7,017467	6,680439	6,863546	6,750608	6,968973	6,847512	6,861042333	0,01353033	1,009422628	Dync2li1	
17404515	5,572338	5,505824	5,589856	5,382168	5,543287	5,783182	5,556006	5,569545667	0,01353967	1,009429159	Arpm1	
17357794	3,660605	3,683396	3,569492	3,599108	3,600523	3,754483	3,637831	3,651371333	0,01354033	1,009429625	Olfr1434 // Olfr1433	
17330866	4,104196	4,047393	4,220009	4,145192	4,089742	4,1773	4,123866	4,137411333	0,01354533	1,009433124	---	
17424018	8,529499	8,409576	8,457464	8,399067	8,500023	8,538148	8,465513	8,479079333	0,01356633	1,009447817	Topors	
17204117	2,708583	4,80781	3,613898	2,939525	3,744872	4,4866	3,710097	3,723665667	0,01356867	1,00944945	---	
17308622	11,40596	11,35591	11,2682	11,31821	11,39867	11,35392	11,343357	11,35693333	0,01357667	1,009455047	LOC100862604 // Gm6917 // Cbx3	
17201643	4,614717	5,216674	4,749887	4,721778	5,242858	4,657417	4,860426	4,874017667	0,01359167	1,009465543	---	
17288501	9,004714	9,292455	9,128317	9,095422	9,236704	9,134165	9,1418287	9,155430333	0,01360167	1,00947254	Clptm1l	
17409950	3,433794	3,41072	3,514423	3,493776	3,496237	3,409731	3,452979	3,466581333	0,01360233	1,009473007	---	
17538614	3,911948	4,063811	4,138554	4,283086	3,853813	4,018221	4,0381043	4,051706667	0,01360233	1,009473007	---	
17355437	10,18169	10,30395	10,33693	10,40003	10,31128	10,15207	10,27419	10,28779333	0,01360333	1,009473706	---	
17549962	3,28443	3,264096	3,201084	3,273898	3,320135	3,196402	3,24987	3,263478333	0,01360833	1,009477205	---	
17264940	5,004715	5,363389	5,328508	5,104288	5,511312	5,121838	5,232204	5,245812667	0,01360867	1,009477438	Amac1	
17343640	6,132319	5,670436	6,296257	5,945284	6,26566	5,928903	6,033004	6,046615667	0,01361167	1,009479537	---	
17299627	8,184792	7,652327	8,283998	8,15333	8,191613	7,817046	8,0403723	8,053996333	0,013624	1,009488167	AY358078	
17393872	4,991894	5,115304	4,917567	4,905545	5,05746	5,102657	5,008255	5,021887333	0,01363233	1,009493998	---	
17452178	7,417448	7,716139	7,824273	7,662975	7,592266	7,743522	7,65262	7,666254333	0,01363433	1,009495398	Trafd1	
17463126	6,155651	6,20014	6,358557	6,258512	6,242054	6,2547	6,238116	6,251755333	0,01363933	1,009498896	Iffo1	
17550689	11,47987	11,50148	11,51802	11,51011	11,43557	11,59464	11,49979	11,51344	0,01365	1,00950636	---	
17252645	4,783231	4,978309	4,711442	4,762421	4,886234	4,865364	4,8243273	4,838006333	0,013679	1,009526653	Trpv1	
17201845	4,702436	5,629784	4,209457	4,446437	4,932534	5,20378	4,8472257	4,860917	0,01369133	1,009535283	---	
17536264	7,326946	7,267737	7,499217	7,278214	7,418521	7,438251	7,3646333	7,378328667	0,01369533	1,009538082	Pcyt1b	
17428862	6,845763	7,828804	7,375229	7,724663	7,153351	7,212911	7,349932	7,363641667	0,01370967	1,009548112	---	
17378272	9,264754	9,486944	9,536941	9,479464	9,402864	9,447483	9,4295463	9,443270333	0,013724	1,009558142	Raly	
17327038	10,79062	10,70926	10,65436	10,71357	10,71706	10,76481	10,71808	10,73181333	0,01373333	1,009564673	Ifnar2	
17300173	6,487551	6,279674	6,739429	6,620667	6,735552	6,191678	6,502218	6,515965667	0,01374767	1,009574703	Trav12-2 // Trav12-2	
17233141	4,254837	4,182401	4,304393	4,262531	4,215678	4,304687	4,2472103	4,260965333	0,013755	1,009579835	D030045P18Rik	
17312759	8,102198	8,086537	8,057158	7,983657	8,216354	8,087154	8,0819643	8,095721667	0,01375733	1,009581468	Cyth4	
17382900	4,73	4,635277	5,267285	4,880621	4,815594	4,977634	4,8775207	4,891283	0,01376233	1,009584967	4932418E24Rik	
17436315	11,37824	11,32391	11,33318	11,2256	11,4093	11,44172	11,34511	11,35887333	0,01376333	1,009585667	Ppp1cb	
17452609	4,159677	3,948149	4,040739	4,067866	4,151605	3,970447	4,0495217	4,063306	0,01378433	1,009600362	Il31	
17234468	7,504726	7,610379	7,426942	7,542162	7,578027	7,463237	7,5140157	7,527808667	0,013793	1,009606427	Zfp280b	
17251607	9,19573	9,191195	9,112411	9,229704	9,215626	9,095388	9,1664453	9,180239333	0,013794	1,009607127	Trappc1	
17328368	6,679489	7,165144	7,671426	6,956933	7,109983	7,490525	7,1720197	7,185813667	0,013794	1,009607127	Myh11	
17366636	3,250724	3,321515	3,402714	3,48933	3,293824	3,233192	3,3249843	3,338782	0,01379767	1,009609693	Gm13219	
17542235	3,318615	3,491888	3,331582	3,310117	3,405344	3,468018	3,380695	3,394493	0,013798	1,009609926	Mir767	
17531488	6,816916	6,691703	6,876244	6,750707	6,852829	6,822722	6,7949543	6,808752667	0,01379833	1,00961016	Dhx30	
17508737	8,196458	8,18688	8,186996	8,249784	8,272038	8,089908	8,1901113	8,20391	0,01379867	1,009610393	Tnks	
17476317	5,625213	5,950619	5,999709	5,891386	5,798841	5,926723	5,8585137	5,872316667	0,013803	1,009613425	Clip3	
17305182	4,766922	4,648592	4,771739	4,704988	4,633116	4,890607	4,7290843	4,742903667	0,01381933	1,009624856	Nrg3	
17369076	6,025999	5,9726	6,036252	5,915895	6,210721	5,949721	6,011617	6,025445667	0,01382867	1,009631387	Pkn3	
17540566	4,497878	4,650209	4,887107	4,974195	4,202954	4,899546	4,678398	4,692231667	0,01383367	1,009634887	Zfp300	
17255089	3,478295	3,441329	3,283681	3,550349	3,285385	3,40915	3,4011017	3,414961333	0,01385967	1,009653082	4930405D11Rik	
17521825	9,671167	9,711987	9,659311	9,639429	9,653669	9,79096	9,6808217	9,694686	0,01386433	1,009656348	Qrich1	
17506991	7,80047	7,992241	7,626294	7,729968	7,867046	7,863626	7,806335	7,820213333	0,01387833	1,009666146	Nrp1	
17547441	3,109122	2,994157	3,009153	3,046099	3,011895	3,096095	3,0374773	3,051363	0,01388567	1,00967128	---	
17408793	10,67901	10,71426	10,59093	10,57759	10,62342	10,82486	10,6614	10,67529	0,01389	1,009674311	Capza1	
17220627	6,735926	5,986487	6,596819	6,61612	6,431781	6,31302	6,439744	6,453640333	0,01389633	1,009678743	Esrrg	
17285586	6,692151	6,55721	6,554301	6,748485	6,508319	6,588557	6,6012207	6,615120333	0,01389967	1,009681076	Aoah	
17323589	6,686181	6,80963	7,12737	7,089041	6,896475	6,760371	6,9013937	6,915295667	0,013902	1,009682709	Klhl22	
17258834	8,807742	8,809512	8,881056	8,703258	8,915385	8,921415	8,83277	8,846686	0,013916	1,009692507	6030468B19Rik	
17333833	3,102504	3,345226	3,229314	3,365636	3,054202	3,299006	3,2256813	3,239614667	0,01393333	1,009704638	Vmn2r107	
17207811	4,475659	4,778743	4,427989	4,607238	4,284398	4,83256	4,560797	4,574732	0,013935	1,009705805	---	
17286009	7,838936	7,729786	8,033363	7,952102	7,844552	7,847239	7,8673617	7,881297667	0,013936	1,009706505	Tdp2	
17494637	8,991145	9,034804	9,040751	8,863576	9,176973	9,067959	9,0222333	9,036169333	0,013936	1,009706505	Mrpl17	
17237687	5,046525	4,974013	5,107097	5,063445	5,012945	5,093089	5,042545	5,056493	0,013948	1,009714903	4921513I03Rik	
17278808	3,187217	3,363265	3,174212	3,22019	3,458831	3,087527	3,2415647	3,255516	0,01395133	1,009717236	Mir299	
17300950	4,884234	4,445752	5,037889	4,888267	4,760063	4,761415	4,7892917	4,803248333	0,01395667	1,009720969	Fgf9	
17451748	5,529617	5,492837	5,812743	5,712666	5,478854	5,685547	5,6117323	5,625689	0,01395667	1,009720969	Ccdc64	
17220644	4,451994	4,470286	4,4376	4,439913	4,552792	4,409047	4,4532933	4,467250667	0,01395733	1,009721435	Ush2a	
17383848	9,543095	9,673557	9,430504	9,523636	9,594807	9,570586	9,549052	9,563009667	0,01395767	1,009721669	Swi5 // Swi5	
17379470	3,476569	3,048604	3,076638	3,034342	3,367863	3,241512	3,2006037	3,214572333	0,01396867	1,00972937	---	
17521159	9,066835	9,132771	9,153494	9,144569	9,206135	9,044357	9,1177	9,131687	0,013987	1,009742199	Twf2	
17210994	3,320581	3,337358	3,85469	3,38241	3,572537	3,599655	3,5042097	3,518200667	0,013991	1,009744998	---	
17507288	8,203937	8,352469	8,247618	8,238754	8,164977	8,442273	8,268008	8,282001333	0,01399333	1,009746632	Shcbp1	
17387726	3,623537	3,110229	3,377044	3,30013	3,590993	3,261697	3,37027	3,384273333	0,01400333	1,009753631	Olfr1100	
17218620	9,694903	9,761286	9,629159	9,680467	9,621393	9,825528	9,695116	9,709129333	0,01401333	1,00976063	Rc3h1	
17500994	3,009893	3,01317	3,123184	3,014421	3,126461	3,047438	3,048749	3,062773333	0,01402433	1,009768329	---	
17394285	4,445373	4,355874	4,577328	4,464334	4,446216	4,510098	4,459525	4,473549333	0,01402433	1,009768329	Zswim1	
17413352	4,820614	4,83121	4,767176	4,832982	4,721787	4,906317	4,8063333	4,820362	0,01402867	1,009771362	Car9	
17215612	8,38056	8,389283	8,487286	8,317103	8,495279	8,48684	8,419043	8,433074	0,014031	1,009772995	Cops8	
17549228	4,567539	4,494308	4,740437	4,590493	4,66923	4,584671	4,6007613	4,614798	0,01403667	1,009776961	---	
17549314	4,567539	4,494308	4,740437	4,590493	4,66923	4,584671	4,6007613	4,614798	0,01403667	1,009776961	---	
17326846	6,298047	6,326287	6,482805	6,571897	6,362788	6,214613	6,3690463	6,383099333	0,014053	1,009788393	N6amt1	
17392980	5,359732	5,479634	5,713952	5,610118	5,455955	5,529406	5,5177727	5,531826333	0,01405367	1,00978886	Defb25	

17200731	4,007872	3,159962	3,691611	4,242023	3,435414	3,224185	3,619815	3,633874	0,014059	1,009792593	---
17353042	5,135545	5,085433	5,103573	5,180459	5,119972	5,066303	5,1081837	5,122244667	0,014061	1,009793993	Klhl14
17273620	8,013548	8,02213	7,95673	8,054582	8,015364	7,964716	7,9974693	8,011554	0,01408467	1,009810558	Dtnb
17390598	5,38916	5,214449	5,055252	5,116643	5,310288	5,27419	5,2196203	5,233707	0,01408667	1,009811958	2310003F16Rik // 2310003F16Rik
17238691	2,986066	2,979068	2,933413	2,926239	3,046021	2,968573	2,9661823	2,980277667	0,01409533	1,009818024	Olfr809
17267601	9,320556	9,250324	9,193829	9,475287	9,110852	9,220856	9,254903	9,268998333	0,01409533	1,009818024	Scpep1
17508783	5,232396	5,19308	5,703267	5,30665	5,525303	5,339113	5,3762477	5,390355333	0,01410767	1,009826657	5430403N17
17458550	5,936057	5,753664	6,026389	6,102264	5,802159	5,854023	5,90537	5,919482	0,014112	1,00982969	Nfe2l3
17263959	9,786822	9,867676	9,810873	9,878669	9,816867	9,812193	9,8217903	9,835909667	0,01411933	1,009834823	Ncor1
17228197	5,164009	5,017696	5,506189	4,947012	5,500351	5,282891	5,229298	5,243418	0,01412	1,00983529	E330020D12Rik
17525235	5,460523	5,209854	5,471489	5,531529	5,411263	5,241436	5,380622	5,394742667	0,01412067	1,009835756	Adamts8
17328550	5,36541	5,350678	5,64529	5,438262	5,351624	5,613861	5,4537927	5,467915667	0,014123	1,00983739	Spag6
17310814	4,567061	4,326447	4,140686	4,223871	4,31458	4,538126	4,3447313	4,358859	0,01412767	1,009840656	---
17414642	6,309998	5,914968	6,054826	6,363086	5,910732	6,048359	6,093264	6,107392333	0,01412833	1,009841123	---
17270761	7,957473	8,041901	8,106207	8,069579	8,055968	8,022422	8,0351937	8,049323	0,01412933	1,009841823	Ccdc47
17389901	5,370045	5,299942	5,368741	5,47293	5,406256	5,201934	5,3462427	5,360373333	0,01413067	1,009842756	Exd1
17336199	6,635622	6,939468	7,124247	6,846991	6,782017	7,112731	6,899779	6,913913	0,014134	1,009845089	Cd320
17422039	6,07996	6,000999	6,047132	6,161118	6,007183	6,002225	6,042697	6,056842	0,014145	1,009852789	Klhl21
17320844	4,248669	4,177393	4,247414	4,28094	4,216409	4,218593	4,224492	4,238647333	0,01415533	1,009860022	Dbx2
17548861	5,568512	4,915865	5,052809	5,516248	4,766619	5,296796	5,179062	5,193221	0,014159	1,009862589	4930408F14Rik // 4930408F14Rik
17271350	10,6338	10,65744	10,69243	10,70782	10,71648	10,60186	10,661223	10,67538667	0,01416333	1,009865622	Abca8a
17463851	4,939082	5,026612	4,970721	4,9257	5,150258	4,902952	4,978805	4,99297	0,014165	1,009866789	Ptpro
17467237	3,61655	3,375436	3,209944	3,525584	3,456498	3,262382	3,4006433	3,414821333	0,014178	1,009875889	---
17279755	3,891099	3,902186	3,90693	3,997612	3,867808	3,877399	3,9000717	3,914273	0,01420133	1,009892222	---
17427992	3,471538	3,903423	3,301053	3,576596	3,740493	3,401552	3,5586713	3,572880333	0,014209	1,009897589	---
17204943	3,526997	3,86782	4,01945	3,749667	4,027102	3,680135	3,8047557	3,818968	0,01421233	1,009899922	---
17437984	3,326476	3,541128	3,341056	3,427834	3,371599	3,451885	3,4028867	3,417106	0,01421933	1,009904822	Gm5108 // Gm5108
17256101	4,233666	4,311646	4,21695	4,30718	4,215311	4,282489	4,2540873	4,268326667	0,01423933	1,009918822	Gsdma
17366052	5,248914	5,199602	5,173625	5,279854	4,98403	5,400979	5,2073803	5,221621	0,01424067	1,009919756	---
17463184	8,135903	8,481728	8,214144	8,406522	8,196188	8,27179	8,2772583	8,2915	0,01424167	1,009920456	Tnfrsf1a
17275155	4,746744	4,83233	4,854914	4,859422	4,998738	4,618569	4,8113293	4,825576333	0,014247	1,009924189	---
17497313	5,42054	5,518032	5,568031	5,534954	5,377164	5,637228	5,502201	5,516448667	0,01424767	1,009924656	---
17334062	4,896333	4,86274	5,083676	4,935518	5,123965	4,826015	4,947583	4,961832667	0,01424967	1,009926056	---
17237899	10,42768	10,51104	10,47222	10,50182	10,47442	10,47747	10,470313	10,48457	0,01425667	1,009930956	Cdk4
17469691	5,805623	5,668489	5,673853	5,533906	5,78829	5,868554	5,7159883	5,73025	0,01426167	1,009934456	Lhfpl4
17229639	8,09994	8,1452	8,03651	8,122439	8,156292	8,045753	8,0938833	8,108161333	0,014278	1,00994589	Pcp4l1
17238687	3,283308	3,422528	2,963371	3,615123	3,094973	3,001992	3,223069	3,237362667	0,01429367	1,009956858	Olfr804
17261185	3,093762	2,783667	2,90236	2,92077	2,918905	2,983033	2,9265963	2,940902667	0,01430633	1,009965725	---
17206851	3,816507	4,783918	3,682956	3,831415	4,218793	4,276099	4,0944603	4,108769	0,01430867	1,009967358	---
17250948	7,323408	7,215197	7,265615	7,182533	7,299029	7,365602	7,2680733	7,282388	0,01431467	1,009971559	Sco1
17372914	3,47944	3,514918	3,744013	3,762239	3,407169	3,611915	3,579457	3,593774333	0,01431733	1,009973426	Olfr1189
17411033	5,764348	5,767405	5,686549	5,87892	5,842376	5,53999	5,739434	5,753762	0,014328	1,009980893	Spata1
17375500	6,442521	6,539521	6,750502	6,416932	6,893894	6,464705	6,5775147	6,591843667	0,014329	1,009981593	Spata5l1 // Spata5l1
17434082	3,299015	2,80685	3,0901	2,997074	3,257302	2,984579	3,0653217	3,079651667	0,01433	1,009982293	---
17312367	6,205208	6,359558	6,333815	6,360894	6,381433	6,199256	6,299527	6,313861	0,014334	1,009985093	Exosc4
17350408	7,268647	7,370684	7,126326	7,274179	7,178123	7,356377	7,255219	7,269559667	0,01434067	1,00998976	Commd10
17539033	5,209153	5,067523	5,230772	5,112935	5,256363	5,181191	5,1691493	5,183496333	0,014347	1,009994194	Spin2
17310072	4,146783	3,96471	3,995973	3,923006	4,300528	3,926993	4,035822	4,050175667	0,01435367	1,009998861	Gdnf
17451987	8,55549	8,503729	8,366579	8,402394	8,41934	8,647131	8,475266	8,489621667	0,01435567	1,010000262	Tpcn1
17490955	4,980182	4,907401	4,993272	4,957168	4,980182	4,986729	4,960285	4,974693	0,014408	1,0100369	---
17439114	2,948975	3,37928	3,172277	3,154641	3,261537	3,127674	3,166844	3,181284	0,01444	1,010059303	---
17338715	8,271894	8,140807	8,18362	8,341871	8,012648	8,285134	8,1987737	8,213217667	0,014444	1,010062104	Hdgfrp2
17258882	5,1136	4,861484	5,075089	4,88526	5,113702	5,094565	5,0167243	5,031175667	0,01445133	1,010067238	---
17484030	5,502428	5,435751	5,584599	5,597329	5,47672	5,492118	5,5075927	5,522055667	0,014463	1,010075406	Hmx3
17479200	5,392022	5,191752	4,912702	4,91127	5,359779	5,268856	5,165492	5,179968333	0,01447633	1,010084741	1500012K07Rik
17452405	9,882599	10,16156	10,08964	10,16564	10,05514	9,95647	10,0446	10,05908333	0,01448367	1,010089876	Atp2a2
17273961	10,59978	10,61999	10,5692	10,64543	10,58679	10,60025	10,596323	10,61082333	0,0145	1,010101311	Laptm4a
17404596	5,504605	5,244498	5,589241	5,266516	5,573064	5,54229	5,4461147	5,460623333	0,01450867	1,010107379	Kcnmb3
17486570	7,230208	7,529985	7,482871	7,473197	7,249706	7,563689	7,4143547	7,428864	0,01450933	1,010107846	Zfp329
17376867	6,091631	5,84838	5,84628	5,999533	5,930063	5,900231	5,9287637	5,943275667	0,014512	1,010109713	Btbd3
17239227	7,782132	7,828803	7,535444	7,696793	7,716276	7,77686	7,7154597	7,729976333	0,01451667	1,010112981	Rab32
17226263	6,259929	6,304342	6,236578	6,30999	6,246264	6,288182	6,2669497	6,281478667	0,014529	1,010121616	Tmem177
17373120	9,233267	9,303471	9,270736	9,265446	9,266298	9,319325	9,269158	9,283689667	0,01453167	1,010123483	Celf1
17201125	5,11327	6,824448	6,06332	5,181216	6,423343	6,440078	6,000346	6,014879	0,014533	1,010124417	---
17307491	10,76523	11,16784	11,24609	11,04932	11,14046	11,033	11,05972	11,07426	0,01454	1,010129318	---
17432561	4,139215	3,871034	4,55583	4,32618	4,274688	4,008833	4,188693	4,203233667	0,01454067	1,010129785	---
17347252	8,836929	9,083898	8,687945	8,770115	9,060404	8,821878	8,8695907	8,884132333	0,01454167	1,010130485	Fam98a
17363640	4,066986	4,257422	4,596767	4,361446	4,494174	4,109221	4,3070583	4,321613667	0,01455533	1,010140054	Foxd4
17449596	9,030869	9,084867	8,887491	8,955803	9,019353	9,071746	9,0010757	9,015634	0,01455833	1,010142154	Rchy1
17259324	5,257091	5,043909	5,169801	5,325447	5,180101	5,008938	5,1569337	5,171495333	0,01456167	1,010144488	Tspan10
17410676	3,684489	3,450451	3,635225	3,616989	3,701777	3,495111	3,590055	3,604625667	0,01457067	1,01015079	Adh1
17364622	11,00142	11,0166	10,97515	11,0116	11,02263	11,00269	10,997723	11,01230667	0,01458333	1,010159659	Tm9sf3
17313779	5,751568	5,761787	5,781191	5,589076	5,923597	5,825707	5,7648487	5,77946	0,01461133	1,010179264	Upk3a
17496452	8,015078	8,264235	8,113953	8,194042	8,092161	8,150902	8,1310887	8,145701667	0,014613	1,010180431	Taok2
17545440	7,370813	7,22081	7,121953	7,168435	7,314581	7,274533	7,2378587	7,252516333	0,01465767	1,010211708	Tspyl2
17238605	5,602176	5,484962	5,387352	5,631022	5,422894	5,46456	5,4914967	5,506158667	0,014662	1,010214742	Itga7
17311142	3,774141	3,958955	3,717864	3,924104	3,783739	3,787104	3,8169867	3,831649	0,01466233	1,010214975	Gm19793
17474278	3,495347	3,649935	3,254947	3,617776	3,368561	3,457891	3,466743	3,481409333	0,01466633	1,010217776	Ceacam5
17453022	2,945225	3,406265	3,374184	3,423744	3,206264	3,13967	3,2418913	3,256559333	0,014668	1,010218943	---
17361120	7,674086	7,700811	7,655649	7,790136	7,673232	7,611186	7,6768487	7,691518	0,01466933	1,010219877	Rps6kb2
17311802	8,246283	8,433702	8,412194	8,372068	8,403611	8,360516	8,3640597	8,378731667	0,014672	1,010221744	---
17285448	7,974539	7,926685	7,858116	7,881755	8,179989	7,741613	7,91978	7,934452333	0,01467233	1,010221978	2810021B07Rik
17385985	6,503168	6,167343	6,09268	6,298743	6,40968	6,098852	6,254397	6,269091667	0,01469467	1,010237616	Ttc21b
17483235	6,844543	6,815829	6,816159	6,69248	7,039169	6,788971	6,8255103	6,840206667	0,01469633	1,010238783	AI467606
17477789	3,57969	3,630121	3,775943	3,877758	3,589721	3,562366	3,661918	3,676615	0,014697	1,01023925	---
17531265	6,664431	6,547468	6,790443	6,583416	6,776875	6,686171	6,6674473	6,682154	0,01470667	1,010246019	Atrip
17524332	3,520495	3,354797	3,331502	3,415574	3,463706	3,371653	3,4022647	3,416977667	0,014713	1,010250454	Olfr846
17385902	4,870593	5,031242	4,959528	4,853949	5,102989	4,948603	4,9537877	4,968513667	0,014726	1,010259557	Slc38a11
17459250	9,469943	9,393404	9,33427	9,412661	9,373418	9,455742	9,3992057	9,413940333	0,01473467	1,010265626	Gng12
17532524	12,41212	12,49642	12,51157	12,53483	12,54095	12,38855	12,47337	12,48811	0,01474	1,010269361	Hnrnpa1 // Hnrnpa1
17298473	4,898578	4,760165	4,854985	4,844223	5,015714	4,698027	4,8379093	4,852654667	0,01474533	1,010273096	Galntl2
17437043	6,07374	5,96479	6,36321	6,083036	6,141624	6,221359	6,1339133	6,148673	0,01475967	1,010283133	Cytl1
17246613	6,70146	6,835059	6,878324	6,71445	7,024381	6,720298	6,8049477	6,819709667	0,014762	1,010284767	Selm
17330456	3,509354	3,523364	3,390769	3,377186	3,604218	3,486403	3,4744957	3,489269	0,01477333	1,010292704	4932412D23Rik
17282743	5,481386	5,808895	5,61217	5,697395	5,620021	5,629384	5,6341503	5,648933333	0,014783	1,010299473	Tgfb3
17358214	8,668945	8,505898	8,603417	8,639248	8,723399	8,460016	8,5927533	8,607554333	0,014801	1,010312078	Klf9
17493956	5,089142	5,113587	5,045642	5,215908	5,062169	5,014698	5,0827903	5,097591667	0,01480133	1,010312312	Folr1
17453935	5,483087	5,422226	5,72877	5,633889	5,503978	5,540627	5,5446943	5,559498	0,01480367	1,010313946	Zan
17510986	6,845099	6,47521	6,82484	6,690303	6,80268	6,696589	6,7150497	6,729857333	0,01480767	1,010316747	Mir1199
17297923	4,555622	4,312822	4,477757	4,37954	4,479566	4,531524	4,4487337	4,463543333	0,01480967	1,010318147	---
17543813	3,829643	3,28065	3,625434	3,526463	3,507507	3,746214	3,5785757	3,593394667	0,014819	1,010324684	Mir421 // Mir421
17253213	6,895889	6,501126	6,906195	7,014979	6,76909	6,563612	6,7677367	6,782560333	0,01482367	1,010327952	---
17222575	4,476381	4,159483	4,196696	4,203125	4,229096	4,444877	4,27752	4,292366	0,014846	1,010343592	Rfx8
17404432	9,39006	9,485023	9,505437	9,560294	9,558551	9,306214	9,4601733	9,475019667	0,01484633	1,010343825	Fndc3b
17259992	9,139634	9,346605	9,364644	9,275277	9,211082	9,409078	9,2836277	9,298479	0,01485133	1,010347327	Mtmr3
17224462	8,13454	8,13454	8,103401	8,182508	8,080402	8,154163	8,1241603	8,139024333	0,014864	1,010356198	1810031K17Rik
17240077	5,947483	5,501187	5,172761	5,408373	5,62558	5,632074	5,540477	5,555342333	0,01486533	1,010357131	Hey2
17547680	5,720816	5,664365	5,682509	5,581191	5,67368	5,857512	5,68923	5,704127667	0,01489767	1,010379776	Sdc1 // Sdc1
17450020	3,147349	3,515927	3,171304	3,155364	3,440622	3,283289	3,2781933	3,293091667	0,01489833	1,01038043	---
17267237	7,479916	7,848085	7,446297	7,616096	7,670689	7,532229	7,5914327	7,606338	0,01490533	1,010385145	Ints2
17210049	5,34741	5,3635	5,494659	5,370379	5,51229	5,367626	5,4018563	5,416765	0,01490867	1,010387479	---
17343119	8,293228	8,261046	7,945792	8,225658	8,14915	8,170035	8,1666887	8,181614333	0,01492567	1,010399385	Btbd9
17287973	5,780066	5,679969	5,712193	5,76366	5,711093	5,742298	5,724076	5,739017	0,014941	1,010410124	A530065N20
17479144	3,029473	3,079878	3,32305	3,200074	3,116026	3,161133	3,1441337	3,159077667	0,014944	1,010412225	4930402F11Rik
17436107	9,886237	9,936394	9,860085	10,07691	9,813862	9,836783	9,8942387	9,909185	0,01494633	1,01041386	Gckr
17517448	10,41726	10,20218	10,19895	10,31355	10,23683	10,31292	10,272797	10,28776667	0,01497	1,010430435	Agphd1
17316605	3,019817	2,971536	3,187487	3,121558	3,137612	2,964587	3,0596133	3,074585667	0,01497233	1,010432069	---
17316625	8,839453	8,966036	8,889644	9,001287	8,875114	8,863655	8,8983777	8,913352	0,01497433	1,01043347	Ubr5
17293356	3,382257	3,307039	3,079388	3,089092	3,290989	3,433559	3,256228	3,271213333	0,01498533	1,010441174	Tpbpb
17275986	4,974308	4,482609	4,69622	4,550915	4,871166	4,776031	4,7177123	4,732704	0,01499167	1,01044561	Abhd12b
17513886	7,048499	7,032546	7,311449	7,205006	7,103855	7,12863	7,1308313	7,145830333	0,014999	1,010450746	1300018I17Rik
17472030	8,291903	8,155891	8,122863	8,232902	8,133079	8,24968	8,190219	8,205220333	0,01500133	1,01045238	Dusp16
17514678	6,760859	6,764127	6,681322	6,790067	6,68202	6,779253	6,735436	6,750446667	0,01501067	1,010458917	Maml2
17260732	7,36138	7,366458	7,616201	7,360573	7,516339	7,512198	7,448013	7,463036667	0,01502367	1,010468023	Sec61g
17219465	11,96036	11,73836	11,85301	11,79513	11,90055	11,90114	11,850577	11,86560667	0,01503	1,010472458	---
17254835	6,692388	6,958322	7,257172	7,036604	6,852339	7,064036	6,969294	6,984326333	0,01503233	1,010474093	A430104N18Rik
17290185	6,498471	6,075618	6,24955	6,200049	6,382377	6,286333	6,2745463	6,289586333	0,01504	1,010479463	---
17525436	4,526429	4,857465	4,552436	4,739421	4,650301	4,59177	4,6454433	4,660497333	0,015054	1,010489268	Gm17252
17210343	3,64365	3,952261	3,889484	3,95531	3,826884	3,748407	3,828465	3,843533667	0,01506867	1,010499541	---
17534958	4,090444	3,921797	3,823707	3,963775	3,979686	3,937708	3,945316	3,960389667	0,01507367	1,010503043	---
17474631	2,781872	2,837372	2,890136	2,786335	3,034997	2,733275	2,83646	2,851535667	0,01507567	1,010504444	---
17509182	4,211314	4,19556	4,218698	4,176113	4,412668	4,082026	4,208524	4,223602333	0,01507833	1,010506312	Helt
17271931	9,316838	9,287049	9,151041	9,290574	9,207354	9,302244	9,2516427	9,266724	0,01508133	1,010508413	Sumo2
17460707	5,487384	5,632475	5,618516	5,583516	5,673699	5,526443	5,5794583	5,594552667	0,01509433	1,010517519	4933427D06Rik

17253937	6,119418	5,934691	6,016789	6,080903	6,029552	6,005754	6,0236327	6,038736333	0,01510367	1,010524056 Rhbdl3
17379877	6,347979	6,61774	6,823151	6,619042	6,716141	6,498998	6,59629	6,611393667	0,01510367	1,010524056 Kcnb1
17534162	5,431946	5,307492	5,455698	5,570863	5,283527	5,386083	5,3983787	5,413491	0,01511233	1,010530127 Rhox2a
17503050	4,767116	4,985793	5,249155	5,079886	4,75092	5,216657	5,000688	5,015821	0,015133	1,010544603 1700067K01Rik
17343344	7,971253	7,989425	7,988146	8,021154	7,933586	8,039497	7,9829413	7,998079	0,01513767	1,010547872 Brd4
17525776	3,133146	3,0062	2,977746	3,016426	3,025103	3,121002	3,0390307	3,054177	0,01514633	1,010553942 Olfr149
17487635	5,228051	5,090703	4,798548	5,106894	4,783149	5,27272	5,0391007	5,054254333	0,01515367	1,010559079 Gm4567
17395766	6,88225	6,620922	7,242382	6,943632	6,948622	6,898788	6,9151847	6,930347333	0,01516267	1,010565383 Eef1a2
17379746	4,747849	4,838151	4,718222	4,699944	4,755787	4,893993	4,768074	4,783241333	0,01516733	1,010568652 Gm11468
17344637	5,472	5,233172	5,54758	5,316501	5,537876	5,443895	5,417584	5,432757333	0,01517333	1,010572855 ---
17241637	8,04867	8,194033	7,738284	7,867392	8,084034	8,075102	7,9936623	8,008842667	0,01518033	1,010577758 Nrbf2
17491501	2,642002	2,867341	2,82578	2,711671	2,785986	2,883008	2,7783743	2,793555	0,01518067	1,010577992 ---
17357374	9,82498	9,904967	10,01538	9,932823	10,02909	9,828964	9,915109	9,930292333	0,01518333	1,01057986 Eef1g
17500275	8,264866	8,258092	8,057349	8,071157	8,194057	8,360659	8,1934357	8,208624333	0,01518867	1,010583596 Erlin2
17242426	6,900965	6,868529	6,840005	6,835548	6,846808	6,972748	6,869833	6,885034667	0,01520167	1,010592702 Pwp2
17284617	2,913493	2,891872	2,967524	3,021481	2,934407	2,862626	2,9242963	2,939504667	0,01520833	1,010597372 ---
17495466	11,05637	11,00735	10,84004	10,95823	11,04738	10,9438	10,96792	10,98313667	0,01521667	1,010603209 Arl6ip1
17471755	3,506142	3,768724	3,611852	4,181749	3,690394	3,060261	3,628906	3,644134667	0,01522867	1,010611615 ---
17435978	7,060233	7,133637	7,057884	7,115941	7,166556	7,014955	7,083918	7,099150667	0,01523267	1,010614417 Cad
17210449	6,595119	5,529596	6,364241	6,723719	5,729827	6,081128	6,1629853	6,178224667	0,01523933	1,010619087 ---
17307109	2,849657	2,79513	2,974755	2,867991	2,826169	2,971107	2,8731807	2,888422333	0,01524167	1,010620722 ---
17310835	5,402563	5,309053	5,029163	5,494473	5,088277	5,203758	5,2469263	5,262169333	0,015243	1,010621656 Tas2r119
17480292	7,978224	7,997645	7,698795	7,944364	7,882605	7,893445	7,8915547	7,906804667	0,01525	1,01062656 Nars2
17506302	4,895255	4,563193	4,91085	4,760832	4,859119	4,795144	4,789766	4,805031667	0,01526567	1,010637534 1700030M09Rik
17469936	11,37557	11,26637	11,47914	11,41087	11,55141	11,20461	11,373693	11,38896333	0,01527	1,01064057 Rpl32 // Rpl32
17207921	4,984489	4,135807	5,482471	5,367928	4,91372	4,366937	4,867589	4,882861667	0,01527267	1,010642438 ---
17493024	10,39598	10,34769	10,21001	10,38167	10,30414	10,31373	10,317893	10,33318	0,01528667	1,010652245 Zfand6
17217174	5,872753	5,844336	5,545848	5,532984	5,843065	5,932776	5,7543123	5,769608333	0,015296	1,010658784 Klhdc8a
17264070	4,92949	5,001257	4,979168	4,839161	5,06596	5,050687	4,9699717	4,985269333	0,01529767	1,010659951 Zfp286
17234881	3,75808	3,586418	3,450145	3,398853	3,852873	3,588831	3,5982143	3,613519	0,01530467	1,010664855 Vmn2r82
17269434	6,050277	5,766772	5,933666	5,957375	6,028004	5,811274	5,916905	5,932217667	0,01531267	1,010670459 ---
17288209	6,477283	6,102213	5,919399	6,481076	5,929008	6,134753	6,1662983	6,181612333	0,015314	1,010671393 ---
17302594	7,833723	7,940612	8,391109	8,110391	8,179838	7,921162	8,055148	8,070463667	0,01531567	1,010672561 ---
17395063	4,661557	4,677639	4,774705	4,678886	4,714392	4,766571	4,7046337	4,719949667	0,015316	1,010672794 Ctcfl
17471867	11,0683	10,98563	11,06503	10,95573	11,10034	11,10884	11,039653	11,05497	0,01531667	1,010673261 Csda
17443683	8,236597	7,948255	7,908343	7,803231	8,163439	8,172537	8,031065	8,046402333	0,01533733	1,01068774 Ppp1r35
17534741	3,579517	3,543296	3,484624	3,564988	3,595266	3,493196	3,5358123	3,55115	0,01533767	1,010687973 Etd
17483385	8,446691	8,634508	8,748993	8,49252	8,744287	8,639471	8,610064	8,625426	0,015362	1,01070502 Phkg2
17451437	8,621486	8,596933	8,743863	8,664376	8,874896	8,469151	8,654094	8,669474333	0,01538033	1,010717864 Selplg
17440257	8,153214	7,952831	7,80436	7,985462	7,946476	8,02463	7,970135	7,985522667	0,01538767	1,01072301 Pcgf3
17226049	8,124032	8,181131	8,034039	8,052076	8,147436	8,185871	8,1130673	8,128461	0,01539367	1,010727205 Kdsr
17475295	6,238732	6,263669	6,248933	6,358922	6,306765	6,131845	6,2504447	6,265844	0,01539933	1,010731175 4732471J01Rik
17213166	5,690005	5,65984	6,008115	5,875207	5,806189	5,722807	5,7859867	5,801401	0,01541433	1,010741684 Gm15834
17204903	4,294069	4,46499	4,150946	4,079679	4,632892	4,243796	4,303335	4,318789	0,015454	1,010769474 ---
17320869	4,997262	4,853618	5,165877	5,161107	5,016576	4,885467	5,0055857	5,02105	0,01546433	1,010776714 2610037D02Rik // 2610037D02Rik
17352439	8,411604	8,421289	8,205236	8,339364	8,370293	8,374866	8,346043	8,361507667	0,01546467	1,010776948 Arhgap12
17279701	7,924554	7,939405	8,065209	7,921506	8,12321	7,930877	7,9763893	7,991864333	0,015475	1,010784187 Cdca7l
17526160	6,986454	6,9587	6,932379	7,084317	6,949233	6,890449	6,9591777	6,974666333	0,01548867	1,010793762 Nlrx1
17267430	6,868605	6,91315	6,863263	6,677935	6,863247	7,150394	6,8816727	6,897192	0,01551933	1,010815249 Gdpd1
17271259	7,643347	7,662893	7,545673	7,672861	7,643394	7,582235	7,6173043	7,63283	0,01552567	1,010819686 Wipi1
17287091	3,399934	3,364176	3,301918	3,384317	3,456036	3,272283	3,3553427	3,370878667	0,015536	1,010826926 Mirlet7f-1 // Mirlet7f-1
17237132	7,856831	7,721455	7,393073	7,463169	7,673827	7,880986	7,6571197	7,672660667	0,015541	1,010830429 Lin7a
17424573	7,055269	6,967639	6,987585	6,983653	7,066137	7,007365	7,0034977	7,019051667	0,015554	1,010839538 B230312A22Rik
17413173	5,55805	5,349072	5,87551	5,55293	5,519875	5,756495	5,5942107	5,609766667	0,015556	1,010840939 N28178
17445994	3,3243	3,302923	3,290004	3,196797	3,370326	3,39689	3,3057423	3,321337667	0,01559533	1,010868499 ---
17463632	3,500416	3,336606	3,348977	3,454952	3,40187	3,375977	3,395333	3,410933	0,0156	1,010871769 Tas2r117
17401058	4,547311	4,298007	4,43583	4,449331	4,448706	4,429918	4,4270493	4,442651667	0,01560233	1,010873404 ---
17435146	9,662573	9,909282	9,844473	9,813691	9,824706	9,82486	9,8054427	9,821085667	0,015643	1,010901899 Psmc2
17230945	7,986915	8,115078	8,075235	8,063736	8,07863	8,081827	8,059076	8,074731	0,015655	1,010910307 Smyd2
17268905	3,141709	3,167924	3,488896	3,402951	3,356562	3,086013	3,2661763	3,281842	0,01566567	1,010917781 ---
17550849	3,088295	3,324917	3,173939	3,123178	3,229166	3,281809	3,195717	3,211384333	0,01566733	1,010918949 ---
17492047	5,253251	5,025888	5,270909	5,188725	5,331023	5,077315	5,1833493	5,199021	0,01567167	1,010921986 ---
17533721	5,009394	4,729854	4,799444	5,16279	4,59961	4,823334	4,8462307	4,861911333	0,01568067	1,010928292 A230072C01Rik
17458602	5,163646	5,301661	5,012982	4,831948	5,223793	5,469605	5,1594297	5,175115333	0,01568567	1,010931796 ---
17406867	7,717554	7,882477	7,888194	7,706593	7,927631	7,901075	7,8294083	7,845099667	0,01569133	1,010935767 Dap3
17383173	8,074361	8,281358	8,28672	8,166432	8,220634	8,302455	8,2141463	8,229840333	0,015694	1,010937635 Surf1
17360128	7,936092	8,083294	7,906523	7,953086	8,010511	8,009421	7,975303	7,991006	0,015703	1,010943942 Pdcd11
17201287	5,155712	5,31248	4,664372	4,906062	5,086294	5,187344	5,044188	5,0599	0,015712	1,010950248 ---
17341179	5,197332	5,363351	5,143649	5,325545	5,096647	5,329293	5,2347773	5,250495	0,01571767	1,010954219 Dll1
17352265	5,487299	5,254636	5,455664	5,404806	5,523772	5,316215	5,3991997	5,414931	0,01573133	1,010963796 Cbln2
17502221	8,973467	8,924165	8,962275	8,930117	8,995317	8,981674	8,9533023	8,969036	0,01573367	1,010965431 Fam125a
17242558	4,643126	4,595971	4,774461	4,739662	4,522106	4,799022	4,671186	4,68693	0,015744	1,010972672 Ccdc105
17242957	3,589017	3,491818	3,525922	3,622137	3,505937	3,525922	3,5355857	3,551332	0,01574633	1,010974307 ---
17203835	3,325835	3,6154	4,223771	2,961355	4,135122	4,115778	3,7216687	3,737418333	0,01574967	1,010976643 ---
17224698	7,026924	6,836241	7,22524	7,119091	7,03843	6,978164	7,0294683	7,045228333	0,01576	1,010983884 Gm2102
17234641	5,321312	5,082876	5,371119	5,394586	5,214323	5,213752	5,2584357	5,274220333	0,01578467	1,01100117 Gm17769
17325438	8,225054	8,186492	8,173983	8,227974	8,210144	8,19477	8,1951763	8,210962667	0,01578633	1,011002338 Hcls1
17238656	3,308899	3,552835	3,356072	3,591208	3,188449	3,485523	3,4059353	3,421726667	0,01579133	1,011005842 Olfr780
17370973	3,941738	3,758404	3,724715	3,827539	3,705892	3,938817	3,8082857	3,824082667	0,015797	1,011009813 Gm13558
17361200	5,973267	6,173213	6,136918	6,068769	6,294819	5,96721	6,094466	6,110266	0,0158	1,011011915 Ankrd13d
17464128	8,623421	8,700342	8,465189	8,631696	8,710854	8,493809	8,5963173	8,612119667	0,01580233	1,01101355 Golt1b
17488719	7,064458	6,941729	6,950772	7,033063	7,003487	6,967824	6,985653	7,001458	0,015805	1,011015419 Fam98c
17287848	6,870871	6,784659	6,874627	6,908461	6,892095	6,777028	6,8433857	6,859194667	0,015809	1,011018222 Smad5
17505003	7,875899	8,097501	8,203881	7,993423	7,944792	8,286494	8,0590937	8,074903	0,01580933	1,011018456 Pskh1
17357559	8,08581	8,312225	8,314493	8,342912	8,010417	8,406651	8,2375093	8,253326667	0,01581733	1,011024062 ---
17549174	3,713491	3,919212	4,167147	3,927211	4,122723	3,797407	3,9332833	3,949113667	0,01583033	1,011033172 ---
17242589	6,551439	6,508233	6,789069	6,687475	6,765204	6,443554	6,616247	6,632077667	0,01583067	1,011033406 Mier2
17214149	11,61029	11,68609	11,67571	11,61738	11,66861	11,73364	11,657363	11,67321	0,01584667	1,011044619 Arpc2
17236733	7,545384	7,613221	7,516384	7,870662	7,273792	7,578105	7,5583297	7,574186333	0,01585667	1,011051627 5730420D15Rik
17432941	5,757643	5,680741	5,671792	5,755121	5,708292	5,69435	5,703392	5,719254333	0,01586233	1,011055598 Ptchd2
17473382	3,88331	3,775339	3,756782	3,680423	4,031125	3,751497	3,8051437	3,821015	0,01587133	1,011061905 Tmem190
17204717	3,982237	3,575826	3,332491	3,666104	3,715288	3,556778	3,6301847	3,646056667	0,015872	1,011062373 ---
17352835	8,018624	8,092276	8,094902	7,926018	8,278105	8,049296	8,0686007	8,084473	0,01587233	1,011062606 Ss18
17241013	8,636105	8,585046	8,689926	8,56104	8,747103	8,650589	8,6370257	8,652910667	0,015885	1,011071483 Ccdc109a
17383164	7,103032	7,515325	7,419501	7,435679	7,38035	7,269492	7,3459527	7,361840333	0,01588767	1,011073352 Med22
17427576	5,251477	4,667467	4,991998	4,838204	5,378393	4,742031	4,970314	4,986209333	0,01589533	1,011078725 ---
17229839	6,804225	7,106731	7,148664	7,077036	7,104322	6,925974	7,0198733	7,035777333	0,015904	1,011084799 Gm20101
17282486	5,468457	5,570888	5,758108	5,745391	5,59903	5,500761	5,599151	5,615060667	0,01590967	1,01108877 Fam161b
17531154	5,708741	5,921344	6,013301	6,017229	5,927647	5,746247	5,8811287	5,897041	0,01591233	1,011090639 Bsn
17424346	7,038743	6,74701	7,189827	7,084824	6,985463	6,953102	6,99186	7,007796333	0,01593633	1,011107459 Ccl19
17451785	6,407272	6,744983	6,751088	6,483891	6,647144	6,820141	6,6344477	6,650392	0,01594433	1,011113066 Tmem233
17420817	4,334091	4,223157	4,316246	4,460998	4,26954	4,190823	4,2911647	4,307120333	0,01595567	1,011121009 ---
17338355	5,405572	5,429874	5,642587	5,503499	5,653517	5,368926	5,4926777	5,508647333	0,01596967	1,011130821 ---
17429191	7,547787	7,353444	7,548632	7,497746	7,532688	7,467346	7,4832877	7,49926	0,01597233	1,01113269 Mpl
17207161	3,964656	4,38242	4,102439	4,427836	4,219946	3,849669	4,1498383	4,165817	0,01597867	1,011137129 ---
17523863	8,282269	8,380144	8,320733	8,284727	8,528265	8,218134	8,3277153	8,343708667	0,01599333	1,011147408 Birc3
17465407	6,521137	6,324633	6,264258	6,238578	6,435201	6,48432	6,3700093	6,386033	0,01602367	1,011168668 Kcp
17264330	5,036585	4,71641	4,624	4,700617	4,942173	4,782284	4,7923317	4,808358	0,01602633	1,011170537 Myh8 // Myh8
17276565	5,886775	5,834144	5,753684	5,630716	5,896093	5,9959	5,8248677	5,840903	0,01603533	1,011176845 Hspa2
17390792	5,613639	5,683969	5,825	5,837458	5,906686	5,426574	5,707536	5,723572667	0,01603667	1,01117778 Shf
17414108	3,317133	3,320191	3,499352	3,373419	3,413265	3,398154	3,378892	3,394946	0,016054	1,011189929 ---
17383353	8,98161	9,246702	9,268006	9,296141	9,280865	8,967484	9,1654393	9,181496667	0,01605733	1,011192265 Fcnb
17386210	4,865217	4,795066	4,771175	4,863898	4,789667	4,826074	4,810486	4,826546333	0,01606033	1,011194368 Lrp2
17337250	7,572535	7,807299	7,597701	7,639883	7,66444	7,721418	7,6591783	7,675247	0,01606867	1,011200209 Mdc1
17488924	6,396948	6,571115	6,527048	6,791915	6,417453	6,333998	6,4983703	6,514455333	0,016085	1,011211657 Zfp14
17239917	5,30988	5,921628	5,460084	5,514857	5,551783	5,673225	5,563864	5,579955	0,016091	1,011215863 Gm8709
17535319	8,495609	8,535533	8,364584	8,359531	8,710766	8,373714	8,465242	8,481337	0,016095	1,011218666 Mtmr1
17249355	5,545521	5,765285	6,036804	5,681037	5,753424	5,961482	5,7825367	5,798647667	0,016111	1,011229881 D930048N14Rik
17291085	3,84539	3,879694	4,189161	4,165556	4,004314	3,792737	3,971415	3,987535667	0,01612067	1,011236657 Vmn1r207-ps // Vmn1r206
17277758	3,881258	3,632195	4,166694	3,825386	4,046994	3,856143	3,8933823	3,909507667	0,01612533	1,011239928 ---
17421862	6,036259	5,736661	5,86159	5,982969	5,905103	5,794822	5,87817	5,894298	0,016128	1,011241797 ---
17469705	7,874079	7,657831	7,919082	7,825964	7,722647	7,950782	7,8169973	7,833131	0,01613367	1,011245769 Camk1
17200627	6,464836	6,976154	7,094722	7,075555	6,902721	6,605908	6,8452373	6,861394667	0,01615733	1,011262358 ---
17435095	7,808663	7,876263	7,761107	7,951351	7,786051	7,757132	7,8153443	7,831511333	0,016167	1,011269134 Fam185a
17508464	7,318059	7,419826	7,537766	7,639502	7,138862	7,545812	7,425217	7,441392	0,016175	1,011274742 4930444A02Rik
17417102	3,968683	3,95521	3,987626	4,015944	3,98332	3,960787	3,9705063	3,986683667	0,01617733	1,011276377 Gm12830
17227083	5,851845	5,771124	5,939786	5,847481	5,914193	5,849623	5,8542517	5,870432333	0,01618067	1,011278714 Fmod // Fmod
17341056	5,863341	5,728037	6,046893	6,05509	5,797052	5,8347	5,8794237	5,895614	0,01619033	1,01128549 ---
17256549	8,3913	8,352261	8,224964	8,354408	8,383078	8,279636	8,3228417	8,339040667	0,016199	1,011291565 Tubg1
17476349	5,702442	5,827499	5,601924	6,116261	5,551494	5,512748	5,7106217	5,726834333	0,01621267	1,011301145 AI428936
17507347	4,407124	4,455185	4,678356	4,460788	4,558189	4,570335	4,513555	4,529770667	0,01621567	1,011303248 Fam155a
17309161	8,589028	8,589028	8,594584	8,695894	8,611179	8,514225	8,59088	8,607099333	0,01621933	1,011305818 Fbxl3
17525653	6,346871	6,465799	6,426974	6,524905	6,39007	6,373477	6,4132147	6,429484	0,01626933	1,011340868 Spa17
17306991	3,344147	3,426267	3,230615	3,060651	3,620255	3,368938	3,3336763	3,349948	0,01627167	1,011342504 Gzmd

17433731	10,46013	10,47795	10,34591	10,34855	10,52618	10,45808	10,427997	10,44427	0,01627333	1,011343672	Rer1
17339991	8,336916	8,477073	8,307141	8,348694	8,446255	8,375018	8,37371	8,389989	0,016279	1,011347645	Eml4
17439285	6,203421	5,640659	5,528285	5,974602	5,596689	5,849925	5,7907883	5,807072	0,01628367	1,011350916	LOC100862180 // LOC100862166 // Gm7
17316480	8,633751	8,725986	8,725873	8,578456	8,756139	8,799921	8,6952033	8,711505333	0,016302	1,011363768	Rnf19a
17233068	8,079105	8,199102	8,035962	8,003876	8,211893	8,147314	8,104723	8,121027667	0,01630467	1,011365637	---
17248276	13,83698	13,83685	13,82368	13,81796	13,83285	13,89562	13,832503	13,84881	0,01630667	1,011367039	Hba-a2
17428133	4,145721	4,126493	4,033662	4,134538	4,27611	3,944169	4,1019587	4,118272333	0,01631367	1,011371947	Rab3b
17438716	3,900829	3,958694	3,675115	3,850783	3,820771	3,91203	3,8448793	3,861194667	0,01631533	1,011373115	4931407G18Rik
17360912	3,177664	3,105806	3,178805	3,062078	3,325808	3,123336	3,1540917	3,170407333	0,01631567	1,011373349	Gm6020 // Gm6020
17429976	9,056696	9,137613	9,041533	9,097479	9,020318	9,166992	9,078614	9,094929667	0,01631567	1,011373349	Thrap3
17309482	6,434102	6,719401	6,715856	6,614405	6,790713	6,513197	6,6231197	6,639438333	0,01631867	1,011375452	Uggt2
17290855	6,62389	6,725083	6,391825	6,597085	6,541371	6,651331	6,580266	6,596595667	0,01632967	1,011383163	Stard3nl
17348248	4,354263	4,646352	4,980965	5,131884	4,374249	4,524447	4,6605267	4,67686	0,01633333	1,011385734	---
17301342	8,871962	8,849043	8,809958	8,785818	8,90806	8,886116	8,8436543	8,859998	0,01634367	1,011392978	Ints9
17337373	3,76331	3,477159	4,203356	3,945943	4,045496	3,501426	3,8146083	3,830955	0,01634667	1,011395081	---
17273652	7,779782	7,823339	7,896699	7,884138	7,887565	7,777191	7,8332733	7,849631333	0,016358	1,011403026	Dnmt3a
17222817	3,795042	3,864975	3,792641	4,039082	3,766018	3,69664	3,8175527	3,833913333	0,01636067	1,011404895	---
17286324	4,053008	4,539455	4,531507	4,447687	4,352405	4,372982	4,3746567	4,391024667	0,016368	1,011410037	---
17292712	7,432163	7,42	7,426601	7,388925	7,503218	7,435749	7,4262547	7,442630667	0,016376	1,011415645	Nop16
17219308	5,34745	5,135879	5,547876	5,344279	5,287273	5,448791	5,343735	5,360114333	0,01637933	1,011417982	Pvrl4
17531804	3,540897	3,352743	3,519042	3,576596	3,365613	3,51964	3,470894	3,487283	0,016389	1,011424759	AU023762
17352229	10,4902	10,43131	10,4084	10,45107	10,49142	10,4366	10,443303	10,45969667	0,01639333	1,011427797	Cyb5
17376493	8,370111	8,219169	8,221997	8,250026	8,349277	8,261156	8,2704257	8,286819667	0,016394	1,011428264	Pank2
17507038	3,478401	3,285296	3,453628	3,416498	3,498617	3,351492	3,405775	3,422202333	0,01642733	1,011451633	1700008F21Rik
17513705	7,587004	7,63594	7,497447	7,605498	7,45327	7,710928	7,5734637	7,589898667	0,016435	1,011457008	Rnf166
17398372	4,110604	4,071392	3,892374	4,038469	4,006199	4,079026	4,02479	4,041231333	0,01644133	1,011461449	Gm17359
17538320	5,038849	4,970106	5,064312	4,860436	5,180589	5,081575	5,0244223	5,040866667	0,01644433	1,011463552	Pak3
17329847	4,896463	4,68559	4,948578	4,82637	4,975952	4,77766	4,8435437	4,859994	0,01645033	1,011467758	Osta
17424594	2,858962	3,057258	2,854487	3,089051	2,84121	2,889808	2,923569	2,940023	0,016454	1,011470329	---
17362539	4,331903	4,215966	4,195118	4,245806	4,287384	4,259197	4,2476623	4,264129	0,01646667	1,01147921	Scgb1a1
17237006	3,773323	3,448535	3,711096	3,675568	3,840849	3,465951	3,644318	3,660789333	0,01647133	1,011482482	Mgat4c
17258813	7,271564	7,426457	7,374374	7,386927	7,248068	7,486816	7,357465	7,373937	0,016472	1,011482949	Tmc8
17472308	4,423939	4,142575	4,276616	4,351874	4,494766	4,045927	4,2810433	4,297522333	0,016479	1,011487857	4922502N22Rik
17337477	4,641661	4,831091	4,770024	4,642687	4,84445	4,805103	4,747592	4,76408	0,016488	1,011494167	1700031A10Rik
17411591	4,326096	4,199199	4,321908	4,501803	4,357617	4,037251	4,282401	4,298890333	0,01648933	1,011495102	---
17411319	8,112522	8,188997	8,024895	8,000945	8,272914	8,10206	8,1088047	8,125306333	0,01650167	1,011503749	Rabggtb
17203431	4,876311	5,856918	5,955964	4,962104	6,306119	5,470481	5,5630643	5,579568	0,01650367	1,011505151	---
17298471	4,739075	4,586947	4,875964	4,704254	4,630048	4,917247	4,7339953	4,750516333	0,016521	1,011517304	---
17444137	6,352604	6,377727	6,370641	6,472326	6,53196	6,146271	6,3669907	6,383519	0,01652833	1,011522445	Amz1
17521171	6,309429	5,915493	6,068807	6,048728	6,190472	6,104125	6,0979097	6,114441667	0,016532	1,011525016	Tlr9
17460582	6,679787	8,291655	6,895082	6,229296	7,922961	7,76391	7,2888413	7,3053889	0,01654767	1,011536001	---
17204433	6,349873	6,216093	6,48059	6,038548	6,436709	6,620969	6,348852	6,365408667	0,01655667	1,011542311	---
17504861	9,540749	9,609339	9,464994	9,459282	9,585083	9,620397	9,5383607	9,554920667	0,01656	1,011544648	Ctcf
17498142	12,20421	12,16513	12,23308	12,3231	12,17357	12,15543	12,200807	12,21736667	0,01656	1,011544648	Igf2
17413832	7,107973	7,135533	7,088449	7,006808	7,263995	7,110861	7,1106517	7,127221333	0,01656967	1,011551426	Nans
17213270	4,826223	4,948619	5,115394	4,938594	4,986664	5,014688	4,963412	4,979982	0,01657	1,01155166	Gm973
17544828	4,424466	4,548182	4,162309	4,478776	4,311288	4,394607	4,378319	4,394890333	0,01657133	1,011552595	---
17360312	9,444322	9,370247	9,185592	9,279451	9,416447	9,354063	9,333387	9,349987	0,0166	1,011572695	Add3
17493137	3,61737	3,454921	3,495695	3,646151	3,503031	3,468626	3,522662	3,539269333	0,01660733	1,011577837	Olfr303
17419613	6,258797	6,116949	6,435405	6,278843	6,199741	6,382397	6,2703837	6,286993667	0,01661	1,011579706	1810019J16Rik
17404937	11,96479	11,91098	11,96169	11,96954	11,98382	11,93398	11,94582	11,96244667	0,01662667	1,011591393	---
17495027	3,782266	3,892831	4,058657	3,967006	3,87094	3,94573	3,9112513	3,927892	0,01664067	1,011601209	---
17423701	4,843487	4,700829	5,020207	4,924481	4,627416	5,062553	4,854841	4,871483333	0,01664233	1,011602378	Fut9
17380031	4,595662	4,747332	4,897558	4,798428	4,823217	4,668837	4,7468507	4,763494	0,01664333	1,011603079	1700040N02Rik
17471987	4,547792	4,678335	4,634549	4,599816	4,69467	4,616124	4,6202253	4,63687	0,01664467	1,011604014	---
17235018	5,790151	5,775906	5,852204	5,802467	5,890838	5,774891	5,806087	5,822732	0,016645	1,011604248	Cfd
17282780	5,224201	5,170013	5,21509	5,215057	5,411424	5,032767	5,2031013	5,219749333	0,016648	1,011606351	---
17284645	7,839393	7,808486	7,839397	8,059049	7,551288	7,926895	7,829092	7,845744	0,016652	1,011609156	---
17238295	9,085999	8,806263	8,722881	8,663978	8,868589	9,132535	8,8717143	8,888367333	0,016653	1,011609857	Gls2
17549508	5,875792	5,241968	6,08787	5,617812	5,822909	5,814896	5,73521	5,751872333	0,01666233	1,011616402	---
17246398	3,701447	3,705252	3,773398	3,862679	3,680968	3,686475	3,726699	3,743374	0,016675	1,011625284	Olfr769
17322482	9,622004	9,40103	9,524888	9,588782	9,48386	9,525334	9,515974	9,532658667	0,01668467	1,011632062	---
17549948	2,924145	2,931189	2,91084	3,066809	2,975922	2,773507	2,922058	2,938746	0,016688	1,011634399	---
17550592	8,9507	9,278141	8,729097	9,008249	9,003216	8,996545	8,9859793	9,00267	0,01669067	1,011636269	---
17420800	5,562851	5,542673	5,739202	5,635563	5,601199	5,658085	5,6149087	5,631615667	0,016707	1,011647722	Tas1r2
17416773	9,872874	9,978023	9,83529	9,900001	9,953378	9,882979	9,8953957	9,912119333	0,01672367	1,01165941	Nrd1
17392848	3,748278	3,637603	3,736568	3,909473	3,628257	3,634994	3,707483	3,724241333	0,01675833	1,011683719	Rad21l
17314230	2,973277	3,026927	3,029289	3,213446	3,019943	2,846433	3,009831	3,026607333	0,01677633	1,011696342	---
17460879	7,024101	7,010398	7,09319	7,177559	7,038058	6,962414	7,042563	7,059343667	0,01678067	1,01169938	Hdac11
17511096	9,290502	9,404082	9,456818	9,414806	9,398706	9,388241	9,3838007	9,400584333	0,01678367	1,011701484	D8Ertd738e
17462676	4,654671	4,598505	4,806184	4,608021	4,805739	4,695976	4,6864533	4,703245333	0,016792	1,011707328	Aicda
17248613	5,40618	5,499315	5,470383	5,474128	5,379784	5,572385	5,458626	5,475432333	0,01680633	1,011717379	C1qtnf2
17464102	3,847283	3,806373	3,575927	3,638461	3,958717	3,682882	3,7431943	3,76002	0,01682567	1,011730937	Iapp
17413436	5,574165	5,50644	5,678376	5,682181	5,488483	5,638803	5,586327	5,603155667	0,01682867	1,011733041	Tmem8b
17454919	8,842309	9,038435	8,97064	8,871017	9,040075	8,990799	8,9504613	8,967297	0,01683567	1,01173795	Ccz1
17277712	5,994749	5,762578	5,980258	6,003597	5,860222	5,92428	5,9125283	5,929366333	0,016838	1,011739587	Nrxn3
17483532	7,781832	8,159768	8,086929	7,929896	8,024702	8,124454	8,0095097	8,026350667	0,016841	1,01174169	Kat8
17207891	4,370683	4,012383	4,234387	4,538945	4,336947	3,792104	4,2058177	4,222665333	0,01684767	1,011746366	---
17438710	3,717389	3,822031	3,782972	3,744872	3,795786	3,832281	3,7741307	3,790979667	0,016849	1,011747301	2310003L06Rik
17477800	5,71937	5,65513	5,839353	5,764181	5,839182	5,661115	5,737951	5,754826	0,016875	1,011765534	Lhb
17381225	6,323885	6,527627	6,228373	6,326924	6,426664	6,376944	6,3599617	6,376844	0,01688233	1,011770677	Suv39h2
17414993	3,189906	2,953566	2,915207	3,046829	3,070472	2,992102	3,0195597	3,036467667	0,016908	1,011788678	---
17265319	10,82428	10,85865	10,84957	10,83938	10,8189	10,92498	10,844167	10,86108667	0,01692	1,011797094	Pfn1
17202269	8,424698	7,211653	7,307901	7,859568	7,67275	7,462715	7,648084	7,665011	0,016927	1,011802003	---
17395874	3,332828	3,271093	3,189911	3,280823	3,18109	3,382732	3,2646107	3,281548333	0,01693767	1,011809484	---
17263050	3,844466	3,837119	3,794974	3,878844	4,00091	3,647647	3,8255197	3,842467	0,01694733	1,011816263	---
17218733	5,990956	5,848755	6,129069	6,013036	6,126469	5,880163	5,9895933	6,006556	0,01696267	1,011827017	Dnm3 // Dnm3
17221533	3,977186	4,171176	4,01568	3,952445	3,973175	4,289341	4,0546807	4,071653667	0,016973	1,011834264	Defb18
17348460	7,721891	8,27394	8,00307	8,098168	7,288371	8,663294	7,9996337	8,016611	0,01697733	1,011837304	---
17223848	3,998504	3,957476	4,017662	3,782855	4,098194	4,143593	3,991214	4,008214	0,017	1,011853201	Cryga
17291568	3,288699	3,298781	3,267022	3,500944	3,205685	3,198928	3,284834	3,301852333	0,01701833	1,011866059	---
17201245	5,630927	5,985893	6,022302	5,041195	6,222194	6,426797	5,8797073	5,896728667	0,01702133	1,011868164	---
17429514	3,59444	3,719805	3,968734	3,716343	4,007539	3,610168	3,760993	3,778016667	0,01702367	1,0118698	Mir30e
17448415	7,704336	7,624639	7,537584	7,734271	7,644116	7,539248	7,6221863	7,639211667	0,01702533	1,011870969	Apbb2
17278836	4,94992	5,229295	4,973078	5,198619	4,963707	5,041049	5,0507643	5,067791667	0,01702733	1,011872372	Mir654
17366856	6,779049	6,82515	6,762852	6,799698	6,785504	6,832949	6,789017	6,806050333	0,01703333	1,01187658	Mir466b-2 // Mir466b-2
17206385	5,254309	5,510155	5,529166	5,383611	5,604424	5,356698	5,43121	5,448244333	0,01703433	1,011877281	---
17353256	9,474181	9,479329	9,358292	9,348929	9,372261	9,641717	9,4372673	9,454302333	0,017035	1,011877749	---
17532724	3,265326	3,254237	3,383934	3,406487	3,395023	3,153102	3,3011657	3,318204	0,01703833	1,011880087	Gm3763
17495271	10,80231	10,81346	10,81595	10,87251	10,90826	10,70211	10,810573	10,82762667	0,01705333	1,011890608	Copb1
17550799	3,776002	3,645684	3,581428	3,666512	3,774762	3,613038	3,6677047	3,684770667	0,017066	1,011899492	---
17442609	4,501777	4,473251	4,655245	4,375025	4,664193	4,642284	4,5434243	4,560500667	0,01707633	1,01190674	Dnahc10
17535915	7,429398	6,731504	7,278102	7,379505	7,029698	7,081051	7,1463347	7,163418	0,01708333	1,01191165	Gm5936
17259831	7,128317	7,256225	7,194577	7,152757	7,30196	7,175705	7,1930397	7,210140667	0,017101	1,011924041	Smtn
17329533	4,248298	4,407787	4,596155	4,601699	4,428765	4,273107	4,4174133	4,434523667	0,01711033	1,011930588	Atp13a5
17432967	7,759715	7,841361	7,770906	7,730105	7,887945	7,805272	7,7906607	7,807774	0,01711333	1,011932692	Ubiad1
17322475	6,525996	6,570137	6,888736	6,57686	6,853971	6,605394	6,661623	6,678741667	0,01711867	1,011936433	---
17375694	6,551498	6,776941	6,719707	6,551519	6,990853	6,557163	6,6827153	6,699845	0,01712967	1,011944149	Dtwd1
17230651	8,458783	8,384497	8,358196	8,407561	8,467877	8,377466	8,400492	8,417634667	0,01714267	1,011953267	Brox
17227221	5,251017	5,39215	5,594179	5,385216	5,575136	5,328444	5,4124487	5,429586667	0,01715	1,011958411	Ptprv
17239234	4,604554	4,752747	4,75572	4,677894	4,657419	4,829187	4,7043403	4,7215	0,01715967	1,011965192	Grm1
17528229	10,28245	10,31547	10,2268	10,3038	10,26902	10,30338	10,274907	10,29206667	0,01716	1,011965425	Ptpdc1
17548953	3,442716	3,793326	3,556314	3,663308	3,633551	3,546982	3,597452	3,614613667	0,01716167	1,011966594	Lypla1 // Lypla1
17476364	8,815825	8,701287	8,702667	8,332245	9,107347	8,831675	8,7399263	8,757089	0,01716267	1,011967296	Tyrobp
17265340	7,076845	6,7127	6,946746	7,024664	6,924429	6,83869	6,912097	6,929261	0,017164	1,011968231	Camta2
17245370	5,030754	4,860448	4,976235	5,155111	4,937767	4,826055	4,9558123	4,972977667	0,01716533	1,011969166	4930564G21Rik
17210627	4,241581	4,028884	3,924344	3,975411	4,220253	4,050643	4,0649363	4,082102333	0,017166	1,011969634	---
17466360	10,04291	10,2748	10,3531	10,18612	10,24117	10,29504	10,223603	10,24077667	0,01717333	1,011974778	Kel
17200931	5,633083	5,619232	5,58551	5,926963	5,882277	5,08011	5,6126083	5,629783333	0,017175	1,011975947	---
17209131	8,207623	8,067036	8,590047	8,566412	8,4927	7,857165	8,2882353	8,305425667	0,01719033	1,011986703	---
17219011	5,328134	5,563674	5,497527	5,592741	5,502647	5,345586	5,4631117	5,480324667	0,017213	1,012002602	Pou2f1 // Pou2f1
17369379	5,807193	5,697481	5,830224	5,754265	5,872369	5,759911	5,7782993	5,795515	0,01721567	1,012004473	---
17201601	4,195139	4,290949	4,425542	4,68424	4,117779	4,161273	4,3038767	4,321097333	0,01722067	1,01200798	---
17316545	9,386679	9,272853	9,358831	9,333776	9,336991	9,399283	9,3394543	9,356683333	0,017229	1,012013826	Ywhaz
17505648	9,209801	9,192441	9,034798	9,107386	9,183794	9,197583	9,14568	9,162921	0,017241	1,012022244	Cog4
17455234	7,964909	8,03306	7,906427	7,945876	7,892408	8,117855	7,968132	7,985379667	0,01724767	1,01202692	Rnf6
17528019	5,58722	6,131344	5,891891	5,842746	5,89149	5,928034	5,8701517	5,887423333	0,01727167	1,012043756	Gm10653
17410729	3,980861	4,117676	3,816859	4,000248	4,104472	3,862523	3,9717987	3,989081	0,01728233	1,012051239	Bmpr1b
17443380	7,861845	7,652097	7,950741	7,814404	7,860523	7,841608	7,821561	7,838845	0,017284	1,012052408	Upk3b
17422949	6,775528	6,899959	6,599556	6,686137	6,653442	6,987347	6,7583477	6,775642	0,01729433	1,012059657	---
17439609	5,632125	5,535324	5,899109	5,875762	5,638856	5,603881	5,6888527	5,706166333	0,01731367	1,012073219	Mrps18c
17264159	5,79951	5,586327	5,707976	5,702299	5,865458	5,578044	5,6979377	5,715267	0,01732933	1,01208421	Myocd
17321761	8,46447	8,51438	8,322839	8,487114	8,490203	8,376362	8,4338963	8,451226333	0,01733	1,012084677	Smagp
17297459	5,757701	6,257365	5,972912	6,06512	6,074514	5,900354	5,9959927	6,013329333	0,01733667	1,012089354	2810402E24Rik

17339910	9,560386	9,505037	9,319345	9,570936	9,242705	9,623142	9,4615893	9,478927667	0,01733833	1,012090523	Galm
17331260	3,462799	3,392376	3,69458	3,795211	3,445875	3,360684	3,516585	3,533923333	0,01733833	1,012090523	Olfr198
17299860	5,80283	5,485172	5,781416	5,897518	5,473951	5,75001	5,689806	5,707159667	0,01735367	1,01210128	---
17299937	5,80283	5,485172	5,781416	5,897518	5,473951	5,75001	5,689806	5,707159667	0,01735367	1,01210128	---
17228703	3,401975	3,488371	3,202703	3,339615	3,481162	3,324335	3,3643497	3,381704	0,01735433	1,012101748	---
17323209	7,580537	7,729133	7,577106	7,596669	7,761696	7,580519	7,6289253	7,646294667	0,01736933	1,012112271	Prkdc
17415181	8,98604	8,979773	8,926457	9,037914	9,043341	8,863124	8,96409	8,981459667	0,01736967	1,012112505	Dennd4c
17326565	4,542643	4,133427	4,237728	4,334997	4,230873	4,400041	4,3045993	4,321970333	0,017371	1,01211344	---
17354757	4,880782	4,740219	4,801236	4,797804	4,726097	4,95045	4,8074123	4,824783667	0,01737133	1,012113674	---
17439741	8,745689	8,700705	8,578443	8,649657	8,702113	8,725253	8,6749457	8,692341	0,01739533	1,012130511	Aff1
17372108	7,029007	6,98988	6,904755	6,874678	7,022153	7,079002	6,9745473	6,991944333	0,017397	1,012131681	---
17313677	7,022232	7,131194	7,165621	7,29293	6,936385	7,141941	7,106349	7,123752	0,017403	1,01213589	Pnpla3
17521233	6,559636	6,668091	6,996023	6,689369	6,795822	6,790814	6,74125	6,758668333	0,01741833	1,012146647	Rrp9
17363405	5,107807	5,184241	5,062791	5,199988	4,96549	5,24165	5,1182797	5,135709333	0,01742967	1,012154598	---
17323332	8,121653	7,972848	8,193598	8,043336	8,04882	8,248261	8,096033	8,113472333	0,01743933	1,01216138	Top3b
17309682	5,422638	5,331057	5,37514	5,294622	5,493216	5,393327	5,3762783	5,393721667	0,01744333	1,012164186	2610035F20Rik
17201093	7,778516	8,080119	7,523127	7,671546	7,74097	8,021578	7,7939207	7,811364667	0,017444	1,012164654	---
17391422	9,315585	9,38215	9,310658	9,350794	9,385822	9,324117	9,336131	9,353577667	0,01744667	1,012166525	Anapc1
17392880	6,379377	6,112771	6,138626	6,276695	6,192161	6,214339	6,210258	6,227731667	0,01747367	1,012185468	4930556L07Rik
17424057	8,722257	8,694595	8,667329	8,618778	8,727026	8,790849	8,694727	8,712217667	0,01749067	1,012197395	Smu1
17427389	7,969788	8,050501	7,625338	7,596871	7,990363	8,110902	7,8818757	7,899378667	0,017503	1,012206048	Cyp2j6
17383886	6,948615	7,21203	7,126672	6,969594	7,150092	7,22017	7,0957723	7,113285333	0,017513	1,012213064	1110008P14Rik
17295266	9,287283	9,205375	9,309937	9,390165	9,288116	9,176886	9,2675317	9,285055667	0,017524	1,012220782	Plp2
17504399	9,600056	9,665299	9,45671	9,585293	9,58116	9,608227	9,5740217	9,59156	0,01753833	1,012230839	Cdh5
17551113	9,749769	9,761102	9,665664	9,630975	9,645212	9,952986	9,7255117	9,743057667	0,017546	1,012236218	---
17427474	3,671464	3,483171	3,581753	3,284512	3,954074	3,55047	3,578796	3,596352	0,017556	1,012243234	---
17484105	10,34645	10,41347	10,27489	10,28022	10,44366	10,36361	10,344937	10,36249667	0,01756	1,012246041	---
17200691	8,235733	8,028414	8,195311	8,556619	8,338248	7,617353	8,1531527	8,17074	0,01758733	1,012265219	---
17358719	3,076507	2,99951	3,137921	3,203195	3,070854	2,992667	3,0713127	3,088905333	0,01759267	1,012268961	Mir3970 // Mir3970
17301245	6,440831	6,571435	6,434134	6,648971	6,741797	6,108444	6,4821333	6,499737333	0,017604	1,012276913	Mir598
17493668	11,17601	11,35507	11,56726	11,48942	11,37946	11,28228	11,366113	11,38372	0,01760667	1,012278784	Rps3
17307950	5,630125	5,582282	5,316695	5,562415	5,432682	5,586849	5,5097007	5,527315333	0,01761467	1,012284397	Gm6878
17549532	5,632039	5,648733	5,570076	5,642931	5,46663	5,794152	5,6169493	5,634571	0,01762167	1,012289309	---
17381071	4,129498	3,987272	4,140282	4,252261	4,234726	3,823017	4,085684	4,103334667	0,01765067	1,012309658	Znf512b
17326318	6,562109	6,591512	6,640268	6,498788	6,695926	6,652139	6,597963	6,615617667	0,01765467	1,012312464	Abi3bp
17220861	8,455832	8,238497	8,244344	8,249477	8,310906	8,431293	8,312891	8,330558667	0,01766767	1,012321586	Slc30a1
17313836	9,882119	9,750378	9,752126	9,763062	9,829589	9,844984	9,7948743	9,812545	0,01767067	1,012323691	Atxn10
17216998	7,812454	7,751727	7,610636	7,858563	7,647939	7,721339	7,724939	7,742613667	0,01767467	1,012326498	Eif2d
17488463	7,403307	7,644038	7,561168	7,537221	7,574366	7,54996	7,536171	7,553849	0,017678	1,012328837	Med29
17523352	6,249421	6,131617	6,347972	6,406096	6,084348	6,291646	6,2430033	6,260696667	0,01769333	1,012339596	Zfp651
17203455	3,293062	3,598666	3,502742	3,15416	3,509338	3,78409	3,4648233	3,482529333	0,017706	1,012348485	---
17330692	6,361533	6,433403	6,209083	6,296507	6,382568	6,378113	6,334673	6,352396	0,017723	1,012360414	Abhd10
17439215	5,198428	4,571029	4,485915	5,066004	4,646357	4,596183	4,7517907	4,769514667	0,01772424	1,012361115	C87414 // C87414
17439337	5,198428	4,571029	4,485915	5,066004	4,646357	4,596183	4,7517907	4,769514667	0,01772424	1,012361115	C87414 // C87414
17202413	6,33384	6,549064	6,369598	6,634522	6,407764	6,263406	6,4175007	6,435230667	0,01773	1,012365326	---
17320337	8,860359	8,914725	8,75629	8,903833	8,86824	8,812492	8,8437913	8,861521667	0,01773033	1,01236556	Plxnb2
17496973	8,283514	8,305822	8,260292	8,326065	8,293497	8,283309	8,2832093	8,300957	0,01774767	1,012377723	Ate1
17295295	4,653105	4,566852	4,7177	4,710582	4,57917	4,701173	4,6458857	4,663641667	0,017756	1,012383571	5330416C01Rik
17490160	6,266708	6,181567	6,061189	6,220605	6,175155	6,166979	6,1698213	6,187579667	0,01775833	1,012385208	Siglece
17361276	7,398712	7,555416	7,175143	7,329659	7,460016	7,392894	7,3764237	7,394189667	0,017766	1,012390588	Rhod
17227309	3,975755	3,724097	3,810958	3,71133	3,801474	4,051312	3,8369367	3,854705333	0,01776867	1,012392459	---
17532601	13,43059	13,42068	13,36089	13,31715	13,41224	13,53608	13,404053	13,42182333	0,01777	1,012393395	---
17288324	3,840816	3,858007	3,931144	4,016018	4,035938	3,631353	3,8766557	3,894436333	0,01778067	1,01240088	9430065F17Rik
17253570	8,501268	8,54203	8,56037	8,432132	8,555811	8,669078	8,534556	8,552340333	0,01778433	1,012403453	Spag5
17210587	5,704705	7,155039	5,164009	5,92822	5,805723	6,343218	6,0079177	6,025720333	0,01780267	1,012416319	---
17326367	3,453524	3,161073	3,270892	3,240646	3,420531	3,277743	3,295163	3,312973333	0,01781033	1,012421699	---
17381533	5,934501	5,744248	6,080661	5,988547	5,952045	5,872282	5,9198033	5,937624667	0,01782133	1,012429418	Gata3
17549592	4,006714	4,190086	3,870653	4,067324	4,012722	4,040884	4,0224843	4,04031	0,01782567	1,012432459	---
17344064	12,17757	12,21282	12,15322	12,18	12,24103	12,17608	12,181203	12,19903667	0,01783333	1,012437839	Cfb
17353153	6,323268	6,547064	6,38871	6,423566	6,3927	6,496378	6,4196807	6,437548	0,01786733	1,0124617	Slc39a6
17371495	7,608574	7,458244	7,691534	7,801655	7,524468	7,485839	7,5861173	7,603987333	0,01787	1,012463571	Klhl23
17549822	5,66634	5,593063	5,505703	5,616842	5,47992	5,721962	5,5883687	5,606241333	0,01787267	1,012465442	---
17414787	4,659802	4,740494	4,76262	4,804269	4,733694	4,678657	4,720972	4,738873333	0,01790133	1,012485561	---
17354831	5,235878	5,365308	5,292514	5,254631	5,367658	5,325133	5,2979	5,315807333	0,01790733	1,012489771	Ablim3
17499117	6,805523	7,078592	6,803635	6,916901	7,026145	6,798508	6,8959167	6,913851333	0,01793467	1,012508954	Atp11a
17299913	3,285994	3,243378	3,427551	3,335372	3,376694	3,298685	3,3189743	3,336917	0,01794267	1,012514569	Trav14d-3-dv8 // Trav14d-3-dv8
17290093	4,103771	4,035942	4,083321	4,22068	3,991688	4,064501	4,0743447	4,092289667	0,017945	1,012516206	Hcn1
17394079	5,190248	5,319595	5,315205	5,332085	5,34478	5,202127	5,275016	5,292997333	0,01798133	1,012541706	Rims4
17240985	5,218357	5,110398	5,259768	5,317584	5,168213	5,156683	5,1961743	5,21416	0,01798567	1,012544748	---
17412640	5,827073	5,624418	5,60674	5,850011	5,515276	5,746904	5,686077	5,704063667	0,01798667	1,012545449	---
17476097	6,713951	6,275265	6,635701	6,764422	6,307243	6,607245	6,541639	6,559636667	0,01799767	1,01255317	Ggn
17201687	4,381732	4,261424	5,184167	4,259771	5,544922	4,076634	4,6091077	4,627109	0,01800133	1,012555743	---
17451179	4,203758	4,073899	4,636836	4,283535	4,526697	4,158281	4,304831	4,322837667	0,01800667	1,012559486	E130006D01Rik
17259531	5,614246	5,523152	5,705704	5,584886	5,657664	5,654633	5,6143673	5,632394333	0,018027	1,012573757	---
17423386	4,66586	4,474063	4,378992	4,485995	4,541836	4,545177	4,506305	4,524336	0,018031	1,012576565	D930021N14
17453545	5,500214	5,35876	5,711815	5,498858	5,501479	5,624545	5,5235963	5,541627333	0,018031	1,012576565	Fkbp6
17405380	8,018621	8,234127	8,153766	8,165993	8,175678	8,118944	8,1355047	8,153538333	0,01803367	1,012578437	Commd2
17396604	6,596925	6,461915	6,593575	6,48927	6,833166	6,384089	6,550805	6,568841667	0,01803667	1,012580542	Gpr160
17449725	5,860896	5,811069	5,985796	5,831111	6,070581	5,810212	5,8859203	5,903968	0,01804767	1,012588263	Cxcl11
17367880	5,571886	5,808076	5,889485	5,55876	5,844554	5,920318	5,7564823	5,774544	0,01806167	1,012598089	Tprn
17541559	4,213943	4,051163	4,13738	4,42353	4,032069	4,001089	4,134162	4,152229333	0,01806733	1,012602066	Olfr1322
17380044	6,744369	6,481873	6,423517	6,599847	6,508989	6,59514	6,5499197	6,567992	0,01807233	1,012605576	Gm16796
17262055	5,40731	5,359949	5,582176	5,452429	5,408132	5,543133	5,4498117	5,467898	0,01808633	1,012615402	Nipal4
17311343	9,451622	9,32452	9,285085	9,378158	9,393311	9,34403	9,3537423	9,371833	0,01809067	1,012618444	Eny2
17516558	9,882865	9,721827	9,838107	9,811152	9,82141	9,86452	9,8142663	9,832360667	0,01809433	1,012621017	H2afx
17513135	6,664937	6,44645	6,745026	6,522254	6,605141	6,783315	6,6188043	6,636903333	0,018099	1,012624293	Ldhd
17508949	9,363483	9,520798	9,383896	9,359266	9,50347	9,459764	9,4227257	9,440833333	0,01810767	1,012630376	Asah1
17335456	4,645023	4,728918	4,648509	4,621289	4,75691	4,698577	4,67415	4,692258667	0,01810867	1,012631078	---
17326266	7,923187	8,011324	7,879317	7,91007	7,940206	8,017915	7,9379427	7,956063667	0,018121	1,012639735	Senp7
17473519	5,278106	5,201901	5,232678	5,300447	5,30653	5,160095	5,2375617	5,255690667	0,018129	1,01264535	Vmn1r62
17498542	5,278106	5,201901	5,232678	5,300447	5,30653	5,160095	5,2375617	5,255690667	0,018129	1,01264535	Vmn1r62
17278012	8,918402	8,946342	8,822442	8,869455	8,928208	8,943968	8,8957287	8,913877	0,01814833	1,01265892	Cpsf2
17395359	9,194931	9,368982	9,376251	9,407244	9,295912	9,291464	9,313388	9,33154	0,018152	1,012661494	Gm6710 // Gm6710
17372747	5,008161	4,565639	4,99923	5,026082	4,733298	4,868138	4,8576767	4,875839333	0,01816267	1,012668981	Olfr998
17508980	3,608162	3,319538	3,548301	3,399389	3,571067	3,560037	3,4920003	3,510164333	0,018164	1,012669917	Zfp353 // Zfp353
17422394	5,401875	5,316321	5,45149	5,432614	5,431525	5,360049	5,3898953	5,408062667	0,01816733	1,012672257	---
17407926	7,607467	7,899492	7,879708	7,847201	7,753305	7,840704	7,7955557	7,813736667	0,018181	1,01268185	Mrps21
17213806	3,383028	3,268159	3,404446	3,497823	3,298139	3,31422	3,3518777	3,370060667	0,018183	1,012683254	---
17300321	5,627485	5,696275	5,819627	5,638336	5,827105	5,732498	5,7144623	5,732646333	0,018184	1,012683956	4930579G18Rik
17472235	6,420602	6,459657	6,342943	6,450805	6,386762	6,440202	6,407734	6,425923	0,018189	1,012687466	Eps8
17352593	3,594941	3,498784	3,532887	3,455462	3,681293	3,544504	3,542204	3,560419667	0,01821567	1,012706184	Cetn1
17340215	5,302494	5,295759	5,138297	5,20014	5,244383	5,346737	5,2455167	5,263753333	0,01823667	1,012720925	Tmem247
17330863	3,902901	4,041369	4,132155	3,97683	4,077959	4,076382	4,025475	4,043723667	0,01824867	1,012729349	Gm4802
17394366	5,324041	5,402939	5,769978	5,698352	5,590751	5,262606	5,498986	5,517236333	0,01825033	1,012730519	Cdh22
17472210	8,775883	8,822475	8,735087	8,849581	8,853024	8,685604	8,777815	8,796069667	0,01825467	1,012733561	Arhgdib
17235489	5,746618	5,518136	5,541217	5,755759	5,52724	5,577795	5,6019903	5,620264667	0,01827433	1,012747366	Tmprss9
17376183	7,635224	7,759442	7,790686	7,756339	7,701765	7,782102	7,7284507	7,746735333	0,01828467	1,01275462	Stk35
17209979	5,456983	5,793348	6,524387	6,128417	5,488654	6,212614	5,924906	5,943228333	0,01832233	1,012781062	---
17527923	5,166802	5,119685	5,382131	5,073964	5,469804	5,179833	5,2228727	5,241200333	0,01832767	1,01284806	---
17418367	6,247229	6,084767	6,371017	6,272879	6,40872	6,076453	6,2343543	6,252684	0,01832967	1,01278621	Epha10
17475975	11,57331	11,45741	11,61311	11,64146	11,5821	11,47529	11,547943	11,56628333	0,01834	1,012793464	Ech1
17233194	5,65387	5,460083	5,244264	5,268459	5,734499	5,410297	5,452739	5,471085	0,018346	1,012797676	Sim1
17501950	8,846726	8,771024	8,959653	8,848106	8,922993	8,861386	8,8591343	8,877495	0,01836067	1,012807973	Fkbp8
17294803	5,453886	5,30228	5,178811	5,216949	5,328808	5,444305	5,311659	5,330020667	0,01836167	1,012808675	---
17327069	9,812005	9,777251	9,800718	9,776394	9,785055	9,883636	9,796658	9,815028333	0,01837033	1,012814759	Ifnar1
17522779	9,007284	9,041262	8,931693	8,94656	9,098069	8,990843	8,993413	9,011824	0,018411	1,012843309	Cmtm6
17502071	5,365411	5,293006	5,467115	5,593584	5,242803	5,34441	5,3751773	5,393599	0,01842167	1,012850797	---
17373283	7,022769	6,970883	6,970424	7,066603	6,87418	7,078563	6,9880253	7,006448667	0,01842333	1,012851967	Lrp4
17208827	5,471723	6,062566	5,536	5,764378	5,533167	5,82809	5,6900963	5,708545	0,01844867	1,012869753	---
17348703	3,407842	3,206395	3,285153	3,474435	3,2913	3,189058	3,2997967	3,318264333	0,01846767	1,012883092	---
17241038	8,85437	8,960068	8,920469	8,930078	8,95012	8,910135	8,9116357	8,930111	0,01847533	1,012888475	Anapc16
17425151	7,28177	7,430402	7,368774	7,436449	7,336219	7,363716	7,3603153	7,378794667	0,01847933	1,012891283	Alg2
17395251	11,31586	11,40192	11,43547	11,46988	11,31498	11,42389	11,384417	11,40291667	0,0185	1,012905793	100043387 // 100043387
17538821	8,495609	8,379473	7,83724	8,167527	8,506559	8,093753	8,2374407	8,255946333	0,01850567	1,012909771	---
17429674	5,975963	5,281857	5,336096	5,622025	5,506564	5,520851	5,5313053	5,549813333	0,018508	1,01291141	Bmp8a
17529708	6,653101	6,78851	6,636134	6,527539	6,886721	6,719047	6,6925817	6,711102333	0,01852067	1,012920303	Chst2
17244545	3,693986	3,521957	3,45958	3,534641	3,652933	3,543518	3,5585077	3,577030667	0,018523	1,012921941	Gm8633
17219199	6,818912	7,489654	6,338256	6,936332	7,05998	6,706113	6,882274	6,900808333	0,01853433	1,012929898	Fcgr4
17262464	5,652634	5,373208	5,862906	5,582468	5,751441	5,610449	5,6295827	5,648119333	0,01853667	1,012931537	5133400J02Rik
17249918	7,43281	7,447914	7,378593	7,348262	7,381725	7,585018	7,4197723	7,438335	0,01856267	1,012949792	Sap30l
17275768	4,007725	3,420267	3,855431	3,773383	3,982878	3,582875	3,761141	3,779712	0,018571	1,012955643	---
17549952	3,411202	3,337069	3,366021	3,35919	3,370712	3,440154	3,3714307	3,390018667	0,018588	1,012967579	---
17526881	5,520145	5,222495	5,35699	5,307528	5,360087	5,487825	5,3665433	5,385146667	0,01860333	1,012978345	Dixdc1
17207967	5,586709	5,149125	5,989813	5,229603	5,617331	5,934524	5,5752157	5,593819333	0,01860367	1,012978579	---

17394275	7,417545	7,431131	7,279181	7,604418	7,280981	7,298283	7,3759523	7,394560667	0,01860833	1,012981856	Acot8
17519699	3,683323	3,539765	3,632219	3,662855	3,678479	3,569812	3,6184357	3,637048667	0,018613	1,012985133	Ddx43
17511996	7,355149	7,252949	7,362199	7,207308	7,333861	7,484991	7,3234323	7,342053333	0,018621	1,01299075	Zfp319
17491493	3,910136	4,213242	3,680306	3,609703	4,229929	4,019926	3,9345613	3,953186	0,01862467	1,012993324	---
17425095	5,384516	5,52215	5,383126	5,409314	5,546692	5,389724	5,4299307	5,448576667	0,018646	1,013008304	Gabbr2
17332804	6,225373	6,17138	6,057782	6,177109	6,180781	6,152637	6,1515117	6,170175667	0,018664	1,013020943	Synj2
17506081	10,01566	9,841746	9,858866	9,87774	9,999571	9,8951	9,905424	9,924137	0,018713	1,01305535	Osgin1
17375100	8,290612	8,40971	8,289453	8,33508	8,41342	8,297465	8,329925	8,348655	0,01873	1,013067287	Haus2
17512809	12,66375	13,03514	12,7987	12,80108	12,89328	12,85942	12,83253	12,85126	0,01873	1,013067287	Hp
17355670	6,404842	6,350408	6,211982	6,29258	6,347501	6,383396	6,3224107	6,341159	0,01874833	1,013080161	Nfatc1
17470930	7,18995	7,161479	7,216616	7,196865	7,229506	7,197926	7,1893483	7,208099	0,01875067	1,013081799	Leprel2
17478435	3,902547	3,921032	3,887291	4,142759	3,882697	3,741717	3,9036233	3,922391	0,01876767	1,013093737	Ano5
17341836	6,346176	6,112313	6,150321	5,978632	6,459413	6,227093	6,2029367	6,221712667	0,018776	1,013099589	D330041H03Rik
17326075	10,38686	10,59036	9,946755	10,3317	10,48619	10,16242	10,307992	10,32677	0,01877833	1,013101228	Retnlg
17202933	4,188418	4,546615	4,417368	4,561078	4,202688	4,444973	4,3841337	4,402913	0,01877933	1,01310193	---
17281274	3,882584	3,447531	3,731333	3,719822	3,594682	3,80334	3,6871493	3,705948	0,01879867	1,013115506	---
17298991	3,47388	3,339376	3,099909	3,593321	3,03905	3,337198	3,3043883	3,323189667	0,01880133	1,013117379	---
17484282	7,261961	7,430487	7,079226	7,168721	7,352147	7,307218	7,2572247	7,276028667	0,018804	1,013119252	Glrx3
17414969	5,670955	5,941	5,621364	5,716997	5,481399	6,091394	5,7444397	5,763263333	0,01882367	1,013133062	---
17513550	5,715068	5,674361	5,726139	5,715713	5,665073	5,791281	5,7051893	5,724022333	0,018833	1,013139617	1110050K14Rik
17535987	4,262419	4,197916	3,896097	3,989012	4,380443	4,043518	4,1188107	4,137657667	0,018847	1,013149448	---
17362014	5,033404	5,388572	5,441073	5,126034	5,289089	5,504481	5,287683	5,306534667	0,01885167	1,013152726	---
17331767	6,897635	7,008831	6,624401	6,676464	7,008792	6,902177	6,8436223	6,862477667	0,01885533	1,013155301	Rwdd2b
17368896	8,254125	8,274376	8,278713	8,261426	8,398421	8,204017	8,2690713	8,287954667	0,01888333	1,013174964	Coq4
17372662	10,14052	10,2028	10,76845	10,3315	10,46822	10,3687	10,37059	10,38947333	0,01888333	1,013174964	Prg2
17252523	7,621184	7,441849	7,576088	7,46067	7,64258	7,592536	7,5463737	7,565262	0,01888833	1,013178476	P2rx1
17548865	7,11226	7,268443	7,342354	7,105	7,302241	7,372493	7,241019	7,259911333	0,01889233	1,013181285	---
17427557	4,61661	4,215581	4,634469	4,551793	4,822228	4,149317	4,4888867	4,507779333	0,01889267	1,013181519	---
17383819	5,750375	5,823485	5,928451	5,831187	5,79664	5,931273	5,8341037	5,853033333	0,01892967	1,013207504	Fam78a
17533289	6,519338	6,539927	6,51867	6,541318	6,552024	6,541412	6,5259783	6,544918	0,01893967	1,013214527	Gm14475 // Gm14478 // Gm14482 // Gı
17366886	8,225819	7,914148	8,13631	8,430487	7,992433	7,910186	8,0920923	8,111035333	0,018943	1,013216868	Mir467e // Mir467e
17545159	7,438111	7,609407	7,520507	7,544701	7,570701	7,509456	7,522675	7,541619333	0,01894433	1,013217804	Amot
17308165	4,424357	4,484643	4,532596	4,489213	4,382457	4,62677	4,480532	4,49948	0,018948	1,013220379	---
17389105	4,926051	5,093934	5,021415	5,028761	5,016691	5,052799	5,0138	5,032750333	0,01895033	1,013222018	Fshb
17361153	6,550736	6,624517	6,984769	6,810012	6,833166	6,573699	6,7200073	6,738959	0,01895167	1,013222954	Tbc1d10c
17327218	4,755561	4,604475	4,687933	4,718432	4,794019	4,592381	4,6826563	4,701610667	0,01895433	1,013224827	Kcne2
17537607	7,303042	7,357791	7,560565	7,408963	7,31329	7,556015	7,4071327	7,426089333	0,01895667	1,013226466	Cstf2
17439995	4,657463	3,95015	4,232983	4,630707	4,22924	4,037538	4,2801987	4,299161667	0,018963	1,013230914	---
17262812	3,856642	3,866995	3,885714	4,018157	3,85051	3,797574	3,8697837	3,888747	0,01896333	1,013231148	4933405E24Rik
17254053	6,332341	6,334308	6,216939	6,206193	6,293779	6,440543	6,2945293	6,313505	0,01897567	1,01323981	Ccl11
17474389	7,325969	7,185727	7,411621	7,139429	7,516917	7,3239	7,3077723	7,326748667	0,01897633	1,013240278	Mypop
17295196	5,435761	5,551797	5,627572	5,63757	5,451785	5,582808	5,5383767	5,557387667	0,019011	1,013264626	Ankdd1b
17469719	6,787057	6,928319	6,854735	6,897104	6,819588	6,910456	6,8567037	6,875716	0,01901233	1,013265562	Tada3
17396966	6,9112	7,116467	6,903467	7,018771	7,066357	6,903075	6,9770447	6,996067667	0,019023	1,013273054	D3Ertd254e
17500988	4,125802	3,997443	4,424402	4,220496	4,011912	4,37238	4,182549	4,201596	0,019047	1,01328991	---
17317042	3,449838	3,624569	3,553227	3,578021	3,711307	3,395447	3,5425447	3,561591667	0,019047	1,01328991	---
17418850	4,419431	4,45577	4,462816	4,533548	4,418523	4,443093	4,4460057	4,465054667	0,019049	1,013291315	---
17288585	8,130575	8,042063	8,202868	7,988207	8,111019	8,333486	8,1251687	8,144237333	0,01906867	1,013305128	Brd9
17491679	5,735787	5,316935	5,065886	5,383875	5,345084	5,446937	5,3728693	5,391965333	0,019096	1,013324327	A230006K03Rik
17440658	6,547233	6,451999	6,640606	6,46936	6,653142	6,574631	6,5466127	6,565711	0,01909833	1,013325966	Crybb1
17516901	13,02384	13,03912	13,06821	13,04982	13,05386	13,08479	13,043723	13,06282333	0,0191	1,013327136	Apoa1
17384049	6,177673	6,101237	6,185864	6,14763	6,270935	6,103556	6,1549247	6,174040333	0,01911567	1,01333814	Lrsam1
17360695	8,406602	8,27284	8,107117	8,264911	8,326759	8,252257	8,2621863	8,281309	0,01912267	1,013343057	Atrnl1
17463441	9,058868	9,002796	9,010321	8,94077	9,167166	9,021467	9,023995	9,043134333	0,01913933	1,013354764	Tom1 // Tom1
17203769	7,247325	7,749587	7,856193	7,468318	7,486667	7,955541	7,6177017	7,636842	0,01914033	1,013355466	---
17338403	5,954107	6,326004	6,251547	6,209856	6,282968	6,096344	6,1772193	6,196389333	0,01917	1,013376304	B430306N03Rik
17403625	9,503762	9,631549	9,551028	9,672779	9,606768	9,46431	9,562113	9,581285667	0,01917267	1,013378177	Fubp1
17485932	7,019524	6,957772	7,00493	6,893653	7,115387	7,030712	6,9940753	7,013250667	0,01917533	1,013380051	Tmem238
17262616	5,059267	5,192727	5,416391	5,479525	5,226459	5,019938	5,222795	5,241974	0,019179	1,013382626	Gm11186
17414331	7,482206	7,772843	7,439452	7,541395	7,495646	7,715056	7,5648337	7,584032333	0,01919867	1,013396441	BC026590
17550546	14,08101	14,07553	14,04745	14,058	14,10673	14,09687	14,067997	14,0872	0,01920333	1,013399719	---
17209065	9,542792	9,052986	9,153185	9,441012	8,970389	9,395205	9,2496543	9,268868667	0,01921433	1,013407445	---
17284585	3,035607	2,972992	3,361596	3,012916	3,249718	3,165246	3,1233983	3,142626667	0,01922833	1,01341728	V165-D-J-C mu
17485200	5,801793	5,7812	6,020694	5,945522	5,728995	5,986901	5,8678957	5,887139333	0,01924367	1,013428051	Syt8
17386709	3,850137	3,780114	3,339989	3,808793	3,611181	3,608074	3,6567467	3,676016	0,01926933	1,01344608	---
17551089	11,75537	11,83335	11,79499	11,82994	11,73602	11,87558	11,79457	11,81384667	0,01927667	1,013451232	---
17310661	3,818563	3,861624	3,819664	3,881862	3,837056	3,838775	3,8332837	3,852564333	0,01928067	1,013454042	03/12/17
17248728	10,23508	10,33028	10,22341	10,32127	10,26973	10,25562	10,262923	10,28220667	0,01928333	1,013455915	Clint1
17449313	11,58484	11,43749	11,4136	11,43995	11,50208	11,55175	11,478643	11,49792667	0,01928333	1,013455915	Ugt2b34
17521681	12,45537	12,37914	12,48492	12,35255	12,51727	12,50747	12,43981	12,45909667	0,01928667	1,013458257	Gpx1
17499394	9,017882	9,582705	8,971807	9,3967	9,109035	9,124552	9,190798	9,210095667	0,01929767	1,013465984	---
17208867	4,102436	3,84211	3,97503	3,755753	4,34442	3,877338	3,973192	3,992503667	0,01931167	1,013475819	---
17458820	5,453942	5,712194	5,597556	5,740246	5,417606	5,663786	5,5878973	5,607212667	0,01931533	1,013478394	Ghrhr
17257511	8,188272	8,204952	8,244064	8,270513	8,266547	8,158208	8,2124293	8,231756	0,01932667	1,013486356	Map3k3
17345989	4,971318	5,116866	4,976267	5,235648	5,014243	4,872547	5,0214837	5,040812667	0,019329	1,013487995	Sult1c2
17346952	5,778696	6,074455	6,044408	5,771899	6,166247	6,01744	5,965853	5,985195333	0,01934233	1,013497362	---
17459898	11,11632	11,18929	11,22101	11,30055	11,15433	11,12981	11,17554	11,19489667	0,01935667	1,013507431	---
17248555	3,968782	3,605104	3,845182	3,833901	3,846933	3,796331	3,806356	3,825721667	0,01936567	1,013513754	---
17222911	2,974976	3,092706	3,091242	2,949137	3,18008	3,087809	3,0529747	3,072342	0,01936733	1,013514924	---
17484331	5,800115	5,772659	6,2688	5,794778	6,154655	5,950267	5,9471913	5,966566667	0,01937533	1,013520545	Dpysl4
17312835	7,569412	7,895481	7,873445	7,66057	7,933917	7,80199	7,779446	7,798825667	0,01937967	1,013523589	Nol12
17459207	4,288575	4,293132	4,220864	4,165556	4,354367	4,340815	4,2675237	4,286912667	0,019389	1,013530146	A930038C07Rik
17388037	4,01486	4,056369	4,033997	4,072849	4,236999	3,853624	4,0350753	4,054490667	0,01941533	1,013548646	Olfr1272
17494408	4,438676	4,540086	3,772389	4,414904	3,864136	4,530359	4,2503837	4,269799667	0,019416	1,013549114	Trim30d
17296011	3,181207	3,058974	2,981421	3,12007	3,208481	2,951316	3,0738673	3,093289	0,01942167	1,013553095	---
17420582	11,00379	10,90117	10,91207	10,90861	10,97993	10,98676	10,93901	10,95843333	0,01942333	1,013554266	Capzb
17323322	8,392889	8,305492	8,059591	8,229116	8,284018	8,303119	8,2526573	8,272084333	0,019427	1,013556842	Yars2
17220059	7,702701	7,6382	7,675266	7,734849	7,600465	7,739142	7,6720557	7,691485333	0,01942967	1,013558716	Cdc42bpa
17341693	11,09962	11,0492	11,10765	11,01455	11,23822	11,06202	11,08549	11,10493	0,01944	1,013565975	---
17275863	3,017426	3,19394	3,299854	3,327783	3,223016	3,018799	3,1704067	3,189866	0,01945933	1,013579558	---
17523494	8,842362	8,924668	8,927716	8,823007	8,82314	9,107059	8,8982487	8,917735333	0,01948667	1,013598761	Kif15
17307080	8,16007	8,046677	8,054863	8,154655	8,125499	8,039955	8,0872033	8,106703	0,01949967	1,013607895	Pspc1
17312242	6,515194	6,334841	6,474675	6,456667	6,48558	6,440975	6,44157	6,461074	0,019504	1,013610939	Zfp41
17420604	7,111195	7,131585	7,190349	7,301655	6,907233	7,282762	7,1443763	7,163883333	0,019507	1,013613047	Akr7a5
17320019	7,431798	7,464481	7,258934	7,327405	7,363721	7,522675	7,385071	7,404600333	0,01952933	1,013628738	5031439G07Rik
17249277	4,27156	3,815774	4,122687	3,795512	4,272373	4,200748	4,070007	4,089544333	0,01953733	1,013634359	---
17506306	10,73134	10,68129	10,55735	10,70487	10,58945	10,73428	10,65666	10,6762	0,01954	1,013636233	Map1lc3b
17409953	11,77591	12,02853	11,81801	11,70222	11,94089	12,03799	11,87415	11,8937	0,01955	1,013643259	---
17547967	4,08306	3,995376	4,431198	4,143799	4,096568	4,32794	4,169878	4,189435667	0,01955767	1,013648645	F830005K03Rik
17323040	5,405822	4,823409	4,684757	4,931354	4,954403	5,086911	4,9713293	4,990889333	0,01956	1,013650285	Mir365-1
17301718	5,812053	5,65465	6,065646	5,739316	5,821395	6,030354	5,8441163	5,863688333	0,019572	1,013658716	Egr3
17221241	9,911674	10,0824	10,0578	9,965335	10,10266	10,0426	10,017291	10,036865	0,01957367	1,013659887	---
17364872	6,01016	6,169744	5,99573	6,13693	6,001951	6,09554	6,0585447	6,078140333	0,01959567	1,013675345	Pyroxd2
17350760	5,462756	5,21987	5,167109	5,331581	5,233268	5,343725	5,283245	5,302858	0,019613	1,013687524	Gm10536
17221686	5,789627	5,68868	5,958445	5,740499	5,75621	5,9989	5,8122507	5,831869667	0,019619	1,01369174	Kcnq5
17544358	4,5177	4,505161	4,313384	4,31962	4,414627	4,66088	4,445415	4,465042333	0,01962733	1,013697595	---
17309351	4,176178	4,043962	4,313235	4,250576	4,310737	4,031016	4,1777917	4,197443	0,01965133	1,013714458	1700128A07Rik // 1700128A07Rik
17272605	6,644899	6,608624	6,88512	6,643538	6,821756	6,732348	6,712881	6,732547333	0,01966633	1,013724998	Tha1
17301452	10,02432	10,03651	9,782249	9,90062	10,04999	9,951475	9,947693	9,967361667	0,01966867	1,013726638	Clu
17472161	7,749228	7,71643	7,658367	7,744352	7,708505	7,730209	7,7080083	7,727688667	0,01968033	1,013734836	Wbp11
17472588	4,228098	4,354107	4,485161	4,396168	4,469061	4,261184	4,3557887	4,375471	0,01968233	1,013736241	St8sia1
17459358	6,494872	6,334308	6,570187	6,355339	6,458251	6,644829	6,4664557	6,486139667	0,019684	1,013737412	---
17295194	3,255769	3,177032	3,231507	3,259061	3,214365	3,249965	3,221436	3,241130333	0,01969433	1,013744673	---
17547725	5,870923	6,077322	6,079443	6,236499	5,677308	6,172971	6,0092293	6,028926	0,01969667	1,013746313	Hecw1 // Hecw1
17302707	4,261621	4,521226	4,828523	4,459877	4,555476	4,655121	4,5371233	4,556824667	0,01970133	1,013749592	---
17219110	5,138513	4,993677	4,98936	5,084507	5,189545	4,906636	5,0405167	5,060229333	0,01971267	1,013757555	Rxrg
17455346	7,061986	7,320395	6,930366	7,165879	7,187006	7,019013	7,104249	7,123966	0,019717	1,0137606	Flt1
17401885	3,406237	3,49999	3,484009	3,487488	3,429313	3,532608	3,463412	3,483136333	0,01972433	1,013765753	Gm6602
17548394	6,075876	5,736166	6,110788	5,812663	6,235098	5,934259	5,9742767	5,994006667	0,01973	1,013769735	Gm5107
17548224	5,630559	5,579669	5,650237	5,609021	5,71459	5,596075	5,620155	5,639895333	0,01974033	1,013776996	Gm10757
17294215	6,086589	5,68487	5,857713	5,750583	6,286528	5,651299	5,8763907	5,896136667	0,019746	1,013780978	Irx1
17201101	7,658424	7,80986	7,833277	7,599986	7,582396	8,178428	7,767187	7,786936667	0,01974967	1,013783555	---
17377019	4,892603	4,838162	4,938949	4,839897	4,912302	4,976804	4,8899047	4,909667667	0,019763	1,013792924	Banf2
17296572	6,391813	6,19142	6,158461	6,406338	5,953637	6,441023	6,2472313	6,266999333	0,019768	1,013796438	Gm2897
17205287	4,051795	4,504371	4,187402	4,298737	4,30232	4,201815	4,247856	4,267624	0,019768	1,013796438	---
17209477	4,051795	4,504371	4,187402	4,298737	4,30232	4,201815	4,247856	4,267624	0,019768	1,013796438	---
17247364	9,670105	9,941189	10,03093	9,850804	9,977291	9,873459	9,8807413	9,900518	0,01977667	1,013802528	---
17390219	8,443656	8,708889	8,475121	8,577705	8,597498	8,511817	8,5425553	8,56234	0,01978467	1,01380815	Zfp106
17399581	3,030946	2,930783	2,76206	2,885975	3,003437	2,893768	2,9079297	2,927726667	0,019797	1,013816817	Mir190b
17483889	7,730916	7,863428	7,849519	7,835567	7,624844	8,042864	7,814621	7,834425	0,019804	1,013821736	Mir5102 // Mir5102
17550258	7,730916	7,863428	7,849519	7,835567	7,624844	8,042864	7,814621	7,834425	0,019804	1,013821736	---
17349393	8,18012	8,147365	8,236799	8,11441	8,322382	8,186951	8,1880947	8,207914333	0,01981967	1,013832745	Srp19
17201009	7,023864	6,984314	6,93049	6,757073	7,012978	7,228076	6,979556	6,999375667	0,01981967	1,013832745	---
17235166	8,63927	8,525846	8,75813	8,588072	8,806568	8,588072	8,641082	8,660904	0,019822	1,013834385	Gpx4

17432397	5,840171	5,754666	5,965762	5,981826	5,902102	5,736144	5,853533	5,873357333	0,01982433	1,013836025	Kazn
17334354	8,163986	8,595648	7,939405	8,513927	8,10171	8,142878	8,233013	8,252838333	0,01982533	1,013836727	---
17550064	8,163986	8,595648	7,939405	8,513927	8,10171	8,142878	8,233013	8,252838333	0,01982533	1,013836727	---
17269391	4,217529	4,551025	4,35787	4,438845	4,510225	4,236879	4,3754747	4,395316333	0,01984167	1,013848206	Krt14
17403311	4,702255	4,968855	4,560289	4,718729	4,965322	4,606883	4,7437997	4,763644667	0,019845	1,013850548	9530052C20Rik
17265733	8,362316	8,34256	8,341752	8,163714	8,562533	8,379916	8,348876	8,368721	0,019845	1,013850548	Ctns
17405348	3,222401	3,140491	3,281728	3,150802	3,378424	3,174945	3,2148733	3,234723667	0,01985033	1,013854296	---
17524393	6,656734	7,077549	6,978941	6,944875	6,917675	6,910273	6,904408	6,924274333	0,01986633	1,01386554	Zfp426
17320688	2,994541	3,018761	3,051616	3,057725	2,966792	3,100006	3,0216393	3,041507667	0,01986833	1,013866946	---
17204165	3,117352	4,121425	3,740755	3,358363	4,059613	3,621165	3,659844	3,679713667	0,01986967	1,013867883	---
17313955	6,283101	6,273489	6,123417	6,245204	6,303399	6,191072	6,226669	6,246558333	0,01988933	1,013881704	---
17220221	7,689809	7,569211	7,501635	7,565484	7,727824	7,527053	7,586885	7,606787	0,019902	1,013890605	Tmem63a
17509712	3,141507	2,865394	2,984786	2,94673	3,038973	3,065696	2,997229	3,017133	0,019904	1,013892011	---
17333036	6,91007	6,154796	6,382083	6,427811	6,36356	6,715314	6,4823163	6,502228333	0,019912	1,013897633	Rsph3a
17503214	6,747614	6,572317	7,052484	6,731749	6,894732	6,805719	6,790805	6,810733333	0,01992833	1,013909112	Nfix
17482310	9,966063	9,729656	9,538327	9,817476	9,741486	9,734875	9,744682	9,764612333	0,01993033	1,013910518	Acsm3
17517112	9,357367	9,433001	9,428438	9,423969	9,472385	9,382253	9,4062687	9,426202333	0,01993367	1,01391286	Gm19447
17372984	9,172219	9,359603	9,186799	9,263225	9,262727	9,252531	9,2395403	9,259494333	0,019954	1,01392715	Nup160
17320163	7,478105	7,739853	7,595503	7,654582	7,62974	7,58901	7,604487	7,624444	0,019957	1,013929259	Brd1
17467742	7,742815	7,806214	7,786664	7,818808	7,766995	7,809762	7,7785643	7,798521667	0,01995733	1,013929493	Vamp5
17289103	9,283829	9,294109	9,156828	9,168991	9,320483	9,305197	9,244922	9,264890333	0,01996833	1,013937224	Serinc5
17260786	7,586351	7,682368	7,612982	7,656879	7,596653	7,688085	7,6272337	7,647205667	0,019972	1,013939801	Etaa1
17498269	8,206444	8,315721	8,551369	8,291971	8,489034	8,352452	8,3578447	8,377819	0,01997433	1,013941441	---
17547632	5,382013	5,50582	5,698084	5,484285	5,720133	5,441426	5,528639	5,548614667	0,01997567	1,013942378	---
17324305	8,894969	8,924362	8,789655	8,756612	9,078169	8,834159	8,869662	8,889646667	0,01998467	1,013948703	Dnajb11 // Dnajb11
17550542	13,66242	13,67292	13,59404	13,63285	13,63277	13,72377	13,643127	13,66313	0,02000333	1,013961823	---
17433006	6,027308	5,995577	5,979057	6,04881	6,124628	5,888525	6,0006473	6,020654333	0,0200007	1,0139644	---
17242624	6,199841	5,904984	6,552715	6,189708	6,240204	6,287681	6,21918	6,239197667	0,02001767	1,013971896	C2cd4c
17207989	4,388157	5,310246	5,066072	5,492498	5,215139	4,116912	4,9214917	4,941516333	0,02002467	1,013976816	---
17403039	4,425411	5,086193	5,032875	4,814582	4,82349	4,966491	4,8481597	4,86187667	0,020028	1,013979159	1110002E22Rik
17465788	9,296152	9,314837	9,259538	9,251175	9,298923	9,380517	9,2901757	9,310205	0,02002933	1,013980096	Cnot4
17463056	9,153563	9,209064	9,202881	9,226553	9,214072	9,184988	9,1885027	9,208537667	0,020035	1,013984079	Chd4
17213428	8,671197	8,649938	8,560089	8,7066	8,637623	8,597106	8,6270747	8,647109667	0,020035	1,013984079	Cyp20a1
17216834	13,06814	13,07902	13,06714	13,13268	13,07821	13,06372	13,071433	13,09153667	0,02010333	1,014032107	Rpl28
17262683	4,905347	4,767146	4,960498	4,839722	4,928776	4,92481	4,8776637	4,897769333	0,02010567	1,014033747	Il4
17418982	3,524167	3,432728	3,654098	3,51199	3,656001	3,503336	3,5369977	3,557109	0,02011133	1,01403773	Rbbp4 // Rbbp4
17456480	5,07654	4,911348	5,32148	4,835765	5,257834	5,276218	5,1031227	5,123272333	0,02014967	1,014064674	---
17305005	4,808619	4,917089	4,777333	5,064625	4,926497	4,572372	4,834347	4,854498	0,020151	1,014065612	Ppyr1
17478910	5,046441	4,902454	4,947425	5,105564	4,985826	4,865417	4,96544	4,985602333	0,02016233	1,014073578	BC046251
17523898	5,214773	5,264039	4,863479	5,107597	4,977189	5,31801	5,114097	5,134265333	0,02016833	1,014077795	9230110C19Rik
17481596	3,471211	3,402977	3,393103	3,588474	3,199296	3,540062	3,4224303	3,442610667	0,02018033	1,01408623	Olfr474
17514417	8,513433	8,501159	8,572051	8,561687	8,487274	8,59825	8,528881	8,549070333	0,02018933	1,014092556	8430410K20Rik
17454627	6,200187	5,973911	6,188433	6,158161	6,359806	5,905162	6,1208437	6,141043	0,02019933	1,014099586	Card11
17273591	5,75942	5,79453	5,805222	5,947754	5,555933	5,916093	5,7863907	5,806593333	0,02020267	1,014101929	Kif3c
17373813	3,889177	3,905915	3,841997	3,912168	3,904681	3,880854	3,8790297	3,899234333	0,02020467	1,014103334	---
17292922	8,101693	8,033484	7,936109	7,870855	8,172575	8,088503	8,023762	8,043977667	0,02021567	1,014111067	Ddx41
17436151	7,011406	7,026061	7,009778	7,055891	7,049722	7,002291	7,0157483	7,035968	0,02021967	1,014113878	Gpn1
17433826	6,029395	6,032488	6,335183	6,070723	6,26628	6,120733	6,1323553	6,152578667	0,02022333	1,014116456	Mib2
17532631	13,92219	13,91523	13,86449	13,88093	13,94368	13,93801	13,900637	13,92087333	0,02023667	1,014125828	---
17370977	7,746438	7,785142	7,55912	7,64233	7,740441	7,768643	7,6969	7,717138	0,020238	1,014126765	Pkp4
17412705	3,692018	3,930598	3,786199	3,809552	3,965548	3,694433	3,8029383	3,823177667	0,02023933	1,014127703	Gm12371
17220754	8,402407	8,84024	8,787012	8,677395	8,436156	8,976897	8,676553	8,696816	0,020263	1,014144339	---
17397823	2,931061	3,109232	3,236407	2,977053	3,232577	3,127877	3,0922333	3,112502333	0,020269	1,014148557	---
17496111	8,810339	8,760884	8,863525	8,938555	8,799392	8,757657	8,8115827	8,831868	0,02028533	1,014160038	Xpo6
17548139	4,652058	3,969172	4,233756	4,43091	4,287654	4,197278	4,2849953	4,305280667	0,02028533	1,014160038	Gm10846
17458315	7,253284	7,519372	7,241555	7,156904	7,526222	7,391975	7,3380703	7,358367	0,02029667	1,014168005	Lrrc61
17278623	6,264109	5,814342	6,600238	6,445542	6,29552	5,998547	6,2262297	6,246536333	0,02030667	1,014175035	Gm19588
17537248	9,436798	9,45381	9,311046	9,278355	9,447518	9,536764	9,4005513	9,420879	0,02032767	1,014189798	Apool
17238636	3,274886	3,408434	3,245267	3,329451	3,296844	3,363285	3,309529	3,32986	0,020331	1,014192141	---
17534064	3,993201	3,992741	4,222042	4,151176	4,136868	3,980935	4,069328	4,089659667	0,02033167	1,01419261	Zcchc12
17291915	4,600182	4,621735	4,805829	4,671941	4,741169	4,675638	4,6759153	4,696249333	0,020334	1,01419425	Cage1
17243957	7,722424	7,880307	7,557542	7,676901	7,906625	7,637768	7,720091	7,740431333	0,02034033	1,014198702	Utp20
17326787	3,961193	4,253824	4,229692	4,100473	4,274245	4,131015	4,1482363	4,168577667	0,02034133	1,014199405	A730009L09Rik
17500478	9,760808	9,840157	9,790575	9,74902	9,833452	9,870138	9,79718	9,817536667	0,02035667	1,014210184	Gsr
17514719	8,576451	8,698881	8,605166	8,658143	8,549331	8,734114	8,6268327	8,647196	0,02036333	1,014214871	Fam76b
17379206	8,544802	8,743936	8,85512	8,723314	8,809518	8,672171	8,7146193	8,735001	0,02038167	1,014227759	Mybl2
17546331	4,720002	4,887874	4,70686	4,604766	4,904758	4,866407	4,7715787	4,791977	0,02039833	1,014239476	Gm6026 // Gm6026 // Gm6026 // Gm60
17546921	4,720002	4,887874	4,70686	4,604766	4,904758	4,866407	4,7715787	4,791977	0,02039833	1,014239476	Gm6026 // Gm6026 // Gm6026 // Gm60
17532462	8,264885	8,385303	8,269802	8,284598	8,356762	8,339871	8,3066633	8,327077	0,02041367	1,014250256	Zdhhc3
17418881	5,258676	5,233699	5,162942	5,260797	5,197764	5,258021	5,218439	5,238860667	0,02042167	1,01425588	A3galt2
17392794	4,404209	4,656526	4,287466	4,90804	4,17163	4,329818	4,4494003	4,469829333	0,020429	1,014261036	---
17425566	7,987641	7,952666	7,79873	8,010417	7,979195	7,810712	7,9130123	7,933441333	0,020429	1,014261036	Ptpn3
17532651	12,77737	12,90952	12,93988	12,86894	12,99644	12,82273	12,87559	12,89603667	0,02044667	1,014273456	---
17531260	4,847225	4,887051	4,780235	4,829776	4,796909	4,94921	4,8381703	4,858631667	0,02046133	1,014283767	Trex1
17455574	5,563142	5,691369	5,849103	5,908494	5,745046	5,511487	5,7012047	5,721675667	0,020471	1,014290564	---
17203155	7,029432	6,665485	6,996665	6,686835	6,969781	7,09638	6,897194	6,917665333	0,02047133	1,014290798	---
17253947	10,27225	10,24986	10,26839	10,3382	10,26742	10,2463	10,2635	10,28397333	0,02047333	1,014292204	Zfp207
17473512	3,773805	3,657234	3,370415	3,622587	3,44347	3,796868	3,6004847	3,620975	0,02049033	1,014304156	Vmn1r57
17450434	5,91718	7,589655	5,868841	6,28908	6,54565	6,602418	6,4585587	6,479049333	0,02049067	1,01430439	Gbp8
17550865	3,159027	2,948952	3,046522	3,046522	3,08262	3,08684	3,0515003	3,071994	0,02049367	1,0143065	---
17213321	9,84653	9,814432	9,6144	9,743428	9,756721	9,83671	9,758454	9,778953	0,020499	1,014310249	Bmpr2
17517200	4,184995	3,824093	4,014524	4,02221	4,105263	3,957642	4,0078707	4,028371667	0,020501	1,014311655	Btg4
17477698	8,001238	8,068539	7,922057	7,915487	8,099282	8,038592	7,997278	8,017787	0,020509	1,01431728	Pih1d1
17309268	8,890965	9,098618	8,93585	9,200427	9,012888	8,77365	8,9751443	8,995655	0,02051067	1,014318452	Ednrb
17467371	2,931329	3,204365	3,343791	3,200303	3,279737	3,061046	3,1598283	3,180362	0,02053367	1,014334622	---
17503060	6,316745	6,492998	6,806512	6,360076	6,498941	6,818841	6,5387517	6,559286	0,02053433	1,014335091	Palm3
17220941	6,177979	6,086242	6,366129	6,189873	6,320789	6,181319	6,2101167	6,230660333	0,02054367	1,014341653	G0s2 // G0s2
17308472	10,76737	10,89439	10,72354	10,62413	10,88635	10,93647	10,7951	10,81565	0,02055	1,014346106	---
17500996	11,98784	11,79842	11,92247	11,93978	11,86124	11,96941	11,90291	11,92347667	0,02056667	1,014357824	Acsl1
17455281	8,153893	7,895411	7,896206	8,028019	7,928365	8,050834	7,9818367	8,002406	0,02056933	1,014359699	Lnx2
17419287	6,559242	6,474503	6,563056	6,564633	6,564706	6,529173	6,532267	6,552837333	0,02057033	1,014360403	Laptm5
17215309	7,83724	7,776411	7,695193	7,809418	7,770073	7,791158	7,7696147	7,790216333	0,02060167	1,014382433	Inpp5d
17201331	4,008885	4,564135	5,419663	5,220755	4,438862	4,394886	4,6642277	4,684834333	0,02060667	1,014385949	---
17395345	11,42077	11,51452	11,5499	11,57925	11,44804	11,51974	11,495063	11,51567667	0,02061333	1,014390636	0610010B08Rik // 0610010B08Rik
17494041	9,251335	9,530846	9,237947	9,330462	9,37232	9,379236	9,3400427	9,360672667	0,02063	1,014402355	Nup98
17400521	4,911915	4,878903	5,083676	4,912146	5,139009	4,885254	4,9581647	4,978803	0,02063833	1,014408215	Sv2a
17230879	8,286966	8,280027	8,225912	8,249813	8,398392	8,20664	8,2643017	8,284948333	0,02064667	1,014414074	Kctd3
17475251	5,680483	5,783365	5,950312	5,850627	5,674524	5,950952	5,80472	5,825367667	0,02064767	1,014414777	Megf8
17431451	4,448374	4,544256	4,884564	4,662436	4,618939	4,657768	4,6257313	4,646381	0,02064967	1,014416183	---
17292689	9,024801	9,093535	9,011754	9,046861	9,028802	9,11639	9,0433633	9,064017667	0,02065433	1,014419465	Thoc3
17426346	2,842157	2,942256	3,143407	2,996366	3,103219	2,890215	2,97594	2,9966	0,02066	1,014423449	---
17374384	3,801559	4,029859	4,233864	4,285896	3,886819	3,954593	4,0217607	4,042436	0,02067533	1,014434231	---
17302472	5,971419	5,732524	5,962573	5,850893	5,972307	5,905343	5,8888387	5,909514333	0,02067567	1,014434465	Kctd12 // Kctd12
17205665	4,377519	3,651848	2,939525	4,000248	3,477622	3,553077	3,6562973	3,676982333	0,020685	1,014441028	---
17280790	4,427008	4,43823	4,51337	4,439374	4,707984	4,293323	4,459536	4,480227	0,020691	1,014445247	Ispd
17288579	5,011613	4,906372	4,924273	5,066166	4,86972	4,968451	4,9474193	4,968112333	0,020693	1,014446653	---
17256138	6,841156	6,851166	6,771983	6,767695	6,851516	6,907196	6,821435	6,842135667	0,02070067	1,014452044	Thra
17439064	9,718026	9,750895	9,732	9,702588	9,773903	9,786543	9,7336403	9,754344667	0,02070433	1,014454622	Uso1
17238325	7,35744	7,359168	7,183468	7,317801	7,378478	7,265917	7,3000253	7,320732	0,02070667	1,014456263	Timeless
17514983	4,315877	4,350452	4,309656	4,340631	4,335231	4,362249	4,3253283	4,346037	0,02070867	1,014457669	Zfp26 // Zfp26
17422449	8,048399	8,000595	8,024819	8,077394	8,075488	7,983065	8,0246043	8,045315667	0,02071133	1,014459545	Pank4
17537001	3,692975	3,627847	3,580286	3,565323	3,856652	3,541282	3,6337027	3,654419	0,02071633	1,01446306	---
17317837	9,873365	9,878409	9,864931	9,890956	9,820648	9,967345	9,872235	9,892983	0,020748	1,014485328	Eif2c2
17201199	10,23398	9,896659	10,02915	9,814127	10,08004	10,32787	10,053263	10,07401233	0,02074933	1,014486265	---
17497525	6,100791	6,249858	6,000586	6,1653	6,478649	5,769571	6,1170783	6,13784	0,02076167	1,014494938	Adam8
17275123	5,045745	5,071432	4,990649	5,199231	5,145269	4,825655	5,035942	5,056718333	0,02077633	1,014505252	Etv1
17543817	8,64329	8,411064	8,432957	8,52582	8,42749	8,596357	8,4957703	8,516555667	0,02078533	1,01451158	Slc16a2
17394133	4,065957	3,7336	3,803155	3,774014	4,091425	3,799682	3,8675707	3,888373667	0,020803	1,014524004	Svs2
17280498	11,13633	11,01895	10,84552	10,88579	11,08973	11,08774	11,000267	11,02108667	0,02082	1,014535959	Dld
17503942	12,4821	12,46392	12,46504	12,53666	12,44956	12,48733	12,470353	12,49118333	0,02083	1,014542991	Mt1
17379922	6,088934	6,242029	6,045225	6,0617	6,202499	6,174531	6,125396	6,146243333	0,02084733	1,01455518	Snai1
17366644	6,220162	5,92822	6,332024	6,167425	6,214995	6,160577	6,1601353	6,180999	0,02086367	1,014566666	Gata3 // Gata3
17544545	7,070116	6,876956	6,841356	6,914507	6,964111	6,972404	6,929476	6,950340667	0,02086467	1,01456737	Armcx2
17237797	3,663997	3,296324	3,722357	3,659352	3,552723	3,533263	3,5608927	3,581779333	0,02088667	1,014582841	LOC100505018
17226155	8,95893	9,135385	8,987574	9,049672	9,012066	9,082812	9,0272963	9,048183333	0,020887	1,014583076	Tsn
17349162	8,949135	8,955693	8,679229	8,846547	8,855767	8,944428	8,8613523	8,882247333	0,020895	1,014588702	Ammecr1l
17499240	11,20014	11,13498	11,14482	11,11204	11,28807	11,14252	11,15998	11,18087667	0,02089667	1,014589874	Proz
17318326	5,393939	5,474891	5,667618	5,654235	5,303244	5,641678	5,5121493	5,533052333	0,020903	1,014594328	BC024139
17431065	7,125949	6,997859	6,869545	7,212911	6,946196	6,896999	6,9977843	7,018702	0,02091767	1,014604642	Pigv
17341652	4,838742	4,888235	4,870041	4,851196	4,919942	4,888644	4,8656727	4,886594	0,02092133	1,014607221	---
17459854	5,409042	5,596124	5,817835	5,688907	5,485422	5,711451	5,607667	5,628593333	0,02092633	1,014610737	---
17537574	3,295881	3,427231	3,185121	3,389268	3,492241	3,089545	3,3027443	3,323684667	0,02094033	1,014620583	---
17299039	5,434531	5,342108	4,607904	5,411666	5,039702	4,995999	5,128181	5,149122333	0,02094133	1,014621287	Gm5622
17476637	10,14346	10,69544	10,03228	10,22593	10,24417	10,46395	10,290393	10,31135	0,02095667	1,01463207	---

17525073	12,14234	12,27221	12,36174	12,23699	12,35231	12,24987	12,258763	12,27972333	0,02096	1,014634415	Rpl41 // Rpl41
17260137	6,663467	6,476513	6,829474	6,590065	6,565943	6,876353	6,6564847	6,677453667	0,020969	1,014640744	Kremen1
17376583	4,662572	4,506456	4,486668	4,678967	4,541281	4,49838	4,5518987	4,572876	0,02097733	1,014646605	4921508D12Rik
17531834	5,202161	4,854878	4,964528	5,090613	4,945436	5,04846	5,007189	5,028169667	0,02098067	1,014648949	Fbxl2
17550845	3,925179	3,911829	4,105105	3,974679	3,979203	4,05124	3,9807043	4,001707333	0,021003	1,014664657	---
17372045	5,213945	4,78609	4,991521	4,965614	5,147485	4,941475	4,9971853	5,018191333	0,021006	1,014666766	Hoxd11
17468043	4,004898	4,038975	4,338536	4,022633	4,197763	4,225051	4,1274697	4,148482333	0,02101267	1,014671455	2310069B03Rik
17439054	4,521722	4,506755	4,299079	4,482497	4,492545	4,415568	4,4425187	4,463536667	0,021018	1,014675206	Gm1045
17543675	7,035244	6,956676	7,016994	6,920865	7,093855	7,057261	7,0029713	7,023993667	0,02102233	1,014678254	Hdac8
17231163	5,496314	5,688669	5,623136	5,717769	5,414688	5,738749	5,6027063	5,623735333	0,021029	1,014682943	Sertad4
17258197	6,149399	6,140423	6,273041	6,253864	6,17101	6,201132	6,187621	6,208668667	0,02104767	1,014696072	Kctd2
17348293	6,89797	6,640074	6,845763	6,881324	6,938403	6,627244	6,7946023	6,815657	0,02105467	1,014700995	---
17261069	8,125769	8,31682	8,266464	8,208178	8,351831	8,212244	8,236351	8,257417667	0,02106667	1,014709435	0610010F05Rik
17251454	8,331806	8,341376	8,318151	8,380705	8,313141	8,360688	8,3304443	8,351511333	0,021067	1,014709669	1500010J02Rik
17506702	4,999002	4,917288	5,383721	4,643147	5,324877	5,395191	5,1000037	5,121071667	0,021068	1,014710373	6030466F02Rik
17259271	6,147326	6,023691	5,979226	5,9796	6,238122	5,995734	6,050081	6,071152	0,021071	1,014712483	Slc38a10
17387706	3,039472	2,959231	3,313753	2,982248	3,245869	3,147557	3,104152	3,125224667	0,02107267	1,014713655	Olfr1089
17451947	6,512854	6,334347	6,466871	6,417185	6,314071	6,646048	6,438024	6,459101333	0,02107733	1,014716937	Gm5563
17402860	4,993291	5,31088	5,027905	5,292426	5,108355	4,994547	5,110692	5,131776	0,021084	1,014721626	Nhedc2
17303670	5,753004	5,450331	5,482881	5,745804	5,43863	5,565111	5,562072	5,583181667	0,02110967	1,014739679	Gm10408
17390131	4,877146	4,828869	5,243684	4,956561	5,01241	5,044075	4,983233	5,004348667	0,02111567	1,014743899	Pla2g4f
17411188	6,430092	6,433859	6,326317	6,404859	6,473462	6,375316	6,396756	6,417879	0,021123	1,014749057	Dnajb4
17539548	7,47479	7,506645	7,491693	7,506186	7,494596	7,535741	7,4910427	7,512174333	0,02113167	1,014755153	Piga
17491724	2,957224	2,97441	3,077508	3,246742	2,999258	2,826537	3,0030473	3,024179	0,02113167	1,014755153	Mir344b
17459386	3,538021	3,151062	3,156012	3,392118	3,342412	3,174011	3,2816983	3,302847	0,02114867	1,014767111	---
17385564	9,722584	9,736757	9,562703	9,67527	9,66888	9,741403	9,6740147	9,695184333	0,02116967	1,014781882	Cd302
17313023	8,723323	8,834698	8,890079	8,84201	8,896008	8,773615	8,8160333	8,837211	0,02117767	1,014787509	Gtpbp1
17549820	6,015634	5,905127	5,837257	5,974639	5,793447	6,053515	5,9193393	5,940533667	0,02119433	1,014799232	---
17289887	5,640594	5,012187	5,230529	5,136423	5,333046	5,477427	5,2944367	5,31632	0,02119533	1,014799936	---
17306678	8,945839	9,224995	9,050713	8,915372	9,114801	9,255016	9,073849	9,095063	0,021214	1,014813066	Gm8894
17315033	9,220184	9,176035	9,1672	9,464922	9,103344	9,058807	9,1878063	9,209024333	0,021218	1,01481588	Letmd1
17462162	5,259461	5,455746	5,22027	5,162264	5,500601	5,336301	5,3118257	5,333055333	0,02122967	1,014824086	Gm9946
17244843	5,675509	6,105016	6,011436	6,064485	5,746168	6,045012	5,9306537	5,951888333	0,02123467	1,014827604	Syt1
17474097	4,969793	5,072848	5,072783	5,112498	4,990781	5,075849	5,0384747	5,059709333	0,02123467	1,014827604	Bbc3
17467150	4,775588	3,919823	4,114333	4,232077	4,824757	3,816617	4,2699147	4,291150333	0,02123567	1,014828307	Vmn1r18
17529814	7,716101	7,771836	7,664606	7,539808	7,776448	7,9	7,7175143	7,738752	0,02123767	1,014829714	Rasa2
17245570	7,585431	7,397913	7,54693	7,463105	7,593009	7,537896	7,5100913	7,531336667	0,02124533	1,014835107	Tmem5
17482230	7,019276	6,828953	6,324762	6,722447	6,527412	6,986874	6,7243303	6,745577667	0,02124733	1,014836514	Acsm5
17235954	9,318785	9,383906	9,257492	9,256955	9,30851	9,458481	9,320061	9,341315333	0,02125433	1,014841438	A230046K03Rik
17225373	5,518545	5,354635	5,421093	5,349644	5,605247	5,403278	5,4314243	5,452723	0,02129867	1,014872624	Gbx2
17228712	5,543257	5,291673	5,673401	5,548329	5,593498	5,430416	5,502777	5,524081	0,021304	1,014876375	Tnn
17540835	5,695355	4,554101	4,473973	5,019705	4,689938	5,07773	4,9078097	4,929124333	0,02131467	1,014883879	---
17235443	8,314961	8,30221	8,29983	8,312595	8,347705	8,320667	8,305667	8,326989	0,021322	1,014889038	Sf3a2
17549128	3,3283	3,295437	3,361951	3,295437	3,45346	3,300795	3,3285627	3,349897333	0,02133467	1,014897948	---
17239349	5,513928	5,658969	5,580278	5,538846	5,633173	5,645162	5,5843917	5,605727	0,02133533	1,014898417	B230208H11Rik
17470613	4,125143	4,520056	4,350461	4,108134	4,40351	4,548028	4,3318867	4,353224	0,02133733	1,014899824	Foxj2 // Foxj2
17335923	5,826707	6,14955	6,394156	6,135628	6,241784	6,057034	6,123471	6,144815333	0,02134433	1,014904749	---
17467146	4,115634	3,682551	3,761532	3,884317	3,860561	3,878878	3,853239	3,874585333	0,02134633	1,014906156	Vmn1r16
17230499	8,645734	8,713952	8,584391	8,654685	8,67045	8,682989	8,6480257	8,669374667	0,021349	1,014908032	Nvl
17378310	7,691314	8,295486	7,383893	7,75392	7,949467	7,731467	7,790231	7,811618	0,021387	1,014934764	---
17201663	5,788052	5,381597	5,602856	5,713472	5,658406	5,464793	5,590835	5,612223667	0,02138867	1,014935937	---
17449488	5,518018	5,606284	5,50948	5,550643	5,596681	5,550643	5,544594	5,565989	0,021395	1,014940392	Adamts3
17296009	4,415326	4,166864	4,102702	4,623953	4,011025	4,114111	4,2282973	4,249696333	0,021399	1,014943206	---
17359299	4,436354	4,351288	4,509834	5,114986	3,968814	4,277896	4,432492	4,453898667	0,02140667	1,0149486	LOC100504786
17380662	6,661955	6,43768	6,688813	6,534083	6,823733	6,49487	6,5961493	6,617562	0,02141267	1,014952821	4921531C22Rik
17467413	2,768404	3,14216	2,987321	3,113093	3,038838	2,810215	2,9659617	2,987382	0,02142033	1,014958214	---
17322437	4,905945	4,864965	4,934946	5,058538	4,750742	4,960963	4,901952	4,923414333	0,02146233	1,014987763	Glycam1
17453673	4,489109	4,428535	4,355274	4,273417	4,539187	4,524764	4,424306	4,445789333	0,02148333	1,015002537	---
17284580	5,988511	5,724692	5,889334	5,688464	5,948975	6,02958	5,8675123	5,889006333	0,021494	1,015010041	---
17507708	4,853377	4,731738	4,955775	4,866553	4,927811	4,811037	4,8469633	4,868467	0,02150367	1,015016842	Csmd1
17211313	4,826433	4,680213	4,73642	4,832199	4,605485	4,869893	4,7476887	4,769192333	0,02150367	1,015016842	Crispld1
17423804	2,862742	2,885876	2,799408	2,87686	2,907082	2,828609	2,849342	2,870850333	0,02150833	1,015020126	---
17521872	5,318205	5,326611	5,38896	5,399742	5,314322	5,38432	5,344592	5,366128	0,021536	1,015039591	---
17329345	5,197896	5,379243	5,247279	5,300021	5,208542	5,380484	5,274806	5,296349	0,021543	1,015044516	Crygs
17275454	5,078632	4,930042	4,978695	5,017171	5,096803	4,93806	4,9957897	5,017344667	0,021555	1,015052959	Npas3
17216792	8,155812	8,416799	8,393291	8,380556	8,290789	8,359232	8,3219673	8,343525667	0,02155833	1,015055304	Ccnt2
17282399	3,718748	3,615075	3,728574	3,708921	3,791701	3,626456	3,6874657	3,709026	0,02156033	1,015056711	1700085C21Rik
17379871	9,497368	9,963145	9,959129	9,883539	9,913919	9,686871	9,8065473	9,828109667	0,02156233	1,015058119	1500012F01Rik
17279584	9,014095	9,283389	9,086697	9,088102	9,083938	9,276878	9,1280603	9,149639333	0,021579	1,015069845	Esyt2
17415437	3,30593	2,992836	3,097349	3,189692	3,036697	3,234472	3,1320383	3,153620333	0,021582	1,015071956	Gm12657
17444280	4,034157	3,816112	3,972147	4,062893	3,71323	4,111066	3,9408053	3,962396333	0,021591	1,015078288	4933411G11Rik
17369925	9,277098	9,390845	9,299402	9,393496	9,320329	9,318309	9,3224483	9,344044667	0,02159633	1,015082041	Eng
17395405	4,104716	4,446046	3,902186	4,374972	4,010842	4,131927	4,1509827	4,172580333	0,02159767	1,015082979	---
17466687	5,561841	5,759378	5,575609	5,619034	5,721239	5,62138	5,632276	5,653884333	0,02160833	1,015090484	Osbpl3
17333783	2,748931	3,0412	2,972733	3,036757	2,919287	2,871649	2,9209547	2,942564333	0,02160967	1,015091422	Vmn2r97
17494449	9,904919	10,0716	9,818634	9,906617	9,972619	9,980783	9,9317177	9,953339667	0,021622	1,0151001	Lamtor3
17267304	8,405238	8,557561	8,365383	8,425098	8,407338	8,560654	8,4427273	8,464363333	0,021636	1,015109951	Rps6kb1
17533440	5,001656	5,077237	5,276218	5,17073	5,213253	5,036047	5,1183703	5,14001	0,02163967	1,015112531	Nyx
17466471	5,023096	4,920099	5,272965	5,13144	5,097784	5,051974	5,0720533	5,093732667	0,02167933	1,015140441	Gm19902
17411786	8,331451	8,415797	8,378142	8,378387	8,454868	8,35722	8,37513	8,396825	0,021695	1,015151465	1110037F02Rik
17241308	7,8522	7,988506	8,028885	8,127872	7,904338	7,902484	7,9565303	7,978231333	0,021701	1,015155687	Tspan15
17215208	5,024548	4,893534	5,195357	5,150729	5,079924	4,947898	5,037813	5,059517	0,021704	1,015157798	Chrng
17271856	6,507735	6,483492	6,626614	6,489934	6,58326	6,609768	6,5392803	6,560987333	0,021707	1,015159909	Ush1g
17357232	9,64891	9,771376	9,772924	9,764019	9,621337	9,873031	9,73107	9,752795667	0,02172567	1,015173044	---
17380199	8,415895	8,451202	8,560508	8,377785	8,463034	8,65203	8,4758683	8,497616333	0,021748	1,015188759	Rbm38
17455545	3,788274	3,966523	4,248716	4,013916	4,033198	4,021667	4,001171	4,022927	0,021756	1,015194389	Zar1l
17211241	3,276881	3,159871	3,254795	3,243401	3,298863	3,214581	3,2305157	3,252281667	0,021766	1,015201425	---
17414472	6,537491	6,480467	6,261347	6,418594	6,458346	6,467747	6,426435	6,448229	0,021794	1,015221129	E130308A19Rik
17505248	3,966912	3,982426	4,223957	4,39326	3,872925	3,972511	4,057765	4,079565333	0,02180033	1,015225586	---
17550530	14,0631	14,06037	14,05933	14,07819	14,07913	14,0909	14,060933	14,08274	0,02180667	1,015230042	---
17409997	7,115238	7,098495	7,058901	7,092599	7,017284	7,22818	7,090878	7,112687667	0,02180967	1,015232153	Usp53
17435732	8,591292	8,27545	8,64471	8,873511	8,177549	8,525853	8,5038173	8,525637667	0,02182033	1,01523966	---
17366258	7,487709	7,480867	7,209627	7,516831	7,382007	7,344862	7,3927343	7,414566667	0,02183233	1,015248104	Sp110 // Sp110
17393395	6,525553	6,422661	6,481585	6,53629	6,598675	6,360366	6,4765997	6,498443667	0,021844	1,015256314	6430550D23Rik
17337655	3,224745	3,02525	3,207899	3,119131	3,1996	3,204723	3,1526313	3,174484667	0,02185333	1,015262882	Esp24 // Esp24
17255602	3,168293	2,923344	3,143032	3,048517	3,203225	3,048517	3,078223	3,100086333	0,02186333	1,01526992	Mir10a
17453288	9,319549	9,393216	9,390196	9,362652	9,546426	9,259497	9,3676537	9,389525	0,02187133	1,01527555	Ncf1
17474157	7,711907	7,430022	7,604314	7,586844	7,675907	7,549106	7,582081	7,603952333	0,02187133	1,01527555	Strn4
17210411	5,254834	4,088067	5,293114	4,793719	5,163678	4,744238	4,8786717	4,900545	0,02187333	1,015276957	---
17232353	5,405572	5,253147	5,695745	5,536043	5,562456	5,321593	5,451488	5,473364	0,021876	1,015278834	---
17478195	3,979449	3,053003	3,609703	3,734959	3,834747	3,138095	3,547385	3,569267	0,021882	1,015283056	Saa2
17471550	7,74838	7,680179	7,692275	7,552012	7,910857	7,723637	7,7069447	7,728835333	0,02189067	1,015289155	Olr1
17377816	5,797854	5,962793	6,195774	5,9497	6,111365	5,961056	5,9854737	6,007373667	0,0219	1,015295723	Mylk2
17421663	4,811589	5,034338	5,467115	4,796292	4,962082	5,620433	5,1043473	5,126269	0,02192167	1,015310972	---
17379767	8,650281	8,785725	8,589435	8,581425	8,750938	8,758857	8,675147	8,697073333	0,02192633	1,015314256	Arfgef2
17312236	6,744349	7,137701	6,801993	6,925072	6,90486	6,919892	6,894681	6,916608	0,021927	1,015314725	Gpihbp1
17376341	8,389338	8,5323	8,576696	8,510921	8,519547	8,533648	8,4994447	8,521372	0,02192733	1,015314959	Ptpra
17483013	6,773993	6,808327	6,735677	6,849431	6,768121	6,766239	6,7726657	6,794597	0,02193133	1,015317775	Rabep2
17313538	5,791904	5,715183	5,801128	5,835406	5,764759	5,77386	5,769405	5,791341667	0,02193667	1,015321528	Sept3
17283981	5,695484	5,562058	5,63912	5,648326	5,786368	5,527843	5,6322207	5,654179	0,02195833	1,015336776	Gm19605
17315519	4,614307	4,53585	4,596833	4,459782	4,56575	4,78734	4,58233	4,604290667	0,02196067	1,015338419	Hoxc6
17352132	8,894457	8,96595	8,869527	8,841461	9,01956	8,934839	8,909978	8,931953333	0,02197533	1,015348741	Txnl4a
17382864	6,686345	6,870432	6,58893	6,656931	6,879461	6,675261	6,7152357	6,737217667	0,021982	1,015353433	Qsox2
17248255	4,10757	4,025144	4,09315	3,992681	4,326217	3,972924	4,075288	4,097274	0,021986	1,015356248	Hba-x
17368674	6,571249	6,488909	6,605347	6,447837	6,712956	6,570712	6,5551683	6,577168333	0,022	1,015366101	Gbgt1
17316564	10,40937	10,31564	10,30591	10,38054	10,32257	10,39386	10,34364	10,36565667	0,02201667	1,015377831	Zfp706
17444664	8,118697	7,987034	8,083128	8,10712	8,086725	8,061089	8,062953	8,084978	0,022025	1,015383696	Zfp655
17461499	7,899541	7,82446	7,736987	7,820417	7,857659	7,848989	7,8203293	7,842355	0,02202567	1,015384165	Thumpd3
17507303	3,109471	3,027913	3,420719	3,109912	3,619479	2,894805	3,1860343	3,208065333	0,022031	1,015387919	Gm9457
17406145	4,088499	3,98527	3,954806	4,037215	4,149202	3,908259	4,009525	4,031558667	0,02203367	1,015389796	Gria2
17269153	6,2169	6,16846	6,131031	6,192757	6,001027	6,388711	6,1721303	6,194165	0,02203467	1,015390499	Gm11938
17208677	7,105584	6,138511	6,760164	6,908795	6,211144	6,950436	6,6680863	6,690125	0,02203867	1,015393315	---
17484167	7,964642	8,007053	8,060842	8,162822	8,013542	7,922289	8,0108457	8,032884333	0,02203867	1,015393315	Dock1
17290923	8,571603	8,589784	8,535606	8,324909	8,743668	8,694592	8,5656643	8,587723	0,02205867	1,015407391	---
17318704	6,756027	6,983287	6,960835	7,013464	6,819015	6,933853	6,9000497	6,922110667	0,022061	1,015409033	C030006K11Rik
17460293	9,459063	9,542486	9,511324	9,555937	9,526466	9,496659	9,504291	9,526354	0,022063	1,015410441	Cct7
17378317	3,233192	3,270892	3,270892	3,123178	3,744872	2,973156	3,2583253	3,280402	0,02207667	1,01542006	---
17302645	5,572705	5,39111	6,060416	5,73078	5,602541	5,757142	5,6747437	5,696821	0,02207733	1,015420529	Gpc5
17386439	5,503225	5,912359	5,441194	5,705702	5,660477	5,556894	5,618926	5,641024333	0,02209833	1,01543531	Gm17250
17357543	12,74918	12,77146	12,90044	12,88283	12,89193	12,71262	12,807027	12,82912667	0,0221	1,015436483	---
17398380	4,328571	4,202384	4,284074	4,419573	4,155411	4,306368	4,2716763	4,293784	0,02210767	1,015441879	---
17374386	3,631452	3,61112	3,717173	3,717209	3,731911	3,576961	3,6532483	3,675360333	0,022112	1,015444929	---
17256854	5,272104	5,33082	5,299038	5,245521	5,329684	5,393122	5,300654	5,322775667	0,02212167	1,015451733	---
17316723	3,839067	3,899805	4,232095	4,122119	3,93458	3,980635	3,9903223	4,012444667	0,02212233	1,015452202	---

17337308	5,793787	5,908569	6,144804	6,092211	5,935924	5,885454	5,9490533	5,971196333	0,022143	1,015466749	---
17297490	7,659337	7,784476	7,512131	7,742739	7,586364	7,69329	7,6519813	7,674131	0,02214967	1,015471441	Fut11
17207019	4,933038	4,612311	4,641372	4,783914	4,653781	4,815568	4,728907	4,751087667	0,02218067	1,015493262	---
17486011	10,44383	10,57042	10,17203	10,2361	10,38184	10,63492	10,395427	10,41762	0,02219333	1,015502178	Gm19933 // Gm19933
17521993	6,313709	6,150755	6,614945	6,29768	6,377712	6,470607	6,359803	6,381999667	0,02219667	1,015504524	Tmem89
17231419	6,95155	7,055346	7,147924	7,117544	7,020898	7,083004	7,0516067	7,073815333	0,02220867	1,015512971	---
17209599	4,923993	4,656614	4,668207	5,300433	4,408384	4,606653	4,7496047	4,771823333	0,02221867	1,01552001	---
17538945	3,267029	3,036548	2,943381	3,139376	3,086857	3,087415	3,0823193	3,104549333	0,02223	1,015527987	---
17290904	5,071432	5,041247	5,339461	5,160743	5,48372	4,874368	5,1507133	5,172943667	0,02223033	1,015528222	Olfr1370
17489304	5,1147	5,053091	5,044221	5,26404	4,871512	5,143205	5,0706707	5,092919	0,02224833	1,015540892	Ffar2
17321094	6,217161	6,327411	6,286657	6,304191	6,302288	6,291584	6,2770763	6,299354333	0,022278	1,015561776	Col2a1
17419263	4,352665	4,137401	4,425105	4,32197	4,403969	4,25607	4,305057	4,327336333	0,02227933	1,015562714	Snord85
17398785	7,427905	7,462854	7,519867	7,506485	7,504468	7,466529	7,4702087	7,492494	0,02228533	1,015566938	Arhgef11
17497477	4,42565	4,451854	4,686305	4,531848	4,461673	4,637144	4,5212697	4,543555	0,02228533	1,015566938	---
17370420	5,49228	5,173553	5,644126	5,439609	5,528221	5,409015	5,436653	5,458948333	0,02229533	1,015573977	Crb2
17387589	3,074342	3,213171	2,892107	3,140713	3,052824	3,053003	3,0598733	3,08218	0,02230667	1,015581955	Olfr995
17480233	5,348617	5,278857	5,43015	5,368938	5,52809	5,227541	5,3525413	5,374856333	0,022315	1,015587821	Fam181b
17415469	7,947521	8,201208	8,137772	8,043465	8,194966	8,115031	8,0955003	8,117820667	0,02232033	1,015591576	Tek
17523105	9,710897	9,730301	9,765112	9,783805	9,790946	9,698535	9,7354367	9,757762	0,02232533	1,015595096	Wdr48
17233554	9,913262	9,846541	9,978721	9,981915	9,944538	9,879049	9,9128413	9,935167333	0,022326	1,015595565	Pla2g12b
17217774	6,066706	5,998466	6,02592	6,039848	6,187454	5,930817	6,030364	6,052706333	0,02234233	1,015607063	Gpr25 // Gpr25
17407684	8,331001	8,326014	8,274413	8,352207	8,285872	8,360382	8,310476	8,332820333	0,02234433	1,015608471	Pip5k1a
17444674	6,471999	6,463932	6,504275	6,575876	6,606193	6,325205	6,4800687	6,502424667	0,022356	1,015616684	Zfp498
17426555	3,770719	3,886603	3,810716	3,956415	3,739513	3,839189	3,8226793	3,8450 39	0,02235967	1,015619265	Gm11487
17436192	5,738274	5,71253	5,788587	5,637214	5,911142	5,758152	5,7464637	5,7688 36	0,02237233	1,015628182	Mrpl33
17550763	3,288602	3,402956	3,251762	3,439004	3,330799	3,240638	3,31444	3,336813667	0,02237367	1,015629121	---
17207043	5,125665	6,079468	5,711234	5,927399	5,451901	5,604215	5,6387 89	5,661171667	0,02238267	1,015635457	---
17302226	6,863615	7,235515	6,934893	7,031134	6,97472	7,095323	7,011341	7,033725667	0,02238467	1,015636865	Kbtbd7
17500922	7,134803	7,503147	7,579172	7,393276	7,539146	7,351887	7,4057073	7,428103	0,02239567	1,015644609	Pdlim3
17263055	4,656683	4,41746	4,493332	4,639882	4,553167	4,441648	4,5224917	4,544899	0,02240733	1,015652822	---
17536742	10,57267	10,55795	10,52324	10,56142	10,54555	10,61415	10,551287	10,57370667	0,02242	1,015661739	Nono
17530059	5,027615	5,056993	4,885628	4,803104	5,023884	5,210528	4,9900787	5,012505333	0,02242667	1,015666432	Mras
17230195	8,066003	8,27238	7,965822	8,124186	8,087562	8,159741	8,1014017	8,123829667	0,022428	1,015667371	Cep170
17279532	2,800315	3,138477	3,162073	2,993497	3,143947	3,030717	3,0336217	3,056053667	0,022432	1,015670187	---
17203611	6,160791	6,102474	6,135598	6,10039	6,02884	6,337001	6,1329543	6,155410333	0,022456	1,015687084	---
17208973	3,39	3,313009	3,393883	3,309126	3,053003	3,80214	3,3656307	3,388089667	0,022459	1,015689196	---
17381940	4,931635	4,863165	4,967318	4,926178	4,921896	4,981463	4,920706	4,943179	0,022473	1,015699052	Nebl
17533959	6,493454	6,024092	5,778728	6,213714	5,918804	6,231223	6,098758	6,121247	0,022489	1,015710316	Eif2s3x
17548195	4,755571	4,609769	4,877989	4,796271	4,751814	4,762754	4,7477763	4,770279667	0,02250333	1,015720408	---
17300429	10,55458	10,44916	10,49004	10,58815	10,47418	10,49897	10,497927	10,52043333	0,02250667	1,015722755	Dhrs4
17418264	4,465457	4,86012	4,55043	4,77738	4,809168	4,35699	4,6253357	4,647846	0,02251033	1,015725336	4933407E24Rik
17531191	3,044225	2,83127	3,120752	3,094362	3,005257	2,964161	2,998749	3,02126	0,022511	1,015725805	---
17215111	5,127967	4,984525	5,278858	5,21896	4,999188	5,240811	5,13045	5,152986333	0,02253633	1,015743641	1700019O17Rik
17219963	7,637089	7,661736	7,725155	7,54094	7,853505	7,697147	7,67466	7,697197333	0,02253733	1,015744346	Pppde1
17204249	3,475821	3,785635	4,284898	3,570933	3,935389	4,107655	3,8487847	3,871325667	0,022541	1,015746927	---
17264363	5,410975	5,310211	5,389618	5,445004	5,350869	5,382562	5,370268	5,392811667	0,02254367	1,015748805	Usp43
17371315	5,997763	5,888261	6,283064	6,130881	6,117224	5,988618	6,0563627	6,078907667	0,022545	1,015749743	---
17392817	3,547206	2,793694	2,94401	2,959229	3,236556	3,156761	3,09497	3,117515333	0,02254533	1,015749978	---
17350656	9,31958	9,29191	9,214695	9,30476	9,21932	9,369751	9,275395	9,297943667	0,02254867	1,015752325	Csnk1g3
17474593	7,389867	7,438019	7,782623	7,593909	7,668528	7,41573	7,5368363	7,559389	0,02255267	1,015755141	Ercc2
17397915	3,398055	3,39572	3,763596	3,747017	3,385486	3,492564	3,5191237	3,541689	0,02256533	1,015764059	Aadacl2
17466954	3,402446	3,487734	3,491175	3,567418	3,219372	3,662262	3,4604517	3,483017333	0,02256567	1,015764294	---
17364163	7,140582	6,665043	6,92957	6,891177	6,912583	6,999141	6,9117317	6,934300333	0,02256867	1,015766406	Mir107
17542239	6,824913	7,288924	7,001184	7,010705	7,134183	7,037841	7,0383403	7,060909667	0,02256933	1,015766876	Cetn2
17443486	6,511827	6,537929	6,719334	6,610897	6,65685	6,569063	6,5896967	6,61227	0,02257333	1,015769692	Cldn15
17471879	6,594077	6,483671	6,657279	6,736346	6,508142	6,558327	6,5783423	6,600938333	0,022596	1,015785651	---
17512732	7,352827	7,418034	7,212109	7,160859	7,291077	7,598823	7,3276567	7,350253	0,02259633	1,015785886	Nqo1
17256723	6,061499	6,219623	5,846631	6,096219	6,182532	5,916801	6,0425843	6,065184	0,02259967	1,015788233	Rpl27
17418158	4,246104	4,516256	4,590601	4,542727	4,515628	4,362447	4,450987	4,473600667	0,02261367	1,01579809	Hpcal4
17307791	6,448459	6,371482	6,376203	6,428858	6,430561	6,404642	6,3987147	6,421353667	0,022639	1,015815927	Scara3
17550795	4,167357	4,213022	4,534703	4,218868	4,433987	4,33019	4,3050273	4,327681667	0,02265433	1,015826724	---
17498072	5,319456	5,406659	5,282289	5,385033	5,48142	5,209916	5,3361347	5,358789667	0,022655	1,015827193	Krtap5-5
17305925	4,069457	4,371545	3,740508	3,896135	4,258023	4,095325	4,0605033	4,083161	0,02265767	1,015829071	Olfr723
17463628	3,282638	3,218322	3,188203	3,243494	3,477362	3,036286	3,229721	3,252380667	0,02265967	1,015830479	Tas2r124
17354214	4,671757	4,641442	4,556783	4,464152	4,836844	4,636983	4,6233273	4,645993	0,02266567	1,015834704	A330093E20Rik
17521593	8,08343	8,277617	8,223307	8,098218	8,248291	8,305897	8,1947847	8,217468667	0,022684	1,015847613	Ip6k1
17267656	5,391338	5,220577	5,341226	5,402544	5,277427	5,341226	5,3177137	5,340399	0,02268533	1,015848552	Nog
17404084	4,316927	3,893739	4,220994	4,273791	4,000777	4,225158	4,1438867	4,166575333	0,02268867	1,015850899	Fabp9
17452989	6,77044	6,761519	6,943224	6,787996	6,970062	6,785231	6,825061	6,847763	0,022702	1,015860287	Dhx37
17352368	5,019531	4,858886	4,302215	4,96718	4,629719	4,651883	4,7268773	4,749594	0,02271667	1,015870615	Vmn1r238
17212069	4,849821	4,761849	4,800511	4,928208	4,597201	4,954927	4,8040603	4,826778667	0,02271833	1,015871788	Nms
17269921	8,265865	8,352938	8,290144	8,138096	8,445338	8,393677	8,3029823	8,325703667	0,02272133	1,015873901	Brca1
17548719	6,213634	5,998273	6,272166	6,231649	6,272565	6,04808	6,1613577	6,184098	0,02274033	1,01588728	LOC100861732
17244426	4,554484	4,600844	4,555844	4,677485	4,557363	4,544586	4,5703907	4,593144667	0,022754	1,015896903	Gm4792
17472886	4,316597	4,324752	4,492921	4,451657	4,475977	4,274917	4,37809	4,400850333	0,02276033	1,015901363	1700034J05Rik
17217127	10,03661	10,2574	10,13686	10,15172	10,08154	10,2659	10,143623	10,16638667	0,02276333	1,015903476	Nucks1
17458110	8,653272	8,948509	9,097718	9,115204	8,852871	8,799726	8,899833	8,922600333	0,02276733	1,015906292	Rny3 // Rny3
17520339	3,476004	3,353005	3,613395	3,468963	3,515319	3,526425	3,4808013	3,503569	0,02276767	1,015906527	1700057G04Rik
17249684	3,608457	3,698877	3,692318	3,776743	3,751736	3,539516	3,6665507	3,689331667	0,022781	1,015915916	4930404A10Rik
17264906	8,684811	8,534154	8,510517	8,511621	8,635119	8,65109	8,576494	8,599276667	0,02278267	1,01591709	Polr2a
17285221	7,496243	7,47289	7,638932	7,481499	7,433378	7,761564	7,5360217	7,558813667	0,022792	1,015923662	---
17209919	3,96024	5,185166	4,412873	4,59954	4,734735	4,292391	4,5194263	4,542222	0,02279567	1,015926244	---
17445193	9,230182	9,349909	9,141763	9,206409	9,322037	9,261796	9,240618	9,263414	0,022796	1,015926479	Pds5b
17523734	3,436168	3,094266	3,420078	3,333591	3,499334	3,186002	3,3168373	3,339642333	0,022805	1,015932816	---
17309262	6,786608	6,584242	7,220286	6,839131	7,087051	6,733389	6,863712	6,886523667	0,02281167	1,015937511	Slain1 // Slain1
17394920	3,929131	3,702362	3,889484	3,743057	3,997083	3,849276	3,8403257	3,863138667	0,022813	1,01593845	A630075F10Rik
17450017	4,093533	3,9518	3,913587	3,844823	4,05874	4,123834	3,9863067	4,009132333	0,02282567	1,01594737	---
17245034	8,496356	8,64345	8,410845	8,5445	8,443857	8,630785	8,5168837	8,539714	0,02283033	1,015950656	Rab21
17412973	5,899714	5,596992	6,123053	5,958603	5,881601	5,848124	5,873253	5,896109333	0,02285633	1,015968966	Ccl19
17413084	5,899714	5,596992	6,123053	5,958603	5,881601	5,848124	5,873253	5,896109333	0,02285633	1,015968966	Ccl19
17435045	4,630077	4,44446	4,466294	4,591792	4,499414	4,518243	4,5136103	4,536483	0,02287267	1,015980468	---
17400418	10,06216	9,956945	9,865318	9,975302	9,96785	10,0099	9,9614743	9,984350667	0,02287633	1,01598305	Mcl1
17229939	5,190574	5,131886	5,001292	4,997887	5,223432	5,171075	5,1079173	5,130798	0,02288067	1,015986102	Fcrl6
17320248	6,825363	6,785158	6,835658	7,01565	6,773258	6,725947	6,815393	6,838285	0,022892	1,015994083	Tubgcp6
17271888	4,786793	4,471068	4,609952	4,620633	4,616367	4,699492	4,6226043	4,645497333	0,022893	1,015994787	---
17548332	6,954839	7,012059	7,276037	7,167807	7,160536	6,983276	7,0809783	7,103873	0,02289467	1,015995961	---
17413847	5,630844	5,847061	5,629842	5,656445	5,809703	5,710303	5,7025823	5,725483667	0,02290133	1,016000656	Coro2a // Coro2a
17393310	10,09543	10,02196	10,02585	10,04389	10,11139	10,05667	10,047747	10,07065	0,02290333	1,016002064	Trpc4ap
17227808	3,239837	2,918539	3,408981	3,088733	3,274055	3,273284	3,189119	3,212024	0,022905	1,016003238	---
17550859	3,97245	3,727927	3,740945	3,774211	3,827326	3,908542	3,813774	3,836693	0,022919	1,016013097	---
17443363	6,686467	6,838252	6,76673	6,782437	6,793089	6,784803	6,7638163	6,786776333	0,02296	1,016041972	Dtx2
17311905	3,031567	2,764472	3,07399	3,010312	2,980681	2,94793	2,9566763	2,979641	0,02296467	1,016045259	---
17462036	5,074955	4,965778	5,14576	5,240591	5,005986	5,008854	5,0621643	5,085143667	0,02297933	1,016055588	Rho
17353707	7,914838	8,137102	7,973659	8,066687	8,071859	7,955992	8,008533	8,031512667	0,02297967	1,016055823	Sra1
17387744	3,167593	3,186189	3,18359	3,254052	3,357788	2,994507	3,179124	3,202115667	0,02299167	1,016064274	Olfr1110
17375292	7,324185	7,453282	7,324696	7,186325	7,526344	7,458476	7,3673877	7,390381667	0,022994	1,016065917	Serf2
17300984	10,20401	10,22599	10,15573	10,16387	10,2594	10,23146	10,195243	10,21824333	0,023	1,016070143	Cab39l
17520439	7,78774	7,858836	7,789195	7,882331	7,848038	7,774428	7,8119237	7,834932333	0,02300867	1,016076247	Atr
17535997	3,370115	3,345941	3,337712	3,144113	3,627357	3,351343	3,351256	3,374271	0,023015	1,016080707	4930428D18Rik
17237219	9,761633	9,757426	9,560538	9,628622	9,789601	9,730438	9,693199	9,716220333	0,02302133	1,016085168	Osbpl8
17405165	6,881734	6,912994	7,048944	6,958982	6,976162	6,977596	6,9478907	6,970913333	0,02302267	1,016086107	Foxo1 // Foxo1
17444920	5,507737	5,446973	5,145055	5,560518	5,326427	5,281893	5,3665883	5,389612667	0,02302433	1,016087281	---
17341346	3,122088	3,096108	3,06644	3,127407	3,113055	3,113258	3,0948787	3,117906667	0,023028	1,016089863	Vmn1r231
17476879	4,456262	4,64966	4,688863	4,660156	4,701776	4,501948	4,5982617	4,621293333	0,02303167	1,016092446	---
17400032	4,615814	4,103827	4,570384	4,421536	4,63349	4,3041	4,4300083	4,453042	0,02303367	1,016093854	Them5
17263213	9,039319	9,153981	9,177581	9,225101	9,067878	9,147038	9,123627	9,146672333	0,02304533	1,016102071	Rnf187
17550422	9,345122	9,388971	9,484151	9,461525	9,453935	9,371924	9,4060813	9,429128	0,02304667	1,01610301	---
17291028	5,452757	4,695056	5,066447	5,139277	5,090749	5,053394	5,07142	5,094473333	0,02305333	1,016107706	Zfp184 // Zfp184
17321440	6,384089	6,248387	6,426474	6,663126	6,449325	6,015677	6,3529833	6,376042667	0,02305933	1,016111931	Lmbr1l
17202101	5,213562	5,641914	5,85203	5,517476	5,814627	5,444586	5,5691687	5,592229667	0,023061	1,016113105	---
17407650	5,027092	4,997377	5,335366	5,21681	5,013133	5,199101	5,119945	5,143014667	0,02306967	1,016119209	Pi4kb // Pi4kb
17445162	7,902465	8,001316	7,972239	7,998217	8,015654	7,93137	7,9586733	7,981747	0,02307367	1,016122027	Brca2
17261266	7,696416	7,370088	7,455454	7,446727	7,526055	7,618417	7,5073193	7,530399667	0,02308033	1,016126722	Prorsd1
17463501	10,1262	10,90565	9,731146	10,59394	10,09517	10,14317	10,254332	10,27742667	0,02309467	1,016136818	Clec2d
17269836	4,704886	4,615415	4,990686	4,79908	4,830965	4,750235	4,770329	4,793426667	0,02309767	1,016138931	---
17205833	4,485388	5,176119	4,61375	4,308187	5,552789	4,48358	4,758419	4,781518667	0,02309967	1,016140339	---
17210912	9,125694	9,151167	9,074656	9,063231	9,111032	9,246583	9,1171723	9,140282	0,02310967	1,016147383	Rb1cc1
17378964	6,782268	6,846344	6,879527	6,81858	6,827489	6,931428	6,8360463	6,859165667	0,02311933	1,016154191	Dhx35
17400849	3,185717	3,125532	3,254092	3,320906	3,177255	3,136579	3,188447	3,21158	0,023133	1,016163817	Adam30
17428202	3,292746	3,517068	3,615328	3,526936	3,443886	3,523737	3,4750473	3,498186333	0,023139	1,016168043	4930522H14Rik
17207931	6,756462	7,256555	7,193965	7,12897	6,900661	7,246861	7,068994	7,092164	0,02317	1,016189879	---
17507813	5,649238	5,977514	5,789834	5,864487	5,776029	5,845583	5,8055287	5,828699667	0,023171	1,016190583	Xkr5
17513989	6,269552	6,107693	6,131062	5,987653	6,243943	6,346261	6,1694357	6,192619	0,02318333	1,01619927	1700054N08Rik
17417952	5,385965	5,55496	5,491934	5,606195	5,461073	5,435144	5,4776197	5,500804	0,02318433	1,016199975	Hivep3

17201721	6,022843	5,146833	5,826869	5,490632	5,827152	5,748373	5,665515	5,688719	0,023204	1,016213828	---
17201897	6,022843	5,146833	5,826869	5,490632	5,827152	5,748373	5,665515	5,688719	0,023204	1,016213828	---
17267353	10,69453	10,83906	10,70452	10,71564	10,8191	10,77299	10,746037	10,76924333	0,02320667	1,016215706	Cltc
17313926	7,082371	7,165126	6,941668	7,076431	7,10541	7,077048	7,063055	7,086296333	0,02324133	1,016240125	Gramd4
17437148	4,573595	4,81077	5,110359	5,042289	4,794018	4,728149	4,8315747	4,854818667	0,023244	1,016242003	C1qtnf7
17513590	7,470778	7,4118	7,565307	7,577103	7,566788	7,373779	7,4826283	7,50589	0,02326167	1,016254448	Fbxo31
17481956	5,076605	5,090403	5,226655	5,200306	4,781753	5,481407	5,131221	5,154488667	0,02326767	1,016258674	Rassf10
17276714	8,364676	8,418632	8,432009	8,399483	8,471191	8,414502	8,4051057	8,428392	0,02328633	1,016271824	Mpp5
17522407	8,94209	9,045915	8,944987	9,040743	8,957366	9,004749	8,977664	9,000952667	0,02328867	1,016273467	Setd2
17316356	3,304755	3,440522	3,793148	3,871087	3,44359	3,293643	3,5128083	3,536106667	0,02329833	1,016280277	---
17304976	8,437881	8,502303	8,484032	8,410555	8,538542	8,545054	8,4747387	8,498050333	0,02331167	1,016289669	Mapk8
17425416	4,18583	3,859131	3,834716	4,148828	3,645557	4,155234	3,9598923	3,983206333	0,023314	1,016291313	2310081O03Rik
17264844	8,689186	8,72074	8,667536	8,673704	8,72396	8,749751	8,6924873	8,715805	0,02331767	1,016293896	Eif4a1
17371291	3,754776	3,584528	3,77337	4,008389	3,688179	3,486066	3,7042247	3,727544667	0,02332	1,01629554	Gm1322
17275770	2,855397	2,976412	2,974375	2,917475	2,985402	2,973271	2,9353947	2,958716	0,02332133	1,016296479	---
17286575	7,909349	7,834544	7,922961	8,006419	7,786051	7,944386	7,8889513	7,912285333	0,023334	1,016305402	Fars2
17434290	5,481805	5,508358	6,117831	6,387764	5,551441	5,238792	5,7026647	5,725999	0,02333433	1,016305637	4933409K07Rik
17328780	5,642403	5,829443	5,734004	5,860093	5,630878	5,784914	5,7352833	5,758628333	0,023345	1,016313151	Car15
17335567	7,47756	7,458244	7,334218	7,444957	7,337407	7,557703	7,4233407	7,446689	0,02334833	1,016315499	Rnf8
17299869	5,437436	5,218599	5,705584	5,240643	5,40602	5,785011	5,453873	5,477224667	0,02335167	1,016317847	---
17295212	6,900203	6,84426	6,736918	6,915975	6,793067	6,842424	6,827127	6,850488667	0,02336167	1,016324892	Polk
17379744	3,721642	3,888241	3,856915	3,783942	3,839085	3,913865	3,822266	3,845630667	0,02336467	1,016327005	---
17544244	8,617486	8,670712	8,588191	8,642668	8,641331	8,662495	8,625463	8,648831333	0,02336833	1,016329588	Chm
17263857	5,042842	4,566123	4,694876	4,776439	4,860855	4,736673	4,767947	4,791322333	0,02337533	1,016334519	Slc5a10
17521856	5,979664	6,137594	6,502728	6,304702	6,269623	6,115806	6,206662	6,230043667	0,02338167	1,016338981	Mir425
17537379	4,542652	4,374928	4,794358	4,484326	4,648925	4,648844	4,570646	4,594031667	0,02338567	1,016341799	3110007F17Rik // 3110007F17Rik
17349474	8,33176	8,381446	8,333747	8,384336	8,344587	8,388193	8,3489843	8,372372	0,02338767	1,016343208	Kdm3b
17448905	9,643487	9,818872	9,723756	9,733732	9,752285	9,770298	9,728705	9,752105	0,0234	1,016351897	Chic2
17359212	8,577233	8,781631	8,773121	8,624578	8,850481	8,727134	8,7106617	8,734064333	0,02340267	1,016353775	Hells
17287024	8,802151	8,887663	8,72903	8,834212	8,804296	8,850574	8,8062813	8,829694	0,02341267	1,01636082	C78339
17468138	4,997808	4,785501	5,16771	5,145113	4,880006	4,996198	4,983673	5,007105667	0,02343267	1,01637491	---
17502994	6,424283	6,051801	6,319937	6,410064	6,317606	6,138689	6,2653403	6,288786333	0,023446	1,016384303	Lphn1
17237599	4,30273	4,086239	4,156708	4,34604	3,963669	4,306325	4,1818923	4,205344667	0,02345233	1,016388765	1700064J06Rik
17201863	3,897973	4,144517	4,210738	4,610145	3,749265	3,964195	4,0844093	4,107868333	0,023459	1,016393462	---
17338796	8,003012	8,127461	8,083055	8,139868	8,090513	8,053544	8,071176	8,094641667	0,02346567	1,016398159	Safb
17335383	7,558389	7,753328	7,442794	7,466605	7,772583	7,585752	7,584837	7,608313333	0,02347633	1,016405673	Mapk13
17233744	7,296822	7,245312	7,237893	7,26143	7,426713	7,162339	7,260009	7,283494	0,023485	1,016411779	Tysnd1
17206101	6,730487	6,62613	6,701001	6,872193	6,715229	6,54066	6,6858727	6,709360667	0,023488	1,016413893	---
17467115	7,128872	7,169081	7,106029	6,947301	7,295642	7,231538	7,1346607	7,158160333	0,02349967	1,016422112	Kbtbd2
17516267	3,15002	3,020091	3,274682	3,117778	3,25715	3,140431	3,1482643	3,171786333	0,023522	1,016437847	Olfr148
17414382	3,892134	4,191852	4,222794	4,059756	4,117349	4,200343	4,10226	4,125816	0,023556	1,016461802	Svep1 // Svep1
17440530	4,641462	4,387298	4,472494	4,508261	4,449279	4,614386	4,500418	4,523975333	0,02355733	1,016462741	A630023P12Rik
17367622	3,888603	3,651848	3,871357	3,612362	4,00695	3,863183	3,803936	3,827498333	0,02356233	1,016466264	4931423N10Rik
17539101	3,636942	3,53546	3,560831	3,422413	3,802404	3,579107	3,5777443	3,601308	0,02356367	1,016467203	---
17217335	4,674978	4,37775	4,592933	4,565374	4,600217	4,550788	4,5485537	4,572126333	0,02357267	1,016473544	Ren1
17243953	6,615953	6,722155	6,919154	6,743104	6,975092	6,609813	6,7524207	6,776003	0,02358233	1,016480355	---
17465158	3,751237	3,712997	3,838639	3,850622	3,767166	3,75585	3,7676243	3,791212667	0,02358833	1,016484583	Rnf133
17487374	12,86151	12,8976	12,74537	12,80402	12,87469	12,89654	12,834827	12,85841667	0,02359	1,016485757	Apoc1
17486432	3,320586	3,046384	3,345813	3,38359	3,287311	3,112691	3,2375943	3,261197333	0,023603	1,016494916	Vmn1r66
17425233	12,87911	12,92831	12,87495	12,92985	12,94548	12,87786	12,894123	12,91773	0,02360667	1,0164975	Aldob
17530183	5,071072	5,027717	5,237613	4,997063	5,22022	5,189948	5,112134	5,135743667	0,02360967	1,016499614	Ephb1
17215137	7,069799	6,865719	7,173592	7,1147	6,98623	7,079018	7,03637	7,059982667	0,02361267	1,016501727	Dis3l2
17409090	4,87427	4,795588	5,046757	4,945209	4,875428	4,96683	4,9055383	4,929155667	0,02361733	1,016505015	4933431E20Rik
17417030	3,386723	3,397257	3,541596	3,290342	3,760013	3,346081	3,4418587	3,465478667	0,02362	1,016506894	Skint4 // Skint4
17270354	6,112726	6,186545	6,233476	5,847465	6,395502	6,360695	6,1775823	6,201220667	0,02363833	1,016519812	Gfap
17460573	4,702436	2,973156	5,762578	4,263869	4,936306	4,308971	4,47939	4,503048667	0,02365867	1,016534139	---
17310801	3,1151	3,058717	2,963811	2,970635	3,408592	2,829426	3,045876	3,069551	0,023675	1,016545647	---
17525086	3,344451	3,007328	3,226555	3,112098	3,286136	3,251136	3,192778	3,216456667	0,02367867	1,016548231	---
17245248	8,218785	8,279826	7,978768	8,200087	8,108731	8,239608	8,1591263	8,182808667	0,02368233	1,016550815	Mdm2
17511211	5,487125	5,442987	5,532413	5,777205	5,333151	5,423233	5,4875083	5,511196333	0,023688	1,016554807	Mast1
17295035	4,469683	4,296154	4,479111	4,306484	4,508787	4,500768	4,4149827	4,438679667	0,023697	1,016561149	---
17364114	11,48042	11,32825	11,22784	11,21919	11,45764	11,43078	11,345503	11,36920333	0,0237	1,016563263	Lipa
17280035	5,500471	6,080735	5,32178	5,582775	5,772029	5,61929	5,6343287	5,658031333	0,02370267	1,016565142	---
17512459	8,320732	8,605198	8,498228	8,441921	8,208506	8,844879	8,4747193	8,498435333	0,023716	1,016574537	---
17395408	7,608626	8,003074	7,454342	7,734913	7,635798	7,766518	7,6886807	7,712409667	0,023729	1,016583697	Zfp931
17438241	4,852528	4,934216	4,896342	4,858637	4,953007	4,94263	4,894362	4,918091333	0,02372933	1,016583932	Gm19583
17254466	5,657629	5,706569	5,937589	5,669906	5,820029	5,88309	5,7672623	5,791008333	0,023746	1,016595676	4930502E09Rik
17310673	7,997913	8,03256	8,253826	8,114756	8,193439	8,047365	8,0947663	8,11852	0,02375367	1,016601079	Ank
17240800	8,126276	8,160544	8,099839	8,112753	8,215649	8,129533	8,1288863	8,152645	0,02375867	1,016604602	Gopc
17484266	4,039766	4,057957	4,138837	4,176418	4,255088	3,876384	4,0788533	4,10263	0,02377667	1,016617286	C030029H02Rik
17308480	12,96702	13,09616	13,03299	12,87923	13,14383	13,14446	13,032057	13,05584	0,02378333	1,016621984	---
17217728	6,935883	6,915216	7,00247	6,90925	7,005494	7,010194	6,9511897	6,974979333	0,02378967	1,016626447	Kif21b
17306289	8,215912	8,477846	8,373045	8,28086	8,545167	8,312172	8,355601	8,379399667	0,02379867	1,016632789	Mettl3
17251799	7,954922	8,200426	8,156456	8,11805	8,149657	8,115499	8,1039347	8,127735333	0,02380067	1,016634198	Gps2
17484897	4,840665	4,470374	4,641397	4,427859	4,92639	4,669669	4,650812	4,674639333	0,02382733	1,01665299	Rplp2
17538983	5,154212	5,133477	4,650074	4,938715	5,047159	5,023399	4,9792543	5,003091	0,02383667	1,016659567	Foxr2
17209015	3,330246	4,641033	3,441319	3,905742	4,05874	3,51964	3,8041993	3,828040667	0,02384133	1,016662855	---
17294043	5,942336	5,565491	5,892482	5,690344	5,736526	6,044976	5,800103	5,823948667	0,02384567	1,016665909	Zfp85-rs1
17342810	5,58022	5,50574	5,808187	5,826625	5,593797	5,545328	5,6313823	5,65525	0,02386767	1,016681412	Tcp11
17250322	4,133309	4,193562	4,127646	3,859956	4,389489	4,276688	4,1515057	4,175377667	0,023872	1,016684466	1810063I02Rik
17539019	7,203474	6,977077	7,063705	6,946327	7,065885	7,303678	7,0814187	7,105296667	0,023878	1,016688694	Ubqln2
17208317	4,376448	4,73837	4,732798	4,915712	4,511512	4,492064	4,615872	4,639762667	0,02389067	1,016697621	---
17261528	3,734078	3,702311	4,233706	3,831372	3,807224	4,103185	3,8900317	3,913927	0,02389533	1,01670091	4930555O08Rik
17423756	5,83403	6,056609	5,941518	5,68304	5,993782	6,227035	5,9440523	5,967952333	0,0239	1,016704198	Ankrd6
17400801	7,19004	7,13636	7,057325	7,175143	7,498691	6,781645	7,1279083	7,151826333	0,023918	1,016716883	---
17505599	7,35076	7,382741	7,193548	7,419136	7,276237	7,303512	7,3090163	7,332961667	0,02394533	1,016736146	Vac14
17341300	3,196261	3,053003	3,015608	3,182571	3,082359	3,071855	3,0882907	3,112261667	0,023971	1,016754235	---
17412296	6,956191	6,991376	6,600867	6,778256	6,915669	6,926429	6,849478	6,873451333	0,02397333	1,016755879	Epha7
17477597	7,475618	7,50936	7,715576	7,647849	7,650714	7,473928	7,5668513	7,590830333	0,023979	1,016759873	Pnkp
17241780	8,331257	7,910772	7,971383	8,074533	8,048245	8,162601	8,0711373	8,095126333	0,023989	1,016766921	Ube2d1
17349281	4,708344	4,748244	5,013082	4,904452	4,704109	4,933132	4,8232233	4,847231	0,02400767	1,016780077	---
17369896	7,679753	7,826399	7,6719	7,624108	7,836307	7,78967	7,7260173	7,750028333	0,024011	1,016782426	St6galnac6
17233061	8,243074	8,373014	8,297045	8,078996	8,518486	8,387701	8,3043777	8,328394333	0,02401667	1,01678642	Atg5
17204751	4,453063	4,176444	4,853972	4,984605	3,949837	4,621095	4,494493	4,518512333	0,02401933	1,016788299	---
17534306	6,044874	5,976975	5,871526	6,2205	5,976975	5,767989	5,9644583	5,988488	0,02402967	1,016795582	Rhox7
17547867	5,944083	6,050047	5,767434	6,109014	5,706346	6,018347	5,9205213	5,944569	0,02404767	1,016808268	9930017N22Rik
17465636	6,148039	6,132251	5,541881	5,936392	6,158893	5,799038	5,9407237	5,964774333	0,02405067	1,016810382	Plxna4
17376608	6,579341	5,999454	6,312956	6,532626	6,429213	6,002092	6,2972503	6,321310333	0,02406	1,016816961	1110034G24Rik
17487170	5,845809	5,742587	5,911651	5,868206	5,785024	5,918997	5,833349	5,857409	0,02406	1,016816961	Gipr
17314686	4,90527	4,741238	5,234408	5,037317	5,185287	4,730524	4,9603053	4,984376	0,02407067	1,016824479	4930578M01Rik
17201613	3,982691	4,452331	3,936369	4,489577	4,249743	3,704355	4,123797	4,147891667	0,02409467	1,016841394	---
17499594	6,717969	6,725947	6,820758	6,680531	6,709049	6,947413	6,7548913	6,778997667	0,02410633	1,016849617	Defb4
17241420	7,097022	7,221101	7,073654	7,155818	7,144655	7,163623	7,1305923	7,154698667	0,02410633	1,016849617	2510003E04Rik
17544816	4,843433	4,625365	4,76931	4,618124	4,880304	4,812041	4,746036	4,770156333	0,02412033	1,016859485	Esx1
17484580	4,254088	4,525816	4,679183	4,658713	4,269187	4,603578	4,4863623	4,510492667	0,02413033	1,016866533	Olfr45
17321711	4,415906	4,486235	4,358252	4,354368	4,537756	4,44067	4,420131	4,444264667	0,02413367	1,016868883	5330439K02Rik
17514170	5,78176	5,553727	5,687228	5,730844	5,770733	5,593546	5,6742383	5,698374333	0,024136	1,016870527	Pcnxl2
17529694	4,318288	4,088354	4,243705	4,261614	4,238496	4,222645	4,2167823	4,240918333	0,024136	1,016870527	1700034K08Rik
17355859	5,746121	5,898618	5,737576	5,777803	5,953763	5,723157	5,794105	5,818241	0,024136	1,016870527	---
17340082	5,767676	5,496453	5,786057	5,794694	5,654156	5,673748	5,6833953	5,707532667	0,02413733	1,016871467	---
17448214	8,790007	8,76276	8,817857	9,031937	8,65555	8,755599	8,790208	8,814362	0,024154	1,016883214	Rell1
17359285	3,900707	4,119843	3,942848	3,976824	4,030186	4,028867	3,9877993	4,011959	0,02415967	1,016887209	Cyp2c29
17427476	6,431174	6,460989	6,416704	6,573228	6,386994	6,421133	6,436289	6,460451667	0,02416267	1,016889323	Ank4
17427443	4,128491	3,949574	4,016886	3,943857	4,111361	4,112226	4,0316503	4,055814667	0,02416433	1,016890498	E130114P18Rik
17401673	8,826318	8,845301	8,856674	8,80232	9,003411	8,795113	8,8427643	8,866948	0,02418367	1,016904125	Sort1
17402529	4,234332	4,257693	4,313778	4,453993	3,999057	4,425314	4,268601	4,292788	0,024187	1,016906475	9830132P13
17371796	4,290658	4,087398	4,187899	4,212541	4,188425	4,237558	4,1886517	4,212841333	0,02418967	1,016908354	---
17543827	3,603395	3,978524	3,716974	3,826476	3,718863	3,826147	3,7662977	3,790495333	0,02419767	1,016913993	Gm6222
17401023	6,087895	6,095741	6,057735	6,031171	6,095454	6,187415	6,080457	6,10468	0,024223	1,01693185	Igsf3
17550687	4,692905	5,374233	4,798501	5,037827	5,080185	4,820321	4,955213	4,979444333	0,02423133	1,016937724	---
17442691	6,862827	6,938684	6,822479	6,935624	6,909661	6,851407	6,8746633	6,898897333	0,024234	1,016939604	Zfp664
17271733	5,057689	5,073734	4,599831	5,099876	4,8511	4,852998	4,910418	4,934658	0,02424	1,016943833	AF251705
17421972	10,77411	10,77188	10,6929	10,62113	10,87837	10,81211	10,746297	10,77053667	0,02424	1,016943833	Errfi1
17329403	10,50594	10,26211	10,09443	10,33709	10,2602	10,33792	10,287493	10,31173667	0,02424333	1,016946183	Masp1
17208239	4,505625	3,847405	4,000672	4,357361	3,96611	4,102974	4,1179007	4,142148333	0,02424767	1,016949237	---
17360766	5,268935	4,854139	4,21841	5,030966	4,477505	4,905764	4,7804947	4,804745	0,02425033	1,016951117	1810018F18Rik
17274180	4,057117	4,051963	4,113051	4,188245	4,005653	4,101031	4,0740437	4,098309667	0,024266	1,016962161	Gm16497
17548430	4,196129	4,18825	4,17237	4,406292	3,977071	4,246201	4,185583	4,209854667	0,02427167	1,016966155	Smok3a
17322921	3,865225	3,714133	3,740036	3,675251	3,732652	3,98433	3,7731313	3,797411	0,02427967	1,016971794	---
17206689	3,196525	3,637246	3,587402	3,76877	3,529308	3,195951	3,4737243	3,498009667	0,02428533	1,016975789	---
17477428	4,434293	4,27394	4,332033	4,570568	4,278623	4,263952	4,3467553	4,371047667	0,02429233	1,016980723	Shank1
17425284	3,742168	3,668901	3,757663	3,638731	3,898973	3,703907	3,7229107	3,747203667	0,024293	1,016981193	2700081L22Rik
17312393	8,184573	8,359241	8,380198	8,272534	8,430211	8,294251	8,308004	8,332232	0,024328	1,017005866	---
17404616	6,803708	7,017769	6,817482	6,792325	6,947724	6,971925	6,879653	6,903991333	0,02433833	1,01701315	Mrpl47

17456318	7,348083	7,606233	7,357952	7,320538	7,55051	7,51425	7,4374227	7,461766	0,02434333	1,017016675	Ing3
17502295	6,672735	7,038991	7,092489	7,257596	6,79036	6,829296	6,9347383	6,959084	0,02434567	1,01701832	Jak3
17308669	6,520351	6,040016	6,398008	6,369929	6,601918	6,059589	6,3194583	6,343812	0,02435367	1,017023959	Gm15628
17512907	9,709236	9,833647	9,743546	9,754904	9,888065	9,716571	9,762143	9,786513333	0,02437033	1,017035708	Sf3b3
17409005	5,088975	4,866546	5,161077	4,991711	4,862046	5,335963	5,038866	5,06324	0,024374	1,017038293	Slc6a17
17372271	4,387509	4,236896	3,954814	4,001442	4,234543	4,416359	4,193073	4,217448	0,024375	1,017038998	---
17341758	4,991115	4,681153	4,88099	4,54618	5,009971	5,070245	4,851086	4,875465333	0,02437933	1,017042053	Ntn3
17534938	8,327211	8,523992	8,236417	8,393133	8,387972	8,379774	8,36254	8,386959667	0,02441967	1,017070487	Slc9a6
17230256	9,701304	9,708924	9,736439	9,656303	9,765069	9,798594	9,7155557	9,739988667	0,024433	1,017079886	Adss
17538862	9,488558	9,591653	9,597382	9,551693	9,580848	9,618362	9,5591977	9,583634333	0,02443667	1,017082471	Smc1a
17517120	4,144638	4,046662	4,006011	4,087231	4,122044	4,061396	4,0657703	4,090223667	0,02445333	1,017094221	Pih1d2
17494894	7,972324	7,990103	7,821444	7,945789	7,908266	8,003192	7,927957	7,952415667	0,02445867	1,017097981	St5
17286295	6,918327	6,917942	6,557985	6,561352	6,974333	6,931973	6,7980847	6,822552667	0,024468	1,017104561	Irf4
17550540	12,55164	12,59045	12,46082	12,46968	12,56272	12,64393	12,534303	12,55877667	0,02447333	1,017108321	---
17208937	4,854339	4,664747	4,463156	4,94015	4,579375	4,536154	4,6607473	4,685226333	0,024479	1,017112316	---
17274369	7,446468	7,148667	7,053983	7,318691	7,323111	7,080753	7,2163727	7,240851667	0,024479	1,017112316	Gm5784
17406688	7,302074	7,514819	6,869929	7,322551	7,17379	7,263936	7,2289407	7,253425667	0,024485	1,017116546	Rhbg
17511925	2,975446	2,966998	3,011801	2,931351	3,083368	3,012998	2,9847483	3,009239	0,02449067	1,017120541	---
17373262	9,35757	9,4144	9,507526	9,437033	9,554072	9,361867	9,4264987	9,450990667	0,024492	1,017121481	Arfgap2
17346007	4,52184	4,379308	4,659351	4,442994	4,511284	4,679708	4,5201663	4,544662	0,02449567	1,017124067	Sult1c1
17453304	9,449572	9,427816	9,429432	9,408856	9,575294	9,396164	9,4356067	9,460104667	0,024498	1,017125712	Gtf2i
17350909	7,356894	7,415311	7,32582	7,526803	7,386493	7,258285	7,3660083	7,390527	0,02451867	1,017140282	Chsy3
17287957	3,833118	3,84298	3,749142	3,397795	4,145807	3,955215	3,8084133	3,832939	0,02452567	1,017145217	Gm4934
17417988	7,351487	7,28741	7,27669	7,282088	7,281256	7,425834	7,3051957	7,329726	0,02453033	1,017148507	Scmh1
17293706	11,8411	11,85076	11,68377	11,6754	11,91551	11,85832	11,791877	11,81641	0,02453333	1,017150623	Ctsl
17466273	3,561037	3,373702	3,706297	3,592456	3,616274	3,505908	3,547012	3,571546	0,024534	1,017151093	---
17313433	6,921723	6,844916	6,881261	7,08459	6,738145	6,89878	6,8826333	6,907171667	0,02453833	1,017154148	Xrcc6
17439739	3,173329	3,113728	3,152306	3,22815	3,225462	3,05942	3,1464543	3,171010667	0,02455633	1,017166838	---
17370345	3,258805	3,330717	3,569252	3,573314	3,121081	3,538069	3,386258	3,410821333	0,02456333	1,017171774	Olfr348
17326926	3,993048	4,034204	3,97538	4,086336	4,074562	3,915452	4,0008773	4,02545	0,02457267	1,017178354	Gm10229
17257559	9,104475	9,130198	8,967768	8,821804	9,410851	9,043543	9,0674803	9,092066	0,02458567	1,01718752	---
17371092	4,586943	4,910618	4,971004	4,84498	4,816566	4,880822	4,822855	4,847456	0,024601	1,017198331	Pla2r1
17238363	12,06896	12,20824	12,16768	12,1671	12,19236	12,15923	12,148293	12,17289667	0,02460333	1,017199976	Apof
17396228	5,281733	5,240199	5,010584	5,202113	5,161883	5,242343	5,1775053	5,202113	0,02460767	1,017203031	Dnajc5b
17236636	4,30894	4,161777	4,449769	4,413975	4,310338	4,270011	4,3068287	4,331441333	0,02461267	1,017206557	4930471D02Rik
17244570	8,913705	8,796651	8,966749	8,8863	8,827502	9,037148	8,8923683	8,916983333	0,024615	1,017208202	---
17450022	10,66366	10,56124	10,58584	10,62162	10,61079	10,65218	10,60358	10,62819667	0,02461667	1,017209377	Hnrnpd
17341690	9,547601	9,563812	9,51512	9,508781	9,611551	9,58007	9,5421777	9,566800667	0,024623	1,017213843	Pdpk1
17469506	5,229798	5,235312	5,026243	5,026988	5,183229	5,355097	5,1637843	5,188438	0,02465367	1,017235465	Cntn3
17551093	11,3163	11,31066	11,27626	11,28892	11,25751	11,43076	11,301073	11,32573	0,02465667	1,017237581	---
17539536	6,044846	6,197774	5,949184	6,169447	6,041801	6,054528	6,0639347	6,088592	0,02465733	1,017238051	Figf
17222815	3,883761	4,011001	3,81236	3,994988	4,030355	3,755769	3,902374	3,927037333	0,02466333	1,017242281	---
17202443	5,688782	5,258146	5,286657	5,265772	4,902479	6,139413	5,411195	5,435888	0,024693	1,017263199	---
17541793	3,369715	3,310449	3,43964	3,487075	3,390978	3,315842	3,373268	3,397965	0,024697	1,01726602	1700013H16Rik
17345465	7,377092	7,672171	7,636487	7,632706	7,661259	7,465877	7,5619167	7,586614	0,02469733	1,017266255	Srf
17312341	10,19994	10,19848	10,2295	10,14056	10,28934	10,27214	10,209307	10,23401333	0,02470667	1,017272836	Grina
17368714	7,401332	7,412302	7,426733	7,343704	7,517062	7,453728	7,4134557	7,438164667	0,024709	1,017274481	Tsc1
17520662	4,829853	4,947163	4,692251	4,950509	4,706732	4,886162	4,823089	4,847801	0,024712	1,017276597	Prr23a
17225988	2,980496	3,10343	3,066267	3,034851	3,164525	3,024968	3,0500643	3,074781333	0,024717	1,017280122	---
17312251	5,345353	5,023254	5,36797	5,326647	5,088187	5,395955	5,2455257	5,270263	0,02473733	1,01729446	2810039B14Rik
17484752	8,89748	8,895095	8,88926	8,942458	8,978981	8,834718	8,893945	8,918719	0,024774	1,017320315	Ptdss2
17203851	4,889855	5,246468	4,631076	4,807048	4,838226	5,196462	4,9224663	4,947245333	0,024779	1,017323841	---
17401625	5,627679	5,747201	5,667354	5,769022	5,819474	5,528126	5,6807447	5,705540667	0,024796	1,017335829	Ampd2
17357558	8,534712	9,13662	8,93572	8,662449	8,988273	9,030727	8,8690173	8,893816333	0,024799	1,017337944	---
17468495	5,573061	5,526571	5,266638	5,533587	5,679137	5,227973	5,4554233	5,480232333	0,024809	1,017344996	A430078I02Rik
17501308	3,568626	3,767294	4,112939	3,854025	3,585665	4,083652	3,8162863	3,841114	0,02482767	1,017358159	Gm2921
17460590	9,90291	9,691199	9,862929	9,956529	9,87655	9,698453	9,8190127	9,843844	0,02483133	1,017360745	---
17489414	6,394569	6,260691	6,294499	6,32305	6,321675	6,379546	6,3165863	6,341423667	0,02483733	1,017364976	Fxyd7
17201157	5,902935	6,335723	5,602034	5,735074	6,136437	6,043715	5,9468973	5,971742	0,02484467	1,017370147	---
17380578	6,955338	7,141367	6,993374	7,011955	7,223988	6,928676	7,0300263	7,054873	0,02484667	1,017371557	Etohi1
17507950	5,004405	5,018317	5,438826	5,30899	4,994715	5,232392	5,1538493	5,178699	0,02484967	1,017373673	Defb15
17537401	4,266134	5,155464	4,718993	4,251406	5,211252	4,752495	4,7135303	4,738384333	0,024854	1,017376729	Gm17361
17537442	4,266134	5,155464	4,718993	4,251406	5,211252	4,752495	4,7135303	4,738384333	0,024854	1,017376729	Gm17361
17474934	6,102437	6,143903	6,115922	6,304176	5,878593	6,254063	6,120754	6,145610667	0,02485667	1,017378609	Lypd5
17484419	4,865251	4,524677	4,853517	4,679229	4,959703	4,679084	4,747815	4,772672	0,024857	1,017378844	Kndc1
17246067	8,136444	7,91718	7,876283	8,095943	7,990156	7,918388	7,9766357	8,001495667	0,02486	1,01738096	Rbms2
17228694	4,404371	4,085044	4,516355	4,366024	4,425232	4,289138	4,3352567	4,360131333	0,02487467	1,017391303	1600012P17Rik
17514063	4,52542	4,648767	4,746218	4,76744	4,506176	4,721424	4,640135	4,665013333	0,02487833	1,017393889	Pgbd5
17542642	7,820725	7,869622	7,764095	7,825525	7,898614	7,804945	7,8181473	7,843028	0,02488067	1,017395534	Dnase1l1
17536736	8,433219	8,332781	8,367836	8,378775	8,292284	8,537441	8,3779453	8,402833333	0,024888	1,017400706	Gjb1
17289547	3,87756	4,442192	4,388819	3,933128	4,266979	4,58314	4,2361903	4,261082333	0,024892	1,017403527	Etv1 // Etv1
17499768	6,147921	6,025339	5,995592	6,094935	6,060015	6,088665	6,056284	6,081205	0,024921	1,017423978	Defa20
17366006	3,014272	2,973156	3,152734	3,189692	2,996136	3,02911	3,0467207	3,071646	0,02492533	1,017427034	Mir3086
17233338	3,663558	3,587554	3,624892	3,712584	3,5359	3,702332	3,6253347	3,650272	0,02493733	1,017435497	Gm16998
17541222	5,289086	5,122355	5,003845	5,124468	5,078779	5,286898	5,1384287	5,163381667	0,024953	1,017446545	---
17549100	3,432011	3,338186	3,442861	3,464562	3,432011	3,391389	3,4043527	3,429320667	0,024968	1,017457124	---
17498567	7,537586	7,502736	7,648657	7,638174	7,652259	7,473489	7,562993	7,587974	0,024981	1,017466292	Arhgef18
17237451	8,211042	8,543064	7,982717	8,404455	8,160721	8,246613	8,2456077	8,270596333	0,02498867	1,017471699	Ptprb
17201419	4,908795	4,762604	4,803756	4,892255	4,721482	4,936389	4,8250517	4,850042	0,02499033	1,017472875	---
17231682	4,129308	3,248492	3,730722	3,694607	3,938025	3,550884	3,7028407	3,727838667	0,024998	1,017478282	---
17290420	8,797691	8,631266	8,683043	8,654408	8,78376	8,748827	8,704	8,728998333	0,02499833	1,017478517	Zmynd11
17262344	12,47955	12,47989	12,40642	12,43348	12,53196	12,47552	12,455287	12,48032	0,02503333	1,017503201	---
17322476	8,55691	8,388729	8,42034	8,51919	8,413368	8,508542	8,4553263	8,480366667	0,02504033	1,017508138	Nat15
17436761	5,915663	6,12335	5,890761	6,025005	6,00095	5,978966	5,9765913	6,001640333	0,025049	1,017514251	Rgs12
17356577	5,420359	5,223866	5,616708	5,428254	5,474249	5,433599	5,420311	5,445367333	0,02505633	1,017519423	Gm10814
17523254	5,992842	5,772367	6,203134	6,267233	5,895298	5,881004	5,9894477	6,014511667	0,025064	1,01752483	---
17214307	5,351132	5,117573	5,514136	5,347976	5,506491	5,203585	5,3276137	5,352684	0,02507033	1,017529297	Stk36
17350281	7,687595	7,896895	7,813267	7,767079	7,918322	7,787574	7,7992523	7,824325	0,02507267	1,017530943	Dcp2
17332653	6,265244	5,887804	6,059318	5,975656	6,208258	6,103678	6,0707887	6,095864	0,02507533	1,017532823	C030010L15Rik
17427961	9,307816	9,050508	9,062274	9,016484	9,261654	9,217741	9,1401993	9,165293	0,02509367	1,017545754	Cpt2
17204323	4,361684	4,632403	4,213569	3,887848	4,526604	4,86849	4,402552	4,427647333	0,02509533	1,017546929	---
17243252	6,384581	6,334213	6,233185	6,412328	6,374262	6,240697	6,3173263	6,342429	0,02510267	1,017552102	Tjp3
17312581	7,062037	7,164357	7,066229	7,126796	7,119808	7,121341	7,097541	7,122648333	0,02510733	1,017555393	Mfsd3
17282268	3,91102	3,972962	4,137849	4,091165	3,975538	4,030478	4,007277	4,032393667	0,02511667	1,017561976	---
17378507	9,31935	9,351691	9,320788	9,278524	9,37921	9,409462	9,3306097	9,355732	0,02512233	1,017565973	Ergic3
17202187	3,832572	3,312093	3,710825	3,976915	3,141289	3,81266	3,6184967	3,643621333	0,02512467	1,017567619	---
17519290	5,824803	5,530907	5,963936	5,715913	5,719799	5,959318	5,7732153	5,798343333	0,025128	1,01756997	Khdc3
17286132	4,279459	4,023454	4,025877	4,421437	4,113662	3,869077	4,1095967	4,134725333	0,02512867	1,01757044	Prl3d3
17341696	10,3946	10,46474	10,31374	10,50261	10,48689	10,25897	10,391027	10,41615667	0,02513	1,01757138	---
17333202	3,639024	3,426476	3,455994	3,564146	3,508893	3,523853	3,5071647	3,532297333	0,02513267	1,017573261	---
17524597	7,75801	7,892486	7,788723	7,827222	7,864491	7,822918	7,813073	7,838210333	0,02513733	1,017576553	Raver1-fdx1l
17496691	6,764667	6,672357	6,33313	6,519186	6,744006	6,582411	6,5900513	6,615201	0,02514967	1,017585252	Zfp764
17486967	9,947243	9,881499	9,983099	9,950117	10,01369	9,923609	9,9372803	9,962472	0,02519167	1,017614877	Calm3 // Calm2 // Calm1
17221375	5,813211	5,51467	5,663551	5,797771	5,55536	5,713885	5,6638107	5,689005333	0,02519467	1,017616993	Eya1
17410519	4,617475	4,427821	4,694308	4,433071	4,867783	4,514337	4,579868	4,605063667	0,02519567	1,017617698	4930539C22Rik // 4930539C22Rik
17302009	7,326267	7,551868	7,51279	7,581194	7,525324	7,360017	7,4636417	7,488845	0,02520333	1,017623106	Zc3h13
17517812	6,081601	5,998704	5,906646	6,04046	5,982941	6,03918	5,9956503	6,020860333	0,02521	1,017627808	Sema7a
17500097	8,643257	8,872052	8,819102	8,728143	8,887025	8,794884	8,778137	8,803350667	0,02521367	1,017630394	Tm2d2
17353948	8,062415	7,946099	7,506127	7,64146	7,882547	8,066279	7,8382137	7,86342866	0,025215	1,017631335	Gnpda1
17543321	6,266848	6,276053	6,089017	6,156227	6,566991	5,983374	6,210306	6,235530667	0,02522467	1,017638154	Zc4h2
17262202	7,273731	8,15921	7,057325	7,684034	7,461034	7,420907	7,4967553	7,521991667	0,02523633	1,017646383	Irgm1
17455298	5,215235	5,14418	5,212308	5,242129	5,168907	5,236423	5,1905743	5,215819667	0,02524533	1,017652731	2210019I11Rik
17246505	6,396012	6,180592	6,318438	6,545643	6,297346	6,127794	6,2983473	6,323594333	0,025247	1,017653907	LOC434624
17394003	5,231578	5,321161	5,066659	5,00235	5,416401	5,27639	5,206466	5,231713667	0,02524767	1,017654377	Mybl2 // Mybl2
17436683	7,773124	7,921178	7,792189	7,939086	7,871753	7,751401	7,8288303	7,85408	0,02524967	1,017655788	Htt
17482791	5,033352	5,032043	5,028385	5,065774	5,118165	4,985599	5,03126	5,056512667	0,02525267	1,017657904	---
17355538	7,674824	7,863904	7,741603	7,893614	7,748963	7,71353	7,7601103	7,785369	0,02525867	1,017662137	Haus1
17323110	4,19074	4,030264	3,900642	3,873861	4,085589	4,237977	4,0405487	4,065809	0,02526033	1,017663312	Ifitm7
17476959	8,065882	8,062858	8,226001	8,181582	8,069836	8,17916	8,118247	8,143526	0,025279	1,01767648	2610021A01Rik
17274344	7,552743	7,306086	7,552743	7,469633	7,698878	7,318967	7,470524	7,495826	0,025302	1,017692704	---
17478028	4,642346	4,251805	4,812047	4,555273	4,891695	4,335138	4,5687327	4,594035333	0,02530267	1,017693174	Grin2d
17548577	3,73035	3,694411	3,910689	3,843105	3,973848	3,594405	3,7784833	3,803786	0,02530267	1,017693174	Zfp507 // Zfp507
17520769	3,085855	2,861243	3,123178	3,110585	2,939525	3,096105	3,0234253	3,048738333	0,025313	1,017700463	---
17462872	7,217563	7,087694	6,931353	7,068116	7,167109	7,077335	7,07887	7,104186667	0,02531667	1,01770305	C1ra
17505111	4,966814	5,075635	4,853076	4,682725	5,04665	5,242107	4,965175	4,990494	0,025319	1,017704696	Gm10629
17343962	4,116128	4,030545	4,237112	4,1096	4,149681	4,200489	4,1279283	4,153256667	0,02532833	1,01771128	Cyp21a1
17452294	7,288128	7,43488	7,312861	7,326033	7,404187	7,381649	7,3452897	7,370623	0,02533333	1,017714807	Sh2b3
17335770	7,564643	7,537807	7,518631	7,466959	7,687165	7,542972	7,5403603	7,565698667	0,02533833	1,017718334	Abcg1
17260036	7,301707	7,444465	7,289222	7,362741	7,320354	7,428319	7,3451313	7,370471333	0,02534	1,01771951	Nf2
17231617	3,338461	3,125006	3,558468	3,40742	3,501384	3,189207	3,340645	3,366003667	0,02535867	1,017732678	---
17207569	6,401258	6,753524	7,518497	7,108752	6,893061	6,747555	6,891093	6,916456	0,025363	1,017735735	---
17306049	5,713419	5,697233	5,919567	5,870101	5,777197	5,759013	5,7767397	5,802103667	0,025364	1,01773644	A930018M24Rik
17490452	8,03916	8,199144	8,238547	8,170915	8,214442	8,167601	8,1589503	8,184319333	0,025369	1,017739968	Ap2a1
17481620	3,751348	3,726521	3,577173	3,837042	3,68522	3,608902	3,685014	3,710388	0,025374	1,017743495	Olfr498

17297551	10,01892	9,906877	9,781281	9,923017	9,948792	9,911534	9,9023593	9,927781	0,02542167	1,017777122	Vcl
17219766	5,232438	5,067682	5,023824	5,181586	5,056635	5,162017	5,1079813	5,133412667	0,02543133	1,017783941	Fmn2
17459365	3,975029	4,027244	3,831059	3,938407	3,939897	4,031332	3,944444	3,969878667	0,02543467	1,017786293	---
17349130	4,433419	4,302334	4,357829	4,264503	4,54757	4,357829	4,3645273	4,389967333	0,02544	1,017790055	---
17497058	5,049971	4,899312	4,916758	4,834785	5,248829	4,858767	4,955347	4,980793667	0,02544667	1,017794758	Cpxm2
17293240	8,780886	9,031622	8,800432	9,007849	8,745724	8,93572	8,87098	8,896431	0,025451	1,017797816	---
17272077	4,863712	4,921103	5,131618	5,203695	4,89999	4,889157	4,9721443	4,997614	0,02546967	1,017810985	---
17208293	4,942048	5,934456	5,179594	5,314412	5,289804	5,528342	5,3520327	5,377519333	0,02548667	1,017822978	---
17268380	7,935127	8,146328	8,00997	8,060812	8,1919	7,915195	8,030475	8,055969	0,025494	1,017828152	Cdk5rap3
17200111	3,563268	4,329623	3,628283	3,393095	3,90834	4,29625	3,8403913	3,865895	0,02550367	1,017834972	---
17473730	4,879362	5,026613	4,376241	4,900973	4,658829	4,798974	4,7607387	4,786258667	0,02552	1,017846495	Vmn1r77
17342298	5,207161	5,795428	5,509934	5,1881	5,664549	5,736488	5,5041743	5,529712333	0,025538	1,017859194	Sox8
17407306	7,015074	7,097996	6,979216	7,02444	7,123521	7,020954	7,030762	7,056305	0,025543	1,017862722	Npr1
17378138	4,35557	4,401299	4,631742	4,324849	4,729017	4,411382	4,4628703	4,488416	0,02554567	1,017864603	Bpifa5
17353143	8,385576	8,566199	8,139353	8,303185	8,388416	8,476228	8,3637093	8,389276333	0,025567	1,017879655	Rprd1a
17352997	8,965107	8,889001	8,779463	8,880869	8,901928	8,927546	8,877857	8,903447667	0,02559067	1,017896353	Trappc8
17298223	8,609246	8,600806	8,626853	8,505629	8,709419	8,69864	8,6123017	8,637896	0,02559433	1,01789894	Sfmbt1
17463150	6,160641	6,204007	6,208858	6,145878	6,122175	6,382254	6,1911687	6,216769	0,02560033	1,017903173	Vamp1
17506439	5,860655	6,019817	5,980174	6,053298	5,899379	5,984797	5,9535487	5,979158	0,02560933	1,017909523	---
17448693	4,67236	4,615095	4,698809	4,632418	4,843543	4,587269	4,662088	4,687743333	0,02565533	1,01794198	Txk
17419875	4,348948	4,085107	3,913881	4,263869	4,083797	4,077256	4,1159787	4,141640667	0,025662	1,017946683	1700029M20Rik
17323401	6,639977	6,245872	6,505	6,615547	6,380928	6,471425	6,4636163	6,4893	0,02568367	1,017961971	---
17435946	8,589018	7,970933	8,408949	7,764219	8,617243	8,664513	8,3229667	8,348658333	0,02569167	1,017967616	Preb // Preb
17306321	3,604775	3,903945	3,54338	3,803447	3,745188	3,580559	3,6840333	3,709731333	0,025698	1,017972085	Olfr1508
17440461	6,706214	6,518261	6,512919	6,459595	6,65938	6,695544	6,5791313	6,604839667	0,02570833	1,017979376	---
17484966	10,04412	10,14747	9,965252	9,908807	10,15631	10,16888	10,052281	10,077999	0,02571833	1,017986432	Ap2a2
17293573	5,191997	5,078138	5,083866	4,985159	5,232624	5,213389	5,1180003	5,143724	0,02572367	1,017990196	Fancc
17352216	4,923764	4,820033	5,102196	4,971826	5,082847	4,868505	4,9486643	4,974392667	0,02572833	1,017993488	Fam69c
17389324	9,262028	9,337986	9,125823	9,240536	9,345083	9,217464	9,2419457	9,267694333	0,02574867	1,018007836	Tmem85
17216574	8,561413	8,600918	8,545094	8,627406	8,579556	8,577724	8,5691417	8,594895333	0,02575367	1,018011364	Clasp1
17221258	10,59637	10,88965	10,85618	10,86562	10,85072	10,70313	10,780733	10,80649	0,02575667	1,018013481	---
17549162	6,966727	7,04974	7,194942	6,937284	7,146364	7,205036	7,0704697	7,096228	0,02575833	1,018014657	---
17316436	7,062263	6,985456	7,074966	6,963446	7,181574	7,054955	7,040895	7,066658333	0,02576333	1,018018185	Cox6c
17248975	4,234473	4,057937	4,114085	4,330585	4,177287	3,975945	4,1354983	4,161272333	0,025774	1,018025712	Olfr1386
17538433	3,10967	3,05233	3,189882	3,180693	3,142342	3,106176	3,117294	3,143070333	0,02577633	1,018027359	Mir1264
17208519	5,369846	5,013645	5,348589	5,441926	5,365747	5,001745	5,2440267	5,269806	0,02577933	1,018029476	---
17422261	5,297932	4,948603	5,029074	5,419401	5,018326	4,915236	5,0918697	5,117654333	0,02578467	1,018033239	---
17392943	6,993146	7,192757	7,438848	7,371303	7,197865	7,133005	7,2082503	7,234057667	0,02580733	1,018049234	Zcchc3
17531979	10,39926	10,70511	10,5804	10,59572	10,53127	10,63526	10,56159	10,58741667	0,02582667	1,018062877	---
17490806	7,795711	7,911033	7,826277	7,778028	7,898667	7,933877	7,8443403	7,870190667	0,02585033	1,018079578	Ruvbl2
17259613	8,489263	8,679642	8,565094	8,548376	8,637941	8,625257	8,5779997	8,603858	0,02585833	1,018085223	Fn3krp
17204595	7,72665	7,873348	7,714829	7,89117	7,942273	7,55898	7,771609	7,797474333	0,02586533	1,018090163	---
17460752	4,659973	4,282094	4,462122	4,51293	4,43267	4,536222	4,468063	4,493940667	0,02587767	1,018098866	Vmn1r44
17381475	6,498153	6,638006	6,470368	6,537683	6,617358	6,529121	6,535509	6,561387333	0,02587833	1,018099337	Celf2
17347922	5,717254	5,646829	5,517533	5,848547	5,622251	5,488455	5,6272053	5,653084333	0,025879	1,018099807	---
17406604	7,115264	7,093172	7,325072	7,303558	7,17144	7,136183	7,177836	7,203727	0,025891	1,018108276	Prcc
17283947	5,76201	5,495741	5,859168	5,684978	5,823604	5,686036	5,7056397	5,731539333	0,02589967	1,018114392	Begain
17341106	5,338171	5,152363	5,249727	5,36284	5,150739	5,3044	5,2467537	5,272659667	0,025906	1,018118861	Wdr27
17290217	8,365314	8,474574	7,858116	8,226944	8,28613	8,262707	8,232668	8,258593667	0,02592567	1,01813274	BC016423
17343680	5,89648	7,29662	7,016697	6,656759	6,235569	7,395252	6,736599	6,762526667	0,02592767	1,018134152	---
17529492	3,762303	3,341254	3,557163	3,689035	3,585677	3,463813	3,5535733	3,579508333	0,025935	1,018139327	---
17216412	4,018304	3,98848	3,930189	4,028202	3,954037	4,032539	3,978991	4,004926	0,025935	1,018139327	Serpinb12
17466226	4,430601	4,252227	3,720241	4,345654	3,825481	4,309849	4,1343563	4,160328	0,02597167	1,018165204	Olfr461
17229537	7,24365	7,373152	7,336832	7,497162	7,239803	7,294598	7,317878	7,343854333	0,02597633	1,018168497	Nos1ap
17429650	4,017018	3,964967	3,958058	3,970787	4,004291	4,042917	3,9800143	4,005998333	0,025984	1,018173908	---
17427204	7,590424	7,504693	7,678698	7,433074	7,662347	7,756349	7,5912717	7,617256667	0,025985	1,018174614	Tusc1
17264867	7,860606	8,109035	7,970513	7,879177	8,113954	8,024991	7,9800513	8,006040667	0,02598933	1,018177672	Senp3
17494813	3,535195	3,249143	3,124092	3,142593	3,311193	3,532612	3,30281	3,328799333	0,02598933	1,018177672	Olfr516
17498830	5,95025	5,927948	6,215798	6,227557	6,115557	5,828884	6,031332	6,057332667	0,02600067	1,01818567	Ccl25
17272722	6,443892	6,360202	6,260171	6,523198	6,208319	6,410761	6,354755	6,380759333	0,02600433	1,018188258	Cyth1
17502692	4,072999	3,92671	3,979145	3,974788	4,127517	3,954606	3,9929513	4,018970333	0,026019	1,018198609	Ttc29
17373530	6,716007	6,67	7,070578	6,93574	6,79294	6,805976	6,8188617	6,844885333	0,02602367	1,018201903	Syt13
17320614	7,502502	7,69695	7,551678	7,602793	7,671648	7,554773	7,58371	7,609738	0,026028	1,018204961	Kif21a
17484881	9,040419	9,316394	9,130847	9,087698	9,348009	9,130083	9,1625533	9,188596667	0,02604333	1,018215783	Taldo1
17302596	3,021777	3,185971	3,048501	2,930766	3,319201	3,084422	3,0854163	3,111463	0,02604667	1,018218135	---
17201237	7,061123	6,881983	6,906573	7,1696	6,693802	7,064476	6,949893	6,975959333	0,02606633	1,018232016	---
17549026	3,737335	3,859339	4,126208	3,962524	4,106936	3,731633	3,9076273	3,933697667	0,02607033	1,018234839	---
17549034	3,737335	3,859339	4,126208	3,962524	4,106936	3,731633	3,9076273	3,933697667	0,02607033	1,018234839	---
17252065	8,339522	8,292747	7,999404	8,231108	8,165977	8,31284	8,2105577	8,236641667	0,026084	1,018244485	Gltpd2
17512464	10,02837	9,982161	10,0562	10,26082	9,992777	9,891445	10,022244	10,04834733	0,02610367	1,018258365	---
17412327	3,286741	3,340995	3,484267	3,457615	3,491564	3,241142	3,3706677	3,396773667	0,026106	1,018260012	---
17541946	3,773316	3,656633	3,755818	3,787848	3,797425	3,678866	3,728589	3,754713	0,026124	1,018272717	Mir504
17438177	5,934166	5,92723	6,001327	5,953863	5,92218	6,065077	5,954241	5,980373333	0,02613233	1,018278599	Usp46
17508471	8,849115	9,02227	8,950366	8,945074	9,021029	8,934082	8,9405837	8,966728333	0,02614467	1,018287304	Fnta
17284664	5,334542	5,044969	5,325087	5,197804	5,272459	5,312782	5,234866	5,261015	0,026149	1,018290362	Ighg // Ighg
17499396	7,45234	7,481884	7,553312	7,451852	7,617534	7,496618	7,4958453	7,522001333	0,026156	1,018295303	Fbxo25
17504632	5,941321	5,763493	5,742188	5,770985	5,963626	5,790889	5,8156673	5,841833333	0,026166	1,018302361	Ces4a
17239384	7,172685	7,163229	7,483554	7,203154	7,412401	7,282438	7,273156	7,299331	0,026175	1,018308714	Phactr2
17363177	7,772474	7,837426	7,767354	7,733896	7,832761	7,889129	7,792418	7,818595333	0,02617733	1,018310361	Tle4
17212548	5,147737	4,768514	4,87421	5,250483	4,554527	5,064001	4,9301537	4,956337	0,02618333	1,018314596	Dnahc7b
17480600	5,130168	5,160115	5,071732	5,090471	5,097736	5,252366	5,1206717	5,146857667	0,026186	1,018316478	Xrra1
17356502	7,133147	7,230016	7,232249	7,232709	7,081089	7,360174	7,1984707	7,224657333	0,02618667	1,018316949	Map3k11
17481723	10,45822	10,66827	10,56678	10,66529	10,49415	10,61241	10,564423	10,59061667	0,02619333	1,018321654	Snora23
17465497	7,450743	7,390766	7,684553	7,446967	7,716659	7,441017	7,5086873	7,534881	0,02619367	1,01832189	Zc3hc1
17302834	8,35798	8,292387	8,306177	8,323792	8,303997	8,407341	8,318848	8,345043333	0,02619533	1,018323066	Ubac2
17201809	6,36687	6,704289	7,001722	6,26844	6,846109	7,036919	6,6909603	6,717156	0,02619567	1,018323301	---
17201985	6,36687	6,704289	7,001722	6,26844	6,846109	7,036919	6,6909603	6,717156	0,02619567	1,018323301	---
17317349	9,105019	9,154856	9,081858	9,14127	9,235723	9,043331	9,113911	9,140108	0,026197	1,018324242	E430025E21Rik
17550633	6,369489	6,400365	6,557663	6,495593	6,428563	6,481955	6,4425057	6,468703667	0,026198	1,018324948	---
17395039	3,739178	3,601481	3,77277	3,538942	3,818482	3,834648	3,7044763	3,730690667	0,02621433	1,018336477	---
17278692	4,360488	4,52194	4,856553	4,612957	4,64852	4,556168	4,5796603	4,605881667	0,02622133	1,018341418	Mir337
17272239	3,607658	3,859212	3,787753	3,721998	3,959443	3,651848	3,751541	3,777763	0,026222	1,018341889	---
17533124	3,516202	3,418037	3,548848	3,454789	3,317344	3,789626	3,4943623	3,520586333	0,026224	1,018343301	Ssxb9
17401902	6,040848	5,741309	5,918118	6,073263	5,945909	5,759829	5,9000917	5,926333667	0,026242	1,018356006	Col11a1
17455799	4,466679	4,436061	4,363809	4,511283	4,429772	4,404222	4,422183	4,448425667	0,02624267	1,018356477	---
17466906	12,35042	11,88813	12,3012	12,04169	12,38194	12,19486	12,179917	12,20616333	0,02624667	1,0183593	---
17378326	9,284681	9,68391	9,2785	9,281208	9,552071	9,492564	9,415697	9,441947667	0,02625067	1,018362124	---
17200997	8,330046	8,064853	8,257923	8,12631	8,135468	8,469824	8,2176073	8,243867333	0,02626	1,018368712	---
17400023	6,320937	6,480251	6,426536	6,209674	6,55356	6,543271	6,4092413	6,435501667	0,02626033	1,018368947	Them4
17404816	4,561302	4,818542	4,718209	4,845244	4,823214	4,508451	4,699351	4,725636333	0,02628533	1,018386594	Gm11549
17383774	5,164808	5,092212	5,069451	5,108567	5,283235	5,013545	5,1088237	5,135115667	0,026292	1,0183913	D330023K18Rik
17466421	3,392682	3,061943	3,374898	3,304776	3,19836	3,405271	3,2765077	3,302802333	0,02629467	1,018393183	Olfr456
17547715	6,25473	6,308641	6,308641	6,260663	6,349039	6,341245	6,2906707	6,316982333	0,02631167	1,018405183	---
17237758	4,81989	4,822742	4,89337	4,871039	4,915401	4,828514	4,845334	4,871651333	0,02631733	1,018409183	Gm4489
17273700	6,305335	6,299802	6,178774	6,162393	6,368943	6,33153	6,2613037	6,287622	0,02631833	1,018409889	Dnajc27
17242140	4,801906	4,862103	4,553414	4,991665	4,624277	4,680448	4,739141	4,765463333	0,02632233	1,018412713	4930483K19Rik
17428714	6,800573	6,825453	6,981172	6,839771	6,945992	6,900411	6,869066	6,895391333	0,02632533	1,01841483	Toe1
17460918	6,931705	7,163125	6,835547	7,040969	7,160385	6,808025	6,9767923	7,003126333	0,026334	1,018420948	Tmem43
17350901	4,099782	3,890979	3,967542	4,14051	3,97978	3,917021	3,9861101	4,012437	0,026336	1,01842236	A730017C20Rik
17485517	3,421399	3,160679	3,388498	3,31386	3,314289	3,421503	3,3235253	3,349884	0,02635867	1,018438361	---
17339620	8,859441	8,972459	9,164686	8,815546	9,225131	9,035	8,9988862	9,025225667	0,02636367	1,018441891	Yipf4
17476916	5,584393	5,610737	5,696434	5,803051	5,614007	5,55371	5,6305213	5,656922667	0,02640133	1,018468481	Vstm2b
17473215	6,266804	6,349707	6,082051	6,039836	6,340775	6,397166	6,232854	6,259259	0,026405	1,01847107	Tmc4 // Tmc4
17275498	11,05879	11,33462	11,10864	11,29984	11,17125	11,11021	11,16735	11,19376667	0,02641667	1,018479306	Srp54b
17296115	4,030943	3,997739	4,326753	4,16817	4,139633	4,126885	4,1184783	4,144896	0,02641767	1,018480012	Rab3c
17456540	4,708367	4,275829	4,266269	4,474171	4,414302	4,44125	4,4168217	4,443241	0,02641933	1,018481188	---
17530967	12,00231	12,01373	11,97151	12,01124	12,02977	12,02581	11,99585	12,02227333	0,02642333	1,018484012	Slc38a3
17346276	5,649187	5,732703	6,235253	5,585024	6,127175	5,984244	5,872381	5,898814333	0,02643333	1,018491072	Gm20219
17426237	12,70055	12,624	12,66049	12,72556	12,69229	12,64649	12,66168	12,68811333	0,02643333	1,018491072	Ambp
17370874	3,505193	3,78193	3,669356	3,800499	3,557277	3,678008	3,6521597	3,678594667	0,026435	1,018492248	---
17540612	5,000279	4,903141	4,948351	5,089419	4,932546	4,909125	4,9505903	4,97703	0,02643967	1,018495543	Gm5934
17531999	7,470107	7,734138	7,395108	7,708378	7,471041	7,499285	7,5331177	7,559568	0,02645033	1,018503073	Rbms3
17300332	3,96032	3,787036	4,038081	4,26872	3,797413	3,798662	3,928479	3,954931667	0,02645267	1,01850472	---
17392600	5,068768	4,841589	4,856146	4,925875	4,966548	4,953461	4,9221677	4,948628	0,02646033	1,018510133	9230104L09Rik
17514986	3,081375	2,836743	3,021636	2,915494	3,094708	3,008939	2,979918	3,006380333	0,02646233	1,018511545	---
17203693	5,019553	5,72534	6,044635	5,68821	5,946869	5,233844	5,5965093	5,622974333	0,026465	1,018513427	---
17548358	4,827892	4,674668	5,386904	5,133162	4,810265	5,025452	4,9631547	4,989626333	0,02647167	1,018518134	Gm19958 // Gm19958
17548692	4,827892	4,674668	5,386904	5,133162	4,810265	5,025452	4,9631547	4,989626333	0,02647167	1,018518134	Gm19958 // Gm19958
17438071	9,949833	10,02801	9,844038	9,848044	10,09031	9,962986	9,940627	9,967113333	0,02648633	1,018528488	Slain2
17380892	8,258633	8,224341	8,474229	8,435822	8,423699	8,177153	8,3190677	8,345558	0,02649033	1,018531312	Arfgap1
17215811	5,225903	5,211658	5,21593	5,37601	5,290314	5,066646	5,2178303	5,244323333	0,026493	1,018533195	Olfr1412
17290738	4,449353	4,49538	4,827037	4,56196	4,682495	4,606797	4,59059	4,617084	0,026494	1,018533901	Hecw1
17511586	6,922737	7,037843	6,935572	6,814412	7,061374	7,099884	6,965384	6,99189	0,026506	1,018542373	Rpgrip1l
17246420	3,062199	2,890628	2,88182	2,962832	3,231306	2,72009	2,9448823	2,971409333	0,026527	1,018557199	Olfr798

17437704	6,944832	6,754401	6,680233	6,796371	6,765569	6,897109	6,7931553	6,819683	0,02652767	1,01855767	Klhl5
17359344	7,42854	7,542019	7,397299	7,507729	7,400287	7,539441	7,4559527	7,482485667	0,026533	1,018561435	Entpd1
17283487	7,858356	7,824979	7,717645	7,779935	7,840909	7,859754	7,8003267	7,826866	0,02653933	1,018565907	Btbd7
17404217	3,582318	4,315562	3,846961	3,767554	4,037906	4,019002	3,914947	3,941487333	0,02654033	1,018566613	LOC100038947
17327815	7,986073	8,220104	8,061239	8,092555	8,135724	8,118764	8,0891387	8,115681	0,02654233	1,018568025	5730403B10Rik
17455455	4,508046	4,493025	4,391477	4,537912	4,376976	4,557325	4,4641827	4,490737667	0,026555	1,018576968	---
17463731	8,640065	8,772697	8,625124	8,68357	8,707649	8,726395	8,6792953	8,705871333	0,026576	1,018591794	Ddx47
17421719	5,476548	5,228116	5,272397	5,259708	5,323796	5,47333	5,325687	5,352278	0,026591	1,018602385	Gm572
17360534	4,366095	4,160429	4,172046	4,010874	4,123031	4,644547	4,2328567	4,259484	0,02662733	1,018628038	D730002M21Rik
17527877	4,244017	4,307256	4,269482	4,234544	4,504367	4,16178	4,273585	4,300230333	0,02664533	1,018640747	9230112J17Rik
17514078	10,06941	10,4869	10,45931	10,58733	10,32954	10,17873	10,33854	10,3652	0,02666	1,018651103	Agt
17299145	4,369103	4,327215	4,445344	4,500134	4,211924	4,509611	4,380554	4,407223	0,026669	1,018657457	BC061237
17541597	4,679315	4,518404	4,48115	4,639292	4,491877	4,627714	4,559623	4,586294333	0,02667133	1,018659105	Frmd7
17512975	8,411187	8,363008	8,487615	8,303266	8,609549	8,429029	8,4206033	8,447281333	0,026678	1,018663812	Ddx19a
17282961	3,126251	3,38315	3,48614	3,254988	3,52941	3,291196	3,331847	3,358531333	0,02668433	1,018668284	Gm5662
17279670	7,016825	7,343657	7,06709	7,179336	7,326229	7,002063	7,142524	7,169209333	0,02668533	1,01866899	Rapgef5
17280479	8,616016	8,264545	9,024277	8,621889	8,573689	8,789331	8,634946	8,661636333	0,02669033	1,018672521	---
17550004	8,616016	8,264545	9,024277	8,621889	8,573689	8,789331	8,634946	8,661636333	0,02669033	1,018672521	---
17533031	6,698098	6,599905	6,621964	6,899317	6,505792	6,594941	6,639989	6,666683333	0,02669433	1,018675345	Pim2
17544786	4,210738	4,049147	4,426041	4,364699	4,254477	4,14684	4,228642	4,255338667	0,02669667	1,018676993	Tmsb15b1
17285519	3,922618	3,864042	3,868466	4,03489	4,058308	3,642039	3,885042	3,911745667	0,02670367	1,018681935	Tcrg-V5
17457345	8,05584	8,055882	8,076143	8,112677	8,049224	8,106079	8,0626217	8,089326667	0,026705	1,018682877	Trim24
17474820	4,443879	3,835094	4,153625	4,190886	4,633163	3,688677	4,1441993	4,170908667	0,02670933	1,018685936	Nlrp5
17317835	6,057853	6,356309	5,674972	5,941772	6,175266	6,052265	6,0297113	6,056434333	0,026723	1,018695586	Peg13
17292974	9,776255	9,492163	9,538336	9,579794	9,624353	9,682794	9,6022513	9,628980333	0,026729	1,018699823	H2afy
17243450	6,396034	6,095825	6,358019	6,427104	6,155995	6,346978	6,2832927	6,310025667	0,026733	1,018702648	Gm3055 // Gm3055
17249382	4,722393	4,743619	4,735466	4,908479	4,842456	4,530749	4,733826	4,760561333	0,02673533	1,018704295	Cdkl3
17507623	5,561842	5,701758	5,687611	5,583262	5,611227	5,836957	5,6504037	5,67714866?	0,026745	1,018711121	1700029H14Rik
17541147	4,733664	4,348028	4,641892	4,515676	4,641034	4,647132	4,574528	4,601280667	0,02675267	1,018716535	Rhox11
17249726	8,385769	8,352355	8,347594	8,331603	8,468198	8,366192	8,361906	8,388664333	0,02675833	1,018720536	Rapgef6
17419206	6,757157	6,753696	6,838926	6,704329	6,904319	6,821415	6,7832597	6,810021	0,02676133	1,018722654	Pef1
17547537	8,393072	8,650338	8,454859	8,518532	8,505364	8,554683	8,499423	8,526193	0,026777	1,018728774	---
17337285	7,380384	7,521162	7,648721	7,60862	7,497866	7,524103	7,5167557	7,543529667	0,026774	1,018731599	Dhx16
17524081	5,919227	5,687625	6,107206	5,937042	6,116917	5,740427	5,904686	5,931462	0,026776	1,018733011	1700012B09Rik
17391445	11,21953	11,21479	11,21565	11,22953	11,48122	11,01955	11,216657	11,24343333	0,02677667	1,018733482	---
17397748	3,02359	3,15626	2,911823	2,935367	3,155615	3,081029	3,0305577	3,057337	0,02677933	1,018735365	---
17354275	11,25179	11,15443	11,14207	11,16017	11,27322	11,19526	11,182763	11,20955	0,02678667	1,018740543	Tmed7
17545482	6,665487	6,753193	6,64346	6,626564	6,856551	6,65941	6,68738	6,714175	0,026795	1,018746427	Mageh1
17217651	7,095748	7,132909	7,43853	6,96427	7,585561	7,197786	7,2223957	7,249205667	0,02681	1,01875702	Tnnt2
17213513	4,034747	3,615083	3,943264	3,69566	4,116111	3,861782	3,8643647	3,891184333	0,02681967	1,018763846	---
17438338	8,122881	8,060736	7,981213	8,058012	8,18068	8,006598	8,0549433	8,081763333	0,02682	1,018764081	Exoc1
17408414	9,369452	9,371745	9,323019	9,208798	9,503234	9,432673	9,3547387	9,381568333	0,02682967	1,018770907	Fam46c
17209953	2,875297	2,92214	2,84727	2,738915	2,937028	3,049257	2,881569	2,9084	0,026831	1,018771849	---
17491527	3,181689	3,638304	3,263905	3,417091	3,380904	3,366408	3,3612993	3,388134333	0,026835	1,018774673	---
17263929	7,571743	7,565699	7,430202	7,545151	7,623588	7,479423	7,522548	7,549387333	0,02683933	1,018777733	Akap10
17474491	8,898581	8,816841	8,801957	8,796685	8,994052	8,807199	8,8391263	8,865978667	0,02685233	1,018786914	Snrpd2
17279148	11,17171	11,20389	11,24188	11,17974	11,18487	11,33344	11,205827	11,23268333	0,02685667	1,018789974	Eif5
17524760	7,574667	7,606711	7,620878	7,638574	7,574522	7,669732	7,600752	7,627609333	0,02685733	1,018790444	Kank2
17270848	6,182518	6,132998	6,027078	5,96173	6,432537	6,02891	6,114198	6,141059	0,026861	1,018793034	Scn4a
17255701	5,804331	5,679971	5,710609	5,975104	5,602291	5,698181	5,731637	5,758525333	0,02688833	1,018812336	Sp6
17273604	8,452532	8,662859	8,457767	8,511673	8,575069	8,56712	8,524386	8,551287333	0,02690133	1,018821516	Asxl2
17331429	10,43489	10,48643	10,23723	10,28113	10,45867	10,49946	10,386183	10,41308667	0,02690333	1,018822929	Actg1 // Actg1
17500992	10,43489	10,48643	10,23723	10,28113	10,45867	10,49946	10,386183	10,41308667	0,02690333	1,018822929	Actg1 // Actg1
17257283	4,459903	4,112576	4,194942	4,455525	4,322252	4,070379	4,255807	4,282718667	0,02691167	1,018828814	Efcab3
17451952	5,726834	5,823063	5,722285	5,519134	6,043967	5,789871	5,757394	5,784324	0,02693	1,018841761	Gm10390
17364988	11,24569	11,24062	11,2404	11,32505	11,14895	11,33351	11,242237	11,26917	0,02693333	1,018844115	Cpn1
17545919	7,481191	7,399324	7,399084	7,59379	7,447903	7,318713	7,426533	7,453468667	0,02693567	1,018845763	Zrsr2
17259873	6,016114	6,097412	6,419688	6,156662	6,357044	6,100453	6,177738	6,204719667	0,02698167	1,018878249	Osbp2
17401345	5,362314	5,366385	5,182068	5,229951	5,345433	5,416375	5,303589	5,330586333	0,02699733	1,018889313	Ppm1j
17284530	6,87874	6,571738	6,441167	6,729864	6,711674	6,531124	6,6305483	6,657554	0,02700567	1,018895199	---
17336172	5,103626	5,183472	5,222169	5,349875	5,124824	5,115595	5,1697557	5,196764667	0,027009	1,018897553	Rab11b
17315977	4,17109	4,127589	4,410343	3,99395	4,490974	4,305134	4,2363407	4,263352667	0,027012	1,018899672	Ttc23l
17437019	6,363084	6,230162	6,317711	6,516495	6,401196	6,074314	6,3036523	6,330668333	0,027016	1,018902497	Evc2
17529361	4,631879	4,494378	4,706229	4,556272	4,587723	4,769594	4,6108287	4,637863	0,02703433	1,018915445	---
17499014	8,376973	8,316339	8,482	8,422264	8,468157	8,366013	8,3917707	8,418811333	0,02704067	1,018919918	Carkd
17469864	7,013984	7,299302	7,069504	7,209013	7,216956	7,037958	7,1275967	7,154642333	0,02704567	1,018923449	1500001M20Rik
17434480	3,509856	3,454239	3,252192	3,360425	3,510023	3,42698	3,405429	3,432476	0,027047	1,018924391	4921511H03Rik // 4921511H03Rik
17200299	5,223752	6,476781	6,12944	6,051634	5,525285	6,334208	5,9433243	5,970375667	0,02705133	1,018927451	---
17512868	4,610465	4,613564	4,642039	4,62797	4,686073	4,633249	4,6220227	4,649097333	0,02707467	1,018943931	Chst4
17268416	6,892854	6,851666	7,149178	6,927232	6,929209	7,1185	6,964566	6,991647	0,027081	1,018948404	Sp2
17350754	6,512971	6,593647	7,068116	6,936227	6,331549	6,988278	6,7249113	6,752018	0,02710667	1,018966532	---
17366660	8,125363	8,106415	8,052687	8,166939	8,035763	8,163112	8,0948217	8,121938	0,02711633	1,018973359	Kin
17260029	5,439034	5,368596	5,815726	5,723773	5,546345	5,434598	5,5411187	5,568238667	0,02712	1,018975949	Cabp7
17516145	4,520635	3,808996	3,889484	4,232981	4,270283	3,797234	4,0730383	4,100166	0,02712767	1,018981364	Olfr894
17219005	11,54881	11,56596	11,52397	11,48079	11,59446	11,64488	11,546247	11,57337667	0,02713	1,018983012	Creg1
17211066	4,432788	4,39756	4,566968	4,614419	4,302435	4,561889	4,465772	4,492914333	0,02714233	1,018991723	6030422M02Rik
17344763	3,888072	3,659389	4,218403	3,891746	4,119868	3,835695	3,9219547	3,949103	0,02714833	1,018995961	---
17438706	3,714878	3,773837	3,823399	3,640466	3,791383	3,961714	3,7707047	3,797854333	0,02714967	1,018996903	BC051076
17340524	11,05129	11,00178	11,17239	11,16514	11,10963	11,03218	11,075153	11,10231667	0,02716333	1,019006556	Dynlt1f // Dynlt1f
17204895	4,3972	4,850736	4,630937	5,165218	4,106216	4,688931	4,626291	4,653455	0,027164	1,019007027	---
17463108	8,823386	9,189703	8,964295	8,972447	9,036565	9,049867	8,9924613	9,019626333	0,027165	1,019007733	Nop2
17253912	8,915783	8,896561	8,802682	8,898138	8,890607	8,907786	8,8716753	8,898843667	0,02716833	1,019010088	Rhot1
17456285	7,980392	8,030596	7,920787	8,011407	7,995325	8,006569	7,9772583	8,004433667	0,02717533	1,019015032	Naa38
17400617	5,238802	5,410446	5,270929	5,305553	5,419928	5,27623	5,3067257	5,333903667	0,027178	1,019016915	Ankrd34a
17243015	7,361897	8,156774	8,025721	7,852378	7,995675	7,777918	7,8481307	7,875323667	0,027193	1,01902751	---
17513334	4,852415	4,917464	5,257209	4,966845	5,097521	5,044306	5,0090293	5,036224	0,02719467	1,019028688	Pkd1l2
17514592	5,16456	5,031171	4,826755	5,059125	4,943663	5,101301	5,0074953	5,034696333	0,027201	1,019033161	Mmp7
17442428	7,640892	7,749457	7,777627	7,821989	7,69266	7,734953	7,7226587	7,749867333	0,02720867	1,019038576	Hip1r
17340787	7,637074	7,35978	7,345281	7,388486	7,459818	7,575458	7,4473783	7,474587333	0,027209	1,019038812	Map3k4
17522598	7,723176	7,727374	7,951541	7,891383	7,843702	7,748687	7,800697	7,827924	0,027227	1,019051526	Epm2aip1
17200875	7,007033	7,069977	7,033339	7,190983	6,771031	7,230022	7,036783	7,064012	0,027229	1,019052939	---
17531810	10,90599	10,91235	10,849	10,87584	10,90883	10,96442	10,889113	10,91636333	0,02725	1,019067772	Pdcd6ip
17436077	9,885909	9,903922	9,947653	9,875074	10,02651	9,917705	9,9124947	9,939763	0,02726833	1,019080722	Nrbp1
17342338	6,158147	6,320128	5,790915	5,985377	6,085379	6,280311	6,08973	6,117022333	0,02729233	1,019097675	---
17281148	8,840919	9,046576	8,965282	9,033164	9,108865	8,792639	8,9509257	8,978222667	0,027297	1,019100972	Baz1a
17387371	3,975734	4,006607	4,056444	4,044778	4,035651	4,040274	4,0129283	4,040234333	0,027306	1,019107329	Zswim2
17437629	2,999607	3,154347	2,996424	3,067443	3,067443	3,097442	3,050126	3,077442667	0,02731667	1,019114864	---
17300548	10,76603	10,90529	10,69786	10,83138	10,80111	10,81865	10,789727	10,81704667	0,02732	1,019117219	Psme1
17549482	4,692618	4,87871	4,978879	4,795888	4,889293	4,947022	4,850069	4,877401	0,027332	1,019125696	---
17495839	11,08106	11,17153	11,00116	11,14917	11,00529	11,18129	11,084583	11,11191667	0,02733333	1,019126638	Igsf6
17223532	8,462503	8,470496	8,340663	8,350238	8,524562	8,480886	8,424554	8,451895333	0,02734133	1,019132289	Als2
17355078	3,580987	3,428992	3,457887	3,598761	3,826896	3,124233	3,4892887	3,51663	0,02734133	1,019132289	---
17292775	6,202678	6,307621	6,048319	6,138866	6,295375	6,206423	6,186206	6,213554667	0,02734867	1,019137469	Hk3
17381906	5,106458	5,082712	5,296352	5,241295	5,056685	5,269621	5,1618407	5,189200333	0,02735967	1,01914524	Cacnb2
17489238	7,826662	7,877023	7,887823	7,826302	8,021953	7,825336	7,863836	7,891197	0,027361	1,019146182	Rbm42
17204661	6,384341	6,310979	6,667675	6,742722	6,132506	6,569854	6,4543317	6,481694	0,02736233	1,019147124	---
17285775	3,126789	3,104176	3,363262	3,284417	3,273956	3,117946	3,1980757	3,225439667	0,027364	1,019148301	Vmn1r204
17328631	5,582943	5,571641	5,823195	5,598377	5,726383	5,73515	5,6592597	5,686636667	0,027377	1,019157484	Ccdc116
17484513	5,559039	5,262571	5,372539	5,409595	5,482296	5,38443	5,3980497	5,425440333	0,02739067	1,019167139	Cd163l1
17270105	9,227669	9,39308	9,624227	9,444025	9,499225	9,383931	9,414992	9,442393667	0,02740167	1,01917491	---
17506949	8,466147	8,392204	8,425794	8,488566	8,461138	8,416719	8,4280483	8,455474333	0,027426	1,01919221	Pard3
17489705	3,103587	2,928277	3,196696	3,088428	3,299526	2,922897	3,0761867	3,103617	0,02743033	1,019195161	---
17533299	7,75664	7,615133	7,765925	7,797501	7,68091	7,741583	7,712566	7,739998	0,027432	1,019196339	Gm14475 // Gm14478 // Gm14482 // Gı
17511112	7,655087	7,697991	7,605003	7,579184	7,719387	7,741833	7,6526937	7,680134667	0,027441	1,019202697	Ccdc130
17255210	8,896917	8,819771	8,525659	8,800197	8,69318	8,831344	8,747449	8,774907	0,027458	1,019214707	Tob1
17328539	2,979897	3,131049	3,25824	3,114821	3,252561	3,084186	3,123062	3,150522667	0,02746067	1,019216591	Olfr19
17492729	9,575681	9,589706	9,525439	9,589684	9,629821	9,553731	9,5636087	9,591078667	0,02747	1,019223184	Sec11a
17304875	4,071475	3,969243	4,367578	4,243138	4,153808	4,093796	4,1360987	4,163580667	0,027482	1,019231662	1700024G13Rik
17349542	11,54508	11,63509	11,57653	11,61447	11,66108	11,56361	11,585567	11,61305333	0,02748667	1,019234959	---
17476800	5,006922	4,933825	5,064087	4,927212	5,224437	4,93567	5,0016113	5,029106333	0,027495	1,019240846	Slc7a9
17491722	7,816925	7,404913	7,760048	7,742079	7,747004	7,575299	7,6606287	7,688127333	0,02749867	1,019243437	---
17378858	5,601956	5,5364	5,347798	5,62535	5,571492	5,371841	5,4953847	5,522894333	0,02750967	1,019251208	---
17532728	2,726732	2,743415	2,991934	2,94223	2,773406	2,828986	2,8206937	2,848207333	0,02751367	1,019254034	Gm14374
17547829	4,889631	4,5755	4,883933	4,70489	4,822044	4,904688	4,7830213	4,810540667	0,02751933	1,019258037	5330427O13Rik
17364463	12,77999	12,98215	12,79767	12,81264	12,91333	12,9164	12,85327	12,88079	0,02752	1,019258508	Cyp2c70
17301340	7,682822	7,770982	7,815246	7,664404	8,094667	7,592594	7,75635	7,783888333	0,02753833	1,019271461	---
17458000	4,012285	3,779289	3,655431	4,129992	3,862811	3,536823	3,8156683	3,843208667	0,02754033	1,019272874	Olfr237-ps1
17309935	8,390774	8,077568	7,969448	8,330914	8,07864	8,110889	8,14593	8,173481	0,027551	1,01928041	Dab2
17201011	8,668962	8,648136	8,680729	8,629818	8,839305	8,611361	8,6659423	8,693494667	0,02755233	1,019281352	---
17221256	10,82431	10,87115	10,63317	10,79842	10,85173	10,76115	10,77621	10,80376667	0,02755667	1,019284414	---
17260910	7,282337	7,982248	7,913679	7,783157	7,631094	7,846689	7,726088	7,753646667	0,02755867	1,019285827	---
17359287	4,353987	4,495533	4,197797	4,245448	4,506408	4,37816	4,3491057	4,376672	0,02756633	1,019291243	Cyp2c29
17402109	2,799146	2,909161	2,816629	2,848809	2,951428	2,807419	2,8416453	2,869218667	0,02757333	1,019296189	Mir137
17269175	2,990353	2,86048	3,058649	3,177389	2,939215	2,875658	2,9698273	2,997420667	0,02759333	1,019310319	---

17238291	5,995457	6,087751	5,905158	5,773123	6,395843	5,902204	5,996122	6,023723333	0,02760133	1,019315972	---
17520154	2,910797	3,046061	3,078056	3,141363	3,031358	2,945014	3,011638	3,039245	0,027607	1,019319975	---
17200197	4,015428	4,181993	3,633315	4,177734	3,450919	4,284909	3,9435787	3,971187333	0,02760867	1,019321153	---
17302960	4,600395	4,46964	4,823633	4,899858	4,547243	4,529404	4,6312227	4,658835	0,02761233	1,019323744	---
17545837	3,526479	3,729433	3,365737	3,628302	3,436361	3,639876	3,5405497	3,568179667	0,02763	1,019336226	---
17421801	6,024621	5,488486	6,127337	5,598266	6,164045	5,96103	5,880148	5,907780333	0,02763233	1,019337875	---
17255352	6,35783	6,13906	6,463038	6,406422	6,351199	6,2853	6,319976	6,347640333	0,02766433	1,019360484	Dlx3
17468121	5,605787	5,26914	5,642249	5,446417	5,586879	5,566945	5,5057253	5,533413667	0,02768833	1,019377442	Wdr54
17206243	7,254802	7,341515	6,392519	6,955265	7,170251	6,946391	6,9962787	7,023969	0,02769033	1,019378855	---
17456121	7,759366	7,731092	7,801041	7,674073	7,919953	7,780586	7,763833	7,791537333	0,02770433	1,019388748	Mdfic
17202227	6,551133	7,116207	7,253245	6,663383	7,071398	7,268956	6,9735283	7,001245667	0,02771733	1,019397933	---
17302632	4,954535	5,20307	5,171326	5,0864	5,207761	5,117956	5,1096437	5,137372333	0,02772867	1,019405941	Mir17
17426942	5,33044	4,624088	4,747385	4,828623	5,262294	4,694216	4,9006377	4,928377667	0,02774	1,019413949	---
17403605	8,49455	8,613989	8,401402	8,536602	8,65027	8,406339	8,5033137	8,531070333	0,02775667	1,019425726	Eltd1
17360020	3,947474	4,228134	4,150807	4,402317	3,923332	4,084057	4,108805	4,136568667	0,02776367	1,019430673	---
17218345	4,350913	4,17052	4,018952	4,174059	4,236611	4,213014	4,1801283	4,207894667	0,02776633	1,019432557	Teddm1
17302043	9,259533	9,31268	9,288361	9,324221	9,325536	9,294128	9,286858	9,314628333	0,02777033	1,019435383	Tpt1
17484101	10,13499	10,29004	10,04826	10,17541	10,14162	10,23964	10,157763	10,18555667	0,02779333	1,019451636	---
17307957	5,135028	4,930882	5,104096	5,083978	5,063672	5,105739	5,0566687	5,084463	0,02779433	1,019452342	4930438E09Rik
17528377	6,73382	6,790361	6,858252	6,726441	6,875396	6,863993	6,7941443	6,821943333	0,027799	1,01945564	Aph1b
17458112	6,854689	6,860578	6,64184	6,783066	6,917031	6,740465	6,7857023	6,813520667	0,02781833	1,019469302	Zfp398
17201693	5,930493	5,069734	5,419888	5,372292	5,700952	5,430385	5,4733717	5,501209667	0,027838	1,019483199	---
17203371	6,199969	5,811328	6,535328	5,896329	6,025942	6,707904	6,1822083	6,210058333	0,02785	1,019491679	---
17382496	5,847954	5,846061	6,066913	5,81807	5,9427	6,083728	5,9203093	5,948166	0,02785667	1,01949639	Grin1
17465310	6,358678	6,664848	6,845535	6,681399	6,600568	6,670699	6,6230203	6,650888667	0,02786833	1,019504634	Gcc1
17285223	5,414983	5,119777	5,215097	5,291819	5,250744	5,290939	5,2499523	5,277834	0,02788167	1,019514057	---
17201573	3,739995	3,254627	3,343286	3,444406	3,456778	3,520397	3,4459693	3,473860333	0,027891	1,019520652	---
17386451	5,062715	5,250963	5,424667	5,519405	5,177794	5,124922	5,246115	5,274040333	0,02792533	1,019544915	---
17242853	3,510483	3,674246	3,818504	3,623295	3,64799	3,815793	3,6677443	3,695692667	0,02794833	1,019561169	Gm15122
17367897	8,330804	8,25818	8,196181	8,322774	7,996503	8,549736	8,2617217	8,289671	0,02794933	1,019561876	---
17549096	4,363183	4,770015	4,681474	4,866246	4,491555	4,540719	4,6048907	4,63284	0,02794933	1,019561876	---
17253698	3,122587	2,949694	3,122587	2,976759	2,98366	3,31831	3,064956	3,092909667	0,02795367	1,019564938	---
17549976	3,122587	2,949694	3,122587	2,976759	2,98366	3,31831	3,064956	3,092909667	0,02795367	1,019564938	---
17364390	6,307508	6,354137	6,31041	6,407212	6,323926	6,324799	6,3240183	6,351979	0,02796067	1,019569885	Cyp2c55 // Cyp2c55
17288043	5,804679	5,498465	5,860968	6,023299	5,488545	5,736159	5,7213707	5,749334333	0,02796367	1,019572005	---
17549520	5,296153	5,503798	5,472809	5,433865	5,516186	5,406625	5,4242533	5,452225333	0,027972	1,019577895	---
17219405	10,64342	10,74845	10,54836	10,65504	10,65053	10,7186	10,646743	10,67472333	0,02798	1,019583548	---
17429921	6,049325	5,858347	5,92995	5,9578	5,945348	6,018475	5,945874	5,973874333	0,02800033	1,019597919	Dnali1
17511782	5,062496	4,788914	4,877905	4,826653	5,013785	4,972946	4,9097717	4,937794667	0,028023	1,019613938	LOC100862575
17259896	4,746567	4,698056	4,821848	4,633092	4,831645	4,88582	4,7554903	4,783519	0,02802867	1,019617943	4921536K21Rik
17235821	6,83578	6,889068	6,687568	6,925175	6,631378	6,93996	6,8041387	6,832171	0,02803233	1,019620534	Gm10778 // Gm10778
17208355	7,268551	6,910486	7,539382	7,228538	7,266991	7,307003	7,239473	7,267510667	0,02803767	1,019624304	---
17344784	6,304986	6,52339	6,493059	6,382745	6,60429	6,418539	6,4404783	6,468524667	0,02804633	1,019630429	Ppp1r11
17486944	5,848679	5,612906	6,150321	6,01421	5,873333	5,808508	5,8706353	5,898683667	0,02804833	1,019631842	Ceacam-ps1
17338124	7,574993	7,916583	7,777956	7,749503	7,717937	7,886247	7,7565107	7,784562333	0,02805167	1,019634198	Mrpl2
17209821	5,982671	6,108458	6,134679	5,974281	6,256544	6,079228	6,0752693	6,103351	0,02808167	1,019655401	---
17200251	4,886578	5,448551	5,474455	5,553731	5,414402	4,925762	5,2698613	5,297965	0,02810367	1,01967095	---
17514936	6,927284	7,143266	6,948711	6,933291	6,943346	7,226974	7,0064203	7,034537	0,02811667	1,019680138	Zfp317
17301995	13,01586	12,86642	12,88291	12,92361	12,91342	13,01252	12,92173	12,94985	0,02812	1,019682494	Cpb2
17322806	4,195678	4,095119	4,071651	4,346232	3,94777	4,15281	4,120816	4,148937333	0,02812133	1,019683437	Atf7ip2
17433893	7,283587	7,046527	7,443738	7,431283	7,204315	7,222628	7,2579507	7,286075333	0,02812467	1,019685793	Ccnl2 // Ccnl2
17377785	5,796456	5,505666	6,019882	5,898323	5,865613	5,642474	5,7740013	5,802136667	0,02813533	1,019693332	Cox4i2
17280194	6,921032	6,737229	7,044679	6,77811	6,89262	7,116627	6,90098	6,929119	0,028139	1,019695923	Itgb1bp1
17204991	3,202563	3,337539	3,346573	3,422766	3,146378	3,401964	3,2955583	3,323702667	0,02814433	1,019699693	---
17311703	6,026031	5,967169	6,143256	6,057411	6,249408	5,914083	6,0454853	6,073634	0,02814867	1,019702756	Klhl38
17527705	4,325137	3,872388	4,225612	4,41511	3,973615	4,118937	4,1410457	4,169220667	0,028175	1,019721368	Tbc1d21
17421867	6,331352	6,077845	6,341606	6,235641	6,177598	6,422108	6,2502677	6,278449	0,02818133	1,019725845	Gpr157
17366720	7,882881	7,450016	7,633153	7,682257	7,710613	7,657736	7,65535	7,683535333	0,02818533	1,019728672	---
17208993	4,254089	4,050838	4,391096	4,334554	4,262227	4,18382	4,2320077	4,260200333	0,02819267	1,019733856	---
17273200	9,594633	9,62487	9,661574	9,761854	9,616959	9,586851	9,6270257	9,655221333	0,02819567	1,019735976	Pcyt2
17457027	3,598386	3,687523	3,644121	3,418746	3,621105	3,974776	3,6433433	3,671542333	0,028199	1,019738332	---
17398308	5,654811	5,710793	5,910405	5,733113	5,910691	5,716809	5,7586697	5,786871	0,02820133	1,019739981	Otol1
17427379	4,213717	3,637009	3,694062	3,753709	4,032843	3,842885	3,8482627	3,876479	0,02821633	1,019750584	Cyp2j8
17255534	5,07975	4,902974	4,959097	4,766663	5,049482	5,210339	4,980607	5,008828	0,028221	1,019753883	Hoxb13
17537019	9,273785	9,139148	8,982869	9,197306	9,01821	9,265016	9,131934	9,160177333	0,02824333	1,019769669	2610029G23Rik
17529062	7,976853	7,944588	7,931056	7,900716	7,981864	8,054656	7,9508323	7,979078667	0,02824633	1,019771789	Eef1a1
17257564	7,812732	7,77822	7,935784	7,973583	7,998288	7,639613	7,8422453	7,870494667	0,02824933	1,01977391	---
17533114	4,384926	4,024485	4,158226	4,268323	4,154769	4,229332	4,1892123	4,217474667	0,02826233	1,019783099	Ssxb10
17538770	10,85209	10,94143	11,03218	11,12227	10,94363	10,84459	10,9419	10,97016333	0,02826333	1,019783806	---
17475922	9,780725	9,794733	9,784109	9,749907	9,838848	9,855605	9,7865223	9,814786667	0,02826433	1,019784513	Sirt2
17215899	5,991438	5,987223	6,269105	5,998849	6,21079	6,12294	6,0825887	6,110859667	0,028271	1,019789225	E030010N08Rik
17326658	11,19075	11,10803	11,04172	11,06364	11,11881	11,2429	11,1135	11,14178333	0,02828333	1,019797943	Usp25
17252256	7,0922	7,029395	7,045945	7,141665	7,005869	7,104872	7,0558467	7,084135333	0,02828867	1,019801713	Rpain
17504422	6,448917	6,724142	6,385451	6,450721	6,762537	6,430136	6,5195033	6,547798	0,02829467	1,019805954	Cklf
17363072	5,67701	5,250549	5,773479	5,752434	5,629289	5,404226	5,5670127	5,595316333	0,02830367	1,019812316	Olfr76
17243303	6,853393	6,8009	7,243105	6,901813	7,127218	6,953302	6,9657993	6,994111	0,02831167	1,019817971	Mfsd12 // Mfsd12
17207639	5,179617	5,049055	5,296154	5,018411	5,456824	5,134568	5,174942	5,203267667	0,02832567	1,019827868	---
17474014	4,176131	3,739882	3,562481	3,872852	3,694432	3,996201	3,8261647	3,854495	0,02833033	1,019831167	---
17491259	7,698947	7,556175	7,72326	7,726326	7,697965	7,639104	7,6594607	7,687798333	0,02833767	1,019836351	Uevld
17311267	5,171147	5,373465	5,420747	5,352821	5,391965	5,305593	5,3217863	5,350126333	0,02834	1,019838	9330182O14Rik
17246368	7,356077	7,36329	7,57576	7,427107	7,502184	7,450943	7,431709	7,460078	0,028369	1,0198585	Bloc1s1
17317327	9,760067	9,843386	9,747903	9,845434	9,814054	9,777014	9,7837853	9,812167333	0,028382	1,01986769	Mtss1
17385850	3,380077	3,262299	3,44566	3,362743	3,47682	3,333749	3,3626787	3,391104	0,02842533	1,019898324	---
17394108	4,283326	4,412131	4,278802	4,419386	4,230791	4,409363	4,324753	4,35318	0,028427	1,019899502	Wfdc5
17486173	8,016664	8,08812	7,940785	8,093471	7,997418	8,039982	8,0151897	8,043623667	0,028434	1,019904451	Clcn4-2
17348126	8,53161	8,548938	8,35966	8,501969	8,514792	8,508819	8,4800693	8,508526667	0,02845733	1,019920946	Mtpap
17478459	4,460851	4,760791	4,731418	4,685077	4,385104	4,968285	4,65102	4,679488667	0,02846867	1,019928958	Slc17a6
17203621	6,746231	6,777377	6,886769	6,633552	6,934032	6,928218	6,803459	6,831934	0,028475	1,019933436	---
17211268	4,412147	4,529325	4,466331	4,621512	4,41092	4,460823	4,4692677	4,497751667	0,028484	1,019939798	---
17509226	3,989987	3,963407	4,137006	4,132424	4,221108	3,822369	4,0301333	4,058633667	0,02850033	1,019951346	---
17446902	7,359822	7,15065	7,304368	7,253283	7,367072	7,280014	7,2716133	7,300123	0,02850967	1,019957944	Zfp513
17336502	6,711978	6,74979	7,136745	6,940107	6,740065	7,003887	6,866171	6,894686333	0,02851533	1,01996195	H2-Eb1
17235748	11,11675	11,05309	11,03625	11,10676	11,07587	11,10904	11,068697	11,09722333	0,02852667	1,019969963	Aes
17201295	7,908023	8,119054	8,426356	7,866383	8,228924	8,443725	8,1511443	8,179677333	0,028533	1,01997444	---
17483997	3,643581	3,529277	3,487526	3,851228	3,356661	3,538106	3,5534613	3,581998333	0,028537	1,019977268	Gm19435
17423006	12,77026	12,82216	12,84208	12,86959	12,86935	12,78122	12,8115	12,84005333	0,02855333	1,019988816	Uba52 // Uba52
17342686	5,771349	5,697949	6,089424	5,835716	5,879672	5,92902	5,8529073	5,881469333	0,028562	1,019994943	Itpr3 // Itpr3
17508336	8,371582	8,488597	8,290219	8,415744	8,426892	8,393449	8,383466	8,412028333	0,02856233	1,019995179	Plekha2
17470010	7,032629	7,079102	7,168854	7,397874	6,942809	7,025637	7,0935283	7,122106667	0,02857833	1,020006491	Tmcc1
17353628	7,323821	7,370193	7,161113	7,314228	7,434308	7,192329	7,2850423	7,313621667	0,02857933	1,020007198	Spata24
17209709	7,118409	7,47632	7,291482	6,966702	7,212439	7,792811	7,2954037	7,323984	0,02858033	1,020007905	---
17286332	4,735778	4,867995	4,844793	4,863258	4,824668	4,846396	4,8161887	4,844774	0,02858533	1,02001144	Foxf2
17494166	3,230513	3,190505	3,139706	3,225329	3,151563	3,269599	3,186908	3,215497	0,028589	1,020014033	Olfr600
17498865	7,108421	7,103821	6,850051	7,08837	7,009368	7,050383	7,0207643	7,049373667	0,02860933	1,020028409	LOC674846
17520177	5,459225	5,21638	5,35087	5,509005	5,350279	5,25304	5,3421583	5,370774667	0,02861633	1,020033358	Mthfs
17412850	9,975674	9,867404	9,917534	9,876829	9,98738	9,98236	9,920204	9,948856333	0,02865233	1,020058812	Ube2r2
17535148	5,861561	5,709545	6,022357	6,044601	5,816225	5,818606	5,8644877	5,893144	0,02865633	1,02006164	Ldoc1
17278415	6,060283	6,124219	5,973723	5,972156	6,135847	6,136216	6,0527417	6,081406333	0,02866467	1,020067532	Ak7
17366123	5,952246	6,006557	5,954244	6,180265	5,87455	5,944231	5,9710157	5,999682	0,02866633	1,02006871	Sfxn4
17496514	6,671693	6,85886	6,600739	6,59029	6,889903	6,737127	6,7104307	6,739106667	0,028676	1,020075545	Mvp
17415464	6,165737	5,920945	6,065096	6,124129	6,213108	5,90057	6,0505927	6,079269	0,02867633	1,020075781	---
17200355	4,925888	5,261611	5,866971	5,716271	5,238021	5,186219	5,35149	5,380170333	0,02868033	1,020078609	---
17358368	5,146077	4,837638	5,315135	5,214864	5,02723	5,142837	5,0996167	5,128310333	0,02869367	1,020088037	Dmrt2
17206949	4,950714	4,69807	5,03277	4,513542	4,642231	5,611916	4,8938513	4,922563	0,02871167	1,020100764	---
17379992	4,839228	5,002108	4,984395	4,99182	4,912772	5,007316	4,9419103	4,970636	0,02872567	1,020110663	Sall4
17253235	8,325674	8,443661	8,222219	8,331587	8,363178	8,383015	8,330518	8,35926	0,028742	1,020122212	Ssh2
17279562	6,185656	5,86107	6,006782	6,058162	6,039171	6,04246	6,017836	6,046597667	0,02876167	1,020136119	Vipr2
17367834	7,929435	8,040092	7,92129	7,986016	8,006585	7,984584	7,9636057	7,992395	0,02878933	1,020155682	Entpd8
17439276	5,580524	5,551943	5,44834	5,742968	5,424987	5,499228	5,5269357	5,555727667	0,028792	1,020157568	LOC100862180 // LOC100862166 // Gm7
17323479	6,843039	7,001767	6,951736	7,041323	6,840487	7,001118	6,9321807	6,960976	0,02879533	1,020159925	Aifm3
17406923	4,523464	4,737041	4,542442	4,689406	4,478268	4,721704	4,6009823	4,629792667	0,02881033	1,020170532	Mir720
17201575	3,615003	3,848943	3,318185	3,484662	4,002257	3,381711	3,5940437	3,622876667	0,028833	1,02018656	---
17365339	4,255912	4,254906	4,310694	4,222106	4,33313	4,352783	4,2738373	4,302673	0,02883567	1,020188446	Gbf1 // Gbf1
17387676	3,791988	3,703913	3,618955	3,863989	3,760487	3,57689	3,704952	3,733788667	0,02883667	1,020189153	Olfr1062
17208513	6,237589	6,315096	6,130124	6,112187	6,317922	6,339253	6,227603	6,256454	0,028851	1,020199289	---
17376210	4,502911	4,034975	4,600746	4,28774	4,426515	4,510969	4,379544	4,408408	0,028864	1,020208482	AU015228
17547738	5,723901	5,817736	5,98075	5,939903	5,729088	5,940007	5,8407957	5,869666	0,02887033	1,02021296	Gm270
17224191	5,476741	5,297683	5,313947	5,27239	5,477052	5,425616	5,3627903	5,391686	0,02889567	1,020230875	Tnp1
17438602	9,535561	9,571878	9,646367	9,674361	9,505974	9,660171	9,584602	9,613502	0,0289	1,02023394	Ythdc1
17216242	2,922073	3,065483	3,189722	3,006986	3,255733	3,001286	3,0590927	3,088001667	0,028909	1,020240304	---
17341000	5,484163	5,749597	5,667049	5,705637	5,86793	5,414015	5,633603	5,662527333	0,02892433	1,020251148	Gm11166
17214825	10,12697	10,21667	10,23557	10,09246	10,2854	10,28815	10,19307	10,22200333	0,02893333	1,020257512	Mff
17308829	8,387469	8,53714	8,369227	8,363776	8,592138	8,424747	8,4312787	8,460220333	0,02894167	1,020263406	Akap11
17547552	5,758152	6,054592	5,930449	5,818561	6,00379	6,007749	5,9143977	5,943366667	0,028969	1,020282736	1110012L19Rik // 1110012L19Rik

17203429	2,82751	2,798546	3,277888	2,821492	3,110098	3,059278	2,9679813	2,996956	0,02897467	1,020286743	---
17354861	8,80792	8,852468	8,665228	8,810535	8,86591	8,736101	8,7752053	8,804182	0,02897667	1,020288158	Fbxo38
17387944	3,11803	3,167387	3,085241	3,125823	3,039862	3,291956	3,1235527	3,152547	0,02899433	1,020300652	Olfr1240
17231116	10,26077	10,11663	10,25272	10,42029	10,11674	10,18011	10,21004	10,23904667	0,02900667	1,020309374	Gstp2
17493060	2,761018	3,076977	3,070371	3,011844	2,936789	3,046758	2,9694553	2,998463667	0,02900833	1,020310553	Vmn2r68-ps
17200457	2,910664	3,373849	3,24134	2,973495	3,401034	3,23842	3,1752843	3,204316333	0,029032	1,020327291	---
17313739	5,948052	5,86475	5,981796	5,936203	6,058498	5,886999	5,9315327	5,960566667	0,029034	1,020328705	Prr5
17497223	7,151163	7,10224	7,098727	7,153601	7,241523	7,044114	7,1173767	7,146412667	0,029036	1,02033012	Dhx32
17424945	7,707446	7,75805	8,054677	8,079782	7,715057	7,812521	7,8400577	7,86912	0,02906233	1,020348744	Mcart1
17400966	9,513325	9,380514	9,252654	9,229547	9,438488	9,565653	9,3821643	9,411229333	0,029065	1,02035063	Gdap2
17325489	8,227563	8,243359	7,873352	7,97789	8,196728	8,256853	8,114758	8,143823667	0,02906567	1,020351101	Rabl3
17501828	5,82818	6,017869	6,155172	6,077254	6,029216	5,981966	6,000407	6,029478667	0,02907167	1,020355345	Mef2b
17323886	3,344062	3,401074	3,384974	3,340138	3,410513	3,466716	3,3767033	3,405789	0,02908567	1,020365246	---
17509127	4,544729	4,614183	4,570781	4,591157	4,659937	4,565888	4,5765643	4,605660667	0,02909633	1,020372791	1700029J07Rik
17471896	4,229357	3,983455	3,861034	4,078389	3,95971	4,12306	4,0246153	4,053719667	0,02910433	1,020378449	Tas2r114
17500595	6,766585	6,398852	6,490085	6,520436	6,629513	6,5929	6,5518407	6,580949667	0,029109	1,020381749	D8Ertd82e
17506313	5,128908	4,633629	4,848036	4,600317	5,068119	5,029471	4,870191	4,899302333	0,02911133	1,0203834	Jph3
17527661	7,087231	7,031872	6,824726	6,971403	7,073002	6,986769	6,9812763	7,010391333	0,029115	1,020385993	Islr
17408755	4,825421	4,575842	4,752521	4,69983	4,773015	4,768299	4,717928	4,747048	0,02912	1,020389529	Fam19a3
17337381	5,395181	5,028432	5,425202	5,348863	5,301153	5,286239	5,2829383	5,312085	0,02914667	1,02040839	---
17220188	8,397411	8,33805	8,343577	8,306267	8,446675	8,413537	8,3596793	8,388826333	0,029147	1,020408626	BC031781
17429933	5,757509	6,086574	6,156482	6,101319	5,992558	5,994137	6,0001883	6,029338	0,02914967	1,020410512	Zc3h12a
17318603	10,75959	10,81991	10,72471	10,75208	10,88527	10,75432	10,76807	10,79722333	0,02915333	1,020413106	Vps28
17282274	7,059302	7,065915	7,000896	7,061234	7,116075	7,036294	7,0420377	7,071201	0,02916333	1,020420179	Erh
17240554	4,169571	4,20394	4,355839	4,32616	4,339239	4,151452	4,2431167	4,272283667	0,029167	1,020422772	---
17329209	6,326699	5,632965	6,447254	6,305374	6,022576	6,1665	6,1356393	6,164816667	0,02917733	1,020430081	A830060N17
17549042	3,112585	3,093395	3,230277	3,310922	3,023187	3,189692	3,145419	3,174600333	0,02918133	1,02043291	---
17548685	4,815928	4,983657	4,627364	4,842828	4,951389	4,720296	4,808983	4,838171	0,029188	1,020437626	Gm20310
17377732	5,447645	5,471475	5,583097	5,481982	5,539995	5,567815	5,500739	5,529930667	0,02919167	1,020440219	Gm17416
17420519	5,587166	5,537585	5,602089	5,619364	5,768366	5,426728	5,5756133	5,604819333	0,029206	1,020450357	Pla2g2c
17512434	6,00229	6,471754	6,583417	6,284736	6,414543	6,445813	6,352487	6,381697333	0,02921033	1,020453422	Tppp3
17391734	7,77608	7,744521	7,701343	7,693496	7,733288	7,882853	7,740648	7,769879	0,029231	1,02046804	4930402H24Rik
17436043	5,606527	5,788313	6,128581	5,558316	6,236037	5,816785	5,8411403	5,870379333	0,029239	1,020473699	Trim54
17524361	2,795172	2,886432	2,966425	2,896535	3,004827	2,834429	2,8826763	2,911930333	0,029254	1,020484309	---
17239077	9,322277	9,343351	9,239698	9,344944	9,320918	9,327238	9,3017753	9,331033333	0,029258	1,020487139	BC013529
17423544	10,48014	10,45951	10,40785	10,46209	10,49191	10,48128	10,449167	10,47842667	0,02926	1,020488553	Wwp1
17327028	4,764974	4,936497	4,642927	4,777622	4,810251	4,84436	4,781466	4,810744333	0,02927833	1,020501521	---
17540038	6,780216	6,629823	6,839891	6,76184	6,681131	6,894844	6,7499767	6,779271667	0,029295	1,020513311	Tbc1d25
17379123	4,706851	4,247092	4,275609	4,593977	4,369327	4,354146	4,4098507	4,43915	0,02929333	1,020516376	---
17433426	5,370493	5,381518	5,54755	5,540796	5,470558	5,37612	5,433187	5,462491333	0,02930433	1,020519913	Tas1r1
17484005	7,299836	7,248358	7,252174	7,415655	7,154453	7,31819	7,2667893	7,296099333	0,02931	1,020523921	Pstk
17232905	7,418775	6,648703	7,498781	7,416435	7,228871	7,008947	7,188753	7,218084333	0,02933133	1,020539012	5730435O14Rik
17375718	9,457274	9,44235	9,373077	9,418489	9,469317	9,472895	9,4242337	9,453567	0,02933333	1,020540427	Usp8
17277900	5,372931	5,409888	5,297203	5,213891	5,563311	5,39084	5,3600073	5,389347333	0,02934	1,020545143	Kcnk13
17316472	5,422704	5,421872	5,522934	5,658794	5,31717	5,479599	5,4558367	5,485187667	0,029351	1,020552924	Fbxo43
17201629	4,272364	4,452696	4,582687	4,16747	4,896484	4,331898	4,4359157	4,465284	0,02936833	1,020565186	---
17475699	3,979023	3,879985	4,030007	3,912509	3,930969	4,133647	3,963005	3,992375	0,02937	1,020566365	LOC100862275
17328326	5,318326	5,118054	4,93251	5,34434	4,902572	5,210093	5,1229633	5,152335	0,02937167	1,020567544	Ifitm7
17293273	9,86239	9,826963	10,00477	9,87397	9,976959	9,93131	9,898041	9,927413	0,029372	1,020567779	Isca1
17279160	10,42495	10,64506	10,76356	10,46917	10,63817	10,81435	10,61119	10,64056333	0,02937333	1,020568723	---
17343688	5,406204	5,477122	5,660774	5,572104	5,523739	5,536385	5,5147	5,544076	0,029376	1,020570609	B3galt4
17500639	4,064739	4,210738	3,875571	4,033783	4,218293	3,9871	4,0503493	4,079725333	0,029376	1,020570609	Gm6213
17376557	5,303961	4,986506	5,122013	5,401238	4,946264	5,153129	5,1374933	5,166877	0,02938367	1,020576033	---
17287555	5,683611	5,540294	5,571181	5,532931	5,719713	5,630673	5,598362	5,627772333	0,02941033	1,020594897	Unc5a
17404126	8,057962	7,883872	7,943251	8,064525	7,856352	8,052473	7,961695	7,991116667	0,02942167	1,020602914	Zfand1
17495921	7,508267	7,549979	7,355156	7,451324	7,481793	7,568585	7,471134	7,500567333	0,02943333	1,020611168	Ndufab1
17433436	6,522922	6,332533	6,66147	6,439343	6,686822	6,479065	6,5056417	6,535076667	0,029435	1,020612347	Espn
17526033	4,13674	4,192779	4,147957	4,305797	4,138161	4,121874	4,1591587	4,188610667	0,029452	1,020624373	---
17217160	4,424203	4,253029	4,725802	4,374117	4,467616	4,649671	4,467678	4,497134667	0,02945667	1,020627675	Lemd1
17245785	7,840109	7,778373	7,651383	7,704036	7,845154	7,809058	7,7566217	7,786082667	0,029461	1,02063074	Pip4k2c
17504370	7,621795	7,192509	7,027302	7,354502	7,289592	7,285906	7,2805353	7,31	0,02946467	1,020633334	Mir1186b // Mir1186b
17529990	5,988657	5,528722	5,774816	5,683822	5,806479	5,890308	5,764065	5,793536333	0,02947133	1,020638051	Gm1123
17333748	2,993251	3,117754	2,72346	3,033932	2,912849	2,976105	2,9448217	2,974295333	0,02947367	1,020639701	Vmn2r91
17204263	4,363482	4,450099	4,133542	4,380113	4,643937	4,011511	4,3157077	4,345187	0,02947933	1,02064371	---
17496788	6,52934	6,444074	6,638817	6,44672	6,641313	6,61269	6,5374103	6,566907667	0,02949733	1,020656445	Prss53
17428946	9,19527	9,415034	9,401369	9,324042	9,405752	9,370394	9,3372243	9,366729333	0,029505	1,020661869	Atp6v0b
17550526	13,79589	13,79275	13,7563	13,74697	13,80853	13,87797	13,781647	13,81115667	0,02951	1,020665406	---
17200423	5,131558	5,079425	5,145419	5,253444	5,401931	4,789566	5,1188007	5,148313667	0,029513	1,020667528	---
17458327	7,904339	7,80403	7,918108	7,996924	7,848114	7,869982	7,8754923	7,905006667	0,02951433	1,020668472	Repin1
17233273	6,662665	6,972102	6,937254	6,86793	6,905662	6,886973	6,8573403	6,886855	0,02951467	1,020668707	Dcbld1
17502811	2,932101	2,973156	2,914825	2,938878	2,905247	3,064527	2,9400273	2,969550667	0,02952333	1,020674839	---
17456015	5,201131	5,07526	5,066722	5,115143	5,184494	5,132216	5,114371	5,143951	0,02958	1,02071493	Nxph1
17533454	7,541852	6,75458	7,238837	7,677972	7,015768	6,930284	7,178423	7,208008	0,029585	1,020718468	---
17399519	9,62207	9,644142	9,651506	9,588794	9,708272	9,709455	9,6392393	9,668840333	0,029601	1,020729788	Ube2q1
17333906	4,344065	4,378407	4,089079	4,286993	4,376729	4,236636	4,270517	4,300119333	0,02960233	1,020730731	Zfp677
17481388	8,322492	8,539983	8,316754	8,260946	8,544885	8,462243	8,3930763	8,422691333	0,029615	1,020739693	Smpd1
17549888	7,354671	7,935059	7,830461	7,570021	7,723837	7,915204	7,7067303	7,736354	0,02962367	1,020745825	---
17369952	6,989785	7,022187	6,813911	6,971008	6,935462	7,008284	6,941961	6,971584667	0,02962367	1,020745825	Sh2d3c
17520111	6,186313	6,301577	6,527164	6,304339	6,454135	6,345514	6,3383513	6,367996	0,02964467	1,020760683	---
17506800	6,796248	6,818774	6,735879	6,946098	6,719059	6,774682	6,7836337	6,813279667	0,029646	1,020761627	Arv1
17302296	4,397931	4,446437	4,32311	4,520938	4,506729	4,228792	4,3891593	4,418819667	0,02966033	1,020771768	4930529K09Rik
17244057	8,096035	8,212858	7,896528	8,005763	8,127867	8,16079	8,0684737	8,09814	0,02966633	1,020776013	Gas2l3
17416160	12,07257	12,11902	11,87482	11,90922	12,07567	12,17064	12,022137	12,05184333	0,02970667	1,020804551	---
17362430	3,165538	3,094266	2,815713	3,053003	3,230428	2,881322	3,0251723	3,054917667	0,02974533	1,020831911	Slc22a30
17447921	6,087058	5,797627	5,93453	5,978327	6,059683	5,870504	5,9397383	5,969504667	0,02976633	1,02084677	Fam184b
17540431	4,128449	4,543353	4,420138	4,279186	4,43303	4,469027	4,36398	4,393747667	0,02976767	1,020847714	---
17261120	4,554122	4,394053	4,522549	4,637122	4,394245	4,528707	4,4902413	4,520024667	0,02978333	1,0208588	---
17398485	13,12242	13,16349	13,10991	13,14289	13,18246	13,15983	13,13194	13,16172667	0,02978667	1,020861158	Fgg
17512752	12,3321	12,3875	12,36563	12,37305	12,30909	12,49245	12,361743	12,39153	0,02978667	1,020861158	LOC100046297 // Rps26
17300663	6,73723	6,406461	6,683596	6,745113	6,455501	6,716079	6,6090957	6,638897667	0,029802	1,020872008	Ltb4r2
17253555	4,4887	4,496355	4,777397	4,677479	4,710661	4,463757	4,587484	4,617299	0,029815	1,020881207	BC030499
17494473	3,949099	4,064012	3,906047	4,097764	3,989541	3,921319	3,9730527	4,002874667	0,029822	1,020886161	Olfr686
17413660	2,910288	2,75555	2,780944	2,748122	3,018731	2,769435	2,815594	2,845429333	0,02983533	1,020895596	---
17460533	5,273701	5,226724	5,22857	5,188798	5,236484	5,39322	5,2429983	5,272834	0,02983567	1,020895832	D6Ertd527e
17230780	8,752535	8,831062	8,594955	8,658233	8,832047	8,777779	8,726184	8,756019667	0,02983567	1,020895832	Iars2
17301899	8,850538	8,811211	8,823223	8,811764	8,821493	8,941277	8,828324	8,858178	0,029854	1,020908805	Sucla2
17367750	6,919439	6,581566	6,590842	6,690464	6,828115	6,662984	6,6972823	6,727187667	0,02990533	1,020945131	Wdr85
17417404	4,984118	4,867517	5,483918	5,237276	5,20346	4,984547	5,111851	5,141761	0,02991	1,020948434	---
17245214	4,662574	4,312721	4,573419	4,498868	4,645946	4,493654	4,516238	4,546156	0,029918	1,020954095	9530003J23Rik
17369252	6,44524	6,081189	6,371339	6,497836	6,250723	6,238975	6,299256	6,329178	0,029922	1,020956926	---
17204017	3,069174	2,880054	2,847366	2,951286	2,831162	3,103921	2,932198	2,962123	0,029925	1,020959049	---
17458866	3,960002	3,872633	4,060075	3,999064	3,999064	3,984362	3,9642367	3,994163333	0,02992667	1,020960228	Ccdc129
17369147	8,248638	8,279906	8,244197	8,332721	8,281107	8,248709	8,2575803	8,287512333	0,029932	1,020964002	Nup188
17259866	9,881912	10,03499	9,845786	9,928797	10,00971	9,913989	9,9200896	9,950832	0,029936	1,020966833	---
17412962	5,44345	5,213656	7,427464	7,962269	5,113173	5,098938	6,02819	6,058126667	0,02993667	1,020967305	Gm3893 // Gm3893
17309539	6,670041	6,824096	6,335229	6,676896	6,706806	6,535476	6,6097887	6,639726	0,02993733	1,020967777	Mbnl2 // Mbnl2
17403790	4,743907	4,493012	4,781975	4,804122	4,807236	4,497418	4,6729647	4,702925333	0,02996067	1,020984289	4922501L14Rik
17344937	7,913801	7,333724	7,493617	7,647263	7,597569	7,586193	7,5803807	7,610341667	0,029961	1,020984525	---
17363076	4,371847	4,054486	4,071249	4,164773	4,149743	4,272962	4,1658607	4,195826	0,02996533	1,020987592	---
17474924	6,310161	6,189842	6,373417	6,185211	6,43495	6,343218	6,29114	6,321126333	0,02998633	1,021002454	Zfp93 // Zfp93
17334489	7,777138	7,912937	7,885192	7,854547	7,89759	7,913106	7,8584223	7,888414333	0,029992	1,021006464	Mrps34
17273053	7,277987	6,984241	7,233706	7,18335	7,261991	7,140591	7,1653113	7,195310667	0,02999933	1,021011654	---
17239088	3,709693	3,973947	3,963252	3,594037	4,159803	3,983099	3,8822973	3,912313	0,03001567	1,021023213	---
17451865	6,605314	6,133854	6,455694	6,254519	6,471313	6,559099	6,3982873	6,428310333	0,030023	1,021028403	---
17205431	5,934923	5,859515	5,510734	5,436846	5,812741	6,145661	5,7683907	5,798416	0,03002533	1,021030055	---
17413456	3,869337	3,668836	3,624313	3,571422	3,791029	3,890111	3,7208287	3,750854	0,03002533	1,021030055	---
17387359	3,216424	2,903462	3,282941	3,185599	3,08471	3,222693	3,1342757	3,164334	0,03005833	1,02105341	A130030D18Rik
17400091	7,909347	8,25885	8,136099	8,150405	8,146994	8,097074	8,101432	8,131491	0,030059	1,021053882	Mrpl9
17391781	4,065633	3,998261	4,016477	3,91873	4,371786	3,880049	4,0267903	4,056855	0,03006467	1,021057892	Gm14057
17368302	8,694104	8,735621	8,673383	8,770985	8,748372	8,673949	8,701036	8,731102	0,030066	1,021058836	Pmpca
17525218	3,385022	3,290758	3,398802	3,400207	3,42732	3,337256	3,358194	3,388261	0,030067	1,021059543	---
17208619	4,564909	4,377326	5,524326	4,754707	5,507805	4,294267	4,822187	4,852259667	0,03007267	1,021063554	---
17408644	3,727162	3,95015	3,757157	3,870635	3,730785	3,923278	3,8114897	3,841566	0,03007633	1,021066149	---
17463051	6,191795	5,814138	6,032592	6,061655	6,19805	5,869059	6,0128417	6,042921333	0,03007967	1,021068508	Lpar5
17439138	6,496715	6,463937	6,563612	6,646755	6,54208	6,425688	6,508088	6,538174333	0,03008633	1,021073227	Shroom3
17312022	5,082809	4,883041	4,934266	4,982644	4,982644	5,025114	4,9667053	4,996800667	0,03009533	1,021079596	Wisp1
17359943	7,699434	7,310053	7,077048	7,496029	7,04281	7,63799	7,3621783	7,392276333	0,030098	1,021081484	---
17534249	4,006875	3,805641	3,767951	3,887565	3,893256	3,889956	3,8601557	3,890259	0,03010333	1,021085259	---
17486521	2,786533	3,07473	3,222977	3,073336	3,215868	2,885413	3,02808	3,058205667	0,03012567	1,021101065	Vmn1r83
17477229	5,913918	5,768862	6,28452	5,934266	6,094925	6,028509	5,9891	6,019233333	0,03013333	1,021106492	Klk9
17352345	3,755353	3,709628	4,045721	3,704841	4,097688	3,798584	3,8369007	3,867037667	0,030137	1,021109087	---
17444267	6,96163	6,718057	7,027662	7,032436	6,851207	6,914129	6,9024497	6,932590667	0,030141	1,021111918	Fscn1
17437830	6,575044	6,647871	6,399681	6,548867	6,461499	6,70268	6,5408653	6,571015333	0,03015	1,021118288	Rhoh
17499732	3,994832	4,231401	4,244908	4,165556	4,099712	4,296363	4,157047	4,187210333	0,03016333	1,021127725	Gm10104

17389157	5,506447	5,822917	5,760779	5,516259	5,892949	5,771456	5,6967143	5,726888	0,03017367	1,021135039	Fibin
17341399	7,162883	6,980563	7,025482	7,175143	7,201417	6,882909	7,0563093	7,086489667	0,03018033	1,021139758	Gm4944
17463140	7,852033	7,849031	7,705865	7,733326	7,9148	7,849407	7,8023097	7,832511	0,03020133	1,021154622	Mrpl51
17279131	8,806543	8,796434	8,662884	8,750937	8,798753	8,806781	8,755287	8,785490333	0,03020333	1,021156037	Tnfaip2
17440795	7,135881	7,05494	7,182648	7,3492	7,183682	6,931235	7,1244897	7,154705667	0,030216	1,021165003	Usp30
17460724	5,78413	5,767463	5,911954	5,980619	5,816176	5,757424	5,8211823	5,851406333	0,030224	1,021170665	Plxna1 // Plxna1
17332140	7,997473	8,247749	7,949461	8,158418	8,091707	8,035246	8,0648943	8,095123667	0,03022933	1,02117444	Gart
17476705	7,348975	7,29577	7,299758	7,197427	7,450098	7,387749	7,3148343	7,345091333	0,030257	1,021194024	---
17370060	5,403627	5,143253	5,280716	5,309786	5,427177	5,181427	5,2758653	5,30613	0,03026467	1,021199451	C130021I20Rik
17465449	10,06686	10,1575	10,08261	10,10502	10,15338	10,13937	10,102323	10,13259	0,03026667	1,021200866	Tnpo3
17499586	5,288125	5,317387	5,23941	5,273618	5,329127	5,333004	5,2816407	5,311916333	0,03027567	1,021207237	Spag11a
17392951	3,680558	3,522793	3,572462	3,587332	3,428503	3,850832	3,5919377	3,622222333	0,03028467	1,021213608	Defb22
17357222	9,374479	9,181828	8,924683	9,186108	9,098907	9,286833	9,16033	9,190616	0,030286	1,021214551	---
17549190	6,064131	5,582698	5,626841	6,093007	5,514674	5,756849	5,75789	5,788176667	0,03028667	1,021215023	---
17277212	7,783835	7,935035	7,723218	7,864034	7,865761	7,803163	7,8140293	7,844319333	0,03029	1,021217383	Zfp410
17200629	3,577124	3,899425	3,605632	3,804447	3,693184	3,675483	3,6940603	3,724371333	0,030311	1,021232248	---
17269870	7,030396	7,548615	7,522199	7,363208	7,320804	7,508193	7,36707	7,397401667	0,03033167	1,021246877	Ptges3l // Aarsd1
17321559	6,61104	6,47517	6,115405	6,534997	6,383533	6,374106	6,4005383	6,430878667	0,03034033	1,021253012	---
17426756	4,375723	4,076751	4,053823	4,175831	4,140384	4,281107	4,1687657	4,199107333	0,03034167	1,021253956	Gm5860
17276552	7,046503	6,761622	7,13648	7,060609	6,971581	7,003463	6,981535	7,011884333	0,03034933	1,021259383	Akap5
17506249	7,275948	7,334817	7,233903	7,312335	7,239905	7,383563	7,281556	7,311934333	0,03037833	1,021279912	Gse1
17213060	3,999254	4,054777	3,995363	4,025914	4,110702	4,003983	4,0164647	4,046866333	0,03040167	1,021296429	Aox4
17383571	7,560136	7,70692	7,581375	7,864911	7,503767	7,570961	7,6161437	7,646546333	0,03040267	1,021297137	D2Wsu81e
17283293	6,145558	6,035022	6,285836	6,364125	6,102208	6,091294	6,155472	6,185875667	0,03040367	1,021297845	Gpr68
17453102	11,75261	11,93512	12,02083	11,92367	11,99391	11,88223	11,902853	11,93327	0,03041667	1,021307048	Rps16 // Rps16
17405414	10,604	10,56685	10,47426	10,51971	10,65518	10,56158	10,54837	10,57882333	0,03045333	1,021333005	Serp1
17547628	6,188522	6,419497	6,33005	6,331352	6,18788	6,510213	6,3126897	6,343148333	0,03045867	1,021336781	---
17550386	4,147612	4,00568	4,64973	4,297741	4,264236	4,332482	4,267674	4,298153	0,030479	1,021351176	---
17232750	4,967759	4,717104	5,022729	4,824175	5,04498	4,929878	4,9025307	4,933011	0,03048033	1,02135212	Slc22a16
17399069	5,742382	5,823992	5,785025	5,978091	5,649445	5,81534	5,7837997	5,814292	0,03049233	1,021360615	Paqr6
17207477	6,409371	5,890485	6,567905	6,44395	5,630467	6,884826	6,2892537	6,319747667	0,030494	1,021361795	---
17255064	6,437037	6,408648	6,348075	6,414254	6,417995	6,45301	6,39792	6,428419667	0,03049967	1,021365807	Mmd
17497651	5,592228	5,668609	5,530328	5,671396	5,665936	5,545368	5,597055	5,627566667	0,03051167	1,021374302	Olfr536 // Olfr536
17547951	9,161386	9,104381	9,213255	9,096018	9,204133	9,270428	9,159674	9,190193	0,030519	1,021379494	Gm4416
17535208	9,560752	9,595261	9,238455	9,455524	9,476932	9,55357	9,4648227	9,495342	0,03051933	1,02137973	Fmr1
17388854	8,005671	8,07747	7,961391	8,019202	8,042462	8,074478	8,014844	8,045380667	0,03053667	1,021392002	Caprin1
17498255	9,854227	9,975582	9,890283	9,875395	9,967645	9,968679	9,9066973	9,937239667	0,03054233	1,021396013	Nap1l4
17429632	4,671512	4,57941	4,665764	4,566436	4,695316	4,746577	4,6388953	4,669443	0,03054767	1,021399789	Mfsd2a
17417676	4,297575	4,237681	4,350434	4,208851	4,19624	4,572281	4,29523	4,325790667	0,03056067	1,021408993	Rnf220
17316348	6,365479	6,716619	6,789933	6,746392	6,770184	6,447139	6,6240103	6,654571667	0,03056133	1,021409465	Snord123
17472990	8,560905	8,503843	8,370844	8,485725	8,53766	8,503939	8,4785307	8,509108	0,03057733	1,021420793	Ipo8
17458990	8,17241	7,969486	7,850531	7,8238	8,0422	8,218177	7,9974757	8,028059	0,03058333	1,021425041	Lancl2
17387912	6,809451	6,435269	6,800114	7,300933	6,705785	6,129892	6,6816113	6,712203333	0,030592	1,021431177	Olfr1226
17519868	4,574681	4,410878	4,635424	4,461205	4,731795	4,519765	4,5403277	4,570921667	0,030594	1,021432593	Htr1b // Htr1b
17248873	9,292898	9,295248	9,477392	9,386946	9,510033	9,260349	9,3551793	9,385776	0,03059667	1,021434481	Gnb2l1
17513878	6,807197	7,013216	6,900306	6,840843	7,020471	6,951223	6,9069063	6,937512333	0,030606	1,021441089	Spata2l
17204461	4,213151	4,608956	4,425171	4,849525	3,900316	4,589273	4,4157593	4,446371333	0,030612	1,021445337	---
17331256	3,025675	3,215674	3,300287	3,439409	3,148016	3,046051	3,1805453	3,211158667	0,03061333	1,021446281	Olfr196
17404156	3,307006	3,216789	3,236723	3,198559	3,396896	3,256975	3,253506	3,284143333	0,03063733	1,021463274	Gm10745
17237053	5,440957	5,341822	5,239015	5,389906	5,310318	5,413536	5,340598	5,371253333	0,03065533	1,021476018	Gm4340 // Gm4340
17461923	4,949666	4,694089	4,876138	4,878681	4,814932	4,918274	4,8399643	4,870629	0,03066467	1,021482626	Syn2
17409234	6,05637	6,248388	6,140376	6,1891	6,225536	6,122524	6,148378	6,179053333	0,03067533	1,021490179	Cyb561d1
17403913	4,704465	4,451337	4,446126	4,777902	4,485184	4,430885	4,533976	4,564657	0,030681	1,021494191	LOC624759 // LOC624759
17390872	3,377767	3,551247	3,620655	3,63821	3,523492	3,480018	3,5165563	3,54724	0,03068367	1,021496079	---
17448235	5,383355	4,969708	5,454731	5,278743	5,766853	4,854254	5,2692647	5,29995	0,03068533	1,021497259	Gm3716
17457694	4,37953	4,534909	4,281297	4,461655	4,509971	4,316169	4,3985787	4,429265	0,03068633	1,021497967	---
17461897	7,255778	7,336903	7,274874	7,267679	7,416037	7,275902	7,289185	7,319872667	0,03068767	1,021498911	Atg7
17548904	5,589356	5,393548	5,479963	5,544423	5,532413	5,478144	5,4876223	5,518326667	0,03070433	1,021510712	Gm6489
17240303	7,52027	7,521568	7,318926	7,274057	7,429491	7,749343	7,453588	7,484297	0,030709	1,021514017	G630090E17Rik
17518318	7,479058	8,200277	7,095728	7,742347	7,370246	7,754614	7,5916877	7,622402333	0,03071467	1,021518029	---
17250863	5,730623	5,71687	6,184489	5,754292	6,065431	5,904428	5,8773273	5,908050333	0,030723	1,021523929	2810001G20Rik
17402698	6,234844	6,179976	5,59277	6,136239	5,858428	6,105092	6,00253	6,033253	0,030723	1,021523929	Dkk2
17302955	4,415835	4,523116	4,230208	4,308971	4,311692	4,640669	4,3897197	4,420444	0,03072433	1,021524874	1700024B18Rik // 1700024B18Rik
17289163	10,1921	10,0814	10,04738	10,0467	10,17796	10,18841	10,10696	10,13769	0,03073	1,021528886	Dmgdh
17537224	4,164168	4,028548	4,071989	4,300108	3,989702	4,067112	4,088235	4,118974	0,030739	1,021535259	L1Md-Gf21
17467373	3,532455	3,184582	3,790962	3,512885	3,586511	3,500861	3,5026663	3,533419	0,03075267	1,021544936	---
17356964	9,832567	9,814379	9,753492	9,873855	9,806224	9,812639	9,800146	9,830906	0,03076	1,021550128	Trmt112
17406701	5,919144	5,987823	5,951515	5,925245	5,886217	6,139322	5,9528273	5,983594667	0,03076733	1,021555321	1700021C14Rik
17548721	3,859473	3,665273	3,621541	3,774894	3,68282	3,780921	3,715429	3,746211667	0,03078267	1,021566178	4933407I18Rik
17534349	7,064521	7,105786	7,134892	7,209738	6,991474	7,196356	7,101733	7,132522667	0,03078967	1,021571135	---
17487369	11,77289	11,65141	11,73283	11,77053	11,72456	11,75442	11,719043	11,74983667	0,03079333	1,021573731	Apoc4
17331607	4,695252	4,869594	4,557601	4,683742	4,901003	4,630097	4,7074823	4,738280667	0,03079833	1,021577272	Tmprss15
17383498	3,705276	3,716935	3,63582	3,587447	3,809163	3,753819	3,6860103	3,716809667	0,03079933	1,02157798	Med27
17235365	4,75707	4,618584	4,897035	4,984223	4,69316	4,687706	4,757563	4,788363	0,0308	1,021578452	---
17487564	3,857028	3,38972	3,19283	3,806146	3,338924	3,386926	3,4798593	3,510665333	0,030806	1,021582701	Vmn1r122
17313985	4,802824	4,965041	4,778716	4,775781	4,879183	4,984038	4,8488603	4,879667333	0,030807	1,021583409	B230214G05
17357938	5,199372	5,645318	5,356621	5,085049	5,636391	5,572302	5,400437	5,431247333	0,03081033	1,021585769	Olfr1494
17344444	11,90361	11,95408	11,97535	11,99931	11,98669	11,93948	11,944347	11,97516	0,03081333	1,021587893	Tubb5
17531215	6,476079	6,395349	6,44173	6,367006	6,535354	6,50324	6,4377193	6,468533333	0,030814	1,021588366	Mir191 // Mir191
17320556	6,623343	6,477402	6,651234	6,605274	6,579183	6,659998	6,583993	6,614818333	0,03082533	1,021596391	Rabl2
17463667	7,029072	7,094122	6,807816	7,191685	6,751795	7,080014	6,9770033	7,007831333	0,030828	1,021598279	Gm19333
17470948	4,935008	4,944099	4,867408	4,969761	4,955716	4,913605	4,915505	4,946360667	0,03085567	1,021617871	Gpr162
17514885	4,217191	3,842429	3,566487	3,857029	3,839701	4,021956	3,875369	3,906228667	0,03085967	1,021620703	Ubtfl1
17242025	6,277966	6,223775	6,179151	6,220909	6,331737	6,220827	6,226964	6,257824333	0,03086033	1,021621175	Prmt2
17305297	2,905982	3,107277	3,437661	3,125254	3,116065	3,302193	3,1503067	3,181170667	0,030864	1,021623772	Gm3676
17350586	4,713016	4,548207	4,491254	4,643757	4,649399	4,551914	4,584159	4,615023333	0,03086433	1,021624008	Gykl1
17522969	3,931695	4,404286	4,488853	4,288406	4,368994	4,260066	4,2749447	4,305822	0,03087733	1,021633214	Mir26a-1
17404835	7,217514	7,309116	7,121139	6,995365	7,40557	7,339473	7,215923	7,246802667	0,03087967	1,021634866	Bbs7
17446170	7,990201	7,846664	7,947639	7,9786	7,964401	7,934154	7,928168	7,959051667	0,03088367	1,021637698	Cdk5
17394772	3,27088	4,071216	3,246083	3,967611	3,468805	3,244436	3,529393	3,560284	0,030891	1,021642892	---
17328573	3,701726	3,875132	3,76995	3,859161	3,707644	3,872677	3,7822693	3,813160667	0,03089133	1,021643128	Vpreb1
17371056	6,927935	6,693551	7,417302	7,260646	6,966859	6,903958	7,0129293	7,043821	0,03089167	1,021643364	---
17550863	3,382905	3,477943	3,485844	3,240377	3,694432	3,50459	3,4488973	3,479799667	0,03090233	1,021650917	---
17207571	4,428514	4,697385	5,200359	4,538653	5,041886	4,838447	4,7754193	4,806328667	0,03090933	1,021655874	---
17300079	3,814702	3,615539	3,688139	3,799566	3,753198	3,65835	3,7061267	3,737038	0,03091133	1,021657291	Trav14d-3-dv8
17460105	3,377553	3,690999	3,624166	3,507221	3,61749	3,660757	3,5642393	3,595156	0,03091667	1,021661068	---
17216753	7,122046	7,173118	7,125375	7,164858	7,173401	7,175062	7,1401797	7,171107	0,03092733	1,021668621	Mgat5
17375782	9,316281	9,512491	9,384007	9,364479	9,6298	9,311348	9,4042597	9,435209	0,03094933	1,021684201	Snrnp200
17387648	3,587383	3,294738	3,385825	3,579891	3,432297	3,348608	3,4226487	3,453598667	0,03095	1,021684673	Olfr1045
17300235	6,49566	6,657918	6,728926	6,2887	6,712587	6,974069	6,6275013	6,658452	0,03095067	1,021685145	---
17295308	6,533286	6,349338	6,687951	6,530485	6,574211	6,558736	6,523525	6,554477333	0,03095233	1,021686326	Rgnef
17462285	7,998085	8,142791	8,078285	8,029068	8,168259	8,114733	8,0730537	8,10402	0,03096633	1,02169624	Fbxl14
17551067	8,768055	8,67776	8,749016	8,71211	8,731098	8,844561	8,7316103	8,762589667	0,03097933	1,021705447	---
17340500	11,02167	11,10036	11,10588	11,14391	11,17708	10,99992	11,07597	11,10697	0,031	1,021720083	Atp5g2
17337895	6,97673	6,89361	6,972762	7,019075	6,965744	6,95129	6,9477007	6,978703	0,03100233	1,021721735	Aars2
17297503	6,395337	6,722251	6,647831	6,470573	6,775311	6,612556	6,588473	6,61948	0,031007	1,02172504	2310021P13Rik
17358375	8,2174	8,270615	7,882977	8,195423	7,960822	8,30778	8,123664	8,154675	0,031011	1,021727873	Smarca2
17378184	5,58696	5,477452	5,582193	5,681565	5,431408	5,626677	5,5488683	5,579883333	0,031015	1,021730706	Bpifb9a
17513209	9,543938	9,499006	9,468221	9,482038	9,584982	9,537214	9,5037217	9,534744667	0,031023	1,02136371	Kars
17547544	4,896881	4,586772	4,274689	4,65582	4,642941	4,552661	4,586114	4,617140667	0,03102667	1,021738968	Gm9919
17485574	6,735817	6,875044	6,792123	6,768631	6,788551	6,938912	6,8009947	6,832031333	0,03103667	1,02174605	Mboat7
17319150	6,238562	6,108488	6,249316	6,163984	6,275867	6,249657	6,1987887	6,229836	0,03104733	1,021753605	Baiap2l2
17319684	9,105364	9,38838	9,712505	9,955721	9,1175	9,226187	9,402083	9,433136	0,031053	1,021757618	Cyp2d37-ps
17293473	8,111251	8,784723	8,509794	8,302101	8,503383	8,693483	8,4685893	8,499655667	0,03106633	1,021767061	---
17402877	4,80187	4,640805	4,873588	5,14952	4,674618	4,58535	4,7720877	4,803162667	0,031075	1,021773199	Nhedc1
17499538	6,866036	6,723943	6,745279	6,786061	6,880802	6,761645	6,7784193	6,809502667	0,03108333	1,021779101	---
17385065	3,925178	3,892223	3,755525	3,858053	3,904854	3,903288	3,857642	3,888731667	0,03108967	1,021783587	Gm13490
17321511	3,297874	3,000519	3,325559	3,190997	3,258375	3,267863	3,207984	3,239078333	0,03109433	1,021786892	---
17382013	7,846395	7,881833	7,842004	7,895591	7,819302	7,948625	7,856744	7,887839333	0,03109533	1,0217876	Dnajc1
17208121	8,067103	8,598134	7,155361	7,911023	8,209352	7,793536	7,9401993	7,971303667	0,03110433	1,021793975	---
17281674	5,679424	5,777501	5,527334	5,790499	5,51419	5,772886	5,6614197	5,692525	0,03110533	1,021794683	---
17455878	7,476936	7,538106	7,620882	7,544235	7,634737	7,550305	7,545308	7,576425667	0,03111767	1,021803418	Peg10
17537163	3,09908	3,163513	3,092792	3,120156	3,221027	3,107584	3,1184617	3,149589	0,03112733	1,021810264	Fam46d
17203779	4,012285	4,390268	4,551461	4,455009	4,548862	4,043559	4,3180047	4,349143333	0,03113867	1,021818291	---
17495617	4,923831	4,56151	4,833993	4,827486	4,777368	4,807963	4,7731113	4,804272333	0,031161	1,02183411	Gpr139
17447803	8,6222	8,71634	8,867627	8,804554	8,749228	8,745886	8,735389	8,766556	0,031167	1,021838359	Fbxl5
17408885	4,484257	4,23843	4,142043	4,394664	4,265955	4,297616	4,2882433	4,319411667	0,03116833	1,021839304	Chi3l7
17419959	7,460662	7,428635	7,439844	7,48803	7,507162	7,427474	7,443047	7,474222	0,031175	1,021844026	Cnr2
17207165	3,104958	3,209493	3,014046	3,397321	3,22136	2,803368	3,109499	3,140683	0,031184	1,0218504	---
17369305	6,030433	5,760735	6,166739	5,944441	6,118649	5,988375	5,985969	6,017155	0,031186	1,021851817	Usp20
17205589	5,742959	6,382208	5,736594	6,582407	5,12049	6,252446	5,9539203	5,985114333	0,031194	1,021857483	---
17218366	7,412025	7,596938	7,395252	7,46067	7,435273	7,601869	7,4680717	7,499270667	0,031199	1,021861025	Stx6
17383129	8,308167	8,492469	8,444573	8,553344	8,494598	8,290928	8,4150697	8,44629	0,03122033	1,021876135	Snora17
17327837	6,38797	6,409392	6,494912	6,596437	6,475016	6,314518	6,430758	6,461990333	0,03123233	1,021884635	Nudt16l1 // Nudt16l1

17417344	6,01113	5,794172	5,742315	5,977732	5,875224	5,788403	5,8492057	5,880453	0,03124733	1,02189526	---
17323736	6,346355	6,224565	6,283854	6,411061	6,268794	6,268686	6,2849247	6,316180333	0,03125567	1,021901163	Gnb1l
17433537	4,748774	4,646707	5,04438	4,968437	4,924856	4,640357	4,813287	4,84455	0,031263	1,021906357	BC039966 // BC039966
17523380	6,730416	6,458408	6,185768	6,112324	6,58436	6,771704	6,4581973	6,489462667	0,03126533	1,02190801	1700048O20Rik
17356153	4,933017	4,611672	4,638232	4,862787	4,920071	4,493878	4,7276403	4,758912	0,03127167	1,021912496	Gpr152
17260699	6,478117	6,39528	6,533128	6,5045	6,565187	6,430696	6,4688417	6,500127667	0,031286	1,021922649	Cobl
17475956	10,06292	9,997482	9,941225	10,08991	10,02349	9,982098	10,000542	10,03183267	0,03129033	1,021925718	Hnrnpl
17433003	4,422679	4,501158	4,931026	4,549808	4,806069	4,592857	4,6182877	4,649578	0,03129033	1,021925718	---
17537518	3,535921	3,465636	3,486325	3,534803	3,367236	3,679715	3,4959607	3,527251333	0,03129067	1,021925954	---
17443067	12,53909	12,64657	12,5779	12,68363	12,6122	12,56161	12,587853	12,61914667	0,03129333	1,021927843	---
17254289	6,725946	6,571043	6,698405	6,562757	6,863256	6,663275	6,6651313	6,696429333	0,031298	1,021931149	Gm11428
17377538	3,242547	3,035969	3,26577	3,173704	3,123009	3,341475	3,1814287	3,212729333	0,03130067	1,021933038	---
17417910	4,845681	4,864364	4,858383	4,916907	4,792886	4,952543	4,8561427	4,887445333	0,03130267	1,021934454	Zmynd12
17357932	3,437747	3,539132	3,071475	3,589492	3,232598	3,320219	3,3494513	3,380769667	0,03131833	1,021945552	Olfr1489
17415231	8,169531	8,214275	7,967428	8,099543	8,175688	8,16997	8,117078	8,148400333	0,03132233	1,021948385	Cdh2 // Cdh2
17374406	7,611583	7,415639	7,376229	7,54456	7,429128	7,523733	7,467817	7,499140333	0,03132333	1,021949094	BC052040
17358638	11,81449	11,92668	11,9221	11,912	11,96192	11,88335	11,887757	11,91909	0,03133333	1,021956177	Rpl31-ps20
17542062	4,235618	4,145535	4,047443	4,468534	3,564863	4,489218	4,1428653	4,174205	0,03133967	1,021960664	Mir743
17221200	3,886645	4,207695	4,294771	4,075851	4,218012	4,189303	4,1297037	4,161055333	0,03135167	1,021969164	Ppp1r42
17357219	9,349138	9,416639	9,414315	9,388445	9,424717	9,461041	9,393364	9,424734333	0,03137033	1,021982387	Hnrnpul2
17550851	3,481272	3,285064	3,361712	3,412901	3,444265	3,365007	3,376016	3,407391	0,031375	1,021985693	---
17388432	4,582266	4,469134	4,643742	4,731207	4,693967	4,364156	4,5650473	4,596443333	0,031396	1,022000569	---
17349181	8,502381	8,457813	8,375177	8,44405	8,513289	8,472278	8,4451237	8,476539	0,03141533	1,022014265	Wdr33
17548728	4,984725	4,746422	4,933592	4,828502	5,029325	4,901185	4,8882463	4,919670667	0,03142433	1,022020641	Crxos1 // Crxos1
17305064	3,805604	3,866954	3,996838	4,004401	4,080571	3,678718	3,8897987	3,92123	0,03143133	1,0220256	9230112D13Rik
17289269	3,168209	3,178431	3,373711	3,075135	3,414948	3,324573	3,240117	3,271552	0,031435	1,022028197	---
17284376	8,855548	8,549563	9,080238	8,87429	8,774771	8,930654	8,8284497	8,859905	0,03145533	1,022042602	Igh-VX24
17387848	4,436834	4,020254	4,163944	4,19337	4,407912	4,114161	4,2070107	4,238481	0,03147033	1,022053228	Olfr1197
17491714	3,234521	3,077854	2,973156	3,081503	3,367236	2,931256	3,095177	3,126665	0,031488	1,022065744	---
17451195	5,33288	5,417166	5,349523	5,37442	5,417429	5,402187	5,366523	5,398012	0,031489	1,022066452	Cryba4
17351747	4,495042	4,282185	4,429653	4,539935	4,392538	4,368902	4,4022933	4,433791667	0,03149833	1,022073065	Ccdc11
17547751	9,507259	9,693778	9,617229	9,595927	9,692944	9,623908	9,6060887	9,637593	0,03150433	1,022077315	Gm3785
17257502	7,449676	7,345723	7,478047	7,374168	7,473083	7,520729	7,424482	7,455993333	0,03151133	1,022082274	Taco1
17363009	4,545175	4,233972	4,788076	4,712599	4,412455	4,536768	4,5224077	4,553940667	0,031533	1,022097624	Plac1l
17286699	4,348104	4,428896	4,577837	4,570231	4,424292	4,454918	4,4516123	4,483147	0,03153467	1,022098805	Gm9979
17535572	4,352529	4,295871	4,448713	4,54409	4,411077	4,236566	4,3657043	4,397244333	0,03154	1,022102584	Atp2b3
17203111	6,937252	6,561514	6,493237	6,94722	6,436253	6,703164	6,664001	6,695545667	0,03154467	1,02210589	---
17226153	2,748616	2,887755	2,836887	2,858894	2,850113	2,858894	2,8244193	2,855967	0,03154767	1,022108015	---
17297678	9,625196	9,952286	9,623339	9,70898	9,779888	9,80664	9,733607	9,765169333	0,03156233	1,022118406	Cnot1 // Cnot1
17534467	4,270905	4,327309	4,339005	4,277791	4,431222	4,322897	4,3124063	4,34397	0,03156367	1,022119351	Gm2483
17434158	5,791991	5,504797	7,123852	7,771929	5,081352	5,662061	6,1402133	6,171780667	0,03156733	1,022121949	---
17489873	9,231174	9,298326	9,26214	9,244334	9,362087	9,279922	9,26388	9,295447667	0,03156767	1,022122185	C80913
17268322	5,220872	4,985474	5,14541	5,186428	5,218979	5,041119	5,117252	5,148842	0,03159	1,022138008	Hoxb3 // Hoxb3
17467664	9,701517	9,587613	9,53067	9,604502	9,723133	9,586981	9,6066	9,638205333	0,03160533	1,022148871	Ptcd3
17380168	4,04937	3,954488	3,968026	3,933079	4,124148	4,009473	3,990628	4,022233333	0,03160533	1,022148871	Spo11
17391732	3,501726	3,493111	3,657743	3,495159	3,705204	3,547097	3,55086	3,582486667	0,03162667	1,022163986	---
17483061	7,326313	7,345009	7,083094	6,978568	7,592389	7,278343	7,251472	7,2831	0,031628	1,022164931	Ccdc101
17363086	7,866383	7,835342	7,79403	7,760569	7,910445	7,919639	7,8319183	7,863551	0,03163267	1,022168237	Dtx4
17250824	4,817009	5,211227	4,878395	5,040694	4,78333	5,17751	4,968877	5,000511333	0,03163433	1,022169418	Cdrt4
17523398	8,184986	8,151071	8,09973	8,098872	8,368332	8,063513	8,1452623	8,176905667	0,03164333	1,022175795	Snrk
17401364	7,97271	8,067692	7,971027	8,025301	8,035416	8,045716	8,0038097	8,035477667	0,031668	1,022193271	St7l
17251978	4,350049	4,224028	4,475733	4,308971	4,108496	4,7274	4,3499367	4,381622333	0,03168567	1,022205789	Clec10a
17495084	6,273165	5,926097	6,097156	6,240703	6,026959	6,123822	6,098806	6,130494667	0,03168867	1,022207915	---
17474122	7,709725	8,200318	8,013337	7,952339	8,072848	7,993327	7,97446	8,006171333	0,03171133	1,022223975	Tmem160
17459157	8,382639	8,511314	8,392786	8,479557	8,489246	8,413071	8,428913	8,460624667	0,03171167	1,022224211	Smarcad1
17447365	5,794338	5,662286	5,954165	6,041656	5,530883	5,933391	5,8035963	5,83531	0,03171367	1,022225628	Htra3
17215813	6,591897	6,376176	6,723372	6,454554	6,776048	6,556014	6,563815	6,595538667	0,03172367	1,022232714	Olfr1411
17418724	5,650599	5,657125	5,505773	5,595716	5,643434	5,669531	5,604499	5,636227	0,031728	1,022235784	Gm12942
17410388	3,959741	4,145632	4,056796	4,10247	4,058825	4,096081	4,0540563	4,085792	0,03173567	1,022241216	---
17548248	4,407921	4,456312	4,251086	4,478904	4,532536	4,199092	4,371773	4,403510667	0,03173767	1,022242634	Gm10685
17203345	5,828787	5,011674	5,630378	5,933643	5,218202	5,414223	5,4902797	5,522022667	0,031743	1,022246413	---
17203737	6,443309	7,5271	6,921108	6,883267	6,54876	7,554756	6,963839	6,995594333	0,03175533	1,022255152	---
17298088	3,30921	3,692164	3,281537	3,183711	3,653235	3,541282	3,427637	3,459409333	0,03177233	1,022267197	---
17342602	6,830422	7,128234	7,202902	7,151104	7,180037	6,925777	7,0538527	7,085639333	0,03178667	1,022277354	Pdia2
17533073	4,299091	4,172944	4,356905	4,21527	4,44401	4,265026	4,2763133	4,308102	0,03178867	1,022278771	Suv39h1
17301839	3,511963	3,5784	3,42917	3,49473	3,680125	3,440046	3,506511	3,538300333	0,03178933	1,022279243	4930434J06Rik
17367999	5,437039	5,615033	5,551792	5,452319	5,601169	5,645747	5,5346213	5,566411667	0,03179033	1,022279952	Fut7
17306344	8,434026	8,54909	8,555853	8,515512	8,609453	8,509424	8,5129897	8,544796333	0,03180667	1,022291526	Slc7a7
17268810	8,459627	8,5565	8,395157	8,190206	8,630491	8,686019	8,470428	8,502238667	0,03181067	1,02229436	1810046J19Rik
17471127	10,79766	10,76611	10,57222	10,60605	10,89387	10,73153	10,711997	10,74381667	0,03182	1,022300974	Cd9
17549422	4,963219	4,906757	4,984549	4,905275	5,093736	4,950995	4,9515083	4,983335333	0,031827	1,022305934	---
17549812	4,963219	4,906757	4,984549	4,905275	5,093736	4,950995	4,9515083	4,983335333	0,031827	1,022305934	---
17408483	5,890638	5,912436	5,992668	5,928472	5,882295	6,080488	5,931914	5,963751667	0,03183767	1,022313493	Ptgfrn
17270583	8,21728	8,172447	8,112584	8,104471	8,327128	8,166286	8,167437	8,199295	0,031858	1,022327901	Nsf
17408422	8,731154	8,724326	8,632585	8,683616	8,741625	8,758458	8,6960217	8,727899667	0,031878	1,022342074	Man1a2
17358724	4,022421	3,848032	3,892226	3,901491	4,000692	3,956141	3,920893	3,952774667	0,03188167	1,022344672	Lipf
17508570	5,301145	5,307346	5,490475	5,367282	5,519985	5,307356	5,366322	5,398207667	0,03188567	1,022347507	Unc5d
17392414	4,968036	5,022795	5,098353	5,132415	5,049235	5,003266	5,029728	5,061638667	0,03191067	1,022365223	6330439K17Rik
17506369	8,555951	8,575575	8,613469	8,625596	8,607016	8,608134	8,581665	8,613582	0,031917	1,022369711	Zc3h18
17290729	8,190695	8,208323	7,945607	8,081967	8,104044	8,25438	8,114875	8,146797	0,031922	1,022373254	Ggps1
17264094	4,372063	3,766114	4,150155	4,22901	4,017635	4,137476	4,0961107	4,128040333	0,03192967	1,022378687	---
17257154	4,678093	5,326977	5,261654	5,329095	5,058875	4,974548	5,088908	5,120839333	0,03193133	1,022379868	---
17226637	4,226428	4,278778	4,465859	4,346232	4,330772	4,389859	4,3236883	4,355621	0,03193267	1,022380813	Zp3r
17341979	5,672547	5,720021	5,843616	5,810235	5,836923	5,684836	5,7453947	5,777331333	0,03193667	1,022383648	Syngr3
17246084	9,347428	9,460763	9,318769	9,322122	9,418468	9,482206	9,3756533	9,407598667	0,03194533	1,022389789	Spryd4
17481460	9,337746	9,322546	9,39006	9,376053	9,380054	9,390089	9,3501173	9,382065333	0,031948	1,022391679	Taf10 // Taf10
17453242	5,57245	5,997653	5,860614	6,034565	5,625515	5,866501	5,810239	5,842193667	0,03195467	1,022396404	Auts2
17247176	5,527593	5,387877	5,643546	5,61343	5,557907	5,483582	5,519672	5,551639667	0,03196767	1,022405616	Ramp3
17351280	3,676304	3,429073	3,446679	3,575414	3,519476	3,553077	3,517352	3,549322333	0,03197033	1,022407506	---
17376443	4,204226	3,897874	4,334196	4,098557	4,126281	4,307376	4,145432	4,177404667	0,03197267	1,02240916	---
17288917	7,058221	7,124928	6,849627	7,175143	7,080078	6,873549	7,0109253	7,042923333	0,031998	1,022427113	Mef2c
17479138	4,506951	4,160702	4,030131	4,527736	4,085699	4,180346	4,2325947	4,264593667	0,031999	1,022427822	4933436H12Rik
17328225	7,496358	7,429037	7,282664	7,203154	7,600431	7,500487	7,4026863	7,434690667	0,03200433	1,022431602	Cpped1
17414456	9,472521	9,310708	9,31991	9,263891	9,368371	9,566914	9,367713	9,399725333	0,03201233	1,022437271	Hsdl2
17512716	7,59435	7,58769	7,592563	7,55414	7,611299	7,705206	7,5915343	7,623548333	0,032014	1,022438452	Terf2
17519167	7,830417	7,621586	7,722139	7,632757	7,811341	7,826095	7,724714	7,756731	0,032017	1,022440578	Rfx7
17484106	9,643744	9,589493	9,706183	9,679548	9,798091	9,557847	9,6464733	9,678495333	0,032022	1,022444122	---
17339840	7,947739	8,048289	7,970542	7,963685	8,0696	8,029379	7,9888567	8,020888	0,03203133	1,022450737	Ccdc75
17409343	7,22433	7,214355	6,456672	6,7562	7,094393	7,140883	6,965119	6,997158667	0,03203967	1,022456643	5330417C22Rik
17429295	4,363067	4,285051	4,427865	4,421713	4,04744	4,702956	4,358661	4,390703	0,032042	1,022458296	---
17363202	3,583219	3,492585	3,507689	3,611434	3,553502	3,514695	3,527831	3,559877	0,032046	1,022461131	---
17529592	3,924032	4,230956	4,061985	3,924314	4,335397	4,053478	4,0723243	4,104396333	0,032072	1,022479558	---
17414520	3,826928	3,762803	3,565317	3,796417	3,817165	3,637686	3,7183493	3,750422667	0,03207333	1,022480503	---
17369507	7,439719	7,351811	7,431937	7,437744	7,504147	7,377838	7,4078223	7,439909667	0,03208733	1,022490425	Fubp3
17485789	6,644532	6,481699	6,487081	6,591735	6,710928	6,406919	6,5377707	6,569860667	0,03209	1,022492315	Tnni3
17468207	4,139413	4,262583	4,430856	4,390343	4,276595	4,26222	4,2776173	4,309719333	0,032102	1,02250082	---
17334205	8,773308	8,943804	8,853166	8,972826	8,874868	8,818901	8,8567593	8,888865	0,03210567	1,022503419	Abca3
17507173	3,034427	3,266171	3,770666	3,382981	3,448653	3,335954	3,357088	3,389196	0,032108	1,022505072	---
17331447	4,34819	4,390415	4,550364	4,490515	4,346427	4,548392	4,4296563	4,461778	0,03212167	1,022514759	Cadm2
17239054	8,550551	8,653935	8,633783	8,666497	8,613158	8,655066	8,6127563	8,649907	0,03215067	1,022535313	Pcmt1
17503462	8,043806	8,078897	8,058109	8,029972	8,081931	8,165375	8,0602707	8,092426	0,03215533	1,02253862	Phkb
17323066	8,252614	8,261979	7,742702	8,209556	7,857974	8,28625	8,085765	8,117926667	0,03216167	1,022543109	---
17265062	5,182081	5,309461	5,50213	5,388562	5,501328	5,200282	5,331224	5,363390667	0,03216667	1,022546653	2810408A11Rik
17308194	6,928907	6,748864	6,931272	7,186537	6,666809	6,852242	6,869681	6,901862667	0,03218167	1,022557285	Rhobtb2
17479160	2,858603	3,153102	3,222167	3,050737	3,141637	3,138122	3,0779573	3,110165333	0,032208	1,022575949	---
17274911	6,72807	6,701098	6,478294	6,617022	6,562619	6,824482	6,6358207	6,668041	0,03222033	1,022584691	Atxn7l1
17208407	7,663013	7,91859	8,208658	8,050633	7,878858	7,957437	7,930087	7,962309333	0,03222233	1,022586109	---
17415109	4,753389	4,850587	5,027441	4,99149	4,874701	4,861897	4,877139	4,909362667	0,03222367	1,022587054	Sh3gl2
17513380	5,627674	5,904874	5,797621	5,843117	5,789665	5,794108	5,776723	5,808963333	0,03224033	1,022598867	Sdr42e1
17321597	8,544991	8,634407	8,764505	8,732031	8,544452	8,764157	8,6479677	8,680213333	0,03224567	1,022602648	Racgap1
17348452	9,812747	9,869114	9,550148	9,852304	9,796346	9,680104	9,744003	9,776251333	0,03224833	1,022604538	---
17453611	7,448493	7,471209	7,407062	7,276045	7,555289	7,592209	7,4422547	7,474514333	0,03225967	1,022612571	Ccl24
17317799	3,314407	3,142813	3,116456	3,252575	3,314979	3,102907	3,1912253	3,223487	0,03226167	1,022613989	---
17281801	3,429664	3,566675	3,530208	3,564069	3,705372	3,353899	3,508849	3,541113333	0,03226433	1,022615879	4930403N07Rik
17281412	7,417186	7,407575	7,171743	7,13939	7,540499	7,413479	7,332168	7,364456	0,032288	1,022632655	Klhl28
17547811	10,28397	10,25791	10,40657	10,24951	10,3897	10,40612	10,31615	10,34844333	0,03229333	1,022636435	Tceb2 // Tceb2
17279749	7,110311	7,248321	7,258708	7,224468	7,281944	7,207828	7,20578	7,23808	0,0323	1,022641161	1110002L01Rik
17433055	7,916931	7,898378	7,75529	7,907005	7,86797	7,892528	7,8568663	7,889167667	0,03230133	1,022642106	Kif1b
17294230	4,358687	4,050675	4,431878	4,533906	4,301713	4,102531	4,2804133	4,312716667	0,03230333	1,022643524	D730050B12Rik
17550402	4,562493	4,427773	4,876142	4,731036	4,68924	4,543098	4,622136	4,654458	0,032322	1,022656755	---
17477292	3,116317	3,315279	3,676996	3,200709	3,358173	3,646696	3,3695307	3,401859333	0,03232867	1,022661481	Klk1b8
17550588	13,40439	13,36742	13,32786	13,28483	13,38269	13,52918	13,366557	13,3989	0,03234333	1,022671878	---
17505493	6,722283	6,789866	7,250243	7,131907	6,966069	6,761499	6,9207973	6,953158333	0,032361	1,022684401	Zfp612
17407969	7,748472	7,73162	7,796442	7,693831	7,850594	7,829197	7,7588447	7,791207333	0,03236267	1,022685582	Plekho1

17487201	5,616152	5,506134	6,031171	5,815813	5,903987	5,530761	5,717819	5,750187	0,032368	1,022689363	Ppm1n
17283939	8,311418	8,418126	8,210723	7,901626	8,579137	8,556617	8,3134223	8,345793333	0,032371	1,02269149	---
17368141	5,510847	5,204028	5,617302	5,714573	5,340617	5,374104	5,444059	5,476431333	0,03237233	1,022692435	Lcn6
17427322	4,861649	4,817336	4,444728	4,738855	4,595087	4,8869	4,7079043	4,740280667	0,03237633	1,02269527	---
17517716	10,04513	10,20659	10,39963	10,28179	10,28821	10,17849	10,217117	10,24949667	0,03238	1,02269787	---
17387723	3,340267	3,448013	3,372706	3,46675	3,503022	3,288365	3,3869953	3,419379	0,03238367	1,022700469	Olfr1099
17429942	5,002361	4,83672	4,88828	5,02738	4,817593	4,979616	4,9091203	4,941529667	0,03240933	1,022718664	2610028E06Rik
17333188	4,912912	4,742352	5,006131	4,784722	5,10027	4,873656	4,8871317	4,919549333	0,03241767	1,022724571	1700110C19Rik
17532213	4,306777	4,154233	3,963374	3,935203	4,491385	4,095052	4,1414613	4,17388	0,03241867	1,02272528	Scn11a
17327270	7,410294	7,351082	7,301553	7,345712	7,352306	7,462174	7,3543097	7,386730667	0,032421	1,022726934	Dopey2
17285763	3,456594	3,647193	3,51815	3,149105	3,66544	3,904664	3,5406457	3,573069667	0,032424	1,022729061	Vmn1r199
17300361	6,696112	7,914017	7,310053	8,045424	6,346176	7,625868	7,3067273	7,339156	0,03242867	1,022732369	---
17219264	7,440839	7,589099	7,490192	7,688979	7,514842	7,413606	7,50671	7,539142333	0,03243233	1,022734968	B4galt3
17435267	6,99505	6,736884	6,83701	6,948684	6,953154	6,764407	6,8563147	6,888748333	0,03243367	1,022735914	Nupl2
17207123	4,186146	4,1612	4,044375	4,905012	3,503609	4,080402	4,1305737	4,163007667	0,032434	1,02273615	---
17463358	6,241808	6,437211	6,405202	6,471642	6,347817	6,362073	6,361407	6,393844	0,032437	1,022738277	Parp11
17361855	8,683872	8,965544	8,786885	8,830523	8,8479	8,855198	8,8121003	8,844540333	0,03244	1,022740403	Pola2
17377283	9,364451	9,487472	9,409292	9,349751	9,572226	9,436594	9,420405	9,452857	0,032452	1,02274891	Xrn2
17214449	8,444958	8,623352	8,763929	8,702019	8,564623	8,663044	8,6107463	8,643228667	0,03248233	1,022770414	Stk16
17367594	9,946165	9,789702	9,867405	9,885339	9,900162	9,915259	9,8677573	9,900253333	0,032496	1,022780103	Yme1l1
17532403	7,397273	7,627438	7,093234	7,296809	7,451666	7,466972	7,3726483	7,405149	0,03250067	1,022783411	Higd1a
17514004	8,124558	8,178569	7,866573	8,03967	8,213011	8,014576	8,0565667	8,089085667	0,032519	1,022796409	Nup133
17462291	7,819867	7,602479	7,636106	7,728372	7,793732	7,633924	7,6861507	7,718676	0,03252533	1,022800899	Rad52
17549088	3,395096	3,380392	3,56083	3,370692	3,611869	3,451421	3,4454393	3,477994	0,03255467	1,022821695	---
17292547	4,596118	4,856796	4,815512	4,724472	4,756885	4,884743	4,756142	4,7887	0,032558	1,022824058	Shc3
17487062	3,335132	3,099489	3,476434	3,622424	3,179939	3,206443	3,303685	3,336268667	0,03258367	1,022842255	Psg25
17201141	7,397348	7,965317	7,66977	7,490398	7,46407	8,175731	7,6774783	7,71006333	0,032588	1,022845327	---
17241806	4,270451	4,61541	4,353815	4,396465	4,504501	4,436502	4,4132253	4,44582667	0,03259733	1,022851944	---
17289635	8,057792	8,016245	7,845936	8,025776	7,893939	8,098072	7,9733243	8,005929	0,03260467	1,022857144	Srek1ip1
17273116	6,420176	6,477211	6,624204	6,631597	6,394934	6,592886	6,507197	6,539805667	0,03260867	1,02285998	1810049H13Rik
17354608	5,243441	5,445901	5,752241	5,545359	5,552643	5,441412	5,4805277	5,513138	0,03261033	1,022861161	Synpo
17207793	3,326218	2,774623	3,233981	3,227674	3,261463	2,943539	3,1116073	3,144225333	0,032618	1,022866597	---
17311461	2,952214	2,784942	2,873227	2,873461	3,043281	2,791499	2,8701277	2,902747	0,03261933	1,022867542	---
17398358	5,425905	5,199408	5,295669	5,382826	5,438485	5,197542	5,306994	5,339617667	0,03262367	1,022870615	---
17519060	8,775759	8,793127	8,7503	8,882168	8,717909	8,817007	8,773062	8,805694667	0,03263267	1,022876996	Sltm
17336209	3,637292	3,732266	3,447605	3,661469	3,680191	3,573409	3,605721	3,638356333	0,03263533	1,022878886	BC033916 // BC033916
17485152	5,039813	4,525352	4,275917	4,558105	4,586332	4,794679	4,613694	4,646372	0,032678	1,022909138	Brsk2
17484035	6,421391	6,210588	6,800815	6,231549	6,683746	6,61555	6,477598	6,510281667	0,03268367	1,022913156	Hmx2
17248992	7,927926	8,116875	7,972418	7,984927	8,041845	8,088503	8,0057397	8,038425	0,03268533	1,022914337	Flt4
17237912	6,041532	6,303517	6,270964	6,313535	6,049247	6,351302	6,2053377	6,238028	0,03269033	1,022917882	A730063M14Rik
17389339	4,387739	4,406441	4,544444	4,529328	4,51614	4,39128	4,446208	4,478916	0,032708	1,022930409	Ryr3
17467148	3,049712	3,070449	3,270892	3,209372	3,053003	3,226817	3,130351	3,163064	0,032713	1,022933954	Vmn1r17
17529647	7,25456	7,070164	7,462054	7,170679	7,505614	7,208632	7,2622593	7,294975	0,03271567	1,022935845	Morf4l1
17412728	2,90146	2,80086	2,840666	2,965712	2,837712	2,837712	2,847662	2,880378667	0,03271667	1,022936554	---
17217610	8,589011	8,839548	8,758681	8,686814	8,789346	8,809258	8,72908	8,761806	0,032726	1,022943172	Csrp1
17260404	2,965196	3,062806	3,217479	3,117302	3,131178	3,095188	3,081827	3,114556	0,032729	1,022945299	---
17314190	6,21382	6,092643	6,357866	6,361244	6,015579	6,385831	6,221443	6,254218	0,032775	1,022977916	Shank3
17447360	5,464257	5,71948	5,629252	5,83902	5,618121	5,454177	5,6043297	5,637106	0,03277633	1,022978861	4931431C16Rik
17238856	6,550528	6,915531	6,302929	6,820111	6,537623	6,509585	6,5896627	6,622439667	0,032777	1,022979334	Syne1
17508423	8,176466	8,264061	8,137175	8,199779	8,242174	8,234174	8,1925673	8,225375667	0,03280833	1,023001552	Ash2l
17415001	3,005828	2,917348	2,934361	3,074383	2,952383	2,929222	2,9525123	2,985329333	0,032817	1,023007697	---
17366718	3,934308	3,921812	3,771324	3,986303	3,912668	3,826926	3,8758147	3,908632333	0,03281767	1,02300817	Mir669i // Mir669i // Mir669i //

17334080	5,78651	5,54533	5,634118	5,632842	5,737288	5,696427	5,6553193	5,688852333	0,033533	1,023515535	Ccdc64b
17223730	4,916141	4,849935	5,039426	4,703413	5,122297	5,080414	4,9351673	4,968708	0,03354067	1,023520974	Dytn
17513238	5,081972	4,937383	4,911263	4,956121	4,940172	5,134953	4,9768727	5,010415333	0,03354267	1,023522393	---
17292011	3,846213	3,815241	3,735696	3,786378	3,967667	3,743766	3,79905	3,832603667	0,03355367	1,023530197	Tfap2a
17284906	6,303787	6,028652	6,346592	6,433432	6,505282	5,841004	6,2263437	6,259906	0,03356233	1,023536346	Calm4
17375308	8,479647	8,570885	8,329898	8,489118	8,467757	8,524311	8,4601433	8,493728667	0,03358533	1,023552663	Wdr76
17337269	7,726983	7,779909	7,87878	7,828365	7,876864	7,781235	7,795224	7,828821333	0,03359733	1,023561177	Nrm
17312637	4,277813	4,204018	4,333911	4,256778	4,442246	4,217537	4,271914	4,305520333	0,03360633	1,023567563	Apol6
17248380	9,454845	9,429607	9,329845	9,377691	9,405071	9,532387	9,4047657	9,438383	0,03361733	1,023575367	Lcp2
17223995	4,286767	3,910829	3,843861	4,117656	4,088504	3,93618	4,013819	4,047446667	0,03362767	1,023582698	---
17388653	3,337095	2,996928	3,157149	3,053003	3,381905	3,157149	3,163724	3,197352333	0,03362833	1,023583171	---
17357540	9,735028	10,35858	10,15548	10,30798	10,04738	9,994619	10,083029	10,11665967	0,03363033	1,02358459	---
17502075	7,320883	7,224807	7,467062	7,463618	7,220789	7,429241	7,337584	7,371216	0,033632	1,023585773	Mtap1s
17425296	3,490527	3,56083	3,536358	3,567147	3,53422	3,587252	3,5292383	3,562873	0,03363467	1,023587665	Olfr272
17284280	6,492955	6,766336	6,892641	6,654165	6,846932	6,751753	6,7173107	6,75095	0,03363933	1,023590976	Nudt14
17344925	4,521785	4,266456	4,755854	4,623194	4,588439	4,43338	4,5146983	4,548337667	0,03363933	1,023590976	Olfr137
17275025	3,279184	3,707862	3,904685	3,778037	3,715862	3,498785	3,630577	3,664228	0,033651	1,023599253	Gm5434
17478797	9,856427	9,959696	9,976326	9,871	10,12775	9,894659	9,9308163	9,964469667	0,03365333	1,023600909	---
17523693	4,854941	5,052476	5,31504	5,008614	4,943561	5,371273	5,0741523	5,107816	0,03366367	1,02360824	---
17271984	6,763388	6,653922	6,844487	6,694547	6,869622	6,798668	6,7539323	6,787612333	0,03368	1,023619829	Slc25a19
17387538	6,61645	6,354624	6,663487	6,444098	6,683431	6,608072	6,5448537	6,578533667	0,03368	1,023619829	Rtn4rl2
17435657	4,696083	4,612147	4,675991	4,743314	4,694165	4,647786	4,661407	4,695088333	0,03368133	1,023620775	4632411P08Rik
17217366	5,291541	4,857676	5,252754	5,209714	5,141722	5,151657	5,1339903	5,167697667	0,03370733	1,023639223	---
17349067	7,689088	7,739839	7,556114	7,755174	7,59062	7,740374	7,6616803	7,695389333	0,033709	1,023640405	AW554918
17507825	3,249839	3,521179	3,305576	3,415646	3,361696	3,400381	3,3588647	3,392574333	0,03370967	1,023640878	Defb40
17537118	3,784654	3,449194	3,998225	3,842311	3,737851	3,753057	3,7440243	3,777739667	0,03371533	1,023644899	P2ry10
17407738	6,067059	6,086117	6,016133	6,076381	6,101515	6,092592	6,0564363	6,090162667	0,03372633	1,023652704	Mllt11
17485536	4,472188	4,489923	4,668215	4,618293	4,533865	4,579357	4,543442	4,57717667	0,03372967	1,023655069	---
17549158	3,258198	3,232126	3,619119	3,293711	3,441523	3,475422	3,3698143	3,403552	0,03373767	1,023660746	---
17300097	3,549094	3,635204	3,707559	3,734691	3,531765	3,726639	3,630619	3,664365	0,033746	1,023666658	---
17353356	3,468778	3,313381	3,815042	3,225501	3,713285	3,75966	3,5324003	3,566148667	0,03374833	1,023668314	---
17425382	5,211894	4,369464	4,916286	4,670326	4,995613	4,933017	4,832548	4,866318667	0,03377067	1,02368161	---
17469775	9,122437	9,229084	9,113646	9,118534	9,296919	9,15105	9,1550557	9,188834333	0,03377867	1,023689837	Tmem111
17447958	7,133064	7,203108	7,097114	7,395064	7,148176	6,991409	7,1444287	7,178216333	0,03378767	1,023696224	Gm3414
17375396	11,3175	11,07535	11,12333	11,20417	11,19244	11,22094	11,17206	11,20585	0,03379	1,023697879	Sord
17345814	3,59434	3,754929	3,677501	3,846647	3,632855	3,648695	3,67559	3,709399	0,033809	1,023711361	1700008K24Rik
17336509	4,510565	4,369052	4,31909	4,417298	4,428116	4,454853	4,399569	4,433422333	0,03385333	1,02374282	H2-Eb2
17209195	6,057483	5,420586	5,507084	6,005781	5,493393	5,587579	5,6617177	5,695584333	0,03386667	1,023752281	---
17257743	13,18023	13,12507	13,19323	13,23631	13,17432	13,18951	13,166177	13,20004667	0,03387	1,023754647	Apoh
17547563	4,778166	4,499289	4,648069	4,781617	4,469136	4,776418	4,6418413	4,675723667	0,03388233	1,023763399	Gm10743
17504707	6,024557	6,102599	6,024748	6,126724	6,109348	6,017531	6,0506347	6,084534333	0,03389967	1,023775699	Nol3
17477369	4,532384	4,317802	4,775579	4,49244	4,827082	4,407984	4,5419217	4,575835333	0,03391367	1,023785634	Klk1b3
17258186	9,004771	9,042452	9,007162	8,860682	9,176086	9,119363	9,0181283	9,052043667	0,03391533	1,023786816	Ict1
17279349	7,655293	7,60329	7,351461	7,326581	7,800278	7,584997	7,5366813	7,570618667	0,03393733	1,023802428	Adssl1
17297003	4,44193	4,471263	3,913222	4,71593	4,296066	3,916257	4,2754717	4,309417667	0,033946	1,023808579	4933406F09Rik
17496013	3,598933	3,866245	3,280158	3,462136	3,460001	3,925068	3,5817787	3,615735	0,03395633	1,023815912	---
17487977	4,476257	4,379688	4,652614	4,332527	4,669693	4,608212	4,502853	4,536810667	0,03395767	1,023816858	Gm7092
17253746	8,541017	8,538268	8,377388	8,610836	8,553571	8,394178	8,4855577	8,519528333	0,03397067	1,023826083	Nf1
17527630	4,829473	4,721393	4,76881	4,861302	4,727192	4,833127	4,7732253	4,807207	0,03398167	1,02383389	Ccdc33
17246682	9,28488	9,486633	9,294567	9,393848	9,453589	9,32059	9,35536	9,389342333	0,03398233	1,023834363	Pes1
17357771	9,418099	9,469987	9,318485	9,449122	9,42776	9,431682	9,4021903	9,436188	0,03399767	1,023845245	Osbp
17233646	8,593706	8,723088	8,689104	8,651136	8,777744	8,679062	8,6686327	8,702647333	0,03401467	1,023857309	4632428N05Rik
17339081	8,064611	8,056142	7,982382	8,051084	8,129446	8,024653	8,0343783	8,068394333	0,034016	1,023858255	Fert2
17466930	5,281439	5,070384	5,651464	5,298182	5,453629	5,353526	5,334429	5,368445667	0,03401667	1,023858728	---
17261171	2,982088	2,902309	2,839719	2,95398	2,981618	2,890577	2,9080387	2,942058333	0,03401967	1,023860857	---
17311339	3,823961	3,651848	3,829737	3,695748	3,959304	3,752606	3,7685153	3,802552667	0,03403733	1,023873395	---
17358012	6,401258	7,183438	7,310053	6,987039	6,741334	7,268551	6,9649163	6,998974667	0,03405833	1,023888299	---
17359994	6,435262	6,488913	6,33578	6,421157	6,544471	6,396502	6,419985	6,454043333	0,03405833	1,023888299	Fbxl15
17274637	7,244873	7,339952	7,386533	7,348327	7,382549	7,342658	7,323786	7,357844667	0,03405867	1,023888536	Rnaseh1
17281459	4,219798	4,052726	4,225098	4,248235	4,16239	4,189197	4,165874	4,199940667	0,03406667	1,023894213	Mdga2
17246457	3,279823	3,105293	3,365528	3,189692	3,488573	3,174581	3,2502147	3,284282	0,03406733	1,023894686	Olfr823
17258064	5,658364	5,956482	5,77634	5,782681	5,903025	5,807701	5,797062	5,831135667	0,03407367	1,023899181	Kif19a
17220475	6,853345	6,911153	6,746773	6,781849	6,805606	7,026037	6,8370903	6,871164	0,03407367	1,023899181	Dusp10
17203965	7,64901	7,082389	7,407961	7,68257	7,438644	7,120382	7,3797867	7,413865333	0,03407867	1,02390273	---
17201759	6,66971	6,916881	7,247399	6,754939	7,053954	7,12735	6,9446633	6,978747667	0,03408433	1,023906752	---
17201935	6,66971	6,916881	7,247399	6,754939	7,053954	7,12735	6,9446633	6,978747667	0,03408433	1,023906752	---
17329428	5,26334	4,990657	5,559603	4,952147	5,564611	5,399108	5,2712	5,305288667	0,03408867	1,023909827	Rtp2
17291119	5,174042	5,259855	5,035742	4,95723	5,276832	5,337878	5,1565463	5,190646667	0,03410033	1,023918107	4930557F10Rik
17315891	8,48141	8,369302	7,951824	8,186466	8,148039	8,570379	8,267512	8,301628	0,034116	1,023929226	Il7r
17392724	5,141914	5,005766	5,5144	5,147311	5,428754	5,188388	5,2206933	5,254817667	0,03412433	1,023935141	---
17273526	5,377259	5,019289	5,241783	5,198646	5,187332	5,354738	5,212777	5,246905333	0,03412833	1,02393798	Rab40b
17433261	4,686999	4,876873	4,968806	4,830899	4,796275	5,007896	4,844226	4,878356667	0,03413067	1,023939636	---
17205267	5,751809	6,19557	5,493666	6,081713	5,892228	5,569508	5,8136817	5,847816333	0,03413467	1,023942475	---
17209457	5,751809	6,19557	5,493666	6,081713	5,892228	5,569508	5,8136817	5,847816333	0,03413467	1,023942475	---
17499591	3,582495	3,657712	3,564506	3,603356	3,837215	3,46657	3,601571	3,635713667	0,03414267	1,023948153	Defb14
17318530	4,3915	4,279874	4,229855	4,272937	4,274029	4,456711	4,3004097	4,334559	0,03414933	1,023952884	Gm8140
17506329	4,151978	4,016667	4,127306	4,020184	4,313876	4,064377	4,0986503	4,132812333	0,034162	1,023961874	BC048644
17359251	3,575525	3,452017	3,399641	3,307963	3,42485	3,796891	3,4757277	3,509901333	0,03417367	1,023970155	Cyp2c65
17307650	8,172591	8,201139	7,91742	8,012106	8,248635	8,132948	8,09705	8,131229667	0,03417967	1,023974414	Mtmr9
17216223	3,912702	4,102248	3,694554	3,758414	4,169941	3,883704	3,903168	3,937353	0,034185	1,023978199	Slco6d1
17437803	8,239254	8,124934	8,155357	8,156925	8,20065	8,264539	8,1731817	8,207371333	0,03418967	1,023981511	N4bp2
17508506	3,243228	3,055532	3,444174	3,482828	2,950813	3,411869	3,2476447	3,281836667	0,034192	1,023983167	---
17376276	11,53251	11,72923	11,71244	11,81049	11,72529	11,54101	11,65806	11,69226333	0,03420333	1,023991212	Snord57
17240190	8,048368	8,081222	8,039186	8,00421	8,135983	8,131208	8,0562587	8,090467	0,03420833	1,02399476	Dse
17409594	8,811411	8,915526	8,832126	8,783827	8,941002	8,936884	8,853021	8,887237667	0,03421667	1,024000675	Rnpc3
17486013	5,807477	6,129965	5,837786	5,796712	5,954727	6,126439	5,925076	5,959292667	0,03421667	1,024000675	---
17240720	4,402003	4,078019	4,421027	4,41668	4,124241	4,462781	4,3003497	4,334567333	0,03421767	1,024001385	Gm20047
17374850	8,081833	8,178122	8,126807	8,143	8,224532	8,121886	8,1289207	8,163139333	0,03421867	1,024002095	Rtf1
17548583	4,850206	4,861869	4,566958	4,310853	5,129065	4,94181	4,7596777	4,793909333	0,03423167	1,024011322	Gm10616
17236811	8,439576	8,804701	8,199101	8,523714	8,487844	8,534519	8,481126	8,515359	0,034233	1,024012268	Lum
17526349	10,72183	10,84587	10,76817	10,72414	10,9109	10,80359	10,778623	10,81287667	0,03425333	1,024026701	Arcn1
17255899	5,241523	5,080691	5,363607	5,155694	5,37147	5,26144	5,228607	5,262868	0,034261	1,024032143	B230217C12Rik
17363828	9,014596	8,993876	8,955123	9,012116	9,008533	9,045755	8,987865	9,022134667	0,03426967	1,024038294	Ermp1
17280886	3,459298	3,604662	3,623663	3,560341	3,687389	3,542728	3,562541	3,596819333	0,03427833	1,024044446	---
17345349	6,554057	6,652244	6,756414	6,635313	6,741284	6,688975	6,6542383	6,688524	0,03428567	1,024049651	Tjap1
17250634	5,175288	5,314327	5,473477	5,366235	5,24156	5,458179	5,3210307	5,355324667	0,034294	1,024055567	---
17271194	4,301466	4,360096	4,813175	4,856861	4,353542	4,367222	4,491579	4,525875	0,034296	1,024056986	---
17422314	5,638681	5,64005	5,937732	5,623345	5,900272	5,795787	5,738821	5,773134667	0,03431367	1,024069527	---
17356141	8,663858	8,442203	8,853708	8,752646	8,763247	8,546837	8,6532563	8,687576667	0,03432033	1,024074259	Tmem134
17524359	2,980106	3,080433	3,026743	2,998966	3,202216	2,989096	3,029094	3,063426	0,034332	1,02408254	---
17202955	6,343428	6,463485	6,367598	6,380264	6,521904	6,375376	6,3915037	6,425848	0,03434433	1,024091295	---
17514916	3,953981	3,552574	3,668965	3,922565	3,523541	3,832472	3,7251733	3,759526	0,03435267	1,02409721	Olfr835
17516391	3,960431	4,175335	4,287542	4,196971	4,218755	4,110651	4,1411027	4,175459	0,03435633	1,024099813	1700063D05Rik
17420761	5,970978	6,142061	6,260916	6,130724	6,16146	6,184847	6,1246517	6,159010333	0,03435867	1,024101469	Iffo2
17526464	4,429147	4,346232	4,383501	4,466846	4,412275	4,382843	4,3862933	4,420654667	0,03436133	1,024103362	Cd3e
17545087	5,299387	4,879131	4,628842	4,912393	5,022092	4,975961	4,9357867	4,970148667	0,034362	1,024103836	Chrdl1
17456963	4,78353	4,634665	4,737186	5,096822	4,595524	4,566146	4,7184603	4,752830667	0,03437033	1,024109751	Mir335
17550198	4,78353	4,634665	4,737186	5,096822	4,595524	4,566146	4,7184603	4,752830667	0,03437033	1,024109751	---
17333895	3,320642	3,260451	3,304046	3,410596	3,290776	3,28688	3,2950463	3,329417333	0,034371	1,024110224	Vmn1r235
17387246	7,021536	7,375375	7,012371	7,303839	7,160182	7,048423	7,1364273	7,170814667	0,03438733	1,024121819	Cerkl
17234647	8,972878	9,067585	8,957277	8,986293	9,114841	8,999865	8,9992467	9,033666333	0,03441967	1,024144771	Itgb2
17279959	5,443062	5,262866	5,42169	5,373997	5,541177	5,31571	5,3758727	5,410294667	0,034422	1,024146428	---
17499843	4,175392	4,022876	4,112491	4,118625	4,156356	4,139069	4,1035863	4,138016667	0,03443033	1,024152343	Ccdc70
17530243	13,97604	14,07843	14,01948	14,03645	14,08995	14,05088	14,02465	14,05909333	0,03444333	1,024161572	Trf
17485471	3,733848	3,940124	3,968427	3,847439	3,934785	3,963542	3,8807997	3,915255333	0,03445567	1,024170327	Mrgprd
17263692	6,767642	7,076251	6,914896	6,938543	6,909709	7,013914	6,9195963	6,954055333	0,034459	1,024172694	Tmem11
17389709	6,144901	6,208555	6,534708	6,402936	6,529827	6,058787	6,2960547	6,330516667	0,034462	1,024174824	Gpr176
17452818	9,421143	9,421432	9,406559	9,460249	9,52968	9,362608	9,416378	9,450845667	0,03446767	1,024178846	Sbno1
17481340	5,801548	5,555765	5,75912	5,580453	5,983766	5,655649	5,7054777	5,739956	0,03447833	1,024186419	Olfr665
17482484	11,3094	11,16821	11,06246	11,11609	11,26329	11,26418	11,180023	11,21452	0,03449667	1,024199434	Uqcrc2
17546378	6,10743	5,945463	5,509439	5,907613	5,712971	6,045242	5,8541107	5,888608667	0,034498	1,02420038	---
17521686	9,35265	9,449539	9,490645	9,417852	9,563616	9,414878	9,4309447	9,465448667	0,034504	1,02420464	Usp4
17374170	3,795164	3,452221	3,272099	3,760732	3,520177	3,342144	3,5064947	3,541017667	0,034523	1,024218129	Olfr1278
17298488	8,353551	8,208511	8,153835	8,125407	8,322564	8,37151	8,2386323	8,273160333	0,034528	1,024221678	Oxnad1
17238433	10,04301	10,11114	9,96931	10,01125	10,10093	10,11487	10,041153	10,07568333	0,03453	1,024223098	Cs
17299093	2,854521	2,927123	3,054602	2,95875	3,006789	2,974337	2,9454153	2,979958667	0,03454333	1,024232564	Ang5
17422722	7,470227	7,485161	7,466443	7,484866	7,556549	7,484069	7,4739437	7,508494667	0,034551	1,024238007	Aurkaip1
17357556	9,230474	9,527519	9,150226	9,29773	9,378703	9,335439	9,3027397	9,337290667	0,034551	1,024238007	---
17335297	6,889588	6,867984	7,002333	6,915521	6,971748	6,976295	6,9199683	6,954521333	0,034553	1,024239427	Ppard
17303018	5,77822	5,27989	4,85174	5,456444	4,991696	5,565465	5,3032833	5,337868333	0,034585	1,024262145	Gm3500
17364725	7,031768	7,030435	7,110956	7,06935	7,0781	7,12956	7,0577197	7,092336667	0,034617	1,024284865	Rrp12
17449541	11,08172	11,07772	11,07343	10,95433	11,34107	11,04133	11,077623	11,11224333	0,03462	1,024286994	---
17516307	3,230041	2,973156	3,192191	3,167731	3,152474	3,179052	3,131796	3,166419	0,034623	1,024289124	Tmem225
17224360	4,698888	4,39075	4,767953	4,51575	4,819268	4,626448	4,619197	4,653822	0,034625	1,024290544	Prkag3

17318403	3,535254	3,852413	3,335682	3,801056	3,328131	3,69808	3,5744497	3,609089	0,03463933	1,024300721	---
17527353	11,14563	11,12008	11,05851	11,09073	11,14611	11,1913	11,108073	11,14271333	0,03464	1,024301194	Etfa
17278795	5,357508	5,500494	5,200139	5,411324	5,637416	5,113454	5,3527137	5,387398	0,03468433	1,024332671	---
17396581	5,160037	5,158771	5,147813	5,014435	5,373699	5,182556	5,1555403	5,19023	0,03468967	1,024336458	Samd7
17209021	4,189347	4,318237	4,551332	4,858514	4,082543	4,221952	4,352972	4,387669667	0,03469767	1,024342138	---
17247688	5,360095	4,714166	4,916924	5,081512	5,073658	4,940131	4,9970617	5,031767	0,03470533	1,024347581	Gm12059
17486930	8,891672	8,794083	8,739645	8,798828	8,905097	8,825593	8,8084667	8,843172667	0,034706	1,024348055	Grlf1
17248304	7,617796	7,514948	7,49945	7,544262	7,618827	7,573259	7,5440647	7,578782667	0,034718	1,024356575	Ubtd2
17433221	9,019651	8,894952	8,826526	9,000892	8,98816	8,856232	8,9137097	8,948428	0,03471833	1,024356812	Slc25a33
17218058	3,30503	3,387657	3,391732	3,343113	3,475945	3,369526	3,361473	3,396194667	0,03472167	1,024359178	---
17342438	6,302775	6,457436	6,504078	6,619931	6,44157	6,306971	6,4214297	6,456157333	0,03472767	1,024363439	Wdr90
17462167	7,940315	7,926326	7,610745	7,680928	8,088695	7,812049	7,8257953	7,860557333	0,034762	1,024387817	---
17538505	6,317832	5,526987	5,318091	6,052369	5,554056	5,660776	5,72097	5,755733667	0,03476367	1,024389	Ott
17344858	4,928877	5,002259	4,989639	4,981598	5,032544	5,010937	4,9735917	5,008359667	0,034768	1,024392077	---
17286231	5,02602	4,872741	4,725206	4,8383	5,059376	4,830618	4,8746557	4,909431333	0,03477567	1,024397521	Sox4 // Sox4
17398268	4,785196	4,916134	5,067182	5,009827	5,020471	4,842568	4,9228373	4,957622	0,03478467	1,024403911	Gm1647
17379291	7,480824	7,536116	7,418445	7,544147	7,462182	7,533416	7,4784617	7,513248333	0,03478667	1,024405332	Ttpal
17215738	6,23639	6,090562	6,209029	6,218105	6,186667	6,235598	6,1786603	6,213456667	0,03479633	1,024412196	Espnl
17365347	5,840334	5,38186	5,512072	5,637033	5,623662	5,577972	5,5780887	5,612889	0,03480033	1,024415036	Psd
17539023	5,089637	5,328817	5,705672	5,424271	5,291543	5,512716	5,3747087	5,40951	0,03480133	1,024415746	Cypt3
17419038	3,580712	3,629726	3,51964	3,798032	3,549506	3,486997	3,5766927	3,611511667	0,034819	1,024428291	Tmem234
17244211	3,957368	3,652955	4,112525	3,894416	3,913866	4,019037	3,907616	3,942439667	0,03482367	1,024431604	Gm3515
17461078	3,117401	3,649364	3,577704	3,535029	3,524908	3,389013	3,4481563	3,482983333	0,034827	1,024433971	---
17218939	3,198038	3,105469	3,026656	3,232842	3,25742	2,944435	3,1100543	3,144899	0,03484467	1,024446516	1700029M03Rik
17363050	3,424333	3,284475	3,244557	3,38003	3,401891	3,276082	3,3177883	3,352667667	0,03487933	1,024471133	Olfr1419
17457892	8,531691	8,618227	8,648419	8,633195	8,685254	8,584598	8,5994457	8,634349	0,03490333	1,024488176	Casp2
17221454	5,858829	5,750586	6,04914	5,880764	6,032517	5,849992	5,8861185	5,921091	0,034906	1,024490069	Rpl7
17543356	5,605577	5,732639	5,671307	5,884666	5,479211	5,75037	5,669841	5,704749	0,034908	1,02449149	Gm19691
17262665	4,255044	4,486549	4,407561	4,437162	4,299446	4,517295	4,3830513	4,417967667	0,03491633	1,024497407	---
17537347	2,948515	2,789823	2,906867	2,778021	2,939525	3,032441	2,881735	2,916662333	0,03492733	1,024505219	Tgif2lx1 // Tgif2lx2
17337404	3,574312	3,353323	3,481296	3,538216	3,31051	3,664988	3,4696437	3,504571333	0,03492767	1,024505455	Gm6623
17469097	7,706895	7,991258	7,612016	7,658515	7,880303	7,87614	7,7700563	7,804986	0,03492967	1,024506876	Zfyve20
17393543	6,615217	6,37989	6,603603	6,539265	6,639818	6,524463	6,5329033	6,567848667	0,03494533	1,024518001	---
17322200	7,961093	8,157021	7,970347	7,985403	8,209667	7,998249	8,029487	8,064439667	0,03495267	1,024523209	Aaas
17207875	3,83336	4,132679	4,208005	4,551195	3,268893	4,45883	4,0580147	4,092972667	0,034958	1,024526996	---
17455971	7,917296	8,105432	7,945601	8,070421	7,995604	8,00718	7,989443	8,024401667	0,03495867	1,02452747	Mios
17356288	7,730091	7,966197	7,806558	7,751834	7,903406	7,952542	7,834282	7,869260667	0,03497867	1,024541673	Ctsf
17281377	8,958197	9,147918	8,991995	9,062052	9,176406	8,964605	9,0327033	9,067687667	0,03498433	1,024545697	Trappc6b
17325933	3,751297	3,724415	3,873369	3,850203	3,894999	3,708847	3,783027	3,818016333	0,03498933	1,024549248	Gm6030
17204199	3,296127	3,428016	3,823489	3,729071	3,619256	3,304311	3,5158773	3,550879333	0,035002	1,024558243	---
17384923	5,329068	5,243937	5,217349	5,224571	5,260774	5,410081	5,2634513	5,298475333	0,035024	1,024573867	A430092G05Rik
17335177	6,889009	7,05394	6,817982	6,823197	7,067965	6,974848	6,9203103	6,955336667	0,03502633	1,024575524	Uhrf1bp1
17250582	7,144881	7,082006	7,008543	7,130134	7,022393	7,187996	7,0784767	7,113507667	0,035031	1,024578838	Aldh3a2 // Aldh3a2
17205813	7,243105	6,82651	7,526572	7,302217	7,078009	7,321063	7,198729	7,233763	0,035034	1,024580969	---
17412539	7,105494	6,995929	6,350167	6,426372	7,247228	6,883105	6,8171967	6,852235	0,03503833	1,024584047	Rragd
17374906	8,641752	8,820413	8,534089	8,700111	8,780004	8,621255	8,665418	8,700456667	0,03503867	1,024584283	Mga
17549868	7,055003	7,386878	7,327798	7,284957	7,269458	7,320415	7,2565597	7,29161	0,03505033	1,024592569	---
17477540	7,413593	7,276987	7,43569	7,277006	7,399954	7,554532	7,3754233	7,410497333	0,035074	1,024609377	Vrk3
17201755	4,433868	5,402134	5,14054	4,59137	5,560653	4,929767	4,9921807	5,027263333	0,03508267	1,024615532	---
17201931	4,433868	5,402134	5,14054	4,59137	5,560653	4,929767	4,9921807	5,027263333	0,03508267	1,024615532	---
17280804	2,962196	2,998785	2,884911	2,937131	3,019286	2,994746	2,9486307	2,983721	0,03509033	1,024620977	---
17200905	6,588838	5,674903	6,329539	6,588242	6,027203	6,083123	6,19776	6,232856	0,035096	1,024625001	---
17261942	2,894731	2,986907	3,149578	3,025506	3,135985	2,975023	3,0104053	3,045504667	0,03509933	1,024627369	Mir146
17372767	3,207572	3,060334	3,007745	3,355427	3,19941	2,826167	3,0918837	3,127001333	0,03511767	1,02464039	Olfr1020
17345821	3,489821	3,844021	3,939718	3,598988	3,82851	3,951425	3,7578533	3,792974333	0,035121	1,024642757	Gm17830
17294130	4,180577	4,496278	4,384857	4,370792	4,519733	4,276556	4,353904	4,389027	0,035123	1,024644178	---
17217136	6,518244	6,459323	6,468742	6,559832	6,503604	6,488243	6,482103	6,517226333	0,03512333	1,024644414	Slc45a3
17347953	9,189767	9,185259	9,138111	9,1984	9,201509	9,2186	9,1710457	9,206169667	0,035124	1,024644888	Fbxo11
17476653	5,661233	5,516266	5,792772	5,733342	5,548096	5,79423	5,656757	5,691889333	0,03513233	1,024650806	Gm5895
17316610	7,339296	7,372042	7,244625	7,297192	7,392262	7,37194	7,3186543	7,353798	0,03514367	1,024658856	Rrm2b
17313641	8,312469	8,407988	8,4505	8,412618	8,546429	8,317448	8,390319	8,425498333	0,03517933	1,024684188	Rnu12 // Rnu12
17302610	3,565351	3,724713	3,82895	3,778667	3,668445	3,777461	3,706338	3,741524333	0,03518633	1,02468916	4930524C18Rik
17491846	7,640338	7,535939	7,529706	7,529959	7,636336	7,64527	7,568661	7,603855	0,035194	1,024694605	Ndnl2
17280515	8,028126	7,996799	7,84899	7,923027	7,902605	8,153868	7,9579717	7,993166667	0,035195	1,024695315	Cbll1
17292681	5,170625	5,151848	5,270524	5,488831	5,086458	5,123343	5,1976657	5,232877333	0,03521167	1,024707153	---
17497509	4,549558	5,089701	4,636116	4,545034	5,017311	4,818681	4,7584583	4,793675333	0,035217	1,024710941	Mir202
17341856	7,591862	7,462664	7,44864	7,379056	7,673998	7,555764	7,5010553	7,536272667	0,03521733	1,024711178	E4f1
17280310	10,79085	10,95137	10,64762	10,74513	10,76969	10,98068	10,796613	10,83183333	0,03522	1,024713072	Id2
17491632	3,576145	3,363925	4,145732	3,564145	3,533062	4,094287	3,6952673	3,730498	0,03523067	1,024720648	---
17501144	4,648114	4,406943	4,613994	4,85643	4,580112	4,338224	4,5563503	4,591588667	0,03523833	1,024726094	---
17483122	5,088026	5,274732	5,315032	5,029285	5,479402	5,274829	5,22593	5,261172	0,035242	1,024728698	Tbx6
17337659	3,977649	4,091935	4,127988	4,05026	4,2824	3,970656	4,0658573	4,101105333	0,035248	1,02473296	Gm20579
17253150	6,95445	6,85645	6,935543	6,97528	6,924304	6,952614	6,915481	6,950732667	0,03525167	1,024735564	Rnmtl1
17440745	5,295726	5,197596	5,21724	5,271996	5,302002	5,242328	5,236854	5,272108667	0,03525467	1,024737695	---
17548867	5,616052	5,493599	5,519585	5,470389	5,74278	5,521852	5,5430787	5,578340333	0,03526167	1,024742667	---
17449103	3,226663	3,484192	3,418555	3,422742	3,502724	3,309731	3,37647	3,411732333	0,03526233	1,024743141	1700031L13Rik
17502921	5,200617	5,21415	5,18052	5,341973	5,146007	5,213269	5,198429	5,233749667	0,03532067	1,024784576	Clgn
17269281	5,482791	5,535404	5,786962	5,616543	5,691964	5,602685	5,601719	5,637064	0,035345	1,024801861	Krt33b
17402400	6,773037	6,836754	6,903033	6,925884	6,90577	6,787233	6,837608	6,872962333	0,03535433	1,02480849	Gm9372
17391897	3,396943	3,398376	3,532877	3,50971	3,413443	3,511143	3,442732	3,478098667	0,03536667	1,024817251	---
17377887	8,815598	8,762154	8,913208	8,829673	8,972845	8,794557	8,83032	8,865691667	0,03537167	1,024820803	Tm9sf4
17311447	4,016573	3,735431	3,783904	4,038136	3,943851	3,66004	3,8453027	3,880675667	0,035373	1,02482175	1700022A22Rik
17391528	3,714747	3,55963	4,097498	3,641681	4,049271	3,787049	3,790625	3,826000333	0,03537533	1,024823408	---
17419524	8,104958	8,235137	8,016362	8,130898	8,215523	8,116181	8,118819	8,154200667	0,03538167	1,024827907	Wasf2
17347571	9,034189	9,134967	8,965989	9,095612	9,091873	9,053837	9,0450483	9,080440667	0,03539233	1,024835484	Map4k3
17207139	6,819096	6,550869	6,904134	6,748336	6,798269	6,833673	6,758033	6,793426	0,035393	1,024835957	---
17332661	8,728558	8,726477	8,75395	8,585542	8,919632	8,810007	8,7363283	8,771727	0,03539867	1,024839983	Scaf8
17274649	8,143847	8,048779	7,824803	7,915351	8,176003	8,03231	8,0058097	8,041221333	0,03541167	1,024849218	Adi1
17200329	3,747083	3,858074	3,171066	3,277872	3,525002	4,079587	3,5920743	3,627487	0,03541267	1,024849928	---
17414228	7,194552	7,262675	7,216458	7,252775	7,238451	7,288702	7,2245617	7,259976	0,03541433	1,024851112	Fktn
17430462	5,604788	5,731484	5,797159	5,820023	5,7094	5,710319	5,7111437	5,746580667	0,035437	1,024867214	Iqcc // Iqcc
17297462	9,095415	9,212808	9,189487	9,206844	9,268965	9,128221	9,1659033	9,201343333	0,03544	1,024869345	Sec24c
17369860	7,837038	7,702276	7,811266	7,792382	7,807162	7,857363	7,7835267	7,818969	0,03544233	1,024871002	Dpm2
17206849	3,361665	3,538786	3,957518	3,480277	4,107008	3,377023	3,619323	3,654769333	0,03544633	1,024873844	---
17317858	8,29936	8,258307	8,113479	8,200898	8,233517	8,343151	8,2237153	8,259188667	0,03547333	1,024893025	Ptk2
17335966	6,089986	6,148507	5,929529	5,982173	6,068039	6,224241	6,0560073	6,091484333	0,035477	1,024895629	Cyp4f16
17247438	6,550672	6,434994	6,468677	6,533001	6,490124	6,537666	6,484781	6,520263667	0,03548267	1,024899655	Cnrip1
17401144	6,242593	6,319294	6,311119	6,307934	6,227277	6,444302	6,291002	6,326504333	0,03550233	1,024913627	Denndc2c
17550725	3,274261	3,322878	3,396121	3,365393	3,399867	3,334529	3,3310867	3,366596333	0,03550967	1,024918836	---
17376834	6,463036	6,502331	6,197701	6,418413	6,344204	6,506984	6,3876893	6,423200333	0,035511	1,024919784	2210009G21Rik
17474377	5,207156	5,341114	5,271641	5,290825	5,382005	5,253634	5,2733037	5,308821333	0,03551767	1,02492452	Nova2
17481087	7,627805	7,637777	7,684043	7,759579	7,656821	7,63978	7,649875	7,685393333	0,03551833	1,024924993	Stim1
17457063	8,574213	8,700508	8,605725	8,751201	8,557313	8,678494	8,6268153	8,662336	0,03552067	1,024926651	Exoc4
17497673	4,843294	4,577885	4,783901	4,538775	4,829594	4,943318	4,7350267	4,770562333	0,03553567	1,024937307	Zfp941
17229782	8,499038	8,404428	8,033274	8,357116	8,260682	8,425565	8,3122467	8,347787667	0,035541	1,024941096	Slamf7
17205465	7,384743	7,840738	7,665303	7,885047	7,601974	7,510402	7,6302613	7,665807667	0,03554633	1,024944885	---
17331996	6,548275	6,877051	6,781	6,784153	6,794346	6,734487	6,735442	6,770995333	0,03555333	1,024949858	Urb1
17423732	4,466534	4,400379	4,575681	4,425037	4,660674	4,463575	4,4808647	4,516428667	0,035564	1,024957436	---
17313531	4,134937	4,078137	4,537712	4,378689	4,294558	4,184287	4,250262	4,285844667	0,03558267	1,024970698	Mir33
17307041	5,199988	5,231168	5,044209	5,167954	5,133327	5,280846	5,158455	5,194042333	0,03558733	1,024974014	Gm10873
17330965	2,965896	3,074738	3,276262	3,202859	3,144776	3,076058	3,105632	3,141231	0,035599	1,024982302	---
17454897	5,405276	5,428648	5,472814	5,440093	5,478144	5,495314	5,4355793	5,471183667	0,03560433	1,024986092	Ankrd61
17325581	8,377304	8,578731	8,509497	8,433283	8,582932	8,556135	8,4885107	8,524116667	0,035606	1,024987276	Cox17
17528750	5,89723	6,19667	6,242873	6,142246	6,276255	6,0251	6,1122577	6,147867	0,03560933	1,024989644	Tex9
17410828	3,869209	3,553415	3,86903	3,843167	3,79634	3,758976	3,7638847	3,799494333	0,03560967	1,024989881	---
17346528	13,6867	13,67763	13,57396	13,62094	13,73183	13,69235	13,646097	13,68170667	0,03561	1,024990118	C3
17550566	11,09077	11,3782	11,30428	11,21745	11,32833	11,33432	11,25775	11,29336667	0,03561667	1,024994854	---
17349304	5,031112	5,403666	5,147561	5,335464	5,071432	5,282352	5,194113	5,229749333	0,03563633	1,025008827	Tslp
17205471	6,150321	6,344949	6,451574	6,852787	6,193632	6,007417	6,3156147	6,351278667	0,035664	1,025028484	---
17259438	6,076851	5,589709	5,810203	5,752361	5,896358	5,935037	5,8255877	5,861252	0,03566433	1,02502872	Myadml2
17261107	8,180858	8,078764	7,726268	7,873204	7,916009	8,303698	7,9952967	8,030970333	0,03567367	1,025035352	Rel
17346647	7,446587	7,382452	7,483458	7,583728	7,449196	7,386609	7,437499	7,473177667	0,03567867	1,025038904	Fbxl17
17523042	7,285593	7,235369	7,371076	7,422551	7,299437	7,277113	7,297346	7,333033667	0,03568767	1,025045299	Acaa1a
17510120	7,793861	7,779283	7,744539	7,848919	7,817218	7,758611	7,772561	7,808249333	0,03568833	1,025045772	Pgpep1
17550436	3,354214	3,446619	3,433856	3,475531	3,567935	3,298389	3,4111563	3,447285	0,035722	1,025069693	---
17539832	3,982996	3,800142	3,729527	3,866302	3,902022	3,851529	3,837555	3,873284333	0,03572933	1,025074904	2010204K13Rik
17302695	6,091419	5,420287	5,690328	5,658074	5,359379	6,291803	5,7340113	5,769752	0,03574067	1,025082956	---
17279713	2,967489	2,953213	2,872136	2,973156	3,003072	2,923835	2,930946	2,966687667	0,03574167	1,025083667	---
17431853	5,736159	5,36541	5,450725	5,348224	5,725132	5,586164	5,5174313	5,553173333	0,035742	1,025083904	Htr6
17243460	4,954228	4,827406	5,158931	5,088191	4,799863	5,159785	4,9801883	5,015946333	0,035758	1,025095272	Zfp781 // Zfp781
17444290	5,093103	5,102593	4,995934	4,977107	5,246835	5,074982	5,0638767	5,099641333	0,03576467	1,025100009	4930448H16Rik // 4930448H16Rik
17506989	3,349971	3,584183	3,630611	3,430664	3,602498	3,638907	3,5215883	3,557356333	0,035768	1,025102378	---
17270962	6,465929	6,661821	6,524608	6,727505	6,577245	6,454915	6,550786	6,586555	0,035769	1,025103088	Polg2
17479706	7,939305	7,925581	7,97706	7,959342	8,016406	7,973584	7,9473153	7,983110667	0,03579533	1,0251218	Whamm

17305462	6,744972	6,028563	6,246857	6,403016	6,480159	6,244637	6,3401307	6,375937333	0,03580667	1,025129853	---
17305653	7,214361	7,280117	7,293945	7,31508	7,24968	7,331112	7,2628077	7,298624	0,03581633	1,025136721	Styx
17548014	5,086304	5,112753	5,262091	5,289265	5,06864	5,210723	5,153716	5,189542667	0,03582667	1,025144064	---
17314833	6,064656	5,990133	6,143953	6,103642	6,160347	6,042242	6,0662473	6,102077	0,03582967	1,025146196	Aqp2
17381526	4,364538	4,431022	4,463222	4,502005	4,380478	4,483802	4,419594	4,455428333	0,03583433	1,025149512	---
17202173	3,247078	3,225816	3,574726	3,630998	3,331398	3,19274	3,3492067	3,385045333	0,03583867	1,025152591	---
17234630	8,012006	7,925159	7,869816	7,906278	8,06393	7,944361	7,9356603	7,971523	0,03586267	1,025169645	Pofut2
17418259	9,86028	10,08025	9,707417	9,906467	9,881561	9,967535	9,882649	9,918521	0,035872	1,025176277	---
17211174	4,873977	4,94398	4,96769	5,016698	4,740733	5,135916	4,928549	4,964449	0,0359	1,025196174	A830018L16Rik
17274092	3,616487	3,654006	3,807879	3,753485	3,689097	3,743503	3,6927907	3,728695	0,03590433	1,025199254	---
17206989	4,9143	5,54174	4,816755	5,388799	5,197767	4,793943	5,0909317	5,126836333	0,03590467	1,02519949	---
17412763	4,227923	4,256138	4,367969	4,443654	4,321589	4,194509	4,28401	4,319917333	0,03590733	1,025201385	4930509K18Rik
17288583	4,417901	3,549818	3,671891	3,995511	3,898226	3,853596	3,87987	3,915777667	0,03590767	1,025201622	---
17467461	6,825563	6,737301	6,771451	7,050806	6,512456	6,878803	6,778105	6,814021667	0,03591667	1,025208018	---
17406686	4,481843	4,629264	4,613428	4,539999	4,440292	4,851997	4,574845	4,610762667	0,03591767	1,025208728	Mir9-1 // Mir9-1
17285838	5,013257	5,278737	5,200097	5,073496	5,502648	5,023709	5,1640303	5,199951	0,03592067	1,02521086	Hist1h2ao // Hist1h2ai // Hist1h2ab // Hi
17424203	9,425096	9,265806	9,320395	9,171983	9,444672	9,502413	9,337099	9,373022667	0,03592367	1,025212992	Dcaf12
17506917	6,451103	6,302382	6,45567	6,4013	6,61438	6,301306	6,4030517	6,438995333	0,03594367	1,025227205	Kcnk1
17205933	7,483794	7,443441	7,768012	7,754575	7,572076	7,47643	7,5650823	7,601027	0,03594467	1,025227915	---
17424807	5,675332	5,160704	5,439775	5,426358	5,558026	5,399277	5,4252703	5,461220333	0,03595	1,025231705	Olfr71
17300237	3,643654	3,665842	3,91947	3,891366	3,632765	3,812711	3,7429887	3,778947333	0,03595867	1,025237864	---
17550020	3,643654	3,665842	3,91947	3,891366	3,632765	3,812711	3,7429887	3,778947333	0,03595867	1,025237864	---
17463302	5,538308	5,630818	6,088736	5,742929	5,855519	5,767294	5,7526207	5,788580667	0,03596	1,025238812	Kcna6 // Kcna6
17238535	6,285441	6,2907	6,162874	6,280111	6,351477	6,215311	6,2463383	6,282299667	0,03596133	1,025239759	Pmel
17549356	6,44626	6,266603	6,428746	6,328904	6,449416	6,471221	6,3805363	6,416513667	0,03597733	1,02525113	---
17549742	6,44626	6,266603	6,428746	6,328904	6,449416	6,471221	6,3805363	6,416513667	0,03597733	1,02525113	---
17393110	7,115192	7,134153	7,036786	7,027304	7,250661	7,116126	7,095377	7,131363667	0,03598667	1,025257762	Cdk5rap1
17486864	5,70013	5,953732	5,868009	5,750083	5,974602	5,905167	5,8406237	5,876617333	0,03599367	1,025262737	C5ar1
17222205	6,663275	6,774607	6,937502	6,860764	6,966959	6,655645	6,7917947	6,827789333	0,03599467	1,025263448	Ankrd39
17245013	9,534107	9,642162	9,527849	9,58591	9,607869	9,618324	9,5680393	9,604034333	0,035995	1,025263685	Tbc1d15
17512691	6,219625	5,302815	6,01795	5,790979	6,136692	5,720732	5,8467967	5,8882801	0,03600433	1,025270317	---
17235292	3,928103	4,983365	5,040622	4,504694	4,759675	4,795748	4,6506967	4,686705667	0,036009	1,025273634	Rps15
17218186	7,56248	7,116453	7,557265	6,979202	7,714749	7,650288	7,412066	7,448079667	0,03601367	1,02527695	Fam129a
17259513	9,344297	9,21813	8,837925	9,060709	9,33685	9,110834	9,1334507	9,169464333	0,03601367	1,02527695	---
17358764	4,327305	4,278247	4,375935	4,412549	4,513536	4,163445	4,3271623	4,363176667	0,03601433	1,025277424	Lipm
17279230	8,53618	8,54537	8,757405	8,681866	8,628582	8,636557	8,612985	8,649001667	0,03601667	1,025279082	Zfyve21
17508278	4,011245	4,01492	4,173936	4,051177	3,964633	4,292367	4,0667003	4,102725667	0,03602533	1,025285241	Adam32
17313989	5,561247	5,849943	5,845672	5,891733	5,898973	5,574285	5,7522873	5,788330333	0,036043	1,025297797	Zdhhc25
17242088	7,047885	7,058167	7,197837	7,184033	7,178686	7,0493	7,1012963	7,137339667	0,03604333	1,025298034	Pcnt
17514908	3,849817	3,785264	3,55426	3,857502	3,689542	3,750486	3,7297803	3,765843333	0,036063	1,025312011	Olfr829
17334782	5,002401	4,965571	5,231013	5,386961	4,928999	4,991217	5,0663283	5,102392333	0,036064	1,025312721	Fbxl16
17288442	5,794053	5,824494	5,677307	5,85992	5,861361	5,682769	5,7652847	5,80135	0,03606533	1,025313669	Irx2
17272591	4,724001	4,477108	4,574475	4,495334	4,775742	4,612709	4,5918613	4,627928333	0,036067	1,025314853	---
17484731	6,416274	6,456367	6,346695	6,468773	6,44325	6,415532	6,4064453	6,442518333	0,036073	1,025319117	Pkp3
17456569	4,273518	4,227102	4,423042	4,269247	4,382281	4,380384	4,3078873	4,343970667	0,03608333	1,025326461	Fam71f1
17526552	7,520509	7,767403	7,484264	7,802553	7,499494	7,578383	7,5907253	7,62681	0,03608467	1,025327409	Rnf214
17535018	8,103175	8,261353	8,157295	8,170691	8,218874	8,240564	8,173941	8,210043	0,036102	1,025339728	Htatsf1
17464960	3,872244	3,706241	3,832037	3,879222	3,817436	3,822195	3,8035073	3,839617667	0,03611033	1,02534565	---
17297700	4,694031	4,744102	4,963928	5,024466	4,716291	4,769636	4,800687	4,836797667	0,03611067	1,025345887	4931403M11Rik
17425496	7,542619	7,626372	7,518968	7,703548	7,569064	7,523714	7,562653	7,598775333	0,03612233	1,025354179	Tmem245 // Tmem245
17448788	8,556909	8,398124	8,064411	8,402394	7,420846	9,304591	8,3398147	8,375943667	0,036129	1,025358917	---
17466768	11,55167	11,69057	11,67356	11,70149	11,60594	11,71676	11,6386	11,67473	0,03613	1,025359628	Hnrnpa2b1
17476297	7,099933	7,370883	7,260433	7,210435	7,418281	7,210934	7,2437497	7,279883333	0,03613367	1,025362234	Polr2i
17517741	8,290056	8,390889	8,390917	8,302981	8,434456	8,442855	8,3572873	8,393430667	0,03614333	1,025369104	Scamp2
17313958	7,47321	7,509451	7,507926	7,593865	7,542172	7,462983	7,4968623	7,533006667	0,03614433	1,025369815	Tbc1d22a
17412708	3,604728	3,227233	3,173795	3,357796	3,5296	3,226817	3,335252	3,371404333	0,03615233	1,025375501	---
17253170	5,730198	5,997268	6,083017	5,758152	6,278293	5,882504	5,9368277	5,972983	0,03615533	1,025377633	Bhlha9
17390394	6,09785	6,092467	6,155582	6,273305	6,209918	5,97116	6,1152997	6,151461	0,03616133	1,025381898	Tgm5
17461848	3,664003	3,353428	4,160959	3,829248	3,863999	3,593649	3,72613	3,762298667	0,03616867	1,02538711	---
17400048	7,545866	7,530067	7,523217	7,578826	7,500133	7,628706	7,53305	7,569221667	0,03617167	1,025389242	Rorc
17360068	9,461075	9,289495	9,518686	9,552454	9,388265	9,437063	9,4230853	9,459260667	0,03617533	1,025391848	D19Wsu162e
17220882	4,691993	4,463916	5,037905	4,612851	4,906544	4,782955	4,7312713	4,76745	0,03617867	1,025394217	Kcnh1
17458616	4,706069	4,559221	4,823805	4,88788	4,584497	4,725262	4,696365	4,732546333	0,03618133	1,025396113	Hoxa11
17352108	7,564587	7,493584	7,479331	7,386198	7,708706	7,551156	7,5125007	7,548686667	0,036186	1,025399429	---
17352118	7,564587	7,493584	7,479331	7,386198	7,708706	7,551156	7,5125007	7,548686667	0,036186	1,025399429	---
17507693	4,057381	4,028197	4,153286	3,958744	4,07146	4,317303	4,0796213	4,115835667	0,03621433	1,025419568	C030037F17Rik
17479371	6,745593	7,013247	6,780016	6,893476	6,859764	6,894314	6,8462853	6,882518	0,03623267	1,025432598	Fanci
17477354	4,294906	3,934919	3,955028	3,718735	4,315016	4,259836	4,0616177	4,097862333	0,03624467	1,025441128	Klk1b16
17201351	4,27678	3,65636	4,134941	4,199732	4,097808	3,879338	4,0226937	4,058959333	0,03626567	1,025456054	---
17373110	7,536684	7,496797	7,307395	7,432083	7,478304	7,539288	7,4469587	7,483225	0,03626633	1,025456528	Kbtbd4
17532288	5,436821	5,486172	5,634356	5,574816	5,485283	5,606118	5,5191163	5,555405667	0,03628933	1,025472876	Ulk4
17490791	9,445446	9,650956	9,448122	9,550735	9,596335	9,506371	9,5148413	9,551147	0,03630567	1,025484486	Snrnp70
17280252	9,785921	9,310662	9,956432	9,686991	9,762667	9,712277	9,6843383	9,720645	0,03630667	1,025485197	---
17432135	8,39719	8,397765	8,308592	8,394079	8,471787	8,34661	8,367849	8,404158667	0,03630967	1,02548733	D4Ertd22e
17317054	4,765234	4,968038	5,020741	4,785854	5,198285	4,878846	4,9180043	4,954328333	0,036324	1,025497518	Gm5215 // Gm5215
17366804	7,038894	7,044644	6,882355	7,525869	6,657702	6,891354	6,988631	7,024975	0,036344	1,025511734	---
17366840	7,038894	7,044644	6,882355	7,525869	6,657702	6,891354	6,988631	7,024975	0,036344	1,025511734	---
17287879	4,848398	4,5581	5,038085	4,845672	4,952083	4,755915	4,814861	4,851223333	0,03636233	1,025524766	Kif27
17398139	4,560985	4,370968	4,543499	4,383929	4,822943	4,377674	4,4918173	4,528182	0,03636467	1,025526425	Mlf1
17482000	5,633668	5,583267	5,705676	5,88722	5,644455	5,500059	5,6408703	5,677244667	0,03637433	1,025533297	Spon1
17319050	6,699204	6,50459	6,318893	6,528521	6,532887	6,570426	6,5075623	6,543944667	0,03638233	1,025538983	Mfng
17360675	8,080099	8,094908	8,122637	8,127966	8,222133	8,056712	8,0992147	8,135603667	0,036389	1,025543722	Trub1
17268445	6,02831	5,936004	6,114622	6,026936	6,090247	6,070954	6,026312	6,062712333	0,03640033	1,025551779	Tbx21
17435249	7,783831	7,638986	7,712548	7,416744	8,040963	7,786912	7,7117883	7,748206333	0,036418	1,025564337	Mir3096b
17310452	9,229286	9,285845	9,308389	9,303885	9,378029	9,250887	9,2745067	9,310933667	0,036427	1,025570735	Golph3
17292117	5,856896	5,979885	6,290127	6,102625	6,135819	5,997751	6,0423027	6,078731667	0,036429	1,025572157	Gfod1
17535776	8,153852	8,107152	8,09077	8,141442	8,185267	8,134357	8,117258	8,153688667	0,03643067	1,025573342	Taz
17308435	6,747555	6,898286	7,045852	7,067915	6,844725	6,888371	6,897231	6,933670333	0,03643933	1,025579503	Fgf17
17318895	5,763641	5,528516	5,450016	5,459327	5,674453	5,717732	5,5807243	5,617170667	0,03644633	1,025584479	Foxred2
17204945	3,952049	4,218757	3,6356	4,031631	4,156378	3,727741	3,9354687	3,971916667	0,036448	1,025585663	---
17227157	5,206576	5,10695	5,485202	5,323569	5,286589	5,297919	5,2662427	5,302692333	0,03644967	1,025586848	---
17461494	5,082272	5,029298	5,09549	5,164467	5,043061	5,108882	5,06902	5,10547	0,03645	1,025587085	---
17394259	5,856225	5,953363	5,974602	5,926328	5,965408	6,001808	5,9280633	5,964514667	0,03645133	1,025588033	---
17315031	3,264509	3,494044	3,679123	3,744652	3,420096	3,382298	3,4792253	3,515682	0,03645667	1,025591824	---
17367095	4,167254	3,994422	4,34845	4,285728	4,168237	4,165556	4,170042	4,206507	0,036465	1,025597749	Tmem236
17294163	3,496893	3,310802	3,419552	3,434974	3,355041	3,546636	3,4090823	3,445550333	0,036468	1,025599881	---
17420838	6,801188	6,641918	6,892895	6,915987	6,811061	6,718359	6,778667	6,815135667	0,03646867	1,025600355	---
17296112	5,944583	5,865901	5,778828	5,746395	5,774605	6,177749	5,863104	5,899583	0,036479	1,025607701	---
17312089	8,038347	8,189854	8,045514	8,190322	8,079453	8,11338	8,0912383	8,127718333	0,03648	1,025608412	Chrac1
17249524	6,939156	6,816473	6,9175	7,05683	6,855634	6,870154	6,891043	6,927539333	0,03649633	1,025620023	Shroom1
17271968	7,037471	7,09049	7,089475	7,044416	7,170071	7,112446	7,0724787	7,108977667	0,036499	1,025621919	Mif4gd
17355619	7,130785	7,172125	7,013616	6,812887	7,40202	7,211146	7,1055087	7,142017667	0,036509	1,025629028	Adnp2
17501586	2,912503	2,811013	3,080741	2,820422	3,022881	3,070485	2,9347523	2,971262667	0,03651033	1,025629976	---
17516438	5,795173	5,470771	5,84655	5,940771	5,678097	5,603167	5,7041647	5,740678333	0,03651367	1,025632346	Trim29
17484094	9,542727	9,523445	9,491331	9,554093	9,613687	9,499265	9,5191677	9,555681667	0,036514	1,025632583	Zranb1
17474708	3,7204	3,779018	3,826024	3,646203	3,859208	3,929574	3,7751473	3,811661667	0,03651433	1,02563282	Nlrp9b
17310187	10,51599	10,37594	10,50747	10,48606	10,51387	10,50908	10,466467	10,50300333	0,03653667	1,025648697	Nadkd1
17438101	10,59719	10,60414	10,43223	10,48929	10,61031	10,64357	10,54452	10,58105667	0,03653667	1,025648697	Ociad1
17292346	8,016261	7,97615	8,0022	7,982187	8,052939	8,069127	7,9982037	8,034751	0,03654733	1,02565628	Phf2
17520851	11,47067	11,47255	11,53444	11,49013	11,50846	11,58876	11,492553	11,52911667	0,03656333	1,025667655	Anapc13
17275981	5,351522	5,16782	5,278324	5,262682	5,615179	5,029519	5,2658887	5,30246	0,03657133	1,025673343	Gm9997
17455314	11,36777	11,2072	11,21917	11,25218	11,33669	11,31507	11,264713	11,30131333	0,0366	1,025693723	Prhoxnb
17205383	4,367674	3,636522	4,126072	4,165425	3,799068	4,275667	4,0434227	4,080553333	0,03663067	1,025715526	---
17537414	5,418411	5,90829	5,728432	5,695679	5,863593	5,605756	5,6850443	5,721676	0,03663167	1,025716237	Gm17361
17537428	5,418411	5,90829	5,728432	5,695679	5,863593	5,605756	5,6850443	5,721676	0,03663167	1,025716237	Gm17361
17537493	5,418411	5,90829	5,728432	5,695679	5,863593	5,605756	5,6850443	5,721676	0,03663167	1,025716237	Gm17361
17324820	4,104084	4,439518	4,311902	4,358834	4,415017	4,191558	4,285168	4,321803	0,036635	1,025718607	Zdhhc19
17312736	3,310258	3,267366	2,994357	3,306251	3,347579	3,028115	3,1906603	3,227315	0,03665467	1,02573259	---
17430339	6,547605	6,5542	6,66566	6,513415	6,728271	6,635837	6,589155	6,625841	0,036686	1,025754867	C77080
17401394	6,299074	5,961396	5,74881	6,313253	5,86461	5,941487	6,0030933	6,039783333	0,03669	1,025757711	Kcnd3
17253616	7,792292	7,796135	7,953025	7,898515	7,935142	7,817873	7,8471507	7,883843333	0,03669267	1,025759607	Pigs
17203039	6,986998	7,058067	7,324742	6,921791	7,611037	6,947074	7,123269	7,159967333	0,03669833	1,025763636	---
17354508	4,120177	4,286667	4,32088	4,395017	4,318485	4,124355	4,2425747	4,279285667	0,036711	1,025772642	Gm19519
17358929	10,08242	10,08729	10,06129	10,09973	10,18621	10,05523	10,077	10,11372333	0,03672333	1,025781412	Tnks2
17396553	7,577167	7,605302	7,49649	7,525417	7,578248	7,685488	7,559653	7,596384333	0,03673133	1,0257871	Mynn
17537768	3,969472	3,776255	3,54961	3,960448	3,800103	3,644991	3,7651123	3,801847333	0,036735	1,025789707	---
17229698	7,697134	7,883879	7,73977	7,719128	7,93349	7,778394	7,7735943	7,810337333	0,036743	1,025795395	Usp21
17466033	9,576662	9,558128	9,525799	9,565132	9,530481	9,675214	9,5535297	9,590275667	0,036746	1,025797528	Hipk2
17277017	4,734146	4,969655	5,080698	5,032322	4,883269	4,979172	4,9281663	4,964921	0,03675467	1,02580369	Rgs6
17399451	5,879148	5,925028	5,96954	6,031427	5,934911	5,91773	5,924572	5,961356	0,036784	1,025824548	Pygo2
17237732	4,017365	3,968689	4,105469	4,185102	4,03297	3,98384	4,0305077	4,067304	0,03679633	1,025833317	D930020B18Rik
17294402	3,57203	4,290497	4,038888	4,047203	4,037207	3,927407	3,9671383	4,003939	0,03680067	1,025836398	Zfp72
17459108	4,525999	4,445229	4,595311	4,567051	4,534513	4,575422	4,5221797	4,558995333	0,03681567	1,025847064	Fam190a
17441595	7,536394	7,186159	7,451254	7,503777	7,329524	7,450962	7,391269	7,428087667	0,03681867	1,025849198	Tbx3

17549552	5,548523	5,728744	5,873312	5,755423	5,649566	5,856058	5,7168597	5,753682333	0,03682267	1,025852042	---
17549706	5,548523	5,728744	5,873312	5,755423	5,649566	5,856058	5,7168597	5,753682333	0,03682267	1,025852042	---
17427075	4,171789	4,638151	4,449547	4,320434	4,512884	4,536676	4,419829	4,456664667	0,03683567	1,025861286	Ifna9
17346964	5,996367	6,103864	5,906265	5,844573	6,267233	6,005224	6,0021653	6,03901	0,03684467	1,025867685	Myl12a
17315500	5,372115	5,276466	5,515676	5,572234	5,482961	5,219658	5,3880857	5,424951	0,03686533	1,025882381	Hoxc10
17408371	5,045722	5,199864	5,088529	5,138296	5,152658	5,153807	5,1113717	5,148253667	0,036882	1,025894233	5730437C11Rik
17309385	5,607043	5,408744	5,706593	5,378832	5,599227	5,854976	5,5741267	5,611011667	0,036885	1,025896366	Dct
17467831	6,585874	6,727889	6,766435	6,68725	6,867641	6,636016	6,6933993	6,730302333	0,036903	1,025909166	Tmsb10
17232187	3,294457	3,107732	3,219295	3,583649	3,014946	3,133624	3,2071613	3,244073	0,03691167	1,025915329	Taar7b
17245488	9,090819	9,159113	8,926346	9,130834	9,115513	9,040683	9,0587593	9,095676667	0,03691733	1,025919358	Tbk1
17273073	6,343901	6,376392	6,664614	6,513415	6,257461	6,72482	6,4616357	6,498565333	0,03692967	1,025928129	2310003H01Rik
17493450	4,558948	4,499749	4,411366	4,334697	4,946494	4,299664	4,490021	4,526951667	0,03693067	1,02592884	---
17284626	6,632465	5,625506	6,04194	6,170218	6,250432	5,990054	6,0999703	6,136901333	0,036931	1,025929077	---
17479602	4,116953	4,307759	4,189997	4,021794	4,393142	4,310596	4,204903	4,241844	0,036941	1,025936188	Gm15880
17500108	5,961074	6,096362	6,117551	6,27076	5,926506	6,088578	6,058329	6,095281333	0,03695233	1,025944248	Fgfr1
17514603	9,798003	9,752044	9,530617	9,582183	9,782672	9,826687	9,6935547	9,730514	0,03695933	1,025949225	Tmem123
17409493	6,969146	6,804511	6,858679	6,88809	6,93776	6,917387	6,8774453	6,914412333	0,036967	1,025954678	Prmt6
17416764	4,157041	4,179773	4,373957	4,281079	4,44004	4,1006	4,2369237	4,273906333	0,03698267	1,025965819	Rab3b
17298899	3,241177	2,889172	3,153102	3,246689	3,01518	3,132541	3,0944837	3,13147	0,03698633	1,025968426	4930474N05Rik
17221191	12,2133	12,2928	12,43567	12,44312	12,42589	12,18375	12,313923	12,35092	0,03699667	1,025975775	Snord87
17359493	5,729162	5,808197	5,95055	5,74579	6,00279	5,850333	5,829303	5,866304333	0,03700133	1,025979094	Ankrd2
17250876	7,494512	7,579295	7,62742	7,434019	7,653235	7,725005	7,5670757	7,604086333	0,03701067	1,025985731	Elac2
17423802	7,189204	6,906579	7,123266	7,329043	7,262648	6,73841	7,0730163	7,110033667	0,03701733	1,025990472	---
17347928	5,303261	5,227117	5,218044	5,38162	5,222487	5,255387	5,249474	5,286498	0,037024	1,025995213	1700011E24Rik
17302102	5,082814	4,884288	4,769379	4,836488	5,064971	4,946109	4,9121603	4,949189333	0,037029	1,025998769	Ccdc122
17360424	5,225806	5,185704	5,229936	5,228197	5,290781	5,233603	5,2138153	5,250860333	0,037045	1,026010148	---
17266967	5,552614	5,385636	5,213554	5,494703	5,300136	5,468194	5,3839347	5,421011	0,03707633	1,026032432	Ccl3
17471518	4,082896	4,008759	4,339558	4,194397	4,249302	4,098779	4,1437377	4,180826	0,03708833	1,026040966	Clec12b
17385024	3,803655	4,032362	4,194489	4,049773	3,971035	4,12097	4,0101687	4,047259333	0,03709067	1,026042625	---
17322312	4,537887	4,440432	4,443061	4,678391	4,326469	4,527795	4,4737933	4,510885	0,03709167	1,026043337	D930007P13Rik
17412848	3,249228	3,22822	3,104523	3,147675	3,716639	2,828976	3,1939903	3,231096667	0,03710633	1,026053767	---
17392056	5,412899	5,531954	5,428821	5,379361	5,486656	5,61898	5,4578913	5,494999	0,03710767	1,026054716	Fermt1
17221232	7,617321	7,741614	7,310053	7,577593	7,747221	7,455506	7,5563293	7,59344	0,03711067	1,026056849	---
17550683	5,937112	6,025504	5,893816	6,175778	5,969277	5,822727	5,952144	5,989260667	0,03711667	1,026061117	---
17550875	3,220304	3,285066	3,418807	3,36006	3,375045	3,300475	3,308059	3,345193333	0,03713433	1,026073681	---
17209931	7,718741	7,162294	7,851796	7,821079	7,487905	7,535285	7,5776103	7,614756333	0,037146	1,026081979	---
17297387	3,042776	3,153166	3,324179	3,203001	3,354609	3,073981	3,1733737	3,210530333	0,03715667	1,026089565	---
17296082	8,945508	9,145489	8,842407	8,988747	8,965476	9,090683	8,9778013	9,014968667	0,03716733	1,026097152	Apoo // Apoo
17370478	5,629701	5,306641	5,771356	5,47888	5,628786	5,711535	5,5692327	5,606400333	0,03716767	1,026097389	---
17403451	7,88685	7,948935	7,909495	7,902213	7,926852	8,027728	7,9150933	7,952264333	0,037171	1,02609976	Bcl10
17287928	8,608103	8,791889	8,775408	8,789942	8,74154	8,755465	8,7251333	8,762315667	0,03718233	1,026107821	Naa35
17243020	8,187255	7,692488	7,210968	8,060814	7,388144	7,753374	7,6969037	7,734110667	0,037207	1,026125365	---
17266681	6,107547	6,252097	6,186295	6,199795	6,263229	6,194567	6,1819797	6,219197	0,03721733	1,026132714	---
17408384	8,31769	8,446978	8,538076	8,507318	8,531044	8,37604	8,434248	8,471467333	0,03721933	1,026134137	Wdr3
17256429	5,469693	5,379253	5,383722	5,497274	5,486515	5,360585	5,4108893	5,448124667	0,03723533	1,026145517	---
17550681	13,49553	13,49544	13,39616	13,505	13,53543	13,4585	13,462377	13,49964333	0,03726667	1,026167804	---
17458141	6,70671	6,469493	6,594001	6,774118	6,556452	6,551455	6,590068	6,627341667	0,03727367	1,026172783	Zfp783
17387654	3,617936	3,535062	3,560831	3,55998	3,476638	3,789035	3,5712763	3,608551	0,03727467	1,026173494	Olfr1048
17209975	4,932381	5,638568	5,266399	5,478039	5,117354	5,353786	5,279116	5,316393	0,037277	1,026175154	---
17491755	5,115634	4,872902	5,083409	5,038	4,974032	5,171785	5,0239817	5,061272333	0,03729067	1,026184875	Mkrn3
17342544	6,336191	6,340503	6,675425	6,703517	6,411652	6,348827	6,4507063	6,487998667	0,03729233	1,02618606	Solh
17415016	8,679047	8,920107	8,615336	8,866804	8,708041	8,751523	8,7381633	8,775456	0,03729267	1,026186297	Snapc3
17359449	6,808987	6,808467	6,631906	6,771009	6,853422	6,73686	6,7497867	6,787097	0,03731033	1,026198864	---
17319993	5,414257	5,406438	5,804942	5,638789	5,512428	5,586369	5,541879	5,579195333	0,03731633	1,026203132	Gm20556
17360355	10,37133	10,45718	10,34936	10,43467	10,40291	10,45226	10,392623	10,42994667	0,03732333	1,026208111	Smc3
17446567	5,288762	5,208135	5,345283	5,225749	5,325217	5,403189	5,2807267	5,318051667	0,037325	1,026209296	Cnpy1
17386424	3,134597	3,298404	3,219151	3,401005	3,149613	3,213524	3,217384	3,254714	0,03733	1,026212853	---
17533640	8,62001	8,472301	8,591862	8,625214	8,490747	8,680223	8,561391	8,598728	0,037337	1,026217832	Cdk16
17444802	7,200196	7,587929	7,595077	7,393301	7,607227	7,494707	7,4610673	7,498411667	0,03734433	1,026223049	LOC100505283 // Gm15682 // Gm10045
17290033	8,637804	8,591124	8,399576	8,617085	8,672391	8,451112	8,5428347	8,580196	0,03736133	1,026235141	Arl15
17429292	4,997195	4,5626	4,615285	4,630338	4,81673	4,840111	4,7250267	4,762393	0,03736633	1,026238698	---
17543479	8,454464	8,538687	8,550488	8,610334	8,518567	8,526838	8,5145463	8,551913	0,03736667	1,026238935	Pdzd11
17388728	4,609262	4,486378	4,601803	4,589355	4,645609	4,574584	4,5658143	4,603182667	0,03736833	1,02624012	---
17286052	6,565117	6,700013	6,569944	6,693218	6,57154	6,682446	6,6116913	6,649068	0,03737667	1,026246048	9330162012Rik
17345238	3,888653	4,046957	4,153118	3,992903	4,062255	4,145708	4,029576	4,066955333	0,03737933	1,026247945	Capn11
17313619	6,582453	6,31967	6,212378	6,394369	6,647055	6,185272	6,3715003	6,408898667	0,03739833	1,026261461	Serhl
17213499	3,35618	3,381023	3,453707	3,355882	3,567185	3,380082	3,39697	3,434383	0,037413	1,026271894	---
17274097	5,502857	5,405222	5,601749	5,56662	5,589216	5,46625	5,503276	5,540695333	0,03741933	1,026276399	---
17413511	8,947184	8,940743	8,936487	8,963696	8,987803	8,985181	8,9414713	8,978893333	0,037422	1,026278296	Clta
17417673	4,688883	4,614176	4,647787	4,860754	4,653166	4,549223	4,650282	4,687714333	0,03743233	1,026285647	---
17349034	6,083582	6,181912	6,135158	6,237798	6,05126	6,223897	6,1335507	6,170985	0,03743433	1,02628707	Fhod3
17237685	6,69335	6,311254	6,820722	6,788232	6,387689	6,761765	6,608442	6,645895333	0,03745333	1,026300586	---
17503533	5,454383	5,326243	5,770517	5,554554	5,878396	5,230556	5,5170477	5,554502	0,03745433	1,026301297	Gm19872
17224608	4,912357	4,955724	4,95297	4,977652	5,122143	4,833633	4,9403503	4,977809333	0,037459	1,026304617	Gm15179
17512529	6,787635	6,896304	7,106676	7,060385	6,917847	6,924817	6,930205	6,967683	0,037478	1,026318133	Cenpt
17513779	7,314289	7,460398	7,383563	7,343055	7,541911	7,385718	7,3860833	7,423561333	0,037478	1,026318133	Galns
17379582	7,413175	7,509083	7,440707	7,552135	7,531837	7,391457	7,4543217	7,491809667	0,037488	1,026325247	Pcif1
17513625	6,799512	6,913937	7,04865	7,002987	6,918146	6,953444	6,9206997	6,958192333	0,03749267	1,026328567	Klhdc4
17350853	4,520684	4,582181	4,475418	4,740094	4,398853	4,551838	4,5260943	4,563595	0,03750067	1,026334258	---
17453698	6,47345	6,892679	7,113836	6,81075	6,979025	6,802733	6,826655	6,864169333	0,03751433	1,026343981	Orai2
17371254	4,98326	4,914397	5,160779	5,034698	5,100345	5,035955	5,0194787	5,056999333	0,03752067	1,026348486	Csrnp3
17541316	3,15801	3,041603	3,202538	3,190052	3,094266	3,230443	3,1340503	3,171587	0,03753667	1,026359869	---
17376728	6,997759	7,082193	6,851208	7,032608	6,97958	7,031613	6,9770533	7,014600333	0,037547	1,02636722	Plcb4
17363927	7,300564	7,304941	7,014813	7,228273	7,250432	7,254266	7,2067727	7,244323667	0,037551	1,026370066	Asah2
17305180	3,116025	3,128344	3,153102	3,313848	3,256797	2,939525	3,1324903	3,170056667	0,03756633	1,026380975	---
17366756	5,009197	4,846246	4,938731	5,195897	4,51325	5,197738	4,9313913	4,968961667	0,03757033	1,02638382	Mir669g
17528430	7,921739	8,142838	7,987365	8,087995	7,990499	8,086186	8,017314	8,054893333	0,03757933	1,026390223	Tpm1
17259344	7,871617	8,016604	7,908417	8,095845	7,760045	8,053488	7,9322127	7,969792667	0,03758	1,026390697	Hgs
17250924	5,043207	5,121563	5,249382	5,189279	5,288532	5,049085	5,1380507	5,175632	0,03758133	1,026391646	Pirt
17287288	6,53254	6,74745	6,683503	6,782567	6,577122	6,71655	6,6544977	6,692079667	0,037582	1,02639212	Gm906
17365456	12,03555	11,98259	12,04722	11,91752	12,14631	12,11429	12,021787	12,05937333	0,03758667	1,02639544	Usmg5
17290007	3,439123	3,475246	3,532086	3,525076	3,390424	3,643766	3,4821517	3,519755333	0,03760367	1,026407535	---
17268691	6,121768	5,738852	6,362483	6,146438	6,101227	6,088267	6,0743677	6,111977333	0,03760967	1,026411804	Cacnb1
17428854	8,872998	9,434326	9,167054	9,319909	9,055793	9,211535	9,158126	9,195745667	0,03761967	1,026418918	---
17474669	8,201358	8,053526	8,429649	8,273791	8,437846	8,085761	8,2281777	8,265799333	0,03762167	1,026420341	---
17210459	4,221731	3,818573	3,545128	3,910983	3,894651	3,892664	3,8618107	3,899432667	0,037622	1,026420578	---
17475360	5,321222	5,139858	5,369118	5,508388	5,130868	5,30385	5,2767327	5,314368667	0,037636	1,026430539	Cyp2b10
17264042	5,27647	5,210148	5,532589	5,505749	5,222941	5,403432	5,3397357	5,377374	0,03763833	1,026432199	Trpv2 // Trpv2
17288699	9,605219	9,642287	9,652212	9,625575	9,701689	9,685383	9,6332393	9,670882333	0,037643	1,026435519	Ell2
17487104	4,888313	5,346108	5,219395	5,245364	5,086445	5,234994	5,151272	5,188934333	0,03766233	1,026449274	Psg19
17213674	6,255205	6,539497	6,358984	6,486227	6,452328	6,328148	6,384562	6,422234333	0,03767233	1,026456389	---
17488806	8,673385	8,893938	8,614226	8,80415	8,741551	8,748911	8,727183	8,764870667	0,03768767	1,026467299	Spint2
17233437	9,232196	9,186557	9,150646	9,183279	9,365446	9,133769	9,1897997	9,227498	0,03769833	1,026474888	Lims1
17509689	2,91752	2,817901	3,053767	2,944749	2,985871	2,971699	2,9297293	2,967439667	0,03771033	1,026483426	---
17235843	5,962218	5,938025	5,905539	5,949622	6,043621	5,925681	5,9352607	5,972974667	0,037714	1,026486035	AU041133 // AU041133
17200999	7,107986	7,42039	6,879457	6,866913	7,293643	7,360478	7,1359443	7,173678	0,03773367	1,026500028	---
17414672	7,020115	7,061368	7,048083	7,024953	7,060683	7,157216	7,0431887	7,080950667	0,037762	1,026520188	Col27a1
17427936	4,234959	4,362113	4,324559	4,301191	4,3951	4,338675	4,3072103	4,344988667	0,03777833	1,026531809	Yipf1 // Yipf1
17452897	7,28949	7,167425	7,249221	7,326306	7,226728	7,266453	7,2353787	7,273162333	0,03778367	1,026535604	Ncor2
17409376	9,043131	8,909737	9,187857	9,053681	9,242074	8,958329	9,0469083	9,084694667	0,03778633	1,026537502	Scarna2
17241483	10,18616	10,26619	10,30291	10,32746	10,23978	10,30144	10,251753	10,28956	0,03780667	1,02655197	Ccar1
17448251	6,26493	6,077995	5,932182	6,078012	6,146018	6,164522	6,0917023	6,129517333	0,037815	1,026557899	Tlr6
17366792	7,038894	7,040729	6,87844	7,514915	6,663952	6,892645	6,986021	7,023837333	0,03781633	1,026558848	---
17328132	7,266119	7,465162	7,337067	7,367813	7,380455	7,433609	7,356116	7,393959	0,037843	1,026577823	Txndc11
17231891	7,770113	7,717735	7,676015	7,852291	7,678633	7,74649	7,7212877	7,759138	0,03785033	1,026583041	Map3k5
17549108	6,744676	6,700188	6,965736	6,783122	7,072344	6,668703	6,8035333	6,841389667	0,03785633	1,026587311	---
17537394	4,006522	3,910711	3,986873	3,88273	4,079084	4,055878	3,9680353	4,005897333	0,037862	1,026591343	---
17405899	3,335672	3,421274	3,302552	3,397832	3,57078	3,204513	3,353166	3,391041667	0,03787567	1,026601068	4930509J09Rik // 4930509J09Rik
17514515	4,513792	4,108139	4,288496	4,184221	4,431583	4,408281	4,3034757	4,341361667	0,037886	1,026608421	Mmp3
17525004	4,058447	3,921339	4,244415	4,112511	4,244878	3,980476	4,0747337	4,112621667	0,037888	1,026609844	---
17205647	5,925087	5,911526	6,260258	6,054153	5,935469	6,220951	6,0322903	6,070191	0,03790067	1,026618858	---
17326241	5,892147	6,027122	6,197173	6,100245	6,091736	6,038198	6,038814	6,076726333	0,03791233	1,02662716	Rpl24
17210491	3,273483	2,911731	3,37723	3,383185	3,265621	3,02739	3,1874813	3,225398667	0,03791733	1,026630718	---
17213246	4,75591	4,976303	5,06973	4,854743	5,089224	4,971766	4,933981	4,971911	0,03793	1,026639732	Cdk15
17471891	3,246439	3,15189	3,27116	3,252527	3,229337	3,301418	3,223163	3,261094	0,037931	1,026640443	Tas2r104
17495242	3,778425	3,742936	3,757703	3,753588	3,806828	3,832517	3,759688	3,797644333	0,03795633	1,026658471	Pth
17202041	4,359247	4,556859	4,988994	4,4388	5,083125	4,497081	4,6350333	4,673002	0,03796867	1,026667248	---
17485354	3,307234	3,325651	3,564035	3,362812	3,519997	3,428047	3,3989733	3,436952	0,03797867	1,026674364	---
17331230	3,430174	3,099889	2,968018	3,153102	3,336359	3,122575	3,166027	3,204012	0,037985	1,026678871	Olfr178
17450448	7,572303	8,249412	6,971793	7,687592	7,847314	7,372594	7,597836	7,635833333	0,03799733	1,026687648	Gbp9
17494701	3,21294	3,122221	3,231711	3,325402	3,254623	3,100878	3,1889573	3,226967667	0,03801033	1,026696899	Olfr702
17429026	8,674427	8,604122	8,718321	8,829649	8,769474	8,511838	8,6656233	8,703653667	0,03803033	1,026711133	Kdm4a
17328654	8,388088	8,403833	8,388049	8,395548	8,563953	8,334604	8,3933233	8,431368333	0,038045	1,02672157	Pi4ka
17310172	4,87608	4,871398	4,9029	4,964422	4,897192	4,9029	4,8834593	4,921504667	0,03804533	1,026721808	Ranbp3l

17425147	5,402997	5,142961	5,438331	5,310339	5,502503	5,285648	5,3280963	5,366163333	0,038067	1,026737227	---
17493739	8,375549	8,573964	8,230083	8,334272	8,446797	8,51273	8,3931987	8,431266333	0,03806767	1,026737702	Pold3
17235941	7,482696	7,527799	7,667948	7,806701	7,458161	7,527799	7,559481	7,597553667	0,03807267	1,02674126	Chst11
17446354	8,24773	8,33362	8,242216	8,363646	8,201639	8,372542	8,274522	8,312609	0,038087	1,026751461	Mll3
17469013	5,718916	5,995393	5,715037	5,798509	5,808108	5,937032	5,809782	5,847883	0,038101	1,026761425	Hdac11
17337513	5,75568	5,602403	5,732915	5,924583	5,879234	5,401527	5,6969993	5,735114667	0,03811533	1,026771626	Gabbr1
17430227	4,680923	4,463702	4,764335	4,616465	4,952219	4,454677	4,63632	4,674453667	0,03813367	1,026784674	Gjb5
17278489	3,72379	3,389207	3,438932	3,572184	3,602474	3,491706	3,5173097	3,555454667	0,038145	1,02679274	---
17529356	7,773146	8,068329	8,292424	8,00963	8,098362	8,140348	8,044633	8,08278	0,038147	1,026794163	---
17296802	3,826113	3,848408	3,780871	3,583557	4,314788	3,671514	3,818464	3,856619667	0,03815567	1,026800331	Gm3173
17477914	4,967345	5,098846	5,273458	5,279821	5,165731	5,008591	5,1132163	5,151381	0,03816467	1,026806737	Fut1
17366810	3,831395	3,858936	3,299634	4,125979	3,363142	3,615366	3,6633217	3,701495667	0,038174	1,02681338	Mir669a-1 // Mir669a-1
17366846	3,831395	3,858936	3,299634	4,125979	3,363142	3,615366	3,6633217	3,701495667	0,038174	1,02681338	Mir669a-1 // Mir669a-1
17442701	6,644854	6,360892	6,702413	6,654041	6,609211	6,559497	6,5693863	6,607583	0,03819667	1,026829512	Fam101a
17273542	5,892622	5,974314	6,020276	6,183784	5,868921	5,949104	5,962404	6,000603	0,038199	1,026831173	B3gntl1
17339221	6,923248	6,354653	6,557133	6,721022	6,785787	6,442826	6,611678	6,649878333	0,03820033	1,026832122	---
17260487	7,24321	7,218672	7,229408	7,298303	7,28613	7,22148	7,23043	7,268637667	0,03820767	1,026837342	Tns3
17268633	7,279104	7,354359	7,526344	7,350838	7,44438	7,47923	7,3866023	7,424816	0,03821367	1,026841612	Rpl23
17247867	3,660106	3,918841	3,838423	3,953566	3,8065	3,77195	3,80579	3,844005333	0,03821533	1,026842798	---
17254520	2,910724	3,225299	2,982175	3,018262	3,183939	3,030649	3,0393993	3,077616667	0,03821733	1,026844222	---
17509867	6,85694	7,138806	7,01791	7,110087	6,88898	7,129309	7,004552	7,042792	0,03824	1,026860355	Zfp866
17550701	3,460609	3,417109	3,569763	3,54214	3,583403	3,436664	3,4824937	3,520735667	0,038242	1,026861779	---
17504998	6,538092	6,477998	6,359725	6,60166	6,411458	6,477431	6,458605	6,496849667	0,03824467	1,026863677	Nrn1l
17249252	4,314691	4,036875	4,021342	4,147537	4,312464	4,027671	4,1243027	4,162557333	0,03825467	1,026870794	Olfr1377
17414512	3,104599	2,986938	2,95053	3,117484	2,917174	3,12221	3,0140223	3,052289333	0,038267	1,026879573	---
17349713	9,011491	8,922132	8,696502	8,838454	8,891607	9,014875	8,8767083	8,914978667	0,03827033	1,026881946	Ankhd1
17548053	5,197204	5,066978	5,141801	5,191339	5,32928	5,000191	5,1353277	5,173603333	0,03827567	1,026885742	Gm19939
17204029	4,622789	4,048829	5,114949	4,589683	4,603588	4,708182	4,5955223	4,633817667	0,03829533	1,02689974	---
17208693	6,719404	6,921579	7,06846	7,057318	7,010674	6,756339	6,9031477	6,941443667	0,038296	1,026900215	---
17536720	6,426146	6,087295	6,387315	6,474571	6,015973	6,525106	6,300252	6,33855	0,038298	1,026901638	Nlgn3
17391485	6,059676	6,193632	6,895082	6,816196	6,077539	6,369625	6,3827967	6,42112	0,03832333	1,026919671	---
17339864	8,224098	8,423099	8,108639	8,321255	8,333873	8,215755	8,2519453	8,290294333	0,038349	1,026937941	2410091C18Rik
17229729	9,465706	9,711208	9,703819	9,611321	9,776261	9,608209	9,626911	9,665263667	0,03835267	1,026940551	Nit1
17308465	10,93935	10,94363	10,91558	10,51982	11,13583	11,25797	10,932853	10,97120667	0,03835333	1,026941025	---
17377703	6,284815	6,348782	6,041597	6,296803	6,12183	6,371624	6,2250647	6,263419	0,03835433	1,026941737	Gm14164
17366687	4,78014	4,717132	4,857604	4,721513	4,997953	4,750489	4,7849587	4,823318333	0,03835967	1,026945533	Sfmbt2
17344907	2,810089	3,129367	2,920044	3,019887	3,121178	2,83363	2,9531667	2,991565	0,03839833	1,026973058	Olfr117
17389640	4,247319	4,193261	4,559796	4,420777	4,255983	4,438859	4,3334587	4,371873	0,03841433	1,026984447	---
17306867	11,4262	11,39085	11,18136	11,36473	11,38088	11,3681	11,332803	11,37123667	0,03843333	1,026997972	2610027L16Rik // 2610027L16Rik
17538056	3,760526	3,578864	3,902848	3,801718	3,8794	3,676486	3,7474127	3,785868	0,03845533	1,027013633	---
17218013	6,844852	6,89301	6,778035	6,791772	6,971944	6,867565	6,8386323	6,877093667	0,03846133	1,027017905	Glrx2
17283516	5,862205	5,586427	5,808348	5,664649	5,781342	5,926373	5,7523267	5,790788	0,03846133	1,027017905	Asb2
17494292	4,844769	5,029422	5,493569	5,214037	5,164271	5,10486	5,1225867	5,161056	0,03846933	1,0270236	4931431F19Rik
17285759	2,814213	2,893926	2,915632	2,939525	2,952037	2,847692	2,8745903	2,913084667	0,03849433	1,027041397	Vmn1r197
17525405	4,573547	4,561872	4,540392	4,617162	4,679718	4,494434	4,5586037	4,597104667	0,038501	1,027046143	Ddx25
17234579	4,582142	4,872446	4,572516	4,695616	4,872744	4,574264	4,6757013	4,714208	0,03850667	1,027050177	1700027D21Rik
17371716	9,09263	9,147305	8,99176	9,11392	9,060411	9,172899	9,0772317	9,115743333	0,03851167	1,027053736	Dync1i2
17266289	3,551708	3,659701	3,50684	3,669826	3,741986	3,422005	3,5727497	3,611272333	0,03852267	1,027061567	Cryba1
17502001	8,520583	8,253369	8,403217	8,301875	8,473007	8,517866	8,3923897	8,430916	0,03852633	1,027064178	Jund
17401433	8,623793	8,673745	8,727196	8,773008	8,694958	8,67236	8,6749113	8,713442	0,03853067	1,027067263	Wdr77
17498160	4,618545	4,710996	4,675055	4,757678	4,926259	4,436259	4,6681987	4,706732	0,03853333	1,027069161	Ins2
17256345	7,046926	7,197538	7,158669	7,34214	7,249507	6,927094	7,1343777	7,172913667	0,038536	1,027071059	Eif1
17544453	8,374758	8,227634	8,211938	8,236401	8,272606	8,420951	8,2714433	8,309986	0,03854267	1,027075805	Trmt2b
17468819	4,100191	3,765442	3,80245	3,983597	3,932086	3,868071	3,889361	3,927918	0,038557	1,02708601	Gm839
17414760	9,044564	9,076393	8,98592	8,924729	9,176621	9,121211	9,0356257	9,074187	0,03856133	1,027089095	Atp6v1g1
17364098	9,094234	9,567374	9,902506	9,433593	9,507739	9,738514	9,5213713	9,559948667	0,03857733	1,027100485	Acta2
17384453	10,8358	10,91121	10,83757	10,90195	10,93869	10,8597	10,861527	10,90011333	0,03858667	1,02710713	---
17295278	9,159647	9,126065	8,857683	8,909348	9,089135	9,260695	9,0477983	9,086392667	0,03859433	1,027112588	Hexb
17361654	5,331335	5,363952	5,17549	5,49546	5,125551	5,365553	5,290259	5,328854667	0,03859567	1,027113538	1700020D05Rik
17329776	7,756985	7,853965	7,535445	7,669462	7,801241	7,791513	7,715465	7,754072	0,038607	1,027121606	Senp5
17323138	6,635542	6,929091	6,708493	6,619606	6,901225	6,868125	6,7577087	6,796318667	0,03861	1,027123742	Abcc1
17500761	8,974163	8,990576	8,919795	9,065145	9,002769	8,932473	8,9615113	9,000129	0,03861767	1,0271292	Pcm1
17400403	8,911795	8,812527	8,93821	8,831535	8,955203	8,991667	8,8875107	8,926135	0,03862433	1,027133947	Golph3l
17477282	3,527259	3,8682	3,862645	3,539144	3,910097	3,92479	3,7527013	3,791343667	0,03864233	1,027146762	Klk15
17226297	7,074556	6,986346	6,907763	7,096837	7,174694	6,813086	6,989555	7,028205667	0,03865067	1,027152695	Tmem37
17446269	6,719327	6,381493	6,713215	6,573894	6,859062	6,497039	6,6046783	6,643331667	0,03865333	1,027154594	Chpf2 // Chpf2
17487681	6,203448	6,071423	5,962889	6,212232	6,031874	6,109625	6,0792533	6,117910333	0,038657	1,027157204	Zfp109
17464367	8,475337	8,593036	8,412204	8,398064	8,717599	8,480901	8,4935257	8,532188	0,03866233	1,027161001	Ppfibp1
17288990	6,568462	7,174667	6,871545	6,838811	6,924152	6,967725	6,871558	6,910229333	0,03867133	1,027167409	Gm8526
17309304	7,494277	7,681037	7,821451	7,846223	7,700529	7,566081	7,6655883	7,704277667	0,03868933	1,027180225	Gm17066
17381589	13,04024	12,97912	13,01286	13,07145	13,06091	13,01595	13,01074	13,04943667	0,03869667	1,027185446	Itih2
17234906	7,837153	8,082255	8,346759	8,224613	8,046206	8,111445	8,0887223	8,127421333	0,038699	1,027187107	Gm16517
17327352	5,146093	4,972052	5,379847	5,097923	5,159453	5,356716	5,1659973	5,204697333	0,0387	1,027187819	Sim2
17372949	3,944191	4,046538	3,924949	4,002997	3,926359	4,102453	3,9718927	4,010603	0,03871033	1,027195177	Olfr1260
17454546	6,887628	7,108797	6,886679	7,113681	6,963467	6,922087	6,9610347	6,999745	0,03871033	1,027195177	Ftsj2
17421060	6,166532	5,892179	6,296188	6,277408	6,203925	5,989717	6,1182997	6,157016667	0,038717	1,027199923	Fam131c
17547539	5,412172	5,359529	5,222187	5,343718	5,329868	5,436466	5,331296	5,370017333	0,03872133	1,027203009	---
17526274	6,891844	7,011019	6,958784	6,866677	6,932769	7,178365	6,9538823	6,992603667	0,03872133	1,027203009	Ccdc84
17372072	5,733119	5,684963	5,780932	5,710889	5,711299	5,892993	5,7330047	5,771727	0,03872233	1,027203721	Hoxd8
17297759	8,215358	8,306697	8,350516	8,327385	8,330573	8,330786	8,290857	8,329581333	0,03872433	1,027205145	Anxa11
17409621	7,720819	7,500681	7,242967	7,410068	7,566421	7,604151	7,4881557	7,52688	0,03872433	1,027205145	S1pr1
17439815	4,12259	4,169191	4,40364	4,371788	4,336785	4,10304	4,231807	4,270537667	0,03873067	1,027209654	Ibsp
17254166	8,727742	8,927656	8,587729	8,832765	8,966976	8,559611	8,747709	8,786450667	0,03874167	1,027217486	Slfn2
17502102	7,799852	7,822834	7,85752	7,92344	7,91502	7,757981	7,8267353	7,865480333	0,038745	1,02721986	Myo9b
17487120	6,424758	6,592719	6,76289	6,526515	6,662428	6,70766	6,5934557	6,632201	0,03874533	1,027220097	Ccdc61
17219286	7,894262	7,988564	7,864726	7,983773	7,941239	7,938783	7,9158507	7,954598333	0,03874767	1,027221758	Dedd
17275935	4,561677	4,425991	4,34775	4,417159	4,490722	4,543788	4,4451393	4,483889667	0,03875033	1,027223657	4930512B01Rik
17548186	4,485439	4,368984	4,39152	4,416431	4,534543	4,411228	4,4153143	4,454067333	0,038753	1,027225556	---
17280350	5,218666	5,298608	5,564841	5,568572	5,422216	5,2076	5,360705	5,399462667	0,03875767	1,027228879	Sox11
17309157	5,129012	5,064639	5,203829	5,260066	5,179554	5,074147	5,1324933	5,171255667	0,03876233	1,027232201	4933432I03Rik
17289181	8,503222	8,431406	8,513138	8,439203	8,613969	8,510897	8,4825887	8,521356333	0,03876767	1,027235999	Arsb
17362128	6,633445	6,626041	6,870975	6,662499	6,768432	6,815874	6,7101537	6,748935	0,03878133	1,02724573	Kcnk4
17337387	3,993045	4,087976	4,189223	4,26794	3,979214	4,139441	4,0900813	4,128865	0,03878367	1,027247391	2410017I17Rik
17202945	5,679562	6,10977	5,724957	6,24317	5,853178	5,534297	5,8380963	5,876881667	0,03878533	1,027248578	---
17527917	5,647652	5,506823	5,2768	5,616346	5,543534	5,387803	5,4770917	5,515894333	0,03880267	1,02726092	B930092H01Rik
17203647	4,747176	5,120381	4,508336	4,689109	4,527015	5,276218	4,7919643	4,830780667	0,03881633	1,027270651	---
17396733	8,707985	9,101424	8,937578	8,844775	9,073713	8,945012	8,9156623	8,9545	0,03883767	1,027285842	Actl6a
17350441	6,186257	5,639512	5,639512	6,097706	5,738892	5,745208	5,8217603	5,860602	0,03884167	1,02728869	1700044K03Rik // 1700044K03Rik
17257100	7,657523	7,553486	7,538108	7,693756	7,588878	7,583107	7,583039	7,621913667	0,03887467	1,027312188	Fmnl1
17526717	5,047067	4,846838	5,133232	5,05987	4,890594	5,193318	5,0090457	5,047927333	0,03888167	1,027317173	Htr3a
17214045	5,576986	5,695202	5,590985	5,673996	5,715198	5,590624	5,6210577	5,659939333	0,03888167	1,027317173	Tmem169
17501427	8,313927	8,296436	8,105135	8,246023	8,314015	8,272114	8,2384993	8,277384	0,03888467	1,027319309	Cbr4
17456859	5,140853	4,583416	5,133363	4,861106	4,997253	5,115931	4,952544	4,99143	0,038886	1,027320259	1700025E21Rik
17541784	4,518421	4,757064	4,840816	4,78907	4,714457	4,729438	4,7054337	4,744321667	0,038888	1,027321683	---
17550470	4,740402	4,775895	4,286106	4,442764	4,778767	4,697553	4,600801	4,639694667	0,03889367	1,027325718	---
17236177	3,929818	3,900981	3,814882	4,135593	3,883099	3,743707	3,8818937	3,920799667	0,038906	1,0273345	---
17504309	3,750904	3,786782	3,831471	3,756387	4,002801	3,726709	3,789719	3,828632333	0,03891333	1,027339722	Ccdc113
17304049	6,820403	6,905982	7,204754	7,077048	7,022821	6,948064	6,9770463	7,015977667	0,03893133	1,02735254	Dlg5
17484839	6,550207	6,307932	6,942656	6,580481	6,737696	6,599435	6,600265	6,639204	0,038939	1,0277358	Tmem80
17290074	12,02908	12,11289	12,17915	12,1205	12,25949	12,05799	12,10704	12,14599333	0,03895333	1,027368207	Gm6404
17231366	6,57262	6,695409	6,319516	6,681688	6,518852	6,503866	6,5291817	6,568135333	0,03895367	1,027368444	Plekhg1
17517084	4,980358	4,823985	4,895394	5,168706	4,829972	4,817921	4,8999123	4,938866333	0,038954	1,027368681	Ncam1
17331731	8,353142	8,435159	8,326259	8,398046	8,488182	8,345196	8,37152	8,410474667	0,03895467	1,027369156	Ltn1
17208753	4,630918	5,630818	4,589251	5,123304	4,918209	4,926394	4,950329	4,989302333	0,03897333	1,027382449	---
17527927	12,09102	12,11804	12,36615	12,32279	12,34324	12,02612	12,191737	12,23071667	0,03898	1,027387197	Rplp1
17217777	6,888575	6,959503	7,063945	6,951625	6,900036	7,177344	6,9706743	7,009668333	0,038994	1,027397167	Ddx59
17227089	9,176475	9,300068	9,106656	9,241238	9,207745	9,251216	9,1943997	9,233399667	0,039	1,027401439	Btg2
17404947	7,339578	7,536537	7,412127	7,467781	7,513006	7,424477	7,429414	7,468421333	0,03900733	1,027406662	Ankrd50
17214166	6,558906	6,692105	6,694808	6,571416	6,710833	6,780602	6,6486063	6,687617	0,03901067	1,027409036	Pnkd
17245200	4,194025	4,464205	4,593087	4,274899	4,482162	4,61131	4,4171057	4,456123667	0,039018	1,027414258	---
17295032	4,41245	4,398196	4,592956	4,387075	4,418867	4,714762	4,4678673	4,506901333	0,039034	1,027425652	Arsb // Arsb
17298171	7,81027	7,708114	7,714947	7,775082	7,8077	7,767653	7,7444437	7,783478333	0,03903467	1,027426127	Dcp1a
17301610	5,098948	5,239316	5,130877	5,162258	5,089293	5,334759	5,1563803	5,195436667	0,03905633	1,027441557	Nkx3-1
17299239	4,987979	4,906271	4,890918	5,116268	4,876177	4,909998	4,9283893	4,967481	0,03909167	1,027466721	---
17540451	3,551985	3,618208	3,624847	3,514783	3,712247	3,685294	3,5983467	3,637441333	0,03909467	1,027468858	Mir221
17479254	6,716002	6,698324	6,769611	6,785295	6,725941	6,789992	6,727979	6,767076	0,039097	1,027470519	Klhl25
17391438	9,439529	9,312932	9,492564	9,733052	9,597162	9,032105	9,4150083	9,454106333	0,039098	1,027471232	---
17374212	3,189372	3,064125	3,134425	3,133337	3,230292	3,141623	3,1293073	3,168417333	0,03911	1,027479778	Olfr1317
17227824	4,462683	3,88121	4,068589	4,530516	4,014724	3,984608	4,137494	4,176616	0,039122	1,027488324	---
17395462	6,320524	6,03958	5,902855	6,14927	5,83874	6,392319	6,087653	6,126776333	0,03912333	1,027489274	Ppp1r3d
17208143	7,674021	7,80864	7,640247	7,829679	7,685585	7,72502	7,707636	7,746761333	0,03912533	1,027490698	---
17220268	4,388206	4,513917	4,608135	4,413345	4,545005	4,669296	4,5034193	4,542548667	0,03912933	1,027493547	Cnih3
17372136	3,456154	3,540002	3,678841	3,704195	3,64605	3,442173	3,5583323	3,597472667	0,03914033	1,027501381	---
17517388	4,150119	4,031943	4,195045	4,141454	4,208582	4,144509	4,1257023	4,164848333	0,039146	1,027505417	---

17361779	8,545613	8,435299	8,512333	8,493425	8,614197	8,503086	8,4977483	8,536902667	0,03915433	1,027511352	Scyl1
17462451	9,534554	9,53334	9,530455	9,401335	9,712319	9,602158	9,532783	9,571937333	0,03915433	1,027511352	Slc6a13
17413466	3,688548	3,571941	3,875858	4,007224	3,711037	3,53557	3,7121157	3,751277	0,03916133	1,027516338	A630077J23Rik
17506532	6,030605	6,24373	6,228333	6,223905	6,242054	6,154218	6,167556	6,206725667	0,03916967	1,027522273	Dpep1
17511806	4,736532	4,783379	4,844836	4,923303	4,773974	4,785003	4,788249	4,827426667	0,03917767	1,027527971	4930488L21Rik
17363851	8,509159	8,420803	8,316954	8,431248	8,439022	8,494194	8,4156387	8,454821333	0,03918267	1,027531532	9930021J03Rik
17348765	4,723665	4,480415	4,384223	4,607358	4,470721	4,627786	4,5294343	4,568621667	0,03918733	1,027534856	Dsg4
17461161	4,919344	4,585879	4,298709	4,691823	4,822024	4,40765	4,6013107	4,640499	0,03918833	1,027535568	1700049E22Rik
17217590	4,255931	4,223911	4,458654	4,110906	4,668319	4,27695	4,312832	4,352058333	0,03922633	1,027562633	---
17259635	8,324351	8,402433	8,321997	8,276186	8,529938	8,360372	8,3495937	8,388832	0,03923833	1,02757118	Tbcd
17543870	6,874737	6,72674	6,640938	6,865788	6,654705	6,839662	6,7474717	6,786718333	0,03924667	1,027577116	Zdhhc15
17265646	4,578925	4,935083	4,8002	4,64608	4,869864	4,916032	4,7714027	4,810658667	0,039256	1,027583764	Tekt1
17209191	6,574056	5,29631	5,700766	5,804253	5,874678	6,009979	5,857044	5,896303333	0,03925933	1,027586138	---
17383452	5,649296	5,426751	5,668765	5,668956	5,468214	5,725433	5,581604	5,620867667	0,03926367	1,027589224	1700101E01Rik
17363173	3,704105	3,463267	3,548557	3,632747	3,665	3,535989	3,5719763	3,611245333	0,039269	1,027593023	Olfr1504
17286115	5,013782	4,853563	4,92223	5,111481	4,859548	4,936353	4,9298583	4,969127333	0,039269	1,027593023	Prl3d1
17516129	3,562103	3,426483	3,482331	3,600139	3,482331	3,506255	3,4903057	3,529575	0,03926933	1,02759326	Olfr883
17472673	4,794026	4,225842	4,996761	4,841158	4,799563	4,493739	4,6722097	4,711486667	0,039277	1,027598721	Gm10396
17266452	5,367281	5,126768	4,858354	5,111357	5,18768	5,171217	5,1174677	5,156751333	0,03928367	1,02760347	Sarm1
17492237	3,314286	3,381664	3,084194	3,220872	3,10511	3,572028	3,260048	3,299336667	0,03928867	1,027607031	---
17334113	6,263274	6,24151	6,405083	6,412591	6,312534	6,302612	6,303289	6,342579	0,03929	1,027607981	9530082P21Rik
17536527	3,833642	3,909343	3,807354	3,819388	3,876868	3,97196	3,850113	3,889405333	0,03929233	1,027609643	Dgat2l6
17394989	5,95555	6,224927	6,312833	6,206488	6,300526	6,104194	6,1644367	6,203736	0,03929933	1,027614629	---
17317921	5,395738	5,22209	5,476938	5,521475	5,368204	5,322994	5,364922	5,404224333	0,03930233	1,027616766	Gpr20
17289857	4,601368	4,598713	4,799581	4,591166	4,695464	4,830945	4,666554	4,705858333	0,03930433	1,02761819	---
17204853	8,0662	7,763139	7,953975	8,081786	7,746358	8,073087	7,9277713	7,967077	0,03930567	1,02761914	---
17520833	3,907527	3,895922	3,714058	3,955553	3,646657	4,033216	3,839169	3,879475333	0,03930633	1,027619615	---
17448452	4,41391	4,341178	4,381194	4,477771	4,506403	4,270029	4,3787607	4,418067667	0,039307	1,02762009	---
17538797	8,758296	8,569305	8,010417	8,566771	8,422156	8,467014	8,446006	8,485313667	0,03930767	1,027620565	---
17333553	7,74927	7,816424	7,739299	7,838252	7,733493	7,851171	7,768331	7,807638667	0,03930767	1,027620565	Fam120b
17395955	5,039762	5,841495	5,391175	5,490525	5,607978	5,291863	5,424144	5,463455333	0,03931133	1,02762176	Hnf4g
17378307	10,79023	10,41823	10,11442	10,32776	10,46763	10,64553	10,44096	10,48030667	0,03934667	1,027648344	---
17399868	4,294694	3,750322	4,311468	4,237577	3,932955	4,303996	4,118828	4,158176	0,039348	1,027649294	Sprr2d
17516235	3,213313	3,192742	3,180012	3,116084	3,636354	2,951741	3,1953557	3,234726333	0,03937067	1,02766544	Olfr924
17375929	5,442808	5,472717	5,360731	5,513699	5,419857	5,460838	5,4254187	5,464798	0,03937933	1,027671613	---
17222396	8,176836	8,617759	8,011771	8,463855	8,220243	8,240408	8,2687887	8,308168667	0,03938	1,027672088	Mitd1
17443985	5,536447	5,680801	5,956271	5,825746	5,960067	5,505846	5,7245063	5,763886333	0,03938	1,027672088	Cyp2w1
17339604	9,003808	8,894554	8,79435	8,96043	8,928659	8,921832	8,8975707	8,936973667	0,039403	1,027688472	Slc30a6
17222211	6,811734	7,120829	6,820574	6,966931	6,999125	6,905304	6,9177123	6,95712	0,03940767	1,027691796	Sema4c
17268536	5,291674	5,360229	5,39796	5,321432	5,49903	5,347656	5,3499543	5,389372667	0,03941833	1,027699395	Arhgap23
17545409	4,099044	3,853544	3,938445	4,042204	4,158976	3,808151	3,9636777	4,003110333	0,03943267	1,027709605	---
17329627	9,771673	9,974357	9,610656	9,669825	9,964785	9,840419	9,785562	9,825009667	0,03944767	1,02772029	Cpn2
17339821	3,794945	4,028882	3,930266	3,962588	4,00321	3,906741	3,918031	3,957513	0,039482	1,027744748	---
17534169	5,616073	5,461736	5,476378	5,770133	5,317548	5,58512	5,5180623	5,557600333	0,039538	1,027784642	Rhox3a
17310872	10,43302	10,4355	10,30336	10,37531	10,44021	10,47498	10,390627	10,43016667	0,03954	1,027786067	Sdc2
17524344	3,168895	3,178969	3,050991	3,041223	3,196419	3,279838	3,1329517	3,172493333	0,03954167	1,027787255	Olfr860
17349544	7,826476	8,172647	8,04578	8,266745	7,991883	7,904976	8,0149677	8,054534667	0,039567	1,027805302	Snhg4
17221871	13,69826	13,73584	13,64099	13,69928	13,74351	13,75101	13,691697	13,73126667	0,03957	1,02780744	---
17505426	9,945336	9,721526	9,580445	9,736247	9,808042	9,821777	9,7491023	9,788688667	0,03958633	1,027819076	Ap1g1
17252882	6,837425	6,969483	6,881237	6,927887	6,859133	7,019931	6,8960483	6,935650333	0,039602	1,027830237	Rtn4rl1
17493867	3,485528	3,374167	3,202241	3,475214	3,469223	3,236339	3,3539787	3,393592	0,03961333	1,027838312	Mir3102
17454753	11,06723	11,13588	11,1894	11,16344	11,19599	11,15196	11,130837	11,17046333	0,03962667	1,027847811	Actb
17200151	5,812952	5,366403	6,22568	6,006965	5,459826	6,057126	5,8016783	5,841305667	0,03962733	1,027848286	---
17387768	3,55311	3,470837	3,387171	3,659395	3,245583	3,625034	3,4703727	3,510004	0,03963133	1,027851136	Olfr1135
17459989	7,459498	7,606276	7,638491	7,558702	7,649257	7,615202	7,5680883	7,607720333	0,039632	1,027851611	Dctn1
17377092	7,275334	7,307172	7,208973	7,349203	7,32237	7,238812	7,2638263	7,303461667	0,03963533	1,027853986	Sec23b
17397392	3,611738	3,944203	3,574341	3,586144	4,210978	3,452079	3,710094	3,749733667	0,03963967	1,027857073	---
17353650	6,736753	7,032211	6,700132	7,079103	6,633799	6,875142	6,823032	6,862681333	0,03964933	1,02786396	Ecscr
17388006	5,02925	4,566971	4,5567	4,792709	4,715577	4,763587	4,7176403	4,757291	0,03965067	1,02786491	Olfr48
17357887	5,08447	4,805674	4,930833	4,982644	5,051799	4,905576	4,9403257	4,980006333	0,03968067	1,027886284	Olfr1444
17264119	2,886295	3,016196	2,800737	3,002238	3,006287	2,813757	2,901076	2,940760667	0,03968467	1,027889134	---
17293271	3,868544	3,992168	4,010025	4,254892	3,802068	3,932856	3,9569123	3,996605333	0,039693	1,027895071	---
17203897	5,010387	5,73676	5,164532	5,33239	5,271862	5,426543	5,303893	5,343598333	0,03970533	1,027903859	---
17544657	3,398731	3,472538	3,439692	3,379639	3,516592	3,533864	3,436987	3,476698333	0,03971133	1,027908133	Prame
17269948	6,394288	6,158489	6,61117	6,450355	6,242055	6,590683	6,3879823	6,427697667	0,03971533	1,027910983	---
17417908	5,222105	4,365364	4,623036	4,642632	4,975708	4,71137	4,736835	4,77657	0,039735	1,027924996	---
17376683	5,076159	4,67961	4,524556	4,94439	4,756307	4,698856	4,7601083	4,799851	0,03974267	1,027930458	Mir3090 // Mir3090
17250773	3,52526	3,341979	3,626806	3,59287	3,567037	3,453411	3,498015	3,537772667	0,03975767	1,027941146	---
17243678	9,310959	9,396332	9,343867	9,386074	9,468805	9,315578	9,350386	9,390152333	0,03976633	1,027947321	D10Wsu52e
17303538	4,949126	4,881987	5,118166	5,082972	5,058417	4,927208	4,983093	5,022865667	0,03977267	1,027951834	Gm5087
17548660	5,061163	4,860803	5,287257	5,179983	4,837258	5,311313	5,069741	5,109518	0,039777	1,027954922	Gm20100
17536861	5,990907	5,871973	5,805908	5,923591	5,894691	5,969875	5,889596	5,929385667	0,03978967	1,027963947	Nhsl2
17203711	7,681977	7,903008	7,816056	7,843534	7,922961	7,75392	7,800347	7,840138333	0,03979133	1,027965134	---
17378468	6,629019	6,736567	7,024691	6,971434	6,682666	6,855552	6,796759	6,836550667	0,03979167	1,027965372	Cep250
17479259	5,001965	4,586522	5,102161	4,930732	4,944278	4,935067	4,8968827	4,936692333	0,03980967	1,027978198	Agbl1
17339353	4,965293	4,568901	4,892112	4,922191	4,921435	4,702115	4,8087687	4,848580333	0,03981167	1,027979623	A330050F15Rik
17548454	8,489642	8,507381	8,33161	8,471819	8,638647	8,337604	8,4428777	8,48269	0,03981233	1,027980098	Tomm5 // Tomm5
17446322	7,175514	7,052725	6,858322	7,055402	7,053762	7,096867	7,0288537	7,068677	0,03982333	1,027987936	Prkag2
17538411	4,486267	4,167885	4,373903	4,407906	4,316649	4,42302	4,342685	4,382525	0,03984	1,027999812	Htr2c
17314929	7,686655	7,647281	7,474707	7,586095	7,752164	7,589911	7,602881	7,642723333	0,03984233	1,028001474	Dip2b
17523481	5,720077	5,635974	5,94624	5,768526	5,872674	5,780626	5,7674303	5,807275333	0,039845	1,028003374	Gm8008
17209683	3,956364	4,321527	3,618379	3,469948	4,455512	4,090378	3,9654233	4,005279333	0,039856	1,028011212	---
17233645	7,176805	7,328122	6,723674	7,843534	5,58268	7,921971	7,0762003	7,116061667	0,03986133	1,028015013	---
17357902	4,14068	3,920895	3,927489	4,316918	3,959725	3,832007	3,9963547	4,036216667	0,039862	1,028015488	Olfr1451
17372919	3,830842	3,942285	4,132223	4,038563	4,027237	3,95915	3,96845	4,008316667	0,03986667	1,028018813	Olfr1193
17339529	5,524324	5,603518	5,602077	5,489222	5,747544	5,612762	5,5766397	5,616509333	0,03986967	1,028020951	Clip4
17271197	5,915796	5,766059	5,938102	5,898645	5,931283	5,909658	5,873319	5,913195333	0,03987633	1,028025701	Axin2 // Axin2
17203625	6,848895	6,734306	6,983051	6,797098	6,822746	7,066109	6,8554173	6,895317667	0,03990033	1,028042803	---
17290930	9,840352	9,734588	9,674169	9,869656	9,855196	9,643964	9,749703	9,789605333	0,03990233	1,028044228	---
17350444	4,534123	4,53307	4,346308	4,44966	4,390507	4,693058	4,471167	4,511075	0,039908	1,028048266	---
17375880	6,859545	6,681371	6,92621	6,871262	7,001585	6,714034	6,8223753	6,862293667	0,03991833	1,02805563	Adra2b
17230735	10,21431	9,956589	9,892885	9,848579	10,26724	10,06774	10,021261	10,06118633	0,039925	1,02806038	Mosc2
17350811	3,692796	3,566038	3,635387	3,637773	3,740857	3,635387	3,631407	3,671339	0,039932	1,028065369	1700011I03Rik
17321493	6,761367	6,938513	6,959945	6,895726	7,099076	6,78482	6,8866083	6,926540667	0,03993233	1,028065606	Mcrs1
17238862	5,950486	6,082254	5,973169	6,068732	6,206129	5,850852	6,0019697	6,041904333	0,03993467	1,028067269	Syne1
17342847	5,80337	5,790097	5,80269	5,981853	5,751818	5,78229	5,798719	5,838653667	0,03993467	1,028067269	Tulp1
17315409	7,110651	7,269018	7,137137	7,088105	7,259303	7,289204	7,1722687	7,212204	0,03993533	1,028067744	Sp1
17462131	5,138972	4,983704	5,008232	5,344866	4,950134	4,955717	5,043636	5,083572333	0,03993633	1,028068457	Olfr211
17208089	3,896344	3,610648	3,924182	4,594766	3,118414	3,837807	3,8103913	3,850329	0,03993767	1,028069407	---
17225586	7,563406	7,321526	7,478682	7,331831	7,603209	7,54839	7,454538	7,494476667	0,03993867	1,028070119	Myeov2
17539167	3,782444	3,759157	3,824204	3,770829	3,821	3,893796	3,7886017	3,828541667	0,03994	1,028071069	Mtap7d2
17530742	8,110577	8,208612	8,328124	8,272637	8,342244	8,152284	8,215771	8,255721667	0,03995067	1,028078671	Tex264
17484063	6,144455	6,103915	6,283288	6,27124	6,246055	6,134223	6,1772193	6,217172667	0,03995333	1,028080571	Nkx1-2 // Nkx1-2
17221432	11,5202	11,79875	11,49413	11,5118	11,4867	11,93444	11,60436	11,64431333	0,03995333	1,028080571	---
17528850	9,448563	9,371967	9,2733	9,380869	9,443043	9,389799	9,36461	9,404570333	0,03996033	1,028085559	Tmod3
17255118	7,636703	7,641195	7,628603	7,724639	7,604783	7,696982	7,6355003	7,675468	0,03996767	1,028090785	Mbtd1
17290316	3,851112	3,710561	3,892129	4,035241	3,828811	3,709656	3,817934	3,857902667	0,03996867	1,028091498	---
17333344	5,771361	6,219428	6,103897	6,155665	6,125187	5,933775	6,031562	6,071542333	0,03998033	1,028099812	Snora20
17487325	6,32284	6,454247	6,441729	6,405684	6,488732	6,444352	6,406272	6,446256	0,039984	1,028102425	Relb
17474785	4,984921	5,052416	5,141733	5,096822	5,056461	5,14578	5,05969	5,099687667	0,03999767	1,028112164	Vmn1r148
17338286	6,625153	6,770109	6,603661	6,59863	6,612964	6,907387	6,6663077	6,706327	0,04001933	1,028127604	Usp49
17388888	5,196285	4,684617	4,698765	4,973039	4,973833	4,752898	4,859889	4,899923333	0,04003433	1,028138294	---
17391347	7,003062	6,735814	6,916705	6,949646	7,114607	6,711442	6,8851937	6,925231667	0,040038	1,028140907	Nphp1
17507184	4,233038	4,353213	4,380086	4,380595	4,460836	4,245096	4,3221123	4,362175667	0,04006333	1,028158961	Cd209d
17492772	5,175785	4,759862	4,941212	5,073936	4,915769	5,007354	4,958953	4,999019667	0,04006667	1,028161337	Ap3b2
17202647	3,593641	2,972889	2,84186	2,995028	3,548561	2,985025	3,13613	3,176204667	0,04007467	1,028167038	---
17236502	7,927156	8,188489	7,994341	8,009359	8,155854	8,065062	8,036662	8,076758333	0,04009633	1,028182479	Cdk17
17286551	3,493484	3,494531	3,670273	3,612129	3,443075	3,723388	3,5527627	3,592864	0,04010133	1,028186043	---
17300519	8,83428	9,026809	8,817648	8,871116	8,948441	8,979591	8,8929123	8,933049333	0,040137	1,028211462	Dcaf11
17403114	6,212511	6,355314	5,791623	6,140107	6,060188	6,279577	6,119816	6,159957333	0,04014133	1,028214551	Adh4
17535644	5,324093	5,387131	5,400095	5,469236	5,371216	5,391318	5,3704397	5,41059	0,04015033	1,028220965	Plxnb3
17459591	10,91385	10,90106	11,02868	10,96092	10,9692	11,03393	10,947863	10,98801667	0,04015333	1,028223103	St3gal5
17532662	7,338878	7,023822	6,735876	7,444832	6,722136	7,052104	7,0328587	7,073024	0,04016533	1,028231656	Sfi1 // Sfi1
17208421	3,332044	3,88763	3,085134	3,47935	3,742198	3,203795	3,434936	3,475114333	0,04017833	1,028240921	---
17221177	8,743065	8,858139	8,538144	8,751225	8,771124	8,737543	8,713116	8,753297333	0,04018133	1,028243059	Vcpip1
17246679	5,857587	5,754385	5,987949	5,839297	5,938858	5,942316	5,8666403	5,906823667	0,04018333	1,028244485	Slc35e4 // Slc35e4
17365755	5,222455	4,943203	5,117126	5,149953	5,137657	5,115779	5,0942613	5,134463	0,04020167	1,028257551	Gucy2g
17464843	3,963818	3,824821	3,767565	3,928685	3,923589	3,824565	3,852068	3,892279667	0,04021167	1,028264679	Gm6578
17226752	8,262241	8,307398	7,998126	7,875433	8,440599	8,372378	8,189255	8,22947	0,040215	1,028267054	Dyrk3
17497283	5,344133	5,119889	5,052749	5,25851	5,231215	5,147788	5,172257	5,212504333	0,04024733	1,0282901	D7Ertd443e
17431562	8,509469	8,429205	8,565048	8,490294	8,547882	8,586344	8,5012407	8,541506667	0,040266	1,028303405	Kdm1a
17414146	3,629261	3,634875	3,524873	3,678126	3,727598	3,504091	3,5963363	3,636605	0,04026867	1,028305306	4930547C10Rik
17319192	8,40261	8,390223	8,329226	8,255429	8,540549	8,446927	8,3740197	8,414301667	0,040282	1,028314809	Tmem184b
17337872	7,148543	7,159734	7,229722	7,17033	7,292808	7,195713	7,179333	7,219617	0,040284	1,028316235	Supt3h

17315658	6,63146	6,370531	6,558051	6,646198	6,360384	6,674341	6,520014	6,560307667	0,04029367	1,028323125	Fbxo4
17261470	6,472136	6,705599	6,530282	6,636714	6,671995	6,520195	6,569339	6,609634667	0,04029567	1,02832455	Rhbdf1
17357971	5,708707	5,751775	5,520532	5,553551	5,465991	6,08237	5,660338	5,700637333	0,04029933	1,028327164	Gna14
17257135	6,521954	6,412272	6,38282	6,493517	6,467882	6,476583	6,4390153	6,479327333	0,040312	1,028336193	Gm11648
17230700	4,317677	4,199782	4,198699	4,19838	4,150011	4,488761	4,2387193	4,279050667	0,04033133	1,028349973	---
17543309	7,092322	7,010229	7,000067	6,971871	7,134012	7,117744	7,034206	7,074542333	0,04033633	1,028353537	Fam123b
17481510	3,097496	3,185913	3,19619	3,075131	3,457824	3,067659	3,1598663	3,200204667	0,04033833	1,028354963	Olfr716
17428064	4,456441	4,600768	4,333592	4,571029	4,556204	4,384585	4,4636003	4,503939333	0,040339	1,028355438	---
17302397	7,555984	7,296189	7,471227	7,423139	7,627947	7,393342	7,4411333	7,481476	0,04034267	1,028358052	Klf5
17426803	4,334313	4,512148	4,316317	4,393953	4,497913	4,391975	4,3875927	4,427947	0,04035433	1,028366368	Cer1
17547791	3,404492	3,375002	3,373459	3,50929	3,409028	3,35572	3,3843177	3,424679333	0,04036167	1,028371595	Gm10733
17470394	5,472259	5,45791	5,667527	5,48586	5,533044	5,699903	5,5325653	5,572935667	0,04037033	1,028377773	B4galnt3
17538788	9,801744	10,36689	10,0578	10,31555	9,820745	10,21131	10,075478	10,11586833	0,04039033	1,028392029	---
17200987	4,81636	4,878999	5,238062	4,575	5,479502	5,000095	4,977807	5,018199	0,040392	1,028393217	---
17494831	5,3222	5,343443	5,348847	5,22827	5,619982	5,287426	5,3381633	5,378559333	0,040396	1,028396069	Ric3
17276906	9,093557	9,102943	9,137722	9,131836	9,177772	9,145819	9,1114073	9,151809	0,04040167	1,028400108	Smoc1
17469601	5,325347	5,058047	5,190664	5,350167	5,156332	5,188777	5,1913527	5,231758667	0,040406	1,028403197	Grm7
17543838	2,90485	3,182347	3,047841	3,127027	3,059728	3,069506	3,0450127	3,085420333	0,04040767	1,028404385	---
17211131	8,023664	8,068901	7,744896	8,128689	7,96132	7,868719	7,9458203	7,986242667	0,04042233	1,02841484	Prex2
17401560	9,893715	9,78826	10,36008	9,669015	10,18961	10,30474	10,014018	10,054455	0,04043667	1,028425057	---
17293922	5,775719	5,43847	5,72863	5,518791	5,724247	5,821098	5,6476063	5,688045333	0,040439	1,028426721	Zfp458
17386718	2,980493	3,207479	3,244368	3,170812	3,20963	3,173222	3,1441133	3,184554667	0,04044133	1,028428384	Ttc30a2
17391449	7,503999	8,426356	7,288682	7,401066	8,278551	7,660746	7,7396679	7,780121	0,040442	1,028428859	---
17270837	8,909894	8,789215	8,689631	8,913314	8,652631	8,944139	8,7962467	8,836694667	0,040448	1,028433136	Cd79b
17240431	6,863813	7,057325	7,031231	7,068119	6,928584	7,077065	6,984123	7,024589333	0,04046633	1,028446205	Smpd2
17280727	5,363738	5,753629	5,8695	5,542121	5,880179	5,685984	5,662289	5,702761333	0,04047233	1,028450483	Mir680-3 // Mir680-3
17299217	7,107684	7,021864	7,008996	6,981296	6,995806	7,286262	7,0461813	7,086654667	0,04047333	1,028451196	Styx
17203275	6,721102	7,289775	7,041672	6,73667	6,965769	7,47153	7,0175163	7,057989667	0,04047333	1,028451196	---
17501288	7,400486	7,331635	7,359672	7,443591	7,584058	7,185599	7,363931	7,404416	0,040485	1,028459512	2500002B13Rik
17416537	4,552992	4,697607	4,731949	4,647799	4,703365	4,752891	4,6608493	4,701351667	0,04050233	1,028471869	---
17200787	5,728378	5,395195	4,590995	5,454992	6,324643	4,05647	5,2381893	5,278701667	0,04051233	1,028478998	---
17226708	4,96539	4,635043	5,00201	5,01126	4,645947	5,066789	4,867481	4,907998667	0,04051767	1,0284828	Il24
17268794	6,189069	5,936523	6,066571	6,056442	6,429112	5,828173	6,0640543	6,104575667	0,04052133	1,028485414	Pgap3
17201477	6,4565	6,051106	6,594091	6,590996	5,853074	6,779198	6,3672323	6,407756	0,04052367	1,028487077	---
17484225	5,218081	5,198378	5,227422	5,292947	5,402145	5,070362	5,214627	5,255151333	0,04052433	1,028487552	---
17441168	7,210575	7,146938	7,426369	7,242415	7,450675	7,212385	7,261294	7,301825	0,040531	1,028492305	Pxn
17426553	7,577651	6,587078	7,182844	7,186944	7,228201	7,054055	7,1158577	7,1564	0,04054233	1,028500385	---
17226486	5,361733	5,095432	5,391459	5,312907	5,402483	5,254902	5,2828747	5,323430667	0,040556	1,028510128	2900009J06Rik
17399647	3,834068	3,163133	3,38567	3,437107	3,602764	3,464803	3,460957	3,501558	0,040601	1,028542209	---
17292608	4,520549	4,386407	4,551028	4,550032	4,600276	4,429519	4,4859947	4,526609	0,04061433	1,028551715	BB123696
17345315	6,631037	6,727856	7,007293	6,840264	6,691014	6,956757	6,7887287	6,829345	0,04061633	1,028553141	Mad2l1bp
17200929	3,383403	3,882323	4,189451	3,622559	3,624389	4,330087	3,8183923	3,859011667	0,04061933	1,02855528	---
17254801	5,189057	5,04012	5,270594	5,067972	5,330902	5,222759	5,1665903	5,207211	0,04062067	1,02855623	Hsf5
17306143	4,143744	4,189023	4,312244	4,288971	4,185623	4,292372	4,2150037	4,255655333	0,04065167	1,028578332	Ang4
17233643	11,20667	11,10812	11,18634	11,09725	11,35839	11,16745	11,167043	11,20769667	0,04065333	1,02857952	---
17307502	7,879332	7,901202	7,814167	7,870001	7,886281	7,960403	7,8649003	7,905561667	0,04066133	1,028585223	Dleu2
17414009	6,432709	6,075578	6,443733	6,136055	6,499388	6,43857	6,31734	6,358004333	0,04066433	1,028587362	5730528L13Rik
17548084	8,044618	8,090856	8,368987	8,184945	8,081074	8,360447	8,1681537	8,208822	0,04066833	1,028590214	Chsy3 // Chsy3
17430561	5,248452	5,153776	5,230746	5,163775	5,248366	5,342841	5,2109913	5,251660667	0,04066933	1,028590927	Hcrtr1
17335474	6,872483	6,822925	6,962845	6,922714	6,88934	6,96831	6,8860843	6,926788	0,04070367	1,028615406	---
17473269	8,210156	8,28245	8,502434	8,459051	8,326636	8,331465	8,33168	8,372384	0,040704	1,028615644	Leng8
17252849	7,735369	7,692456	7,711738	7,687956	7,921434	7,652322	7,7131877	7,753904	0,04071633	1,028624437	Smg6
17291609	4,480627	4,598588	4,834196	4,863429	4,870958	4,301209	4,6378037	4,678532	0,04072833	1,028632993	Hus1b
17405549	4,784793	5,020275	4,830386	4,811295	5,023831	4,922535	4,8784847	4,919220333	0,04073567	1,028638222	Plch1
17396020	5,293422	5,246305	5,196511	5,356628	5,518875	4,982988	5,2454127	5,286163667	0,040751	1,028649154	LOC100036513
17207787	4,017426	3,83516	4,577435	3,975739	4,029493	4,547054	4,1433403	4,184095333	0,040755	1,028652006	---
17462420	7,297099	7,226158	7,415322	7,356215	7,449329	7,255313	7,3128597	7,353619	0,04075933	1,028655096	Pex26
17550390	8,94443	9,286227	9,05392	9,19879	9,116669	9,091404	9,094859	9,135621	0,040762	1,028656997	---
17321213	4,857431	4,917771	4,171201	4,672787	4,600304	4,795618	4,648801	4,689569667	0,04076867	1,028661751	Olfr285
17381112	5,288124	5,270434	5,237527	5,157846	5,437761	5,322791	5,2653617	5,306132667	0,040771	1,028663414	Tcea2
17485880	7,923308	8,155771	8,030943	8,007221	8,23553	7,989595	8,036674	8,077448667	0,04077467	1,028666029	Hspbp1
17475327	6,142065	6,54876	6,667215	6,478877	6,668598	6,332902	6,45268	6,493459	0,040779	1,028669119	Exosc5
17533303	6,889112	6,790567	6,594119	6,639869	6,907175	6,849114	6,7579327	6,798719333	0,04078667	1,028674585	Gm14475 // Gm14478 // Gm14482 // Gı
17491898	6,934317	6,814519	6,876221	6,864346	6,997649	6,885454	6,875019	6,915816333	0,04079733	1,028682191	Lrrk1
17356739	6,339118	5,939822	5,724514	5,927974	6,349296	5,848663	6,0011513	6,041977667	0,04082633	1,028702869	Mir194-2
17356344	7,40416	7,393426	7,330722	7,427035	7,501499	7,322261	7,3761027	7,416931667	0,040829	1,02870477	Brms1
17465735	5,721708	5,359456	5,819745	5,720206	5,522243	5,780986	5,6336363	5,674478333	0,040842	1,02871404	---
17278803	3,343368	3,267671	3,270892	3,242975	3,530268	3,231258	3,293977	3,334833667	0,04085667	1,028724498	Mir379
17467492	2,952119	3,015525	2,939954	2,965807	2,910999	3,153433	2,9691993	3,010079667	0,04088033	1,028741374	---
17413033	5,940694	5,599184	6,164033	6,013189	5,936118	5,877248	5,9013037	5,942185	0,04088133	1,028742087	Ccl19
17413131	5,940694	5,599184	6,164033	6,013189	5,936118	5,877248	5,9013037	5,942185	0,04088133	1,028742087	Ccl19
17434224	5,940694	5,599184	6,164033	6,013189	5,936118	5,877248	5,9013037	5,942185	0,04088133	1,028742087	Ccl19
17244422	4,465696	4,325132	4,08846	4,403208	4,345216	4,25353	4,293096	4,333984667	0,04088867	1,028747316	Mir331
17512940	4,433352	4,924185	4,739335	4,590491	4,791895	4,837158	4,6989573	4,739848	0,04089067	1,028748742	Sf3b3
17476906	4,390816	4,167089	4,477043	4,434436	4,332431	4,390816	4,3449827	4,385894333	0,04091167	1,028763717	4933402C06Rik
17515715	9,238232	9,260533	9,074755	9,246624	9,234113	9,215561	9,1911733	9,232099333	0,040926	1,028773938	Zbtb44
17323038	4,235638	4,060401	4,008489	4,34476	3,89155	4,191033	4,1015093	4,142447667	0,04093833	1,028782733	Mir193b
17207999	3,975182	4,089736	3,823859	4,410736	3,771222	3,829709	3,9629257	4,003889	0,04096333	1,02880056	---
17362953	4,8937	4,819092	4,778864	4,828607	4,866289	4,919671	4,830552	4,871522333	0,04097033	1,028805552	Ms4a7
17512527	3,211301	3,34325	3,539266	3,481505	3,290352	3,444915	3,3646057	3,405590667	0,040985	1,028816011	---
17492661	9,154493	9,252533	9,039602	9,109782	9,274102	9,185751	9,148876	9,189878333	0,04100233	1,028828372	Iqgap1
17372825	3,195161	3,065234	2,886624	3,256915	3,061291	2,951916	3,0490063	3,090040667	0,04103433	1,028851192	Olfr1113
17295377	6,507173	6,488735	6,836999	6,795688	6,557937	6,602426	6,610969	6,652017	0,041048	1,028860939	---
17400250	5,028909	5,032279	4,966929	5,099254	5,07093	4,981081	5,0093723	5,050421667	0,04104933	1,028861889	Sema6c
17513621	3,507912	3,993128	3,788276	3,888456	3,648802	3,875229	3,7631053	3,804162333	0,041057	1,028867357	---
17463589	2,994631	2,96568	2,67697	3,018417	2,868421	2,873633	2,8790937	2,920157	0,04106333	1,028871874	---
17498029	4,308331	4,663838	4,678564	4,479853	4,340065	4,954009	4,5502443	4,591309	0,04106467	1,028872825	---
17215008	4,435654	4,447067	4,287632	4,274623	4,494933	4,524025	4,3901177	4,431193667	0,041076	1,028880907	4933407L21Rik
17242747	8,207826	7,992366	8,140474	8,116378	8,193416	8,15413	8,1135553	8,154641333	0,041086	1,028888039	C030046I01Rik
17341547	5,590909	5,532781	5,813765	5,828971	5,408878	5,82288	5,6458183	5,686909667	0,04109133	1,028891842	Cldn9
17330998	6,327	6,209309	6,276197	6,33492	6,282047	6,318845	6,2708353	6,311937333	0,041102	1,02889945	Cep97
17341148	5,714182	6,157453	6,476087	6,208205	6,041656	6,221209	6,1159073	6,157023333	0,041116	1,028909434	LOC106740
17463031	6,317071	6,053259	5,940642	6,293284	6,025078	6,11601	6,1036573	6,144790667	0,04113333	1,028921796	Acrbp
17473580	5,710197	5,793903	5,742475	5,8643	5,754025	5,75165	5,7488583	5,789991667	0,04113333	1,028921796	Zfp667
17241643	7,058309	7,049811	6,999009	7,02056	7,133709	7,076277	7,0357097	7,076848667	0,041139	1,028925838	Ado
17266609	4,123436	3,34566	3,808317	3,571237	3,848558	3,981035	3,7591377	3,800276667	0,041139	1,028925838	---
17210850	2,870358	3,081158	3,077251	2,879501	3,145925	3,126795	3,009589	3,050740333	0,04115133	1,028934634	---
17442185	7,910394	8,160155	8,180323	8,029114	8,206466	8,13881	8,083624	8,124796667	0,04117267	1,028949849	---
17529383	8,338173	8,518067	8,254045	8,469958	8,425371	8,338475	8,370095	8,411268	0,041173	1,028950086	Pgm3
17443785	6,642808	6,798494	6,755485	6,768153	6,805987	6,746207	6,7322623	6,773449	0,04118667	1,028959834	Cnpy4
17357953	5,996454	5,700861	5,635808	5,736158	5,822151	5,898379	5,7777077	5,818896	0,04118833	1,028961022	C130060C02Rik
17216063	6,85619	6,821085	6,76327	6,85312	6,966365	6,744703	6,813515	6,854729333	0,04121433	1,028979566	Bok
17396638	7,71296	7,747757	7,594382	7,66146	7,757541	7,759773	7,685033	7,726258	0,041225	1,028987174	Skil
17475001	5,647001	5,607195	5,535172	5,559947	5,679288	5,673937	5,596456	5,637724	0,041268	1,029017844	Irgq
17501569	6,900536	7,307673	7,056104	6,958858	7,101427	7,327886	7,0881043	7,129390333	0,041286	1,029030683	Nat2
17489642	6,557624	6,502553	6,565869	6,56648	6,555329	6,6281	6,5420153	6,583303	0,04128767	1,029031872	---
17239138	5,140735	5,072651	5,267306	5,13772	5,22321	5,243627	5,1602307	5,201519	0,04128833	1,029032347	---
17289016	4,296138	4,502628	4,497804	4,30026	4,295705	4,824494	4,43219	4,473486333	0,04129633	1,029038053	Gm4117
17356583	7,50714	7,430025	7,536507	7,50096	7,596789	7,499835	7,491224	7,52528	0,041304	1,029043522	Syvn1
17391443	10,10725	10,0784	10,10594	10,15685	9,99108	10,26759	10,097197	10,13850667	0,04131	1,029047801	---
17505782	7,929584	7,915975	7,9853	7,992289	7,785304	8,177241	7,9436197	7,984944667	0,041325	1,029058501	Terf2ip
17315558	10,60427	10,64395	10,69705	10,77518	10,61554	10,67855	10,648423	10,68975667	0,04133333	1,029064445	Copz1
17484587	13,00543	13,06116	12,88242	12,98371	12,97428	13,11505	12,983003	13,02434667	0,04134333	1,029071578	Cyp2e1
17252626	7,030863	7,016496	7,05678	7,077012	7,132263	7,018911	7,034713	7,076062	0,041349	1,02907562	Tax1bp3
17418016	5,742296	5,709298	5,804081	5,908493	5,587419	5,883836	5,7518917	5,793249333	0,04135767	1,029081802	Slfnl1
17292850	5,249625	5,334855	5,399072	5,428606	5,336393	5,342687	5,3278507	5,369228667	0,041378	1,029096306	Pfn3
17295960	7,855659	7,889848	7,864786	7,948191	7,858474	7,927792	7,8700977	7,911485667	0,041388	1,029103439	Cwc27
17494541	6,768574	6,37043	6,503734	6,551256	6,482272	6,733408	6,5475793	6,588978667	0,04139933	1,029111523	Trim3
17442107	7,847003	7,795805	7,83073	8,00001	7,852126	7,745605	7,8245127	7,865913667	0,041401	1,029112712	Anapc7
17425708	9,224109	9,269915	9,091612	9,205759	9,242425	9,261683	9,195212	9,236622333	0,04141033	1,02911937	AI314180
17446587	7,108656	7,211341	7,109096	7,261233	7,253805	7,038303	7,143031	7,184447	0,041416	1,029123412	Lmbr1
17544279	3,484014	3,520574	3,630626	3,472873	3,509434	3,777174	3,5450713	3,586493667	0,04142233	1,02912793	---
17224811	4,423989	3,809801	4,132321	4,175552	4,184559	4,130273	4,122037	4,163461333	0,04142433	1,029129357	---
17503507	9,592326	9,542198	9,502631	9,576662	9,561814	9,622966	9,5457183	9,587147333	0,041429	1,029132685	Lonp2
17467458	5,080181	5,314051	5,286236	5,291928	5,193932	5,318905	5,2268227	5,268255	0,04143233	1,029135063	---
17369868	5,249562	5,289301	5,597158	5,344334	5,440957	5,475044	5,3786737	5,420111667	0,041438	1,029139106	Pip5kl1
17294489	8,03143	7,49788	7,624223	7,8253	7,689922	7,762636	7,7178443	7,759286	0,04144167	1,029141721	Arsk
17517659	6,464866	6,676147	6,709942	6,67513	6,724143	6,576018	6,616985	6,658430333	0,04144533	1,029144337	Man2c1
17515998	4,06553	4,444919	4,195732	4,605986	4,160176	4,064368	4,2353937	4,276843333	0,04144967	1,029147428	Acrv1
17206067	5,656018	5,714367	5,337274	5,285998	6,065108	5,480918	5,5692197	5,610674667	0,041455	1,029151232	---
17216870	9,657114	9,680429	9,614263	9,705696	9,619407	9,751113	9,650602	9,692072	0,04147	1,029161933	Ubxn4
17478549	8,099319	8,016289	8,122009	8,149925	8,094606	8,117507	8,0792057	8,120679333	0,04147367	1,029164548	Cyfip1
17476311	7,007165	7,067046	7,249069	6,938427	7,320323	7,188963	7,10776	7,149237667	0,04147767	1,029167402	Wdr62
17501363	6,409317	6,459442	6,570582	6,513415	6,450681	6,599695	6,4797803	6,521263667	0,04148333	1,029171444	---

17240199	7,859393	7,888304	7,769753	7,842107	7,957811	7,841988	7,83915	7,880635333	0,04148533	1,029172871	Nt5dc1
17335519	6,225368	6,135014	6,386277	6,310095	6,179085	6,381959	6,2488863	6,290379667	0,04149333	1,029178578	Fgd2
17396363	3,674284	3,941383	4,251475	3,891229	4,017358	4,083145	3,955714	3,997244	0,04153	1,029204735	---
17275001	11,08441	10,73424	11,04954	11,07985	10,94297	10,97001	10,956063	10,99761	0,04154667	1,029216625	---
17547711	6,737256	6,778073	6,451382	6,776281	6,639911	6,675248	6,6555703	6,697146667	0,04157633	1,02923779	---
17331598	7,840477	7,750603	7,467774	7,546601	7,862616	7,774368	7,6862847	7,727861667	0,041577	1,029238265	D16Ertd472e
17253700	5,949916	5,787341	5,923223	6,067197	5,783947	5,934068	5,8868267	5,928404	0,04157733	1,029238503	1810012P15Rik
17499255	9,161917	9,190878	9,115511	9,188555	9,218311	9,186187	9,156102	9,197684333	0,04158233	1,02924207	Cul4a
17256336	4,836154	4,979004	4,836154	4,704306	5,471042	4,600741	4,8837707	4,925363	0,04159233	1,029249204	Krtap9-5
17363136	4,898214	4,87831	4,76781	4,869151	5,201502	4,598482	4,8481113	4,889711667	0,04160033	1,029254912	---
17370883	4,919147	4,888294	4,782694	4,950283	4,971056	4,793649	4,8633783	4,904996	0,04161767	1,029267278	Kcnj3
17492466	7,364001	7,347423	7,554286	7,398816	7,405206	7,586543	7,4219033	7,463521667	0,04161833	1,029267753	2610034B18Rik
17405267	5,780711	5,517146	5,456341	5,698829	5,462251	5,717993	5,5847327	5,626357667	0,041625	1,02927251	6030405A18Rik
17446853	8,904633	8,912429	8,923831	9,008384	8,974381	8,88305	8,913631	8,955271667	0,04164067	1,029283687	Gtf3c2
17432713	3,344814	3,044138	3,201827	3,223863	3,311068	3,180785	3,1969263	3,238572	0,04164567	1,029287254	2610305D13Rik
17228398	5,837667	5,959018	5,863971	5,990151	5,990926	5,804532	5,8868853	5,928536333	0,041651	1,029291059	Lhx4
17465924	5,890138	5,580065	5,900884	5,830248	5,865336	5,800492	5,7903623	5,832025333	0,041663	1,029299621	Svopl
17283082	7,231421	7,401634	7,361623	7,288659	7,515428	7,315593	7,3315593	7,373226667	0,04166733	1,029302712	Lysmd1
17395003	4,781958	4,634411	4,425437	4,638739	4,722754	4,605327	4,6139353	4,655606667	0,04167133	1,029305566	---
17435592	4,981613	4,808289	5,166044	5,02262	4,909745	5,148663	4,9853153	5,027009333	0,041694	1,029321738	En2
17281354	10,24962	10,31807	10,2252	10,20958	10,34782	10,36067	10,264297	10,30602333	0,04172667	1,029345045	Sec23a
17437598	7,285917	7,345167	7,226698	7,296656	7,46886	7,217471	7,2859273	7,327662333	0,041735	1,029350991	061004O01Rik
17465632	7,238444	6,969964	7,21368	7,450704	7,136291	6,960333	7,140696	7,182442667	0,04174667	1,029359315	LOC434003
17341358	5,361103	5,045294	5,140114	5,139799	5,171454	5,360507	5,1821703	5,22392	0,04174967	1,029361455	---
17252980	6,81022	6,655684	7,006972	6,797348	6,716738	7,084102	6,824292	6,866062667	0,04177067	1,029376439	Scarf1
17299782	2,59259	2,817314	2,734844	2,737425	2,80296	2,729729	2,714916	2,756704667	0,04178867	1,029389282	---
17466452	6,98066	6,98066	6,477124	7,049708	6,6554	6,858702	6,8128147	6,854603333	0,04178867	1,029389282	Fam115a
17441524	4,038315	3,805459	3,895439	3,906035	3,981936	3,976631	3,913071	3,954867333	0,04179633	1,029394753	Hrk
17252070	9,136268	9,2539	9,298877	9,237281	9,326568	9,250587	9,2296817	9,271478667	0,041797	1,029395228	Psmb6
17494739	4,610418	4,290492	4,654494	4,672345	4,455216	4,55327	4,518468	4,560277	0,041809	1,029403791	Cyb5r2
17321895	5,322061	5,378617	5,518087	5,554879	5,394147	5,395174	5,406255	5,448066667	0,04181167	1,029405693	4732456N10Rik
17548294	5,421822	5,40775	5,633263	5,52786	5,515461	5,544954	5,4876117	5,529425	0,04181333	1,029406882	---
17548498	5,421822	5,40775	5,633263	5,52786	5,515461	5,544954	5,4876117	5,529425	0,04181333	1,029406882	---
17493351	9,265942	9,170773	9,21619	9,294727	9,317186	9,166533	9,217635	9,259482	0,041847	1,029430905	4632427E13Rik
17493906	3,962075	3,894306	3,957996	4,027492	3,999531	3,912901	3,9381257	3,979974667	0,041849	1,029432332	Art2a-ps
17435748	5,40119	5,372671	5,41107	5,452523	5,648325	5,209636	5,394977	5,436828	0,041851	1,029433759	Hadhb
17281885	4,674119	4,633406	4,760308	4,556005	4,813987	4,823432	4,6892777	4,731141333	0,04186367	1,029442797	Six4
17222566	5,241428	5,36608	5,382293	5,267896	5,610426	5,237139	5,3299337	5,371820333	0,04188667	1,029459209	---
17368855	7,789656	7,85952	7,832563	7,942359	7,877314	7,787834	7,8272463	7,869169	0,04192267	1,029484898	Rapgef1
17348223	10,07414	10,11767	10,10193	10,21781	10,19747	10,00423	10,097913	10,13983667	0,04192333	1,029485374	Rpl27 // Rpl27
17485376	5,152724	5,015137	5,011427	5,294219	4,953932	5,056915	5,0597627	5,101688667	0,041926	1,029487277	---
17423635	4,139394	3,791205	3,872893	4,006532	4,030864	3,891952	3,9344973	3,976449333	0,041952	1,02950583	1700025O08Rik
17468183	5,834712	5,667959	6,450457	5,672614	6,164298	6,242126	5,984376	6,026346	0,04197	1,029518675	Actg2
17548407	5,663017	5,850495	5,902345	5,735297	6,015326	5,791155	5,8052857	5,847259333	0,04197367	1,029521292	Gm7467
17352252	4,238081	4,286385	4,108088	4,395335	4,141311	4,221834	4,2108513	4,252826667	0,04197533	1,029522481	Neto1
17496555	8,140498	8,241491	8,186392	8,177138	8,185261	8,33196	8,1894603	8,231453	0,04199267	1,02953485	Maz
17473561	5,066126	5,000368	5,461048	5,170725	5,16172	5,321083	5,1758473	5,217842667	0,04199533	1,029536753	Zscan5b
17241799	5,538045	5,152281	5,505989	5,476964	5,761248	5,084109	5,3987717	5,440773667	0,042002	1,029541511	1700049L16Rik
17242401	6,55515	6,710773	6,632894	6,585716	6,71904	6,720082	6,632939	6,674946	0,042007	1,029545079	Aire
17290565	7,504141	7,578869	7,535008	7,549525	7,633011	7,561522	7,5393393	7,581352667	0,04201333	1,029549598	Mtr
17202261	6,889036	7,536002	7,604997	7,412406	7,171254	7,572416	7,343345	7,385358667	0,04201367	1,029549836	---
17407444	4,272046	4,062639	4,021879	3,911103	4,272046	4,299481	4,1188547	4,160876667	0,042022	1,029555783	Lce1d
17491939	3,873924	4,093747	4,246649	4,13001	3,984523	4,225859	4,07144	4,113464	0,04204	1,029557211	---
17291576	8,645649	8,679596	8,499629	8,6019	8,71815	8,630958	8,6082913	8,650336	0,04204467	1,029571959	Exoc2
17210389	2,927261	3,727518	3,403775	3,332148	3,459146	3,393407	3,3528513	3,394900333	0,042049	1,029575052	---
17324634	4,883723	4,623904	5,073123	4,982644	4,871803	4,852473	4,86025	4,902306667	0,04205667	1,029580523	1700025H01Rik
17352779	7,475042	7,676907	7,355311	7,413653	7,685071	7,534734	7,50242	7,544486	0,042066	1,029587184	Osbpl1a
17405099	8,583553	8,62454	8,583064	8,643219	8,638582	8,635575	8,5970523	8,639125333	0,042073	1,029592179	Elf2
17346387	7,359089	7,259164	7,403281	7,419584	7,419808	7,308393	7,3405113	7,382595	0,04208367	1,029599792	Mllt1
17249440	10,43994	10,41201	10,33533	10,40437	10,39331	10,51588	10,39576	10,43785333	0,04209333	1,02960669	Vdac1
17543781	3,929252	3,647281	3,786452	3,847543	3,874646	3,767094	3,7876617	3,829761	0,04209933	1,029610972	Nap1l2
17500301	7,078555	7,270101	7,368822	7,383525	7,216038	7,244215	7,2391593	7,281259333	0,0421	1,029611448	Gpr124
17221288	5,210627	5,074613	5,18351	5,160922	5,24993	5,184246	5,15625	5,198366	0,042116	1,029622867	Slco5a1
17366393	4,422621	4,537246	4,593972	4,544426	4,689295	4,446479	4,5179463	4,560066667	0,04212033	1,02962596	Acbd7
17450675	5,329337	5,074133	5,031362	5,401691	5,267636	4,891901	5,144944	5,187076	0,042132	1,029634286	4930428O21Rik
17266223	6,788824	6,61634	6,8958	6,713491	6,86866	6,845213	6,766988	6,809121333	0,04213333	1,029635238	Ankrd13b
17271568	6,052938	5,841051	5,81378	6,290577	5,747911	5,795745	5,9025897	5,944744333	0,04215467	1,029650463	Gm11681
17435422	8,608413	8,722589	8,439155	8,602729	8,622149	8,67177	8,5900523	8,632216	0,04216367	1,029656886	Nub1
17494150	4,835421	4,338583	4,674495	4,783255	4,699943	4,491812	4,6161663	4,658336667	0,04217033	1,029661644	Olfr575
17270740	7,420846	7,383883	7,361968	7,375042	7,420846	7,497342	7,388899	7,431076667	0,04217767	1,029666878	Strada
17251767	7,248946	7,298926	7,418317	7,465442	7,327897	7,29939	7,322063	7,364243	0,04218	1,029668544	Neurl4
17449862	5,301916	4,625448	4,849001	4,926648	4,898663	5,0776	4,925455	4,967637	0,042182	1,029669971	A430089I19Rik
17454450	6,687203	6,759619	6,986493	6,878852	6,818709	6,862379	6,811105	6,853313333	0,04220833	1,029688766	Ints1
17306857	8,638847	8,975415	8,820925	8,808969	8,880345	8,872499	8,811729	8,853937667	0,04220867	1,029689003	---
17383616	5,1614	5,427434	5,677307	5,551933	5,408013	5,432889	5,422047	5,464278333	0,04223133	1,029705181	Nup188
17365164	7,470581	7,759416	8,114588	8,017568	7,588878	7,864868	7,7815283	7,823771333	0,042243	1,029713508	---
17279764	5,338728	5,445541	5,420192	5,413905	5,437542	5,479748	5,401487	5,443731667	0,04224467	1,029714698	Efr3b
17334970	6,998633	7,298257	7,095065	7,088081	7,180212	7,250407	7,1306517	7,1729	0,04224833	1,029717315	Bnip1
17544754	7,673483	7,798161	7,810998	7,755092	7,780384	7,873924	7,7608807	7,803133333	0,04225267	1,029720408	Morf4l2
17234190	5,906235	5,025799	5,777865	5,784219	5,709298	5,343157	5,5699663	5,612224667	0,04225833	1,029724452	---
17518907	3,268895	2,954147	3,087138	3,124882	3,211057	3,101017	3,1033933	3,145652	0,04225867	1,02972469	---
17314233	8,344303	8,182791	8,177687	8,280332	8,362851	8,188381	8,234927	8,277188	0,042261	1,029726356	Alg10b
17550613	4,994459	5,175905	5,472127	5,164494	5,194054	5,410728	5,2141637	5,256425333	0,04226167	1,029726832	---
17408074	8,631567	8,505934	8,446418	8,663042	8,550164	8,497519	8,527973	8,570241667	0,04226867	1,029731828	Polr3gl
17474035	8,459239	8,543592	8,445434	8,388111	8,657314	8,529669	8,482755	8,525031333	0,04227633	1,0297373	Napa
17422066	5,986035	6,18394	6,204845	6,202348	6,285433	6,013887	6,12494	6,167222667	0,04228267	1,029741821	Plekhg5
17368710	5,895529	5,527788	5,952567	5,871472	5,791983	5,839296	5,7919613	5,834250333	0,042289	1,029746341	---
17458372	4,744165	4,630517	4,841032	4,837612	4,74478	4,760218	4,7385713	4,78087	0,04229867	1,029753241	Gimap7
17321630	7,25729	7,422698	7,213845	7,175002	7,477705	7,368047	7,2979443	7,340251333	0,042307	1,029759189	Lass5
17205365	7,246554	7,069625	7,742765	7,21827	7,605345	7,362363	7,3529813	7,395326	0,04234467	1,029786075	---
17353405	3,110483	3,21968	3,019518	3,164833	2,991019	3,32088	3,1165603	3,158910667	0,04235033	1,02979012	---
17547953	5,277783	5,556675	5,274137	5,55753	5,171491	5,50667	5,3695317	5,411897	0,04236533	1,029800827	Gm6958 // Gm6958
17231301	9,188765	9,324999	9,145765	9,164886	9,230074	9,391666	9,219843	9,262208667	0,04236567	1,029801065	Cr1l
17446145	6,504144	6,269913	6,602489	6,456596	6,698037	6,34903	6,4588487	6,501221	0,04237233	1,029805823	---
17435006	4,032366	3,989368	4,091412	3,922912	4,210204	4,107158	4,0377153	4,080091333	0,042376	1,029808441	---
17450387	8,614291	8,938737	8,974167	8,88298	8,839743	8,931604	8,8423983	8,884775667	0,04237733	1,029809392	Sparcl1
17309420	6,460543	6,342757	6,656295	6,361812	6,76299	6,461972	6,4865317	6,528924667	0,042393	1,029820575	Abcc4
17488176	5,833883	6,246582	6,111448	6,260764	5,837986	6,220355	6,063971	6,106368333	0,04239733	1,029823669	---
17430381	6,634522	6,503826	6,466378	6,794279	6,514756	6,422889	6,5349087	6,577308	0,04239933	1,029825096	Zbtb8b
17525738	5,118633	4,549913	5,470449	5,170751	5,297806	4,797641	5,0463317	5,088732667	0,042401	1,029826286	---
17313811	6,678219	6,828022	6,944211	7,056109	6,723815	6,797808	6,8168173	6,859244	0,04242667	1,029844608	Fbln1
17503593	4,278759	4,170811	4,219186	4,053162	4,567804	4,175093	4,2229187	4,265353	0,04243433	1,02985008	---
17479172	6,813489	6,908835	7,206599	7,106993	7,020326	6,928937	6,9763077	7,018752	0,04244433	1,029857219	Rgma
17531983	5,18978	5,095659	5,025124	5,220875	5,266429	4,950666	5,103521	5,14599	0,042469	1,029874827	---
17464210	8,22824	8,294847	8,169933	8,30736	8,319691	8,193421	8,2310067	8,273490667	0,042484	1,029885535	Lrmp
17541703	3,785721	3,20418	3,435728	3,468352	3,279141	3,805596	3,4752097	3,517696333	0,04248667	1,029887438	Mir18b
17440439	8,441566	8,423566	8,320922	8,412031	8,408555	8,492969	8,3953513	8,437851667	0,04250033	1,029897195	Ankle2
17538947	5,021692	4,900367	4,941613	5,004514	4,963857	5,022813	4,9545573	4,997061333	0,042504	1,029899812	3010001F23Rik // 3010001F23Rik
17227253	3,07704	3,027148	3,071472	3,132587	3,109415	3,06123	3,0585533	3,101077333	0,042524	1,02991409	Mir802
17452311	6,916496	7,086464	7,336535	7,19451	7,32411	6,948448	7,113165	7,135689333	0,04252433	1,029914328	Cux2
17211822	6,174728	6,152255	6,571801	6,243242	6,329611	6,453525	6,2995947	6,342126	0,04253133	1,029919325	Cnnm4
17465186	4,291608	4,346634	4,347777	4,52396	4,364401	4,225253	4,328673	4,371204667	0,04253167	1,029919563	Iqub
17267651	6,015527	5,883392	6,080122	6,067026	6,008093	6,031558	5,9930137	6,035559	0,04254533	1,029929319	Gm11497
17530863	6,484554	6,533913	6,708328	6,507642	6,717836	6,628999	6,5755983	6,618159	0,04256067	1,029940266	Mapkapk3
17388551	7,227374	7,424437	7,406994	7,300479	7,506043	7,379986	7,352935	7,395502667	0,04256767	1,029945263	Alkbh3
17237305	4,272896	4,347409	4,496431	4,21585	4,636214	4,392412	4,3722453	4,414825333	0,04258	1,029954068	Glipr1l2
17535159	3,508528	3,298378	3,409796	3,473247	3,425825	3,445375	3,4055673	3,448149	0,04258167	1,029955258	4931400O07Rik
17425900	5,893117	5,467115	5,132736	5,661455	5,425685	5,533587	5,497656	5,540242333	0,04258633	1,029958589	Mup13
17249328	7,574752	7,819567	7,840486	7,871309	7,766723	7,724585	7,744935	7,787539	0,042604	1,029971202	Agxt2l2
17212935	7,791357	7,530495	7,450321	7,529163	7,774579	7,596256	7,5907243	7,633332667	0,04260833	1,029974296	9430016H08Rik
17275589	4,954065	4,873594	5,187555	5,168479	5,141337	4,833259	5,0050713	5,047691667	0,04262033	1,029982863	Gm19990
17289304	9,174552	9,351498	9,213341	9,263101	9,242724	9,361443	9,2464637	9,289089333	0,04262567	1,02998667	Col4a3bp
17312944	7,866384	7,891415	7,718324	7,911016	7,891415	7,801611	7,8253743	7,868014	0,04263967	1,029996665	---
17548448	4,532719	4,63135	4,486804	4,540209	4,626197	4,612401	4,550291	4,592935667	0,04264467	1,030000235	4930421P07Rik
17405606	3,309584	3,377637	3,309126	3,319427	3,406698	3,398189	3,3321157	3,374771333	0,04265567	1,030008088	Vmn2r2
17419980	8,881155	8,930104	9,003844	9,18107	8,905761	8,856273	8,9383677	8,981034667	0,042667	1,03001618	Hmgcl
17345782	9,101283	9,163407	9,122894	9,242584	9,049574	9,223455	9,1291947	9,171871	0,04267633	1,030022843	Nfya
17454704	6,357438	6,557371	6,585345	6,412733	6,612174	6,603281	6,5000513	6,542729333	0,042678	1,030024033	Tnrc18
17458463	4,194088	4,073113	4,33361	4,506436	3,922211	4,300214	4,2002703	4,242953667	0,04268333	1,030027841	---
17383104	10,06697	10,10765	9,97654	9,843785	10,22389	10,21154	10,050387	10,09307167	0,042685	1,030029031	Agpat2
17502378	7,984315	8,220371	8,060771	8,000051	8,177874	8,215738	8,0884857	8,131221	0,04273533	1,030064968	Tpm4
17549608	6,351976	6,503439	6,187007	6,371446	6,46281	6,336373	6,347474	6,390209667	0,04273567	1,030065206	---
17479944	2,850495	2,87534	3,189808	3,06832	3,22961	2,745921	2,971881	3,014617	0,042736	1,030065444	Olfr295
17396792	3,592885	3,555688	3,482509	3,763301	3,375868	3,620138	3,543694	3,586435667	0,04274167	1,03006949	4930419G24Rik

17435643	4,196236	4,161364	4,217469	4,331475	4,250822	4,12101	4,1916897	4,234435667	0,042746	1,030072584	Rnf32
17424360	5,720065	5,459893	6,418692	6,937428	5,336144	5,453341	5,8662167	5,908971	0,04275433	1,030078534	4933409K07Rik // 4933409K07Rik
17434197	5,720065	5,459893	6,418692	6,937428	5,336144	5,453341	5,8662167	5,908971	0,04275433	1,030078534	4933409K07Rik // 4933409K07Rik
17380694	6,706352	6,686821	6,741539	6,767422	6,725834	6,769741	6,7115707	6,754332333	0,04276167	1,03008377	Gtpbp5
17331481	7,871041	7,92891	7,53347	7,78026	8,015578	7,665897	7,777807	7,820578333	0,04277133	1,030090672	Robo2
17228794	6,659957	7,117673	6,823802	6,964095	6,818258	6,947394	6,867144	6,909915667	0,04277167	1,03009091	Zbtb37
17390066	7,027691	6,905506	6,928451	7,0118	7,084747	6,893417	6,9538827	6,996654667	0,042772	1,030091148	Ehd4
17443725	5,015173	4,727198	4,778617	4,975704	4,810173	4,863456	4,8403293	4,883111	0,04278167	1,03009805	Smok3b
17214075	7,500368	7,416557	7,364043	7,350314	7,575743	7,483325	7,4269893	7,469794	0,04280467	1,030114472	Smarcal1
17323077	9,605008	9,506851	9,550662	9,372972	9,66184	9,756168	9,5541737	9,596993333	0,04281967	1,030125182	---
17200215	5,546228	6,009875	6,564658	6,174824	6,283201	5,791202	6,0402537	6,083075667	0,042822	1,030126849	---
17327016	3,646697	3,66823	3,495021	3,64025	3,73231	3,565888	3,603316	3,646149333	0,04283333	1,030134941	---
17243245	5,635774	5,410702	5,711771	5,513368	5,439714	5,933677	5,5860823	5,628919667	0,04283733	1,030137797	---
17201109	7,806571	7,887634	7,533339	7,206303	7,924604	8,22515	7,7425147	7,785352333	0,04283767	1,030138035	---
17242676	9,394871	9,277941	9,407131	9,466808	9,405951	9,335711	9,359981	9,402823333	0,04284233	1,030141367	Rnf126
17208767	7,128495	7,30836	7,377928	6,927469	7,557602	7,458299	7,2715943	7,314456667	0,04286233	1,030155648	---
17411647	8,157376	8,023363	8,24818	8,188681	8,184291	8,184547	8,142973	8,185839667	0,04286667	1,030158742	Chd7
17440232	4,179688	4,074833	4,267521	4,137056	4,307241	4,206346	4,174014	4,216881	0,042867	1,03015898	Pde6b
17200363	5,162896	5,28823	5,281208	5,611554	5,232814	5,016633	5,2441113	5,287000333	0,042889	1,03017469	---
17370705	5,845947	5,880848	5,709522	5,940993	5,865843	5,758152	5,8121057	5,854996	0,04289033	1,030175642	Lypd6
17211788	3,084843	3,611658	3,233192	3,233646	3,606259	3,218461	3,3098977	3,352788667	0,042891	1,030176118	---
17320079	5,314011	5,298332	5,402343	5,261918	5,72253	5,158916	5,3382287	5,381121333	0,04289267	1,030177308	Wnt7b
17319719	9,560939	9,354931	9,55058	9,509457	9,560702	9,524981	9,4888167	9,531713333	0,04289667	1,030180164	Tcf20
17466216	3,905326	4,167859	4,339111	4,256726	4,162485	4,121812	4,137432	4,180341	0,042909	1,030188971	Prss37
17326933	3,204809	3,445717	3,008774	3,315552	3,292984	3,179506	3,2197667	3,262680667	0,042914	1,030192541	Krtap6-3
17366170	7,508324	7,503057	7,651531	7,580635	7,619397	7,59164	7,554304	7,597224	0,04292	1,030196826	Csf2ra
17358098	4,070494	4,150394	3,948881	4,189608	3,979466	4,129514	4,0565897	4,099529333	0,04293967	1,030210869	E030003E18Rik
17277697	6,911956	7,005237	6,996983	7,152337	7,011773	6,878903	6,971392	7,014337667	0,04294567	1,030215154	Adck1
17337497	6,817759	6,578351	6,893359	6,82393	6,807723	6,786721	6,7631563	6,806124667	0,04296833	1,03023134	Zfp57
17509710	3,315707	3,177348	3,123753	3,241586	3,224888	3,279243	3,2056027	3,248572333	0,04296967	1,030232292	---
17505120	4,617774	4,347234	4,560659	4,51659	4,614812	4,523215	4,5085557	4,551539	0,04298333	1,030242052	---
17306491	4,325429	4,495187	4,256157	4,210986	4,663898	4,33084	4,3589243	4,401908	0,04298367	1,03024229	Homez
17532442	8,76418	9,000887	9,028896	9,064744	8,968832	8,889368	8,931321	8,974314667	0,04299367	1,030249431	Zfp445
17269769	8,607996	8,550766	8,598017	8,680007	8,674735	8,531018	8,585593	8,628586667	0,04299367	1,030249431	Fam134c
17431938	5,909034	5,715247	6,257024	6,087569	5,985282	5,937445	5,960435	6,003432	0,042997	1,030251811	Igsf21
17234347	9,916	10,13807	10,01081	10,04569	9,994692	10,1535	10,021627	10,06462733	0,04300067	1,03025443	Upb1
17209899	6,297057	6,20059	5,956483	6,398571	6,045807	6,138783	6,1513767	6,194387	0,04301033	1,030261333	---
17516518	7,556311	7,710084	7,517339	7,745582	7,533353	7,633847	7,594578	7,637594	0,043016	1,03026538	Mcam
17245085	5,337646	5,468038	5,615701	5,487953	5,545747	5,516776	5,473795	5,516825333	0,04303033	1,030275615	Kcnmb4
17326938	3,158231	2,92062	3,275267	3,066748	3,312518	3,103982	3,1180393	3,161082667	0,04304333	1,030284899	---
17445715	9,835425	9,770971	9,738597	9,729278	9,783649	9,961198	9,7816643	9,824708333	0,043044	1,030285375	Cd36
17285746	4,774747	5,153886	5,410806	4,953558	5,444201	5,07084	5,1131463	5,156199667	0,04305333	1,030292041	Hist1h2bn // Hist1h2bl // Hist1h2bj // Hi
17331543	7,452952	7,429258	7,466089	7,519105	7,593431	7,364951	7,449433	7,492495667	0,04306267	1,030298706	Samsn1
17243057	9,278625	9,374809	9,291192	9,342122	9,3494	9,382299	9,3148753	9,357940333	0,043065	1,030300372	Ap3d1
17341455	4,708356	4,918463	4,406963	4,835719	4,729669	4,597597	4,6779273	4,720995	0,04306767	1,030302277	Zfp40
17201467	2,930843	3,671842	3,650331	3,039324	3,717392	3,625504	3,417672	3,46074	0,043068	1,030302515	---
17545253	4,279108	4,185264	4,090281	4,237789	4,27646	4,169658	4,1848843	4,227969	0,04308467	1,030314417	---
17300239	2,836961	3,042713	3,066584	2,99789	3,039199	3,03843	2,982086	3,025173	0,043087	1,030316084	---
17435804	5,385923	5,483406	5,385923	5,352463	5,299358	5,732708	5,4184173	5,461509667	0,04309233	1,030319893	1700001C02Rik
17488845	6,390788	6,238164	6,46358	6,396259	6,473428	6,352148	6,3641773	6,407278333	0,043101	1,030326082	---
17201321	5,400536	5,635369	6,390718	5,905201	5,763083	5,887664	5,8088743	5,851982667	0,04310833	1,030331319	---
17532472	5,427007	5,76894	5,70003	5,657403	5,606203	5,76171	5,6319923	5,675105333	0,043113	1,030334652	Cdcp1
17202001	3,486821	3,796184	3,673265	3,880387	3,575593	3,629652	3,65209	3,695210667	0,04312067	1,030340127	---
17527123	12,68086	12,56554	12,73897	12,70004	12,73634	12,6784	12,66179	12,70492667	0,04313667	1,030351554	Acat1
17308727	7,115811	7,140117	6,877896	7,303178	7,020739	6,939323	7,044608	7,087746667	0,04313867	1,030352983	Gm4285
17411338	4,050424	4,101959	4,006413	4,06318	4,083066	4,142025	4,052932	4,096090333	0,04315833	1,030367028	Lhx8
17217844	2,958788	3,080298	2,986849	3,140631	3,047701	2,967088	3,008645	3,051806667	0,04316167	1,030369409	Mir181a-1
17525220	4,617372	4,873929	5,049952	4,855371	4,983748	4,831632	4,8470843	4,890250333	0,043166	1,030372504	---
17414110	2,826764	2,752312	2,973156	2,821918	3,110919	2,748903	2,850744	2,893913333	0,04316933	1,030374885	---
17235597	5,391317	5,270303	5,563915	5,476802	5,478965	5,399341	5,4085117	5,451702667	0,043191	1,030390359	2310050B05Rik
17202557	4,489612	4,522959	3,848944	4,535943	3,789583	4,665574	4,2871717	4,330366667	0,043195	1,030393216	---
17453402	5,436848	5,151655	5,380668	5,505609	5,424409	5,168763	5,323057	5,366260333	0,04320333	1,030399168	Syna
17391257	5,477184	5,353782	5,500775	5,552604	5,4826	5,426148	5,4439137	5,487117333	0,04320367	1,030399406	---
17236623	4,168593	4,350947	4,326565	4,312874	4,323238	4,339672	4,282035	4,325261333	0,04322633	1,030415595	Usp44
17541417	9,769142	9,669949	9,516819	9,62957	9,690126	9,765905	9,65197	9,695200333	0,04323033	1,030418452	Aifm1
17439590	9,076364	9,037949	8,926252	8,950117	9,097527	9,122639	9,0135217	9,056761	0,04323933	1,03042488	Cops4
17401578	6,722244	6,490263	6,735005	6,748834	6,752691	6,575709	6,6491707	6,692411333	0,04324067	1,030425832	Alx3
17400009	3,483103	3,042745	3,198967	3,016148	3,497526	3,340865	3,241605	3,284846333	0,04324133	1,030426308	Tdpoz4
17461978	6,363347	6,315249	6,023848	6,259318	6,3262	6,246659	6,234148	6,277392333	0,04324433	1,030428451	Cand2
17249584	3,541287	3,595613	3,489574	3,615134	3,594935	3,54614	3,542158	3,585403	0,043245	1,030428927	---
17420870	4,420282	4,18434	4,561985	4,363876	4,593389	4,339082	4,388869	4,432115667	0,04324667	1,030430118	4930515B02Rik
17447540	4,336305	3,978045	4,415524	4,423472	4,340552	4,095605	4,2432913	4,286543	0,04325167	1,030433689	4933401P06Rik
17415310	6,397115	6,09265	6,288679	6,363938	6,176694	6,367589	6,2594813	6,302740333	0,043259	1,030438927	Gm13288 // Gm13288
17481332	3,44252	3,357313	3,145951	3,494952	3,321608	3,259001	3,3152613	3,358520333	0,043259	1,030438927	Olfr663
17403463	7,234524	7,232006	7,142883	7,236467	7,271321	7,231427	7,2031377	7,246405	0,04326733	1,030444879	Syde2
17455700	3,353814	3,352656	3,355003	3,341151	3,456295	3,393846	3,3538243	3,397097333	0,043273	1,030448926	LOC384199
17395695	5,058164	4,733015	4,572662	4,577181	4,796741	5,11975	4,787947	4,831224	0,043277	1,030451783	---
17393527	6,419662	6,421814	6,541243	6,453532	6,577162	6,481902	6,4609063	6,504198667	0,04329233	1,030462735	Scand1
17516047	6,450092	6,416004	6,403417	6,395944	6,56847	6,435004	6,423171	6,466472667	0,04330167	1,030469402	Robo4
17497957	7,171191	7,102716	7,196877	7,155428	7,263891	7,181394	7,156928	7,200237667	0,04330967	1,030475116	Chid1
17204011	2,858603	3,000852	2,817064	2,946993	2,946993	2,912462	2,892173	2,935482667	0,04330967	1,030475116	---
17387844	3,700744	3,353	3,536129	3,270892	3,895843	3,553077	3,5299577	3,573270667	0,043313	1,030477497	Olfr1195
17427331	5,372264	5,045218	5,504847	5,592311	5,501609	4,958358	5,307443	5,350759333	0,04331633	1,030479878	Cyp2j13
17474105	8,118591	8,340073	8,149961	8,16768	8,178693	8,392222	8,202875	8,246198333	0,04332333	1,030484878	Zc3h4
17315490	5,46196	5,212805	5,287117	5,471805	5,373402	5,246654	5,3206273	5,363953667	0,04332633	1,03048702	Hoxc12
17210077	5,009112	4,640604	5,28246	4,757062	4,92051	5,3846	4,977392	5,020724	0,043332	1,030491068	---
17494160	4,356874	3,810848	4,029407	4,176577	4,12079	4,029831	4,0657097	4,109066	0,04335633	1,030508449	Olfr591
17332583	5,720923	5,860308	5,915306	5,83922	5,871817	5,915572	5,832179	5,875536333	0,04335733	1,030509163	Ripk4
17339561	7,787515	7,661933	7,730524	7,627273	7,875748	7,807122	7,7266573	7,770047667	0,04339033	1,030532735	Lclat1
17220122	9,025641	8,941051	8,847776	8,930194	8,97702	9,037433	8,938156	8,981549	0,043393	1,03053464	Parp1
17315465	6,251574	6,156775	6,577419	6,35674	6,36272	6,396489	6,3285893	6,371983	0,04339367	1,030535116	Tarbp2
17211223	5,974602	6,318487	5,614187	5,916808	5,969548	6,151103	5,969092	6,012486333	0,04339433	1,030535592	Xkr9
17391608	11,31078	11,38176	11,39643	11,3327	11,42965	11,45689	11,36299	11,40641333	0,04342333	1,030556308	Idh3b
17328728	4,415931	4,490118	4,584432	4,504845	4,462261	4,653681	4,496827	4,540262333	0,04343533	1,03056488	4930451C15Rik
17510726	6,862093	6,803136	6,501904	6,709252	6,674983	6,91325	6,7223777	6,765828333	0,04345067	1,030575833	Mmaa
17340899	12,6469	12,73721	12,85228	12,84303	12,79857	12,72515	12,745463	12,78891667	0,04345333	1,030577738	---
17339799	3,037701	2,951204	2,89488	2,938117	3,127271	2,948804	2,9612617	3,004730667	0,043469	1,030588929	---
17338203	6,055677	6,100742	6,26857	5,923922	6,322669	6,308812	6,141663	6,185134333	0,04347133	1,030590596	Prph2
17440826	5,470615	5,617099	5,56622	5,725984	5,286531	5,771847	5,5513113	5,594787333	0,043476	1,03059393	Acacb
17550434	3,440407	3,471279	3,50703	3,595049	3,558805	3,395314	3,4729053	3,516389333	0,043484	1,030599645	---
17394829	7,446622	7,306976	7,318038	7,407795	7,465553	7,328751	7,357212	7,400699667	0,04348767	1,030602264	Atp9a
17508161	9,083817	9,219063	9,173567	9,09069	9,233449	9,282818	9,1588157	9,202319	0,04350333	1,030613456	Golga7
17292753	5,300688	5,733988	5,588545	5,467451	5,579074	5,707248	5,5410737	5,584591	0,04351733	1,030623457	Gprin1
17507131	4,110964	4,082096	4,261442	4,18803	4,257764	4,139265	4,1515007	4,195019667	0,043519	1,030624647	Fcer2a
17511953	6,30795	6,379577	6,603954	6,474869	6,596436	6,350736	6,4304937	6,474013667	0,04352	1,030625362	Cngb1
17510040	7,190873	6,622455	6,606532	6,760405	6,940311	6,849708	6,80662	6,850141333	0,04352133	1,030626314	Crtc1
17203311	4,130555	4,696722	4,65155	5,222291	4,073946	4,313174	4,4929423	4,536470333	0,043528	1,030631077	---
17448295	4,521581	4,571059	4,645401	4,400119	4,615073	4,853436	4,579347	4,622876	0,043529	1,030631791	Rpl9
17359742	7,677763	7,898805	7,726405	7,852831	7,833114	7,747676	7,7676577	7,8112207	0,04354933	1,030646317	Fam178a
17372974	5,161929	5,251837	5,246829	5,308695	5,253095	5,229484	5,2201983	5,263758	0,04355967	1,030653699	Olfr1506
17388030	5,161929	5,251837	5,246829	5,308695	5,253095	5,229484	5,2201983	5,263758	0,04355967	1,030653699	Olfr1506
17326555	4,194994	4,223399	4,145094	4,264898	4,318189	4,111082	4,187829	4,231389667	0,04356067	1,030654413	---
17438320	9,580457	9,886376	9,985707	9,651911	10,01503	9,916308	9,8175133	9,861083	0,04356967	1,030660843	---
17363152	3,365164	3,199723	3,081503	3,294114	3,470232	3,012798	3,2154633	3,259048	0,04358467	1,030671559	Olfr1472
17273796	3,260077	3,52037	3,272542	3,207689	3,613446	3,362615	3,3509963	3,394583333	0,043587	1,030673226	---
17240231	6,046321	5,801293	5,804966	5,801399	6,059649	5,922327	5,8841933	5,927791667	0,04359833	1,030681323	---
17549672	3,774076	3,993997	4,193615	3,886802	4,054784	4,150905	3,9872293	4,030830333	0,043601	1,030683228	---
17415305	6,379709	6,097036	6,285808	6,310807	6,26366	6,318904	6,2541843	6,297790333	0,043606	1,0306868	Gm13288 // Gm13288
17207703	3,843499	4,074519	3,997463	3,749715	4,513431	3,783156	3,971827	4,015434	0,043607	1,030687514	---
17355443	5,234409	4,984311	5,139446	5,12411	5,157046	5,207839	5,1193887	5,162998333	0,04360967	1,030689419	Lipg
17529381	4,427117	4,2698	4,239029	4,407644	4,304518	4,354622	4,311982	4,355594667	0,04361267	1,030691563	---
17412854	10,43998	10,24891	10,45784	10,31135	10,4624	10,50385	10,382243	10,42586667	0,04362333	1,030699183	---
17242296	7,445072	7,669772	7,673223	7,646379	7,627625	7,644933	7,5960223	7,639645667	0,04362333	1,030699183	1810008A18Rik
17400216	6,47014	6,626009	6,487586	6,46623	6,620249	6,62815	6,5279117	6,571543	0,04363133	1,030704899	4930481B07Rik
17237952	6,976153	6,821046	6,934642	7,038281	7,001156	6,823308	6,9106137	6,954248333	0,04363467	1,03070728	F420014N23Rik
17497649	3,878468	3,560377	4,010438	4,055995	3,762809	3,761399	3,8164277	3,860067667	0,04364	1,03071109	Olfr532
17290010	4,85569	4,837221	4,933798	4,902838	4,859766	4,995087	4,8755697	4,919230333	0,04366067	1,030725855	Esm1
17347913	4,373985	4,732732	4,703285	4,749235	4,740911	4,450841	4,603334	4,646995667	0,04366167	1,03072657	4833418N02Rik
17519056	3,184728	3,074172	3,156488	3,176642	3,335064	3,034672	3,1384627	3,182126	0,04366333	1,030727761	---
17482766	8,026513	8,073062	7,852692	8,053132	7,911979	8,118188	7,984089	8,027766333	0,04367733	1,030737763	Prkcb
17203029	6,858552	7,165155	7,11753	7,477549	6,998645	6,796128	7,047079	7,090774	0,043695	1,030750385	---
17541440	8,154877	8,220816	8,146029	8,161089	8,244871	8,246852	8,1739073	8,217604	0,04369667	1,030751576	Zfp280c
17361002	4,641605	4,352668	4,758623	4,512873	4,648679	4,722454	4,5842987	4,628002	0,04370333	1,030756339	Chka
17533922	7,992589	7,661933	7,474559	7,833953	7,49809	7,928166	7,7096937	7,753403	0,04370933	1,030760626	---

17451721	10,21281	10,18533	9,96981	10,23268	9,88757	10,3789	10,12265	10,16638333	0,04373333	1,030777773	Gatc	
17368981	8,869118	8,631203	8,970648	8,985001	8,905396	8,711781	8,8236563	8,867392667	0,04373633	1,030779916	Gle1	
17448643	2,613672	3,250068	2,956412	2,898277	3,069112	2,983991	2,9400507	2,983793333	0,04374267	1,030784442	---	
17387517	12,11652	12,26218	12,05563	12,15765	12,2222	12,18571	12,144777	12,18852	0,04374333	1,030784918	Serping1	
17466101	8,760912	8,675562	8,653958	8,805189	8,805335	8,611156	8,6968107	8,74056	0,04374933	1,030789205	Slc37a3	
17417844	10,65302	10,52495	10,95765	10,61728	10,86753	10,78206	10,711873	10,75562333	0,04375	1,030789681	Slc2a1	
17487833	6,578273	6,62094	6,746782	6,74053	6,596426	6,740309	6,648665	6,692421667	0,04375667	1,030794444	Grik5	
17464608	5,11212	4,9458	4,900742	5,083298	5,063232	4,943421	4,9862207	5,029983667	0,043763	1,030798969	---	
17508166	9,555286	9,60024	9,686098	9,567656	9,688905	9,716402	9,6138747	9,657654333	0,04377967	1,030810878	---	
17368646	6,683764	6,821798	6,844409	6,736929	6,910544	6,833838	6,7833237	6,827103667	0,04378	1,030811116	Olfm1	
17530900	4,734871	4,63265	4,760281	4,585976	4,86757	4,805608	4,7092673	4,753051333	0,043784	1,030813974	---	
17202815	5,860539	5,596952	6,190252	6,104838	5,839016	5,835267	5,882581	5,926373667	0,04379267	1,030820166	---	
17210083	6,30713	6,724585	5,573171	6,429206	6,018907	6,288183	6,2016287	6,245432	0,04380333	1,030827788	---	
17337936	7,628104	7,547242	7,708869	7,580235	7,631656	7,803735	7,6280717	7,671875333	0,04380367	1,030828026	Slc35b2	
17547698	11,59961	11,64007	11,62575	11,51608	11,74929	11,73148	11,62181	11,66561667	0,04380667	1,03083017	Cox6c // Cox6c	
17267021	8,723873	8,828973	8,74287	8,687345	8,877304	8,86252	8,7652387	8,809056333	0,04381767	1,030838029	Aatf	
17458158	3,536439	3,588594	3,127687	3,473768	3,459132	3,451302	3,4175733	3,461400667	0,04382733	1,030844936	---	
17359868	6,108767	6,686511	6,554138	6,30135	6,598304	6,581302	6,4498053	6,493652	0,04384667	1,030858751	Mgea5 // Mgea5	
17233147	5,951588	6,289176	6,085957	6,319757	5,969398	6,169145	6,108907	6,152766667	0,04385967	1,03086804	---	
17379116	3,842647	4,074938	4,252864	4,249606	4,12548	3,926943	4,0568163	4,100676333	0,04386	1,030868278	9430021M05Rik	
17537808	3,9669	3,911638	3,982175	4,031661	3,955838	4,004864	3,953571	3,997454333	0,04388333	1,030884951	Prame	
17544604	3,9669	3,911638	3,982175	4,031661	3,955838	4,004864	3,953571	3,997454333	0,04388333	1,030884951	Prame	
17204575	4,766448	5,485378	5,119609	5,215246	5,493567	4,794277	5,1238117	5,167696667	0,043885	1,030886142	---	
17360301	3,882605	3,816289	3,902263	3,811824	3,899765	4,021225	3,8670523	3,910938	0,04388567	1,030886618	Ins1	
17523190	9,749988	9,796172	9,920019	9,867787	10,01631	9,713745	9,8220597	9,865947333	0,04388767	1,030888047	Snora62	
17212423	7,250239	7,346806	7,298679	7,204296	7,437769	7,385324	7,2985747	7,342463	0,04388833	1,030888523	Ercc5	
17334406	5,02493	5,015544	5,065102	5,101186	5,172753	4,963302	5,035192	5,079080333	0,04388833	1,030888523	Rpl3l	
17200309	4,111714	4,240884	4,592663	4,31952	4,26786	4,489552	4,315087	4,358977333	0,04389033	1,030889953	---	
17291881	8,66083	8,773224	9,051723	8,843904	8,995724	8,777869	8,8285923	8,872499	0,04390667	1,030901624	F13a1	
17497641	3,249178	3,259511	3,394104	3,418235	3,2954	3,320915	3,300931	3,34485	0,043919	1,030910437	Olfr60	
17291613	3,420969	3,610248	3,412053	3,434441	3,571014	3,569618	3,48109	3,525024333	0,04393433	1,030921394	4930401O12Rik	
17202099	3,802341	3,9338	4,62297	3,923511	4,320176	4,247235	4,1197037	4,163640667	0,043937	1,030923299	---	
17480757	6,936764	6,726951	6,887197	6,872415	6,820177	6,990133	6,850304	6,894241667	0,04393767	1,030923776	Chchd8	
17384082	6,923368	6,918917	6,986695	6,993556	6,957694	7,009583	6,9429933	6,986944333	0,043951	1,030933303	Slc2a8	
17454278	3,57089	3,709275	3,347051	3,653194	3,675419	3,43049	3,5424053	3,586367667	0,04396233	1,030941402	Gm454	
17510338	7,669215	7,699781	7,189291	7,625201	7,578023	7,486975	7,519429	7,563399667	0,04397067	1,030947357	Plvap	
17208727	6,757816	6,77738	5,045054	5,953828	6,391734	6,366617	6,1934167	6,237393	0,04397633	1,030951406	---	
17346125	6,128408	6,064474	6,484534	6,294941	6,172488	6,341922	6,2258053	6,269783667	0,04397833	1,030952836	Plin4	
17512342	6,116321	6,410897	6,412775	6,399162	6,385376	6,28739	6,313331	6,357309333	0,04397833	1,030952836	Tradd	
17204667	3,638768	3,82551	4,208375	3,656681	4,469218	3,678698	3,8908843	3,934865667	0,04398133	1,030954979	---	
17285725	4,719867	4,600525	4,808396	4,724241	4,881547	4,655089	4,709596	4,753625667	0,04402967	1,030989519	Pom121l2	
17358119	8,904411	8,957026	8,946664	8,933618	9,078794	8,927797	8,9360337	8,980069667	0,044036	1,030994045	Zfand5	
17460747	4,549459	3,858661	4,008898	4,163226	3,840088	4,545831	4,139006	4,183048333	0,04404233	1,030998571	Vmn1r40	
17437554	2,887847	2,791285	2,8844	2,828216	2,920125	2,947401	2,8545107	2,898580667	0,04407	1,031018343	---	
17240309	6,278305	6,141136	6,037539	6,308782	6,001027	6,279432	6,1523267	6,196413667	0,044087	1,031030492	BC021785	
17315993	8,134891	8,408154	8,185806	8,295545	8,295625	8,269967	8,2429503	8,287045667	0,04409533	1,031036447	Rai14	
17375257	5,61973	5,52581	5,678064	5,585493	5,737451	5,632967	5,607868	5,651970333	0,04410233	1,03104145	Ckmt1	
17252357	4,353026	4,836742	4,419895	4,715555	4,640669	4,385759	4,5365543	4,580661	0,04410667	1,031044547	---	
17323457	12,73044	12,71334	12,72109	12,80811	12,74678	12,74231	12,721623	12,76573333	0,04411	1,031046929	Serpind1	
17261006	5,182909	4,743403	5,435662	5,059563	5,453572	4,981196	5,120658	5,164777	0,044119	1,031053361	---	
17459744	4,151979	4,238468	4,203025	4,1871	4,203025	4,335757	4,197824	4,241960667	0,04413667	1,031065987	Reg3b	
17520231	3,912339	3,878264	3,780497	3,791386	4,157218	3,754915	3,8570333	3,901173	0,04413967	1,031068131	---	
17205115	8,321695	8,350298	8,576046	8,714891	8,39131	8,274285	8,416013	8,460162	0,044149	1,031074802	---	
17209305	8,321695	8,350298	8,576046	8,714891	8,39131	8,274285	8,416013	8,460162	0,044149	1,031074802	---	
17337892	9,397941	9,772284	9,559742	9,287277	9,664875	9,910299	9,5766557	9,620817	0,04416133	1,031083616	---	
17387900	4,822651	4,878534	4,690952	4,541724	5,126112	4,856815	4,797379	4,841550333	0,04417133	1,031090763	Olfr1222	
17289632	4,873755	4,854399	4,606949	4,882989	4,890827	4,693809	4,7783677	4,822541667	0,044174	1,031092669	---	
17374192	3,576968	3,613642	3,305937	3,463285	3,783515	3,38227	3,498849	3,543023333	0,04417433	1,031092907	Olfr1288	
17448166	7,648983	7,350313	7,543381	7,838663	7,660363	7,176213	7,5142257	7,558413	0,04418733	1,031102198	---	
17535344	8,043033	8,089087	8,186897	8,20079	8,068996	8,181812	8,106339	8,150532667	0,04419367	1,031106725	Hmgb3	
17536773	8,719696	8,80098	8,690805	8,775008	8,777238	8,791838	8,7371603	8,781361333	0,044201	1,031111966	Taf1	
17528958	4,806455	4,323959	4,74702	4,705036	4,70643	4,598606	4,6258113	4,670024	0,04421267	1,031120304	5730403I07Rik	
17460124	5,78797	5,666139	5,477553	5,600509	5,778117	5,685695	5,6438873	5,688107	0,04421967	1,031125307	Ankrd53	
17212908	4,444346	4,350034	4,724487	4,321421	4,770546	4,559563	4,506289	4,55051	0,044221	1,03112626	Plcl1	
17218147	3,477275	3,381346	3,332698	3,493914	3,405793	3,424285	3,3971063	3,441330667	0,04422433	1,031128643	---	
17278388	5,693157	5,778346	5,971673	5,938305	5,856908	5,780638	5,814392	5,858617	0,044225	1,031129119	2810011L19Rik	
17278410	8,203599	7,869092	7,744554	8,111933	8,052074	7,785929	7,9390817	7,983312	0,04423033	1,031132931	4933433P14Rik	
17547765	5,812742	6,221112	5,823235	6,013349	5,943521	6,032943	5,952363	5,996604333	0,04424133	1,031140793	Gm2386	
17251257	4,147841	4,449461	4,50199	4,475624	4,452798	4,303627	4,3664307	4,410683	0,04425233	1,031148655	Gm12302	
17473910	4,043525	4,707336	4,371629	4,387471	4,515843	4,351977	4,3741633	4,418430333	0,044267	1,031159138	---	
17392621	6,192205	5,988477	6,133224	6,381952	5,88147	6,183311	6,1046353	6,148911	0,04427567	1,031165333	---	
17248646	5,860529	5,622983	5,67299	5,782843	5,775553	5,730947	5,718834	5,763114333	0,04428033	1,031168668	---	
17302885	5,760517	5,301628	5,247412	5,399194	5,528878	5,514329	5,436519	5,480800333	0,04428133	1,031169383	---	
17204149	4,778146	5,171285	4,829031	5,398194	5,133615	4,379536	4,926154	4,970448333	0,04429433	1,031178675	---	
17476239	5,671821	5,753693	5,655658	5,79796	5,659675	5,756423	5,693724	5,738019333	0,04429533	1,031179389	---	
17426117	5,06711	5,016054	4,934082	4,975039	5,081646	5,093467	5,0057487	5,050050667	0,044302	1,031184154	Zfp37	
17236798	3,635722	3,520347	3,60303	3,620188	3,740067	3,53178	3,5863663	3,630678333	0,044312	1,031191302	Mir3966	
17336318	6,693875	6,611423	6,527931	6,608358	6,838288	6,519547	6,6110763	6,655397667	0,04432133	1,031197973	Gm19436	
17279516	5,479166	5,364763	5,605855	5,376749	5,613117	5,592883	5,4832613	5,527583	0,04432167	1,031198212	4930427A07Rik	
17481240	3,756585	3,917581	3,932657	3,86551	4,005574	3,868706	3,868941	3,913263333	0,04432233	1,031198688	Olfr631	
17521727	7,11213	7,130943	7,090981	7,159428	7,219344	7,088305	7,1113513	7,155692333	0,044341	1,031212031	Lamb2	
17512572	6,554519	7,112282	7,242791	7,018901	7,163407	6,860321	6,969864	7,014209667	0,04434567	1,031215366	Slc12a4	
17229121	4,160002	4,236267	4,103749	4,257111	4,286568	4,089407	4,1666727	4,211028667	0,044356	1,031222752	Mettl11b	
17371201	9,388181	9,388558	9,090591	9,364133	9,217311	9,418973	9,28911	9,333472333	0,04436233	1,031227279	Gca	
17463347	5,372714	5,580852	5,801311	5,472193	5,639479	5,776325	5,584959	5,629332333	0,04437333	1,031235142	9330179D12Rik	
17418581	5,211493	5,138796	5,021938	5,103253	5,16786	5,234238	5,1240757	5,168450333	0,04437467	1,031236095	Col8a2	
17349977	11,69484	12,23213	11,89725	11,91855	11,90476	12,13406	11,941407	11,98579	0,04438333	1,03124229	---	
17548252	4,100191	4,174088	4,006956	4,174088	4,165116	4,075249	4,093745	4,138151	0,044406	1,031258492	Gm9916	
17417647	3,826891	3,989077	4,145782	4,157251	4,065036	3,872718	3,98725	4,031668333	0,04441833	1,031267308	Tctex1d4	
17206675	4,160431	4,040433	4,101751	4,53784	3,962415	3,93564	4,1008717	4,145298333	0,04442667	1,031273265	---	
17324665	10,33448	10,45826	10,38912	10,35427	10,29081	10,67008	10,393953	10,43838667	0,04443333	1,031278031	---	
17551159	12,17562	12,29749	12,19042	12,2514	12,26542	12,28004	12,221177	12,26562	0,04444333	1,031285179	---	
17325892	4,364836	4,585857	4,474608	4,296182	4,409927	4,852563	4,4751003	4,519557333	0,044457	1,031294949	Cd200r3	
17283604	6,492898	6,660538	6,608184	6,683682	6,679107	6,532269	6,5872067	6,631686	0,04447933	1,031310913	Serpina1b	
17455787	3,864257	3,752701	3,447443	3,898773	3,725395	3,573682	3,6881337	3,732616667	0,044483	1,031313535	Gngt1	
17301818	4,132541	4,191027	4,088328	4,146239	4,232413	4,166716	4,1372987	4,181789333	0,04449067	1,031319015	2410012E07Rik	
17511927	6,686849	6,717411	6,777421	6,746455	6,757572	6,811129	6,727227	6,771718667	0,04449167	1,03131973	Kifc3	
17216087	7,470041	7,515655	7,472278	7,560498	7,496007	7,534975	7,4859913	7,530493333	0,044502	1,031327117	Ing5	
17543587	6,735543	6,655239	6,462949	6,696438	6,757294	6,533518	6,6179103	6,662416667	0,04450633	1,031330215	Zmym3	
17229159	3,701592	3,771319	3,644198	3,700755	3,844768	3,705108	3,705703	3,750210333	0,04450733	1,031330929	---	
17386770	7,135743	7,047972	6,807909	6,892945	7,067508	7,164755	6,997208	7,041736	0,044528	1,031345703	Fkbp7	
17293083	6,369274	6,2597	6,447824	6,270429	6,534631	6,405325	6,3589327	6,403461667	0,044529	1,031346418	Mir874	
17266885	9,690228	9,644808	9,432677	9,359715	9,618625	9,922973	9,5892377	9,633771	0,04453333	1,031349516	Slfn14-ps	
17396343	3,26632	2,922925	3,274866	3,332694	3,216559	3,048464	3,1547037	3,199239	0,04453533	1,031350946	---	
17231600	3,787058	3,784124	3,836634	3,838826	3,840538	3,862113	3,8026053	3,847159	0,04455367	1,031364052	Mir5104	
17200749	7,308385	7,366968	7,898297	7,69262	7,539199	7,475511	7,52455	7,56911	0,04456	1,03136858	---	
17235087	6,783095	6,970093	7,237476	7,095463	7,061833	6,967062	6,996888	7,041452667	0,04456467	1,031371916	Abca7	
17337591	3,480187	3,351964	3,508929	3,402868	3,554002	3,517965	3,4470267	3,491611667	0,044585	1,031386452	Olfr121	
17523257	10,15515	10,08572	10,11351	10,14981	10,24796	10,09037	10,118127	10,16271333	0,04458667	1,03138764	Ctnnb1	
17437801	3,671591	3,524226	3,299747	3,673299	3,453583	3,50245	3,4985213	3,543110667	0,04458933	1,03138955	---	
17468573	7,063301	7,239742	7,101394	7,177497	7,162115	7,198593	7,1348123	7,179401667	0,04458933	1,03138955	Antxr1	
17426517	7,795122	7,660639	7,7514	7,834611	7,921221	7,585125	7,7357203	7,780319	0,04459867	1,031396222	Tle1	
17489971	4,738295	4,668889	4,62534	4,773291	4,611914	4,781124	4,677508	4,722109667	0,04460167	1,031398367	Gm5114	
17206401	4,450448	5,371745	5,696637	5,368956	4,88597	5,39773	5,1729433	5,217552	0,04460867	1,031403372	---	
17210231	4,990087	3,429794	4,184428	4,645841	3,447633	4,644663	4,2014363	4,246045667	0,04460933	1,031403848	---	
17520905	8,706675	8,821779	8,590121	8,619473	8,819067	8,813896	8,7061917	8,750812	0,04462033	1,031411712	Slco2a1	
17393019	5,466946	5,392214	6,00238	5,684949	5,730811	5,579654	5,6205133	5,665138	0,04462467	1,03141481	Ttll9	
17309349	3,289164	2,855172	3,013305	3,028836	3,174241	3,088445	3,052547	3,097174	0,044627	1,031416478	---	
17246743	6,090383	6,003396	6,383787	6,362227	6,13767	6,111565	6,1591887	6,203820667	0,044632	1,031420053	Rnf215	
17490622	10,97024	11,24635	11,33279	11,25022	11,30603	11,12707	11,183127	11,22777333	0,04464667	1,031430539	Snord35a	
17325069	8,718132	8,479964	8,226378	8,495378	8,550817	8,512233	8,4748247	8,519476	0,04465133	1,031433875	Heg1	
17467410	6,577758	6,60004	6,842179	6,737615	6,612576	6,803743	6,6733257	6,717978	0,04465233	1,03143459	---	
17363372	3,165143	2,766211	2,839481	2,924434	2,929004	3,051366	2,9236117	2,968268	0,04465633	1,03143745	---	
17542836	6,531722	6,619813	6,64897	6,713222	6,483108	6,73815	6,6001683	6,644826667	0,04465833	1,031438888	4933407K13Rik	
17540962	6,856445	6,56092	6,759115	6,770759	6,956095	6,583649	6,7254933	6,770167667	0,04467433	1,031450319	C330007P06Rik	
17309412	6,576977	6,51923	6,737326	6,675165	6,842429	6,450059	6,6111777	6,655884333	0,04470667	1,031473436	Sox21	
17446994	4,388563	4,3733	4,380561	4,45493	4,345281	4,476365	4,380808	4,425525333	0,04471733	1,031481062	4930548H24Rik // 4930548H24Rik	
17250392	5,237148	5,42082	5,549814	5,426473	5,401338	5,514131	5,402594	5,447314	0,04472	1,031482968	Myo15	
17446507	4,858402	4,66414	4,788282	4,956076	4,805816	4,683097	4,7702747	4,814996333	0,04472167	1,03148416	Gm10220	
17200313	2,997378	3,649474	3,887706	3,375032	3,876666	3,417034	3,5115193	3,556244	0,04472467	1,031486305	---	
17230273	7,815376	7,654765	8,031342	7,936123	7,91682	7,782714	7,8338277	7,878552333	0,04472467	1,031486305	4930527J03Rik	
17325651	7,747944	8,031728	7,592862	7,904226	7,791023	7,81146	7,7908447	7,835569667	0,044725	1,031486543	Igsf11	
17482095	8,531162	8,481335	8,477708	8,546407	8,599651	8,478325	8,496735	8,541461	0,04472667	1,031487258	Nucb2	
17409229	5,244602	4,969522	5,257569	5,187639	5,132469	5,285783	5,157231	5,201963667	0,04473267	1,031492025	Gpr61	

17393160	7,248011	7,529408	7,568476	7,578558	7,492344	7,4092	7,4486317	7,493367333	0,04473567	1,03149417	E2f1
17392748	6,712685	6,631747	6,908348	6,735557	6,892613	6,75884	6,7509267	6,79567	0,04474333	1,031499651	Ninl
17549782	5,244996	5,510123	5,349196	5,48368	5,519194	5,235674	5,368105	5,412849333	0,04474433	1,031500366	---
17527411	3,437925	3,326612	3,259941	3,401254	3,474867	3,282651	3,3414927	3,386257333	0,04476467	1,031514904	Rfpl3s
17342664	9,193102	9,335962	9,358568	9,3578	9,287874	9,376268	9,2958773	9,340647333	0,04477	1,031518718	Cuta
17265164	6,115086	6,129166	6,001159	5,904404	6,214705	6,260633	6,0818037	6,126580667	0,044777	1,031523722	Bcl6b
17519738	4,60478	4,288631	4,447205	4,634816	4,381154	4,459018	4,446872	4,491662667	0,04479067	1,031533494	Cd109
17365700	5,57243	5,389734	5,653696	5,796746	5,465277	5,488221	5,53862	5,583414667	0,04479467	1,031536354	5830416P10Rik
17360585	8,539297	8,52714	8,492056	8,513115	8,542587	8,63726	8,5194977	8,564320667	0,044823	1,031556613	Nhlrc2
17253181	3,571431	3,532578	3,594514	3,479767	3,757823	3,595406	3,5661743	3,610998667	0,04482433	1,031557566	Tmigd1
17314061	7,924988	7,973053	7,722309	7,969576	7,97537	7,809918	7,87345	7,918288	0,044838	1,031567338	Trabd
17242177	7,873194	8,408037	8,268052	8,095884	8,380367	8,207566	8,1830943	8,227939	0,04484467	1,031572105	Col6a1
17254974	6,459791	6,593368	6,530529	6,656207	6,448362	6,613667	6,527896	6,572745333	0,04484933	1,031575442	Msi2 // Msi2
17379623	6,193887	6,063616	6,292898	6,264375	6,26126	6,159359	6,183467	6,228331333	0,04486433	1,031586168	Slc12a5
17201291	5,25031	5,253273	5,609428	5,797183	5,289762	5,160666	5,3710037	5,415870333	0,04486667	1,031587836	---
17467392	6,916393	6,394263	6,747818	6,994783	6,411124	6,787194	6,686158	6,731033667	0,04487567	1,031594271	---
17548991	3,147745	3,139731	2,950908	3,161658	3,085753	3,125639	3,0794613	3,12435	0,04488867	1,031603567	Gtf2a1 // Gtf2a1
17548563	5,559556	5,13624	5,461971	5,486008	5,381092	5,425393	5,3859223	5,430831	0,04490867	1,031617868	Gm10388
17275909	9,673841	9,800282	9,735757	9,709108	9,827194	9,80842	9,7366267	9,781574	0,04494733	1,031645518	Klhdc2
17273812	5,924347	5,855144	6,117816	6,052726	5,894906	6,084555	5,965769	6,010729	0,04496	1,031654575	BC068281
17417349	7,760002	7,824807	7,662905	7,628779	7,955615	7,798218	7,749238	7,794204	0,044966	1,031658866	Lrrc41
17472406	3,336937	3,287844	3,53195	3,209865	3,627667	3,454161	3,385577	3,430564333	0,04498733	1,031674121	Gm6614
17200175	5,659026	6,106139	6,423728	5,895591	6,001987	6,426351	6,0629643	6,107976333	0,045012	1,031691761	---
17493916	6,842069	6,926716	6,711967	6,747973	6,900759	6,967233	6,8269173	6,871988333	0,045071	1,031733953	Inppl1
17377041	7,59901	7,560246	7,551619	7,563415	7,604313	7,678374	7,5702917	7,615367333	0,04507567	1,031737291	Csrp2bp
17432770	6,903167	6,934931	6,688019	6,823659	6,960633	6,877054	6,842039	6,887115333	0,04507633	1,031737767	Gm13157
17480652	7,696444	7,751798	7,607957	7,699213	7,733276	7,758984	7,6853997	7,730491	0,04509133	1,031748495	Pgm2l1
17454995	6,196548	5,787923	6,146171	6,205137	5,994105	6,066781	6,0435473	6,088674333	0,045127	1,031774002	Tmem130
17478601	7,792718	8,021401	7,904176	7,944256	7,943828	7,965598	7,9060983	7,951227333	0,045129	1,031775432	Herc2
17267504	5,51912	5,404166	5,922307	5,772397	5,499619	5,708999	5,6151977	5,660338333	0,04514067	1,031783776	Lpo
17427220	4,307817	4,290111	4,153471	4,19596	4,424811	4,266103	4,2504663	4,295624667	0,04515833	1,031796411	---
17354378	9,40056	9,396759	9,289878	9,434834	9,38301	9,404881	9,362399	9,407575	0,045176	1,031809046	Ppic
17443495	7,643676	7,644324	7,612677	7,809762	7,594604	7,631843	7,633559	7,678736333	0,04517733	1,03181	Plod3
17323945	7,804543	7,977197	7,83304	7,818258	8,01333	7,918744	7,8715933	7,916777333	0,045184	1,031814768	Abcf3
17205611	5,587221	5,649759	5,782246	5,93875	5,650581	5,565466	5,6730753	5,718265667	0,04519033	1,031819297	---
17548963	6,72793	6,703146	6,666935	6,767482	6,656288	6,809819	6,699337	6,744529667	0,04519267	1,031820966	Gm17764
17383052	7,38663	7,430579	7,30623	7,402541	7,36028	7,496214	7,3744797	7,419678333	0,04519867	1,031825257	Notch1
17476895	9,503138	9,712448	9,594725	9,514206	9,644263	9,787464	9,603437	9,648644333	0,04520733	1,031831456	---
17359583	4,971093	4,796513	4,903056	4,932264	5,045866	4,828168	4,8902207	4,935432667	0,045212	1,031834793	Cnnm1
17396334	7,837907	7,895559	7,869684	7,966808	7,750677	8,021315	7,8677167	7,912933333	0,04521667	1,031838131	Rprl2
17374295	9,623897	9,757997	9,634806	9,705246	9,730176	9,716939	9,6722333	9,717453667	0,04522033	1,031840754	2900064A13Rik
17215597	6,425699	5,99929	6,263764	6,084786	6,345989	6,393672	6,2295843	6,274815667	0,04523133	1,031848621	---
17533253	11,99133	11,86323	11,65506	11,8681	11,75286	12,0244	11,83654	11,88178667	0,04524667	1,031859588	Otc
17490889	8,266435	8,056709	8,287658	8,381439	8,136249	8,22886	8,2036007	8,248849333	0,04524867	1,031861018	0610005C13Rik
17369366	5,153131	5,241523	5,647665	5,247663	5,358241	5,572194	5,3474397	5,392699333	0,04525967	1,031868886	---
17483891	8,772943	8,648277	8,788742	8,709546	8,871278	8,764918	8,736654	8,781914	0,04526	1,031869124	Plekha1
17393579	7,254197	7,131875	7,229799	7,290158	7,2326	7,22895	7,2052903	7,250569333	0,045279	1,031882714	Sla2
17469404	6,617481	6,644763	7,100016	6,805178	6,875511	6,817465	6,78742	6,832718	0,045298	1,031896304	---
17239254	3,699094	3,780568	3,571225	3,634467	3,944554	3,607763	3,683629	3,728928	0,045299	1,031897019	---
17205573	5,257112	4,659498	4,916676	4,691653	4,899646	5,377886	4,9444287	4,989728333	0,04529967	1,031897496	---
17352169	4,332306	4,213502	4,21929	4,260048	4,260048	4,380912	4,2550327	4,300336	0,04530333	1,031900118	---
17295130	9,889297	10,06701	9,923091	9,990344	10,03727	9,98771	9,9597993	10,005108	0,04530867	1,031903933	F2r
17537081	7,068255	7,105583	6,821076	6,986767	7,107645	7,036481	6,9983047	7,043631	0,04532633	1,031916569	Tlr13
17202649	4,83265	5,44307	5,364021	5,33789	5,281991	5,156027	5,213247	5,258636	0,045389	1,031961394	---
17469613	5,795062	5,451616	6,066324	5,892488	6,039597	5,517091	5,7710007	5,816392	0,04539133	1,031963063	D630042P16Rik
17539407	12,37442	12,42663	12,45422	12,45205	12,44389	12,49552	12,418423	12,46382	0,04539667	1,031966878	---
17542654	5,582298	5,467115	5,361966	5,587687	5,510345	5,449549	5,4704597	5,515860333	0,04540067	1,031969739	Lage3
17288838	7,712141	7,761682	7,713983	7,844706	7,720835	7,758471	7,7292687	7,774670667	0,045402	1,031970693	Fam172a
17491636	5,319533	4,69728	4,641232	5,223677	4,883369	4,687213	4,886015	4,931419667	0,04540467	1,03197 26	D7Ertd715e
17349209	7,342237	7,376904	7,428682	7,34687	7,580511	7,356657	7,3826077	7,428012667	0,045405	1,031972839	Lims2
17548757	6,942302	6,69521	6,825194	6,887246	7,043114	6,668602	6,820902	6,866320667	0,04541867	1,031982615	Gm2481
17493037	3,542719	3,384899	3,333597	3,582252	3,329026	3,486202	3,420405	3,465826667	0,04542167	1,031984761	Vmn2r65
17379008	4,256369	4,068988	4,258113	4,243471	4,292822	4,183445	4,19449	4,239912667	0,04542267	1,031985476	---
17423910	3,441085	3,264138	3,276158	3,523884	3,253528	3,3403	3,327127	3,372570667	0,04544367	1,032000498	Cga
17362814	4,901319	5,005972	5,390598	5,273146	5,103938	5,057143	5,0992963	5,144742333	0,045446	1,032002167	Zp1
17264651	7,846389	7,841449	7,957928	7,905433	7,827997	8,048696	7,881922	7,927375333	0,04545333	1,032007413	Kdm6b
17279162	10,84003	11,0514	11,01197	10,85986	10,95355	11,22642	10,9678	11,01327667	0,04547667	1,032024104	---
17207977	6,299345	5,611311	5,962693	6,475506	5,80084	5,733443	5,957783	6,003263	0,04548	1,032026488	---
17488608	5,616991	5,564723	5,566552	5,450257	5,878663	5,555801	5,5827553	5,628240333	0,045485	1,032030065	Ryr1
17547927	4,550247	4,785024	4,744747	4,608747	4,956827	4,650954	4,6933393	4,738842667	0,04550333	1,03204318	Sec61b // Sec61b
17293011	2,868414	2,880722	2,735485	2,949513	2,800008	2,871673	2,828207	2,873731333	0,04552433	1,032058203	---
17411012	3,23274	3,168652	3,52758	3,229084	3,550875	3,285621	3,3096573	3,355193333	0,045536	1,032066549	---
17365883	5,478511	5,445493	5,515525	5,55887	5,499327	5,517962	5,479843	5,525386333	0,04554333	1,032071795	Afap1l2
17476970	5,631966	5,646406	5,752352	6,101658	5,517048	5,548684	5,676908	5,722463333	0,04555533	1,032080379	Zfp788
17430373	6,042471	6,057347	6,194603	6,141688	6,353092	5,936377	6,0981403	6,143719	0,04557867	1,032097072	Zbtb8a
17404786	4,716662	4,58968	4,847721	4,589959	4,96209	4,738756	4,718021	4,763601667	0,04558067	1,032098502	Qrfpr
17396614	8,443583	8,404824	8,311595	8,370783	8,485349	8,440636	8,3866673	8,432256	0,04558867	1,032104226	Prkci
17525694	3,427632	3,587539	3,53308	3,453525	3,877969	3,353527	3,5160837	3,561673667	0,04559	1,032105179	Olfr916
17204743	3,20181	3,861158	3,910251	3,528991	4,066187	3,514832	3,6577397	3,703336667	0,045597	1,032110187	---
17200105	5,498876	5,555221	5,473405	5,816299	5,444709	5,403318	5,5091673	5,554775333	0,045608	1,032118057	---
17521934	4,657334	5,025361	4,970642	4,946095	5,089609	4,754478	4,8844457	4,930060667	0,045615	1,032123065	Celsr3
17377420	3,664102	3,292616	3,374653	3,565528	3,374653	3,528084	3,4437903	3,489421667	0,04563133	1,03213475	Gm14135
17237490	3,043546	3,121449	3,140621	3,067066	3,127678	3,247796	3,101872	3,147513333	0,04564133	1,032141904	---
17438975	3,912385	3,909557	3,39891	3,99713	3,753635	3,607036	3,740284	3,785933667	0,04564967	1,032147866	Cxcl3
17318299	9,561927	9,623394	9,609736	9,619399	9,744367	9,568254	9,5983523	9,644006667	0,04565433	1,032151205	Puf60
17255318	7,239494	7,234633	7,221122	7,205439	7,486003	7,140789	7,2317497	7,277410333	0,04566067	1,032155736	Ppp1r9b
17283502	4,129406	4,083876	4,306131	4,242405	4,320371	4,093664	4,1731377	4,218813333	0,04567567	1,032166467	Prima1
17326547	3,438912	3,495632	3,46238	3,311443	3,777682	3,444972	3,4656413	3,511365667	0,04572433	1,032201286	---
17524340	3,151388	3,209137	3,209711	3,462782	3,306931	2,937774	3,1900787	3,235829	0,04575033	1,032219888	Olfr854
17459294	5,117555	4,768066	4,683031	5,109358	4,692153	4,904414	4,8562173	4,901975	0,04575767	1,032225135	Igkv1-133
17392609	9,001	9,240484	9,0645	9,180054	9,226564	9,036682	9,1019947	9,147766667	0,045772	1,032235391	Cst3
17375526	6,383643	6,061643	6,247898	6,143076	6,476585	6,210868	6,2310613	6,276843	0,04578167	1,032242307	Pldn
17427357	3,389879	3,431094	3,299854	3,583865	3,399156	3,275222	3,373609	3,419414333	0,04580533	1,032259241	---
17335060	6,424104	6,445396	6,256992	6,463564	6,399164	6,401226	6,3754973	6,421318	0,04582067	1,032270212	Itpr3
17201355	7,389008	7,194739	7,539816	7,193296	7,827817	7,239913	7,374521	7,420342	0,045821	1,03227045	---
17517592	5,795095	5,779122	6,012898	5,840762	5,979635	5,904212	5,8623717	5,908203	0,04583133	1,032277844	Cspg4
17524879	4,060969	3,882077	3,750011	4,012159	3,90643	3,91197	3,8976857	3,943519667	0,045834	1,032279752	Ccdc151
17534470	5,085455	4,98703	4,975622	5,05236	5,037952	5,09532	5,0160357	5,061877333	0,04584167	1,032285238	Sh2d1a
17481397	6,033193	6,002799	6,091934	6,100665	6,160738	6,004062	6,042642	6,088488333	0,04584633	1,032288577	Fxc1
17233052	3,244109	3,199251	3,297841	3,318685	3,290716	3,269341	3,247067	3,292914	0,045847	1,032289054	Speer5-ps1
17495702	4,091205	4,16857	4,295948	4,371445	4,094231	4,227688	4,185241	4,231121333	0,04588033	1,032312905	---
17408377	2,970603	3,054573	3,084666	3,210175	3,023827	3,013493	3,036614	3,082498333	0,04588433	1,032315767	---
17348812	9,849308	9,579133	9,81055	9,756442	9,832066	9,788218	9,7463303	9,792242	0,04591167	1,032335326	Dsg2
17528125	6,813217	6,66875	6,718104	6,683477	6,789018	6,865322	6,733357	6,779272333	0,04591533	1,032337949	Smad6
17476643	6,171909	5,784797	5,888417	6,069527	5,938927	5,974439	5,9483743	5,994297667	0,04592333	1,032343674	Gm4384
17411201	6,481837	6,867428	6,714536	6,871034	6,969986	6,360552	6,6879337	6,733857333	0,04592367	1,032343912	Nexn
17529953	5,046737	4,748678	4,746747	4,981347	4,722812	4,975801	4,8473873	4,89332	0,04593267	1,032350353	---
17455903	5,976617	6,292925	5,446386	5,884013	6,165227	5,804514	5,9053093	5,951251333	0,045942	1,032357031	Asb4
17548470	3,879405	3,895277	3,909939	3,842815	4,030917	3,948723	3,8948737	3,940818333	0,04594467	1,032358939	Gm19620
17526813	8,466436	8,420007	8,280709	8,340742	8,527814	8,436446	8,3890507	8,435000667	0,04595	1,032362756	Pts
17448369	5,606579	5,527526	5,618169	5,50601	5,373852	6,01027	5,5840913	5,630044	0,04595267	1,032364664	---
17231571	4,271681	4,609127	4,546247	4,369563	4,608984	4,586383	4,475685	4,521643333	0,04595833	1,032368719	---
17512675	12,3334	12,52314	12,55731	12,63122	12,5414	12,37911	12,471283	12,51724333	0,04596	1,032369912	---
17242822	6,00474	6,152877	6,055079	6,146899	6,126173	6,077528	6,0708987	6,116866667	0,045968	1,032375636	Dos
17232672	6,168203	6,061697	6,467225	6,365754	6,099619	6,369668	6,232375	6,278347	0,045972	1,032378499	Traf3ip2
17539888	5,838634	5,580934	5,462801	5,636997	5,704446	5,678887	5,6274563	5,673443333	0,045987	1,032389233	Magix
17206191	3,234736	3,319546	3,181538	3,431072	3,234394	3,20835	3,2452733	3,291272	0,04599867	1,032397581	---
17459148	4,060051	4,053414	4,164005	4,258014	4,025029	4,132454	4,09249	4,138499	0,046009	1,032404976	---
17413339	7,083566	7,301574	7,402437	7,46328	7,242256	7,220068	7,2625257	7,308534667	0,046009	1,032404976	Ccdc107
17512181	7,432381	7,51758	7,313858	7,469997	7,399615	7,532239	7,421273	7,467283667	0,04601067	1,032406169	Tk2
17386683	3,19461	3,123373	3,365581	3,029399	3,508719	3,283481	3,2278547	3,273866333	0,04601167	1,032406884	---
17547837	6,352991	6,542653	6,422043	6,540033	6,373397	6,542316	6,439229	6,485248667	0,04601967	1,032412609	Entpd4 // Entpd4
17324691	10,19745	10,50451	10,42978	10,40924	10,33225	10,52831	10,377247	10,42326667	0,04602	1,032412848	---
17339357	5,004961	5,292466	5,275	5,227312	5,318568	5,164631	5,190809	5,236837	0,046028	1,032418573	Dlgap1
17264107	6,96942	6,695265	7,088778	6,841019	6,984517	7,066052	6,917821	6,963862667	0,04604167	1,032428353	Cox10
17543141	3,484792	3,609703	3,622968	3,787066	3,592754	3,475775	3,5724877	3,618531667	0,046044	1,032430023	Mageb18
17291355	9,510868	9,343239	9,220818	9,189008	9,465372	9,55869	9,3583083	9,404356667	0,04604833	1,032433124	Acot13
17545605	7,438128	7,38273	7,382437	7,340928	7,503597	7,49694	7,4010983	7,447155	0,04605667	1,032439087	Prdx4
17432148	5,337339	5,505414	5,321337	5,515421	5,406959	5,379895	5,38803	5,434091667	0,04606167	1,032442665	Clcnka
17434361	3,164577	3,349514	3,185327	3,191512	3,353781	3,292332	3,2331393	3,279208333	0,046069	1,032447913	---
17343542	4,429279	4,265666	4,373802	4,466979	4,449289	4,290702	4,356249	4,402323333	0,04607433	1,03245173	Morc2b
17372009	4,970641	4,840169	4,874277	4,998967	4,922245	4,902119	4,895029	4,941110333	0,04608133	1,03245674	---
17218514	5,280617	4,962817	4,932241	5,268128	4,885558	5,160234	5,0585583	5,10464	0,04608167	1,032456978	Astn1
17346226	4,319529	4,422846	4,494335	4,399082	4,54066	4,435225	4,4122367	4,458322333	0,04608567	1,032459841	Arrdc5

17481127	7,092824	6,945494	7,151711	7,123583	7,088462	7,116257	7,063343	7,109434	0,046091	1,032463658	Olfr549
17277319	7,242859	7,357714	7,17918	7,441424	7,144507	7,332121	7,2599177	7,306017333	0,04609967	1,03246986	Ylpm1
17278751	7,069912	6,950631	7,23269	7,115539	7,150015	7,126001	7,084411	7,130518333	0,04610733	1,032475347	Mir1188
17479181	4,40765	4,808691	4,783973	4,808832	4,592002	4,737838	4,6667713	4,712890667	0,04611933	1,032483934	---
17217639	6,349724	6,24606	6,351477	6,345745	6,106012	6,633878	6,3157537	6,361878333	0,04612467	1,032487751	Lad1
17537978	4,406693	4,667592	4,584891	4,42479	4,727166	4,645608	4,5530587	4,599188	0,04612933	1,032491091	1700014N06Rik
17305830	4,983444	4,942123	5,190261	5,000315	5,067122	5,186855	5,0386093	5,084764	0,04615467	1,032509222	Otx2
17226147	5,779121	5,295228	5,968688	5,698764	5,705843	5,776924	5,6810123	5,727177	0,04616467	1,032516378	---
17480880	9,438957	9,384001	9,329398	9,354432	9,471983	9,464509	9,3841187	9,430308	0,04618933	1,032534032	Pde2a
17495189	3,063121	3,132989	3,077051	3,375238	3,048079	2,988553	3,0910537	3,13729	0,04623633	1,03256767	---
17276642	9,062778	8,964604	8,89757	8,919665	9,114169	9,029835	8,974984	9,021223	0,046239	1,032569579	Fut8
17534352	6,339985	6,15959	6,247875	6,538733	6,061615	6,285836	6,24915	6,295394667	0,04624467	1,032573635	Mcts1
17218736	5,697026	5,738165	5,354112	5,626427	5,69859	5,603116	5,5964343	5,642711	0,04627667	1,032596538	Vamp4
17426181	5,687747	5,487512	5,933219	5,643833	5,855241	5,748254	5,702826	5,749109333	0,04628333	1,03260131	Wdr31
17243486	6,696112	6,33941	6,698519	6,623092	6,580274	6,669533	6,5780137	6,624299667	0,046286	1,032603219	1190007I07Rik
17485826	5,378314	5,369143	5,117455	5,291969	5,1589	5,552927	5,288304	5,334598667	0,04629467	1,032609422	Ptprh
17415917	3,344994	3,308025	3,545914	3,456804	3,606176	3,274843	3,3996443	3,445941	0,04629667	1,032610853	---
17500697	4,22054	4,346232	4,384315	4,263869	4,381765	4,444347	4,317029	4,363227	0,046298	1,032611808	Adam24
17510458	4,139405	3,994553	4,474454	4,508034	4,104288	4,134991	4,202804	4,249104333	0,04630033	1,032613478	---
17240750	4,332812	4,310148	4,140655	4,013823	4,495242	4,413455	4,261205	4,307506667	0,04630167	1,032614432	Ros1
17263744	4,918945	4,856612	5,156673	4,88839	5,156302	5,026472	4,97741	5,023721333	0,04631133	1,032621351	Slc47a2
17547640	6,494076	6,610282	6,777097	6,831653	6,608085	6,580659	6,6271517	6,673465667	0,046314	1,03262326	Nol11
17506862	6,159159	5,957359	6,330918	6,11367	6,217076	6,255644	6,1491453	6,195463333	0,046318	1,032626123	Disc1
17526576	6,584455	7,238761	7,190974	6,987776	7,008211	7,157164	7,00473	7,051050333	0,04632033	1,032627793	Tagln
17313199	8,427006	8,438255	8,48949	8,461554	8,488913	8,543274	8,4515837	8,497913667	0,04633	1,032634712	Adsl
17416814	3,596336	3,432979	3,645069	3,577779	3,657095	3,578529	3,558128	3,604467667	0,04633967	1,032641631	Calr4
17390950	6,971918	6,865488	6,975236	7,026107	7,072936	6,852654	6,9375473	6,983899	0,04635167	1,03265022	Cep152
17209511	5,672872	5,199626	5,021635	5,29117	5,142514	5,599513	5,2980443	5,344399	0,04635467	1,032652368	---
17344899	3,146183	3,407323	3,371647	3,466651	3,444505	3,15308	3,3083843	3,3547453	0,046361	1,032656901	Olfr115
17408813	6,565574	6,399689	6,334863	6,365741	6,594775	6,478717	6,4333753	6,479744333	0,046369	1,032662627	Cttnbp2nl
17415711	4,609168	4,720187	4,735736	4,715847	4,66543	4,822921	4,6883637	4,734732667	0,046369	1,032662627	A730085A09Rik
17317739	5,380301	5,590768	5,548306	5,762418	5,46401	5,43207	5,5064583	5,552832667	0,04637433	1,032666445	Col22a1
17506300	5,83045	5,306039	5,774938	5,664735	5,689709	5,696119	5,6371423	5,683521	0,04637867	1,032669546	Foxl1
17287403	5,252485	5,630519	5,567784	5,590761	5,54815	5,451022	5,483596	5,529977667	0,04638167	1,032671694	Gm2762
17206409	4,404602	4,26146	4,777103	4,136115	4,76313	4,683118	4,481055	4,527454333	0,04639933	1,03268434	---
17288952	8,057571	8,069342	7,849427	8,003828	7,976171	8,135593	7,9921133	8,038530667	0,04641733	1,032697224	Tmem161b
17202069	4,003146	4,258621	4,15731	4,14614	4,11393	4,298263	4,1396923	4,186111	0,04641867	1,032698179	---
17487381	9,851389	9,848476	9,850259	9,942276	9,868692	9,878418	9,8500413	9,896462	0,04642067	1,03269961	Apoe
17291361	7,138327	7,335897	7,187548	7,141985	7,268928	7,390157	7,2205907	7,267023333	0,04643267	1,0327082	Aldh5a1
17513076	6,77268	7,274727	6,646608	7,157009	6,815446	6,860875	6,898005	6,944443333	0,04643833	1,032712256	Mlkl
17248664	4,846536	4,834588	4,628475	4,281119	5,071322	5,096489	4,7698663	4,81631	0,04644367	1,032716074	---
17400914	4,407689	4,234441	4,183866	4,04097	4,470893	4,453584	4,275332	4,321815667	0,04648367	1,032744707	Spag17
17550506	4,243005	4,324515	4,400218	4,28769	4,607251	4,212262	4,3225793	4,369067667	0,04648833	1,032748048	---
17458424	4,571337	4,385412	4,594991	4,626015	4,456243	4,608951	4,5172467	4,563736333	0,04648967	1,032749002	Doxl2
17237361	8,261358	8,464857	8,446487	8,481859	8,534403	8,295955	8,3909007	8,437405667	0,046505	1,032759979	Zfc3h1
17511540	7,192995	7,341683	7,177769	7,246978	7,258644	7,346382	7,2374823	7,284001333	0,046519	1,032770001	Sall1
17457122	5,200063	4,756973	4,655492	5,123417	4,345518	5,283154	4,8708427	4,917363	0,04652033	1,032770955	---
17456145	4,306643	4,227913	4,336233	4,263869	4,397498	4,349007	4,290263	4,336791333	0,04652833	1,032776682	---
17278698	4,787373	4,778812	5,43203	5,35812	5,097624	4,682057	4,999405	5,045933667	0,04652867	1,032776921	Mir3070a
17226827	3,246763	3,266152	3,27121	3,292905	3,178776	3,452058	3,261375	3,307913	0,046538	1,032783602	---
17405197	7,770533	7,728037	7,767787	7,88111	7,886846	7,638026	7,7554523	7,801994	0,04654167	1,032786227	Nhlrc3
17205473	5,820063	5,917954	4,932725	6,073274	5,202765	5,534442	5,556914	5,603493667	0,04657967	1,032813431	---
17359403	5,369935	5,196249	5,208131	5,428882	5,333134	5,152046	5,258105	5,304687333	0,04658233	1,03281534	E030044B06Rik // E030044B06Rik
17253037	8,945088	8,943571	8,871387	8,915114	9,122959	8,861742	8,9200153	8,966605	0,04658967	1,03282059	Inpp5k
17228497	4,176232	4,142502	4,085125	4,129342	4,199827	4,21446	4,1346197	4,181209667	0,04659	1,032820828	Tdrd5
17479929	3,19186	3,035409	3,203691	3,456683	3,070279	3,043774	3,1436533	3,190245333	0,046592	1,03282226	Vmn2r71
17350517	10,68002	10,61614	10,53309	10,67495	10,665	10,62913	10,60975	10,65636	0,04661	1,032835146	Hsd17b4
17289061	9,31632	9,400214	9,405304	9,648945	9,334473	9,278306	9,373946	9,420574667	0,04662867	1,03284851	Acot12
17538829	8,556909	8,897408	8,945508	8,579398	8,971606	8,988747	8,7999417	8,846583667	0,046642	1,032858056	---
17302238	9,937609	9,997152	9,775373	10,01813	9,926659	9,905303	9,903378	9,950030667	0,04665267	1,032865692	Elf1
17279434	8,321891	8,23304	8,131265	8,298752	8,261147	8,266285	8,228732	8,275394667	0,04666267	1,032872851	Pacs2
17385816	5,220165	5,121839	5,17731	5,225591	5,199969	5,233815	5,1731047	5,219791667	0,046687	1,032890273	Kcnh7
17217237	5,424492	5,471548	5,325846	5,431891	5,544079	5,386022	5,4072953	5,453997333	0,046702	1,032901012	Gm10538
17204501	3,931262	3,852502	3,516185	4,466553	2,842806	4,130696	3,7666497	3,813351667	0,046702	1,032901012	---
17330654	4,738629	4,327144	4,350049	4,328762	4,629887	4,597326	4,4719407	4,518658333	0,04671767	1,032912228	BC016579
17286337	5,126007	5,07576	5,070742	5,102	5,149743	5,160989	5,0908363	5,137577333	0,046741	1,032928934	---
17535949	2,895594	3,092627	2,914465	3,011902	3,138953	2,892132	2,967562	3,014329	0,046767	1,03294755	---
17208263	5,701204	5,743108	4,236613	6,038469	5,18144	4,601349	5,226975	5,273752667	0,04677767	1,032955187	---
17275408	7,16587	7,283405	6,96418	7,102854	7,214595	7,236341	7,1378183	7,184596667	0,04677833	1,032955664	Nubpl
17288732	8,06841	8,224309	8,07021	8,281034	8,146178	8,076084	8,1209763	8,167765333	0,046789	1,032963302	Ttc37
17344086	8,381313	8,741858	8,130973	8,337904	8,574722	8,481922	8,418048	8,464849333	0,04680133	1,032972132	C2
17330918	9,654579	9,703833	9,672638	9,744199	9,702243	9,725052	9,6770167	9,723831333	0,04681467	1,032981679	Alcam
17473738	4,322498	4,140261	3,957028	4,104169	4,26177	4,194305	4,139929	4,186748	0,046819	1,032984782	Gm4224
17477619	6,961006	7,063163	7,147443	7,010111	7,146065	7,155918	7,057204	7,104031333	0,04682733	1,032990748	Fuz
17241228	9,080078	9,120587	9,141141	9,178887	9,134015	9,169395	9,1139353	9,160765667	0,04683033	1,032992896	Eif4ebp2
17483007	6,477595	6,574507	6,638415	6,531647	6,827156	6,472247	6,5635057	6,61035	0,04684433	1,033002921	Sbk1
17413039	5,638761	5,290632	6,012148	6,264684	5,429936	5,387465	5,6471803	5,694028333	0,046848	1,033005546	Ccl27b
17369882	6,423611	6,486717	6,506162	6,53346	6,564627	6,458974	6,4721633	6,519020333	0,046857	1,03301199	St6galnac4
17507317	3,29014	3,340138	3,078798	3,438499	3,186979	3,224204	3,2363587	3,283227333	0,04686867	1,033020344	---
17388252	6,363971	6,587653	6,169558	6,441322	6,503754	6,316724	6,3737273	6,4206	0,04687267	1,033023208	Zfp408
17346930	3,121043	3,137845	2,987247	3,080814	3,188298	3,11765	3,082045	3,128920667	0,04687567	1,033025356	---
17242785	6,514377	7,023376	6,600864	6,815032	6,756577	6,70766	6,7128723	6,759756333	0,046884	1,033031323	Sbno2
17235053	8,193343	8,127302	8,278011	8,224935	8,206659	8,307714	8,199552	8,246436	0,046884	1,033031323	Wdr18
17218430	6,374651	6,498692	6,49318	6,44949	6,371127	6,686567	6,4555077	6,502394667	0,046887	1,033033472	Abl2
17211498	9,33716	9,357855	9,322006	9,461775	9,357306	9,338629	9,339007	9,385903333	0,04689633	1,033040155	Lmbrd1
17285693	3,402227	3,615758	3,396529	3,401628	3,656388	3,497194	3,4715047	3,518403333	0,04689867	1,033041825	---
17428860	5,635658	6,285836	7,057325	6,481481	6,629674	6,008436	6,326273	6,373197	0,046924	1,033059965	---
17276256	9,016869	8,732523	9,124178	9,098999	8,907307	9,008049	8,9578567	9,004785	0,04692833	1,033063068	---
17268103	9,806995	9,522487	9,825668	9,657589	9,871639	9,76671	9,7183833	9,765312667	0,04692933	1,033063785	---
17332333	7,781178	7,880673	7,888149	7,79427	7,876945	8,019574	7,85	7,896929667	0,04692967	1,033064023	Dscr3
17326588	3,322186	3,456065	3,630399	3,377623	3,704619	3,467209	3,46955	3,516483667	0,04693367	1,033066887	D16Ertd519e
17406456	4,625348	4,355254	4,948346	4,704633	4,537863	4,827296	4,6429827	4,689930667	0,046948	1,033077151	Mab21l2
17234848	3,376508	3,552416	3,165331	3,67297	3,462931	3,099244	3,3647517	3,411715	0,04696333	1,033088131	Olfr1354
17410204	6,05547	6,010952	6,240934	6,072769	6,177972	6,197547	6,102452	6,149429333	0,04697733	1,033098156	Alpk1
17464580	7,846726	8,097361	7,689357	8,002966	7,851194	7,920278	7,8778147	7,924812667	0,046998	1,033112955	Bet1
17445593	3,816832	3,685219	3,876858	3,667795	3,955732	3,896384	3,7929697	3,839970333	0,04700067	1,033114865	---
17392631	5,867697	5,948364	5,888106	5,957688	6,021281	5,866316	5,901389	5,948428333	0,04703933	1,033142555	---
17238908	7,063145	7,313898	6,750821	7,299251	7,165294	6,804463	7,0426213	7,089669333	0,047048	1,033148761	Syne1
17249542	7,289923	7,693342	7,36264	7,473363	7,530227	7,483461	7,448635	7,495683667	0,04704867	1,033149238	Sept8
17324247	5,49494	5,315525	5,477453	5,220694	5,651066	5,557323	5,429306	5,476361	0,047055	1,033153774	---
17423390	5,172009	5,454145	5,317008	5,559874	5,405049	5,119422	5,3143873	5,361448333	0,047061	1,033158071	---
17505313	6,516116	6,529246	6,5496	6,597216	6,540119	6,598826	6,531654	6,578720333	0,04706633	1,03316189	Zfhx3
17510542	8,133589	8,104472	8,017364	8,053442	8,156181	8,18704	8,0851417	8,132221	0,04707933	1,0331712	Cherp
17387617	3,403652	3,325128	3,619672	3,498469	3,282278	3,708978	3,449484	3,496575	0,047091	1,033179555	Olfr1006
17435335	5,086685	4,965028	5,307367	5,118378	5,164009	5,217966	5,1196933	5,166784333	0,047091	1,033179555	Accn3
17323755	6,494945	6,39509	6,669576	6,490485	6,683224	6,5272	6,5198703	6,566969667	0,04709933	1,033185523	Cldn5
17370954	7,933519	7,380435	7,024389	7,405113	7,31014	7,764389	7,4461143	7,493214	0,04709967	1,033185761	Upp2
17541924	5,322247	4,450525	4,421092	4,96513	5,086438	4,283599	4,731288	4,778389	0,047101	1,033186716	---
17238661	4,777718	4,47896	3,721546	4,620646	4,271925	4,227092	4,3260747	4,373221	0,04714633	1,033219182	Olfr782
17454216	7,679296	7,598787	7,709809	7,727793	7,668708	7,732835	7,6626307	7,709778667	0,047148	1,033220376	Zfp113 // Zfp113
17200499	5,565416	5,205149	5,538483	5,439782	5,683237	5,327521	5,4363493	5,483513333	0,047164	1,033231835	---
17350718	6,649555	6,69243	6,697886	6,76189	6,762622	6,656852	6,679957	6,727121333	0,04716433	1,033232074	Aldh7a1 // Aldh7a1
17308473	11,38655	11,41672	11,59752	11,18602	11,65729	11,69898	11,46693	11,51409667	0,04716667	1,033233745	---
17484382	8,075707	8,031099	7,960959	8,048735	8,134493	8,026081	8,0225883	8,069769667	0,04718133	1,033244249	Inpp5a
17291746	6,683811	6,491211	6,582595	6,709959	6,584773	6,604445	6,5858723	6,633059	0,04718667	1,033248068	Serpinb6a
17270398	8,383538	8,342819	8,200598	8,356364	8,329598	8,382578	8,308985	8,35618	0,047195	1,033254037	Dcakd
17450690	9,765791	9,882672	9,855154	9,853715	9,879509	9,911983	9,834539	9,881735667	0,04719667	1,03325523	Evi5
17202469	3,456075	3,505461	2,806788	3,253077	2,901497	3,755357	3,256108	3,303310333	0,04720233	1,033259289	---
17248871	4,563158	5,169262	5,023948	4,99842	4,834742	5,064853	4,9187893	4,966005	0,04721567	1,033268838	---
17306091	4,11623	4,16356	3,83726	4,129992	3,930741	4,197968	4,0390167	4,086233667	0,047217	1,033269793	Rnase12
17332339	9,068613	8,826088	8,870261	8,901548	8,9368	9,068274	8,9216554	8,968874	0,04722	1,033271942	---
17385303	8,635968	8,785382	8,554303	8,602848	8,810661	8,70381	8,658551	8,705773	0,047222	1,033273374	Stam2
17206367	3,773955	3,644095	3,04672	3,214843	3,677022	3,714579	3,4882567	3,535481333	0,04722467	1,033275284	---
17299713	2,794729	2,82073	3,16847	2,997117	3,043234	2,88526	2,9279763	2,975203667	0,04722733	1,033277194	---
17345722	5,59544	5,687695	5,568746	5,800703	5,56499	5,627873	5,6172937	5,664522	0,04722833	1,03327791	Gm14873
17234705	5,102367	4,543788	4,788334	4,848866	5,118931	4,608378	4,8114963	4,858725	0,04722867	1,033278149	Mir1930
17353957	6,565117	6,531015	6,61691	6,763789	6,434271	6,656726	6,571014	6,618262	0,047248	1,033291996	Spry4
17282074	5,401175	5,212685	5,557191	5,479912	5,568513	5,264397	5,3903503	5,437607333	0,047257	1,033298442	Rab15
17549518	6,200294	6,42268	6,535855	6,393748	6,379874	6,52708	6,3862763	6,433567333	0,047291	1,033322794	---
17297080	8,968287	8,970469	9,013334	9,009163	9,063309	9,021492	8,98403	9,031321333	0,04729133	1,033323033	Pxk
17254618	7,295299	7,271542	7,028945	7,248823	7,188263	7,300579	7,1985953	7,245888333	0,047293	1,033324226	4632419I22Rik
17200623	6,998869	6,403091	6,85643	6,653216	6,71013	7,036928	6,7527967	6,800091333	0,04729467	1,03332542	---
17469879	4,85029	4,839356	4,794018	4,605005	4,798837	5,221821	4,827888	4,875221	0,047333	1,033352877	Timp4
17223467	3,599042	3,320011	3,528022	3,547609	3,535372	3,506117	3,4823583	3,529699333	0,047341	1,033358607	---

17439620	5,219099	5,041433	5,467116	5,353859	5,278745	5,237093	5,2425493	5,289899	0,04734967	1,033364814	---
17245433	7,286913	7,235547	7,014283	7,394611	7,124744	7,159455	7,1789143	7,22627	0,04735567	1,033369112	Msrb3
17200379	7,288972	7,451894	7,479298	7,117663	7,487323	7,757257	7,4067213	7,454081	0,04735967	1,033371977	---
17421290	3,365396	3,250279	3,127653	3,145705	3,210037	3,529705	3,247776	3,295149	0,047373	1,033381528	Gm13119
17382038	9,485949	9,476995	9,32697	9,397664	9,45488	9,579508	9,4299713	9,477350667	0,04737933	1,033386064	Pip4k2a
17248374	5,191037	4,989488	5,057874	5,123687	5,044258	5,212679	5,0794663	5,126874667	0,04740833	1,033406837	Kcnmb1
17446639	5,367833	5,569074	5,366124	5,127391	5,672411	5,645476	5,4343437	5,481759333	0,04741567	1,03341209	3110082J24Rik // 3110082J24Rik
17541074	5,769316	5,33393	5,194872	5,598165	5,320536	5,521687	5,432706	5,480129333	0,04742333	1,033417581	Rhox4a // Rhox4a
17423665	3,838904	3,848901	4,26371	4,030679	4,03525	4,027863	3,9838383	4,031264	0,04742567	1,033419253	Fhl5
17548628	5,278913	5,081788	5,255163	5,214999	5,25564	5,287509	5,205288	5,252716	0,047428	1,033420924	Gm19514
17252706	3,625102	3,646418	3,706726	3,739556	3,918335	3,462662	3,6594153	3,706851	0,04743567	1,033426416	Olfr376
17323818	3,991771	3,543235	3,41932	4,055344	3,956245	3,085063	3,651442	3,698884	0,047442	1,033430953	---
17290242	9,757849	9,628944	9,688142	9,652511	9,815317	9,749451	9,691645	9,739093	0,047448	1,03343525	Net1
17288936	4,314239	4,331917	4,265776	4,215144	4,491779	4,347358	4,3039773	4,351427	0,04744967	1,033436444	C130071C03Rik
17352275	6,762919	6,746408	6,540286	6,737402	6,763169	6,691398	6,6832043	6,730656333	0,047452	1,033438116	Rttn
17349582	4,462839	4,391122	4,417375	4,593454	4,135292	4,685019	4,4237787	4,471255	0,04747633	1,033455546	1700066B19Rik // 1700066B19Rik
17335357	3,793983	3,667657	3,87568	3,860686	4,00382	3,615272	3,7791067	3,826592667	0,047486	1,033462471	Lhfpl5
17391920	6,967112	7,117847	7,090021	7,213893	7,094748	7,008809	7,0583267	7,105816667	0,04749	1,033465336	Rassf2
17381171	8,77046	8,659554	8,750129	8,794285	8,789957	8,738434	8,7267143	8,774225333	0,047511	1,03348038	Pcmtd2
17541699	3,056546	3,267609	2,856525	3,081235	3,141611	3,100375	3,0602267	3,107740333	0,04751367	1,03348229	Mir19b-2
17319037	11,20876	11,26255	11,25397	11,30445	11,38639	11,17699	11,24176	11,28927667	0,04751667	1,033484439	Rac2
17523574	8,066839	8,063126	7,901618	7,997339	8,055856	8,120972	8,0105277	8,058055667	0,047528	1,033492558	Lars2
17322429	7,026379	7,000837	7,147372	7,072036	7,010923	7,234219	7,058196	7,105726	0,04753	1,033493991	Ppp1r1a
17233600	6,957474	7,144774	7,105275	7,103261	7,241933	7,004941	7,0691743	7,116711667	0,04753733	1,033499244	Ascc1
17545785	6,619749	6,557685	6,360021	6,440448	6,606934	6,6327	6,512485	6,560027333	0,04754233	1,033502826	Cdkl5
17337411	3,758814	3,682444	3,752433	4,047803	3,694909	3,593631	3,7312303	3,778781	0,04755067	1,033508796	H2-M11
17322536	6,333509	6,397504	6,322873	6,58387	6,308371	6,304313	6,3512953	6,398851333	0,047556	1,033512616	Vasn
17537188	5,023076	4,583467	5,233832	4,772012	4,904815	5,306228	4,9467917	4,994351667	0,04756	1,033515482	5730416F02Rik
17211396	5,181333	5,232525	5,172953	5,145279	5,179028	5,405255	5,1956037	5,243187333	0,04758367	1,033532436	Tmem14a
17269052	4,282518	4,199816	4,537134	4,21059	4,732179	4,219555	4,3398227	4,387441333	0,04761867	1,03355751	Krt28
17216113	6,762125	6,514356	7,070833	6,870379	6,831586	6,788211	6,782438	6,830058667	0,04762067	1,033558943	Gal3st2
17207527	4,7792	4,764162	5,489615	5,15101	4,69696	5,327876	5,0109923	5,058615333	0,047623	1,033560615	---
17239987	3,764021	3,764515	4,182519	3,805164	4,086821	3,961972	3,903685	3,951319	0,047634	1,033568495	4930519F09Rik
17399091	6,911915	6,954789	6,997429	6,91104	7,072919	7,023115	6,954711	7,002358	0,04764	1,033577809	Ubqln4
17403096	5,630077	5,823334	5,638299	5,715339	5,751716	5,767617	5,6972367	5,744890667	0,047654	1,033582823	---
17247872	4,225647	3,875601	3,909832	3,963564	4,301384	3,889096	4,0036933	4,051348	0,04765467	1,033583301	Gm10466
17510419	5,951776	5,663599	5,76622	5,925526	5,896111	5,702985	5,793865	5,841540667	0,04767567	1,033598346	---
17313495	6,621908	6,729604	6,826403	6,804299	6,875353	6,641305	6,7259717	6,773652333	0,04768067	1,033601928	Ccdc134
17547713	5,859865	5,490465	5,902421	6,10195	5,679358	5,614501	5,750917	5,798603	0,047686	1,033605749	Gm19929
17381992	4,804664	4,829963	4,813445	4,81326	4,898941	4,878984	4,816024	4,863728333	0,04770433	1,033618884	Gm17762
17549668	6,088801	6,311422	6,424363	6,282256	6,269868	6,415587	6,274862	6,322570333	0,04770833	1,03362175	---
17541926	4,581889	4,777754	4,607528	4,51351	4,88294	4,713868	4,6557237	4,703439333	0,04771567	1,033627004	Fgf13
17464715	3,946104	4,003737	3,978276	4,069866	4,048287	3,953134	3,976039	4,023762333	0,04772333	1,033632497	---
17249461	5,325729	4,944513	5,20379	5,190374	5,387426	5,039506	5,1580107	5,205768667	0,047758	1,033657334	Fstl4
17477151	6,363019	6,492341	6,401574	6,411016	6,399669	6,589527	6,418978	6,466737333	0,04775933	1,03365829	Zfp719
17463636	3,166378	3,196324	3,407457	3,131499	3,601762	3,18018	3,2567197	3,304480333	0,04776067	1,033659245	Tas2r123
17246445	3,183982	3,219391	3,134815	3,065515	3,43387	3,182097	3,179396	3,227160667	0,04776467	1,033662111	Olfr815
17499412	4,163471	4,11651	4,292307	4,227764	4,271977	4,215841	4,1907627	4,238527333	0,04776467	1,033662111	Dlgap2
17265019	4,672843	4,557031	4,749254	4,742147	4,633835	4,746472	4,6597093	4,707484667	0,04777533	1,033669753	Tmem95
17221059	3,262591	3,011057	3,127012	3,037602	3,194072	3,312317	3,1335533	3,181330333	0,047777	1,033670947	---
17369789	6,918431	6,846852	6,894977	6,917377	7,029614	6,856612	6,8867533	6,934534333	0,047781	1,033673813	Ciz1
17366724	2,955498	3,24918	3,136061	3,038466	3,086784	3,358887	3,1135797	3,161379	0,04779933	1,033686949	Mir669b // Mir669b
17266792	5,896344	6,14145	6,097401	6,2764	6,205754	5,796475	6,045065	6,092876333	0,04781133	1,033695547	---
17277939	5,399176	5,174349	5,062232	5,171962	5,186119	5,421131	5,211919	5,259737333	0,04781833	1,033700563	9030617O03Rik
17264588	7,14318	7,179455	7,434032	7,476832	7,238055	7,185236	7,2522223	7,300041	0,04781867	1,033700802	Chd3
17507159	4,077341	3,864365	4,075552	3,952839	3,951818	4,256058	4,0057527	4,053571667	0,047819	1,03370104	---
17210069	6,860322	6,739512	6,600237	6,820162	6,380193	7,14318	6,733357	6,781178333	0,04782133	1,033702712	---
17367243	8,834931	8,882716	8,807573	8,808272	8,916886	8,943552	8,84174	8,88957	0,04783	1,033708922	Mllt10
17517151	7,264227	7,4512	7,305835	7,527452	7,301954	7,335349	7,3404207	7,388251667	0,047831	1,033709638	Alg9
17497153	6,794364	6,987674	6,716061	6,788346	6,982065	6,871187	6,8326997	6,880532667	0,047833	1,033711071	Ctbp2
17497432	6,075235	5,958507	6,151529	6,158783	6,01592	6,154069	6,061757	6,109590667	0,04783367	1,033711549	Stk32c
17322724	3,955373	4,203514	4,174345	4,287495	3,994777	4,194515	4,1110773	4,158929	0,04785167	1,033724447	1700123O21Rik
17203183	4,79318	4,479519	5,146381	4,668624	4,985331	4,908713	4,80636	4,854222667	0,04786267	1,033732328	---
17440675	7,534851	7,614041	7,594095	7,544018	7,74191	7,600654	7,5809957	7,628860667	0,047865	1,033734	Tfip11
17304658	5,028889	5,229247	5,297688	5,217027	5,202453	5,27996	5,1852747	5,233146667	0,047872	1,033739016	Dnahc1
17543376	3,282756	3,224139	3,332832	3,368593	3,276206	3,338547	3,279909	3,327782	0,047873	1,033739732	Hsf3
17519009	9,060099	9,082899	8,938076	9,008904	9,196732	9,019058	9,0270247	9,074898	0,04787333	1,033739971	Gtf2a2
17216070	7,958646	7,957271	8,119347	8,072423	8,122566	7,983901	8,0117547	8,05963	0,04787533	1,033741404	Atg4b
17229359	4,651432	4,557574	4,714424	4,491264	5,035708	4,540087	4,6411433	4,689019667	0,04787633	1,033742121	Gm4847
17395260	10,7124	10,81377	10,8141	10,90171	10,76483	10,81741	10,78009	10,82798333	0,04789333	1,033754302	0610010B08Rik // 0610010B08Rik
17439374	7,708662	7,770702	7,629546	7,748213	7,746304	7,758074	7,70297	7,750863667	0,04789367	1,033754541	Mrpl1
17447446	7,172894	7,178863	7,178863	7,143426	7,313765	7,217133	7,1768733	7,224774667	0,04790133	1,033760034	Tada2b
17465805	5,680729	5,569673	5,976727	5,994463	5,592409	5,783988	5,7423763	5,790286667	0,04791033	1,033766483	Slc13a4
17441777	3,666478	3,69496	3,568204	3,656297	3,959944	3,457165	3,643214	3,691135333	0,04792133	1,033774365	Oas1h
17468095	6,520799	6,362571	6,361563	6,625371	6,329889	6,433466	6,4149777	6,462908667	0,047931	1,033781292	Ccdc142 // Ccdc142
17464485	4,792298	4,742291	4,860735	4,91168	4,74288	4,884572	4,7984413	4,846377333	0,047936	1,033784875	---
17331475	3,125791	3,138709	3,074467	3,119731	3,182452	3,180627	3,112989	3,160936667	0,04794767	1,033793235	---
17260175	3,67085	3,570534	3,875266	3,653203	3,729187	3,878117	3,70555	3,753502333	0,04795233	1,033796579	---
17549022	3,252188	3,413605	3,311409	3,309241	3,436113	3,375777	3,325734	3,373710333	0,04797633	1,033813777	---
17549030	3,252188	3,413605	3,311409	3,309241	3,436113	3,375777	3,325734	3,373710333	0,04797633	1,033813777	---
17238184	3,609016	3,517499	3,638612	3,742251	3,657793	3,509014	3,5883757	3,636352667	0,047977	1,033814255	Rdh19
17489858	4,064867	4,191924	4,234356	4,338327	4,215339	4,081414	4,1637157	4,211693333	0,04797767	1,033814732	Zfp536
17391247	9,007349	8,955822	8,939094	8,960426	9,21701	8,868814	8,9674217	9,015416667	0,047995	1,033827153	Ciao1
17298407	7,62326	7,693715	7,670511	7,764338	7,838853	7,528331	7,6624953	7,710507333	0,048012	1,033839335	Bap1
17306045	4,734029	5,163717	5,074667	5,400708	4,854286	4,861477	4,9908043	5,038823667	0,04801933	1,033844591	Klhl33
17549464	5,710516	5,907343	5,429354	5,404439	5,823801	5,963034	5,6824043	5,730424667	0,04802033	1,033845307	---
17239257	5,219558	5,165904	5,017571	5,25929	5,096684	5,191152	5,1343443	5,182375333	0,048031	1,033852951	4930432B10Rik
17281479	3,937194	4,221464	3,867114	4,318375	3,865882	3,985615	4,0085907	4,056624	0,04803333	1,033854623	---
17501102	3,483226	2,968311	3,967701	3,542671	3,651848	3,368857	3,4730793	3,521125333	0,048046	1,0338637	---
17294318	8,373529	8,245591	8,411884	8,293915	8,524043	8,357194	8,343668	8,391717333	0,04804933	1,033866089	---
17482907	5,431497	5,643741	5,392512	5,398741	5,67243	5,540763	5,48925	5,537311333	0,04806133	1,033874688	Hs3st4
17424447	5,908236	6,040786	6,446273	6,547729	6,184156	5,807597	6,131765	6,179827333	0,04806233	1,033875405	4933409K07Rik // 4933409K07Rik
17434275	5,908236	6,040786	6,446273	6,547729	6,184156	5,807597	6,131765	6,179827333	0,04806233	1,033875405	4933409K07Rik // 4933409K07Rik
17251659	8,873821	8,738026	8,523252	8,739638	8,690522	8,849221	8,7116997	8,759793667	0,048094	1,033898099	Trp53
17400853	4,37172	4,356507	4,279153	4,356507	4,36131	4,433861	4,3357933	4,383892667	0,04809933	1,033901921	Reg4
17223277	7,238089	7,373883	7,206358	7,161858	7,473511	7,32728	7,2727767	7,320883	0,04810633	1,033906937	Gm6644
17477109	5,146422	5,136587	5,398402	5,281771	5,27397	5,269991	5,227137	5,275244	0,048107	1,033907415	Cldnd2
17377328	5,140455	5,079489	5,478184	5,235037	5,320432	5,286995	5,2327093	5,280821333	0,048112	1,033910998	Pax1
17485649	3,798668	3,623588	3,674829	3,452988	3,987362	3,801079	3,6990283	3,747143	0,04811467	1,033912909	Gm15448
17492196	5,529399	5,445744	5,600592	5,775938	5,38983	5,554326	5,525245	5,573364667	0,04811967	1,033916493	Slco3a1
17260742	6,867419	7,095084	7,457287	7,470529	6,968857	7,124846	7,13993	7,188077333	0,04814733	1,03393632	---
17472777	9,219434	9,28074	9,257118	9,492695	9,23313	9,175909	9,2524307	9,300578	0,04814733	1,03393632	Itpr2
17449223	4,254408	4,20131	4,14427	4,26345	4,294407	4,186589	4,199996	4,248148667	0,04815267	1,033940142	Tmprss11c
17458723	5,447316	5,513237	5,577113	5,493678	5,542745	5,645705	5,5125553	5,560709333	0,048154	1,033941098	Wipf3
17392730	7,670189	7,776594	7,750077	7,784047	7,893619	7,663702	7,7322867	7,780456	0,04816933	1,033952087	Abhd12
17201117	6,633332	7,065326	6,285764	6,485781	6,535363	7,107852	6,661474	6,709665333	0,04819133	1,033967854	---
17411871	4,693917	4,883865	4,491573	4,810006	4,729778	4,674206	4,689785	4,737996667	0,04821167	1,033982427	1700123M08Rik
17210541	7,612654	7,627399	7,210428	7,337688	7,130496	8,12694	7,4834937	7,531708	0,04821433	1,033984338	---
17365398	5,479403	5,517537	5,610022	5,602191	5,524098	5,625348	5,535654	5,583879	0,048225	1,033991983	Sufu // Sufu
17324163	6,023093	5,960875	5,558577	5,942661	5,926499	5,818077	5,847515	5,895745667	0,04823067	1,033996044	Ephb3
17205593	4,732023	5,026683	5,033548	5,523659	4,173572	5,23975	4,9307513	4,978993667	0,04824233	1,034004406	---
17476618	5,417386	5,855189	5,30978	5,38154	5,643388	5,702164	5,5274517	5,575697333	0,04824567	1,034006795	---
17411779	4,218379	4,121768	4,367466	4,220668	4,518326	4,113361	4,235871	4,284118333	0,04824733	1,03400799	---
17253276	7,250836	7,050797	7,155069	7,147813	7,16266	7,290989	7,152234	7,200487333	0,04825333	1,03401229	Git1
17480074	4,682245	4,893329	4,190645	4,61897	4,755873	4,536146	4,5887397	4,636996333	0,04825667	1,034014679	E230029C05Rik
17233663	7,058782	7,172458	6,949158	7,372634	6,848912	7,103642	7,0601327	7,1083 96	0,04826333	1,034019457	---
17217428	6,188197	6,314119	6,762044	6,476227	6,326779	6,606146	6,4214533	6,469717333	0,048264	1,034019935	Myog
17312191	5,72473	5,778233	5,824371	5,681129	5,924363	5,866642	5,775778	5,824044667	0,04826667	1,034021846	4930572J05Rik
17233565	8,140489	8,127373	8,199379	8,139998	8,272046	8,200073	8,155747	8,204039	0,048292	1,034040004	Micu1
17511900	6,825583	6,767859	6,78275	6,757104	6,817879	6,946145	6,792064	6,840376	0,048312	1,034054339	Dok4
17502799	3,651537	3,673734	3,833177	3,609703	3,897973	3,795756	3,7194827	3,767810667	0,048328	1,034065807	Frem3
17450870	3,333584	2,977592	2,964091	3,110665	3,203367	3,106232	3,0917557	3,140088	0,04833233	1,034068913	Vmn2r10
17284439	6,95509	6,546498	6,763493	6,810961	6,820108	6,779016	6,755027	6,803361667	0,04833467	1,034070585	---
17514828	10,84419	11,25306	11,39142	11,33907	11,27871	11,01593	11,16289	11,21123667	0,04834667	1,034079186	Taf1d
17345706	8,460593	8,452269	8,42488	8,460203	8,471388	8,55122	8,445914	8,494270333	0,04835633	1,034086115	Tomm6
17384525	10,11631	10,23155	10,22748	10,20591	10,21617	10,29835	10,19178	10,24014333	0,04836333	1,034091133	Ndufa8
17311152	12,20877	12,34097	12,27664	12,31386	12,29737	12,36026	12,27546	12,32383	0,04837	1,034095911	---
17316737	12,20877	12,34097	12,27664	12,31386	12,29737	12,36026	12,27546	12,32383	0,04837	1,034095911	---
17232003	9,490303	9,445052	9,49029	9,586018	9,493051	9,491804	9,475215	9,523624333	0,04840933	1,034124105	Hbs1l
17315331	7,463314	7,638305	7,646413	7,670467	7,745358	7,477469	7,5826773	7,631098	0,04842067	1,034132229	Zfp740
17243215	4,68874	5,034186	4,879078	4,748298	5,153095	4,845881	4,8673347	4,915758	0,04842333	1,03413414	---
17313953	3,561466	3,574971	3,646207	3,683318	3,712535	3,532087	3,5942147	3,642646667	0,048432	1,034140352	---
17366241	7,262024	6,661684	7,043936	6,994986	6,968596	7,149367	6,9892147	7,037649667	0,048435	1,034142503	Csprs
17526501	5,033668	4,814318	4,953967	4,896333	5,071432	4,979506	4,9339843	4,982423667	0,04843933	1,034145609	1700003G13Rik

17220900	4,115589	4,514338	4,381931	4,23816	4,368458	4,550585	4,337286	4,385734333	0,04844833	1,03415206	1700065J18Rik
17328866	4,293609	4,160459	4,072301	4,16138	4,106339	4,404037	4,1754563	4,223918667	0,04846233	1,034162096	4933432I09Rik
17510836	8,020732	8,053723	7,752544	7,917356	7,976236	8,078806	7,942333	7,990799333	0,04846633	1,034164963	Usp38
17320457	7,773997	7,89903	7,873851	7,878245	7,929934	7,884182	7,8489593	7,897453667	0,04849433	1,034185035	Lmf2
17466765	4,499972	4,377329	4,811953	4,565076	4,645235	4,624426	4,5630847	4,611579	0,04849433	1,034185035	---
17284633	7,649167	7,413031	7,518212	7,679972	7,44337	7,602554	7,5268033	7,575298667	0,04849533	1,034185752	Ighv1-72 // Ighv1-72
17410956	4,041486	3,88561	3,970544	4,072468	3,8922	4,078501	3,96588	4,014389667	0,04850967	1,034196026	Clca5
17459870	6,539165	6,412033	6,436121	6,674458	6,544957	6,313461	6,4624397	6,510958667	0,048519	1,034202717	Loxl3
17386540	6,302996	6,248538	6,250088	6,359559	6,29557	6,292059	6,2672073	6,315729333	0,048522	1,034204867	Wipf1
17240963	3,627967	3,604822	3,535787	3,610133	3,623225	3,680822	3,5895253	3,63806	0,04853467	1,034213948	4933403O03Rik
17337110	4,852064	4,661363	4,667133	4,446401	4,793577	5,086225	4,7268533	4,775401	0,04854767	1,034223267	H2-Q5
17416427	11,03668	10,91265	10,77862	10,89591	10,9237	11,05399	10,909317	10,95786667	0,04855	1,03422494	Tmem59
17221240	9,931139	10,19437	10,07996	10,18573	10,18428	9,981123	10,06849	10,11704433	0,04855467	1,034228285	---
17258789	7,205084	7,239746	7,224628	7,35594	7,138571	7,320678	7,2231527	7,271729667	0,048577	1,034244295	Tnrc6c
17457719	4,533635	4,453592	4,319151	4,627896	4,420289	4,403946	4,4354593	4,484043667	0,04858433	1,034249552	---
17466386	5,624543	5,949429	5,79617	5,825719	5,874953	5,815224	5,7900473	5,838632	0,04858467	1,034249791	Fam131b
17484409	6,392769	6,170068	6,24108	6,375031	6,312888	6,261793	6,2679723	6,316570667	0,04859833	1,034259589	Gpr123
17408509	10,12595	10,19038	9,956919	10,13921	10,15787	10,12203	10,091083	10,13970333	0,04862033	1,034275361	Atp1a1
17269556	9,363482	9,404248	9,475596	9,521683	9,406299	9,461313	9,414442	9,463098333	0,04865633	1,03430117	Dnajc7
17376993	3,984876	4,075479	4,115668	4,102868	4,120373	4,0988	4,0586743	4,107347	0,04867267	1,034312879	Pcsk2
17275003	3,281131	3,472756	3,458397	3,42676	3,557688	3,373864	3,4040947	3,452770667	0,048676	1,034315269	Agr3
17517346	5,736159	5,811265	5,741405	5,612882	6,03212	5,789958	5,762943	5,811653333	0,04871033	1,034339884	Cul5 // Cul5
17382156	9,239347	9,187716	9,129184	9,20082	9,256115	9,245483	9,1854157	9,234139333	0,04872367	1,034349444	Abi1
17464943	3,47384	3,671199	3,686612	3,431082	3,916258	3,630483	3,6105503	3,659274333	0,048724	1,034349683	Ppp1r3a
17431036	7,902052	7,923952	7,9382	7,782164	8,168631	7,959617	7,9214013	7,970137333	0,048736	1,034358286	Nudc
17441275	7,57923	7,610838	7,553025	7,681375	7,487798	7,720158	7,581031	7,629777	0,048746	1,034365456	Cit
17294738	5,878464	6,307231	5,779911	5,955696	6,054604	6,101612	5,9885353	6,037304	0,04876867	1,034381707	Vcan
17363977	12,23956	12,45331	12,45815	12,48307	12,46359	12,35068	12,383673	12,43244667	0,04877333	1,034385053	---
17549082	3,024644	2,940934	2,890607	2,906655	3,069057	3,026816	2,9520617	3,000842667	0,048781	1,03439055	---
17380799	8,434286	8,691494	8,411848	8,542242	8,648981	8,492759	8,5125427	8,561327333	0,04878467	1,034393179	Ogfr
17491800	5,941061	5,811599	5,646473	5,674504	5,869975	6,001042	5,799711	5,848507	0,048796	1,034401305	Fan1
17547823	3,459248	3,660355	3,904541	3,918921	3,453703	3,797913	3,6747147	3,723512333	0,04879767	1,0344025	---
17541469	3,846655	3,764238	3,994794	3,817413	3,861123	4,073568	3,8685623	3,917368	0,04880567	1,034408236	Gm595
17333549	5,152839	4,936815	5,101292	5,253649	4,992453	5,091285	5,0636487	5,112462333	0,04881367	1,034413972	Dll1
17517792	5,183654	5,454747	5,197559	5,273615	5,384109	5,324754	5,2786533	5,327492667	0,04883933	1,034432375	Arid3b
17263140	3,682171	3,67079	3,65416	3,83814	3,695188	3,620342	3,6690403	3,71789	0,04884967	1,034439784	---
17497612	10,33468	10,4005	10,41296	10,47103	10,42532	10,39838	10,382713	10,43157667	0,04886333	1,034449583	Echs1
17371281	5,04698	4,918015	5,031351	4,912667	5,173083	5,057186	4,998782	5,047645333	0,04886333	1,034449583	Scn9a
17403282	10,45281	10,41171	10,31113	10,38617	10,5769	10,35928	10,391883	10,44078333	0,0489	1,034475875	Ccbl2
17485855	9,03572	9,185536	9,057394	9,098131	9,230943	9,096294	9,0928833	9,141789333	0,048906	1,034480177	Ppp6r1
17543290	6,828515	6,713468	6,643192	6,815814	6,758906	6,757177	6,7283917	6,777299	0,04890733	1,034481133	Arhgef9
17277424	7,307737	7,274291	7,25419	7,402427	7,30773	7,272795	7,2787393	7,327650667	0,04891133	1,034484001	Ttll5
17392076	10,54365	10,60506	10,65132	10,79428	10,60931	10,54325	10,60001	10,64894667	0,04893667	1,034502167	Hao1
17304005	4,222102	4,183022	4,350966	4,205945	4,346546	4,350415	4,25203	4,300968667	0,04893867	1,034503601	Gm10248
17212269	4,164236	4,000161	4,105291	4,091063	4,263869	4,061589	4,089896	4,138840333	0,04894433	1,034507664	Slc9a4
17218393	8,431317	8,365479	8,111753	8,393917	8,224877	8,436607	8,3028497	8,351800333	0,04895067	1,034512205	Tor1aip2
17215113	4,336146	4,165556	4,710007	4,471206	4,655562	4,2318	4,403903	4,452856	0,048953	1,034513879	---
17283203	8,312873	8,17625	8,062692	8,287617	8,220007	8,191067	8,1839383	8,232897	0,04895867	1,034517942	Foxn3
17492074	3,651848	3,403144	3,773602	3,25104	3,945053	3,779415	3,6095313	3,658502667	0,04897133	1,034527025	---
17218643	12,72788	12,68506	12,52632	12,68676	12,65809	12,74136	12,64642	12,69540333	0,04898333	1,03453563	Serpinc1
17518172	8,699357	8,662608	8,519361	8,751402	8,557794	8,719119	8,6271087	8,676105	0,04899633	1,034544952	Anp32a
17524939	4,19433	3,796093	3,788001	3,896016	4,063105	3,966303	3,9261413	3,975141333	0,049	1,034547582	1810064F22Rik
17328719	7,310885	7,256557	7,320517	7,327884	7,443253	7,263854	7,2959863	7,344997	0,04901067	1,034555231	Thap7
17255907	6,00357	5,979964	5,964593	6,126521	6,073354	5,895295	5,982709	6,031723333	0,04901433	1,03455786	Rpl19
17342897	8,932783	9,017181	9,011194	8,968279	9,049145	9,090791	8,9870527	9,036071667	0,049019	1,034561206	Srpk1
17548415	5,037478	5,120284	5,380308	5,517383	4,907351	5,260407	5,1793567	5,228380333	0,04902367	1,034564553	Gm19344 // Gm19344
17261285	4,033164	4,024265	4,184134	4,169418	4,139425	4,079854	4,080521	4,129565667	0,04904467	1,034579612	---
17327487	6,152941	5,805751	6,255046	6,019145	6,192896	6,148831	6,071246	6,120290667	0,04904467	1,034579612	---
17262346	12,32849	12,20062	12,1505	12,21444	12,39363	12,21869	12,226537	12,27558667	0,04905	1,034583437	---
17494808	4,854871	5,088999	5,045238	5,117949	5,088539	4,929774	4,9963693	5,045420667	0,04905133	1,034584393	Olfr509
17373644	7,881014	7,768638	7,696826	7,777579	7,820195	7,895876	7,7821593	7,831216667	0,04905733	1,034588696	Traf6
17333262	3,341463	3,623295	3,595345	3,583158	3,665094	3,459076	3,5200343	3,569109333	0,049075	1,034601365	---
17364350	7,288298	7,743606	7,633384	7,542681	7,729026	7,540832	7,555096	7,604179667	0,04908367	1,03460758	5730455O13Rik
17493453	4,33206	4,277143	4,177019	4,336609	4,41228	4,184628	4,262074	4,311172333	0,04909833	1,034618098	Clns1a
17283905	6,52146	6,545499	6,666072	6,504883	6,738946	6,636517	6,577677	6,626782	0,049105	1,034622879	Hhipl1
17457671	6,547703	6,431767	6,741355	6,674591	6,600629	6,592935	6,5736083	6,622718333	0,04911	1,034626465	---
17202131	3,441402	2,882261	2,967003	3,289712	3,018262	3,130106	3,0968887	3,146026667	0,049138	1,034646545	---
17206743	5,453182	5,695348	5,876793	5,666	5,752083	5,754671	5,6751077	5,724251333	0,04914367	1,034650609	---
17475410	3,876827	3,602829	3,932795	3,970721	3,876827	3,712348	3,8041503	3,853298667	0,04914833	1,034653956	Nlrp4a
17526310	5,618726	5,700421	5,789783	5,797081	5,649916	5,809465	5,7029767	5,752154	0,04917733	1,034674754	Cxcr5
17436574	10,6617	10,66584	10,67456	10,69366	10,68765	10,76835	10,667367	10,71655333	0,04918667	1,034681448	Rnf4
17232634	6,584421	6,498168	6,598652	6,47159	6,674587	6,682648	6,5604137	6,609608333	0,04919467	1,034687185	Tube1
17542080	3,324832	3,281239	3,346017	3,23568	3,359573	3,50443	3,3173627	3,366561	0,04919833	1,034689815	Mir878
17418154	4,121398	4,057492	3,914419	3,92427	4,093055	4,223584	4,031103	4,080303	0,0492	1,03469101	Oxct2b
17496898	6,555006	6,392428	6,665353	6,579417	6,539628	6,641346	6,5375957	6,586797	0,04920133	1,034691966	---
17402681	7,667099	7,867355	7,294253	7,552328	7,775086	7,648924	7,609569	7,658779333	0,04921033	1,034698421	Papss1
17509806	5,115637	5,006288	5,163805	5,06176	5,231823	5,139811	5,0952433	5,144464667	0,04922133	1,03470631	---
17292071	7,964815	8,165406	7,992542	8,001305	8,148808	8,120332	8,040921	8,090148333	0,04922733	1,034710614	Nedd9
17353747	6,370474	6,623092	6,391438	6,441764	6,639368	6,451574	6,461668	6,510902	0,049234	1,034715395	Cd14
17246337	6,572986	6,738697	6,531666	6,688615	6,64544	6,656999	6,6144497	6,663684667	0,049235	1,034716112	Tmem198b
17449989	7,90685	7,661486	8,044683	8,11853	7,909286	7,732912	7,8710063	7,920242667	0,04923633	1,034717069	Rasgef1b
17238278	12,58342	12,6381	12,66701	12,66652	12,64457	12,72515	12,62951	12,67874667	0,04923667	1,034717308	Atp5b
17540486	4,267259	5,056201	4,899266	4,516827	4,611245	5,242479	4,7409087	4,790183667	0,049275	1,034744801	---
17329922	4,641842	4,689768	4,612983	4,64195	4,631398	4,819086	4,6481977	4,697478	0,04928033	1,034748626	---
17261778	5,027686	4,931645	5,172496	4,984127	5,284533	5,011011	5,0439423	5,093223667	0,04928133	1,034749344	Odz2
17291174	4,531716	4,39686	4,503443	4,56461	4,475161	4,540114	4,4773397	4,526628333	0,04928867	1,034754603	1700024h08rik
17337583	3,159446	3,231658	3,462363	3,532665	3,504427	2,964269	3,284489	3,333787	0,049298	1,034761298	Olfr118
17516731	4,832062	4,900351	4,597141	4,83551	4,836805	4,805151	4,776518	4,825822	0,049304	1,034765601	Scn2b
17304147	8,149811	8,261984	8,236933	8,355341	8,219522	8,221783	8,2162427	8,265548667	0,049306	1,034767035	Zcchc24
17275545	7,347819	7,564569	7,441284	7,473457	7,427636	7,600499	7,451224	7,500530667	0,04930667	1,034767514	1110008L16Rik
17229681	9,06235	9,220472	9,152346	9,229718	9,174381	9,179007	9,145056	9,194368667	0,04931267	1,034771817	Ppox
17495201	4,416379	4,486455	4,671176	4,526934	4,601541	4,593503	4,52467	4,573992667	0,04932267	1,03477899	---
17208575	7,092478	6,434453	6,488133	6,665308	6,866207	6,631547	6,671688	6,721020667	0,04933267	1,034786162	---
17362544	7,268033	7,231277	7,313097	7,324631	7,263223	7,372597	7,2708023	7,320150333	0,049348	1,03479716	Asrgl1
17407017	6,444415	6,440794	6,838361	6,648949	6,605828	6,616881	6,5745233	6,623886	0,04936267	1,03480768	Adam15
17443181	8,027913	8,014217	7,878067	7,99781	7,980839	8,089653	7,973399	8,022767333	0,04936833	1,034811745	Dnajc30
17204517	5,100047	4,752774	4,455166	4,807924	5,144171	4,504002	4,769329	4,818699	0,04937	1,03481294	---
17298582	3,881507	3,665303	4,083454	3,94611	3,883897	3,948376	3,8767547	3,926127667	0,049373	1,034815092	Gm2990
17301768	6,106203	5,855303	5,961204	5,948503	6,24504	5,877371	5,9742367	6,023638	0,04940133	1,034835415	Hr
17213669	4,281181	4,229569	4,231486	4,294811	4,478846	4,116799	4,247412	4,296818667	0,04940667	1,034839241	---
17317211	11,1537	11,42032	11,25292	11,34199	11,23002	11,40316	11,275647	11,32505667	0,04941	1,034841632	---
17467060	3,913418	3,540285	3,37234	3,689203	3,707592	3,577484	3,608681	3,658093	0,049412	1,034843066	---
17282518	11,52271	11,4852	11,42768	11,55442	11,52774	11,50167	11,47853	11,52794333	0,04941333	1,034844023	Aldh6a1
17209769	6,235316	6,041712	5,802012	6,506508	5,767837	5,952957	6,0263467	6,075767333	0,04942067	1,034849283	---
17263008	9,689705	9,198277	9,056723	9,340639	9,510585	9,241745	9,3149017	9,364323	0,04942133	1,034849761	---
17501721	6,84611	6,880564	6,790361	6,838205	7,039082	6,788062	6,8390117	6,888449667	0,049438	1,034861716	Gmip
17357163	5,952778	5,91214	5,872993	5,978522	5,883017	6,024747	5,912637	5,962095333	0,04945833	1,034876302	1700092M07Rik
17477220	5,928138	5,882329	6,346894	5,978055	6,221764	6,105925	6,0524537	6,101914667	0,049461	1,034878215	Klk10
17235604	5,33611	5,541409	5,834232	5,700646	5,541409	5,618094	5,5705837	5,620049667	0,049466	1,034881801	Zfr2
17548848	3,180753	3,133405	3,148266	3,333794	3,140503	3,136532	3,1541413	3,203609667	0,04946833	1,034883475	4930550L24Rik // 4930550L24Rik
17207013	3,649457	3,652068	4,800417	3,892296	4,017824	4,340262	4,0339807	4,083460667	0,04948	1,034891844	---
17405443	4,596129	4,419236	4,67154	4,53869	4,737279	4,5594	4,5623017	4,611789667	0,049488	1,034897582	Fam188b2
17425160	9,263584	9,060024	9,022455	9,11693	9,151649	9,225972	9,1153543	9,164850333	0,049496	1,034903321	Erp44
17241765	7,517372	7,388346	7,621143	7,489606	7,503861	7,681895	7,5089537	7,5584	0,04950033	1,03490643	Tfam
17515837	3,530352	3,570704	3,452771	3,440571	3,775506	3,486284	3,5179423	3,567453667	0,04951133	1,03491432	---
17550847	8,976708	9,102273	9,028992	9,024199	9,189272	9,043046	9,035991	9,085505667	0,04951467	1,034916712	---
17541713	11,48121	11,736	11,52203	11,54439	11,64199	11,70141	11,579747	11,62926333	0,04951667	1,034918146	---
17225531	6,54951	6,669757	6,697581	6,687704	6,840857	6,536878	6,6389493	6,688479667	0,04953033	1,03492795	---
17356422	7,43658	7,163201	7,287176	7,389066	7,296498	7,349998	7,2956523	7,345187333	0,049535	1,034931298	AI837181
17437156	6,530717	6,295261	6,05114	6,334489	6,384109	6,307158	6,2923727	6,341918667	0,049546	1,034939189	Cc2d2a
17441361	5,985287	5,979172	5,991401	5,949214	5,985287	6,170091	5,9852867	6,034864	0,04957733	1,034961666	9530046B11Rik
17393244	8,157611	8,141392	8,141478	8,154991	8,153379	8,280887	8,146827	8,196419	0,049592	1,034972188	Ncoa6
17333584	4,262249	4,475226	4,622462	4,795236	4,235485	4,478049	4,4533123	4,502923333	0,049611	1,034985819	4933401D09Rik // 4933401D09Rik
17316015	5,435978	5,447444	5,406586	5,598531	5,337734	5,502615	5,4300027	5,479626667	0,049624	1,034995145	Rxfp3
17518553	3,682539	3,695564	3,8106	3,746241	3,739223	3,852111	3,7295677	3,779191667	0,049624	1,034995145	Gm514
17280368	4,130531	4,700449	4,806396	4,646574	4,496902	4,642783	4,545792	4,595419667	0,04962767	1,034997775	Allc
17302697	5,12007	5,058682	5,223139	5,306028	4,951829	5,29293	5,1339637	5,183595667	0,049632	1,035000884	---
17218861	11,23109	11,22693	11,11001	11,1724	11,30907	11,23548	11,189343	11,23898333	0,04964	1,035006623	F5
17318650	8,046773	8,037426	7,952095	8,013463	8,14344	8,028317	8,012098	8,06174	0,049642	1,035008058	Cyhr1
17266749	6,988296	6,834016	6,875546	7,078462	6,698773	7,069584	6,899286	6,948939667	0,04965367	1,035016428	1700071K01Rik
17466099	3,047915	3,273962	3,124641	3,274594	3,237895	3,08301	3,1488393	3,198499667	0,04966033	1,035021211	---
17228790	6,348318	6,384969	6,542181	6,649738	6,498043	6,2767	6,425156	6,474827	0,049671	1,035028863	Gpr52
17386052	4,581402	4,345506	4,565916	4,429713	4,502667	4,709479	4,497608	4,547286333	0,04967833	1,035034124	Scn9a
17487668	4,219091	4,409405	4,210526	4,384903	4,268941	4,334222	4,279674	4,329355333	0,04968133	1,035036277	Vmn1r176

17383619	6,778992	6,946481	7,215794	6,993346	7,141771	6,95521	6,9804223	7,030109	0,04968667	1,035040103	Sh3glb2
17498847	6,42108	6,605159	6,6621	6,651258	6,540775	6,645404	6,5627797	6,612479	0,04969933	1,035049191	Lass4
17426336	3,922131	3,977423	4,080698	3,864944	4,099092	4,165325	3,9934173	4,043120333	0,049703	1,035051821	Gm11213
17443924	7,641069	7,150974	7,381534	7,332257	7,444467	7,545997	7,3911923	7,440907	0,04971467	1,035060191	Heatr2
17420436	8,442086	7,01291	7,526197	8,442954	7,3123	7,375085	7,6603977	7,710113	0,04971533	1,03506067	---
17232853	6,365239	6,367274	6,558538	6,532758	6,5978	6,309653	6,4303503	6,480070333	0,04972	1,035064018	Mical1
17546382	3,140921	3,358885	3,440099	3,279392	3,510989	3,29871	3,3133017	3,363030333	0,04972867	1,035070236	---
17487927	6,231688	6,235666	6,304101	6,379474	6,236054	6,305115	6,2571517	6,306881	0,04972933	1,035070714	Lipe
17545839	7,982147	8,098434	7,929529	7,996293	8,000923	8,162085	8,00337	8,053100333	0,04973033	1,035071432	Reps2
17285769	3,091739	3,058248	3,426995	3,307145	2,939525	3,479559	3,1923273	3,242076333	0,049749	1,035084824	Vmn1r-ps103
17438647	3,327203	3,2509	3,036213	3,29327	3,138053	3,332299	3,204772	3,254540667	0,04976867	1,035098934	---
17324619	7,080623	6,697299	6,980771	6,881358	6,949615	7,077048	6,9195643	6,969340333	0,049776	1,035104196	4632428C04Rik
17476650	3,014957	3,077371	3,329053	3,375042	3,088556	3,107173	3,1404603	3,190257	0,04979667	1,035119024	Gm5632
17415010	3,259151	3,352741	3,442944	3,529287	3,262243	3,412812	3,351612	3,401447333	0,04983533	1,035146767	---
17361008	7,741972	7,709345	7,767176	7,741013	7,858876	7,768136	7,7394977	7,789341667	0,049844	1,035152986	Tcirg1
17434404	3,770579	4,016637	3,804893	3,784013	4,027281	3,930399	3,8640363	3,913897667	0,04986133	1,035165423	4932412H11Rik
17277370	7,295034	7,546192	7,519118	7,494744	7,497801	7,517399	7,453448	7,503314667	0,04986667	1,035169249	Eif2b2
17376549	4,736221	4,433585	4,540217	4,812716	4,675054	4,371887	4,5700077	4,619885667	0,049878	1,035177381	Prnd
17202793	6,122029	5,756281	6,18267	6,696913	5,662287	5,851433	6,0203267	6,070211	0,04988433	1,035181926	---
17237170	8,124249	8,336246	8,168921	8,279536	8,359679	8,13988	8,2098053	8,259698333	0,049893	1,035188144	Pawr
17423265	7,698233	7,727718	7,589725	7,586299	7,800351	7,778715	7,671892	7,721788333	0,04989633	1,035190536	Dpy19l4
17296836	7,342672	7,077291	6,660252	7,300754	6,877426	7,05181	7,0267383	7,076663333	0,049925	1,035211106	Gm5458
17370485	5,386271	5,42311	5,564863	5,531359	5,472088	5,520602	5,4580813	5,508016333	0,049935	1,035218281	Mir181b-2
17238872	7,12141	7,226717	7,111562	7,271587	7,24323	7,094728	7,1532297	7,203181667	0,049952	1,03523048	Syne1
17205725	6,614353	6,366722	6,897811	7,017635	6,438061	6,573055	6,6262953	6,676250333	0,049955	1,035232633	---
17217216	8,805278	8,957734	8,718221	8,839016	8,865911	8,926171	8,8270777	8,877032667	0,049955	1,035232633	Rbbp5
17224433	7,894137	7,689906	7,724199	7,797345	7,857308	7,803484	7,769414	7,8193979	0,049965	1,035239808	Ihh
17241157	5,037731	4,99385	5,33476	5,124427	5,288973	5,102839	5,1221137	5,172079667	0,049966	1,035240526	Pldi
17404296	4,986994	4,988603	5,320917	5,008464	5,354326	5,083632	5,098838	5,148807333	0,04996933	1,035242918	Crh
17246043	10,64474	10,66331	10,82694	10,84548	10,66175	10,77769	10,711663	10,76164	0,04997667	1,03524818	Rdh7
17460603	6,690978	6,76184	6,565756	6,585758	6,696544	6,886221	6,672858	6,722841	0,049983	1,035252725	8430410A17Rik
17393539	8,874818	9,076023	8,973082	9,01409	9,072577	8,987234	8,974641	9,024633667	0,04999267	1,035259662	2900097C17Rik
17261003	4,516859	3,935542	3,732348	4,057089	4,279408	3,998246	4,061583	4,111581	0,049998	1,035263489	---
17220921	6,709808	6,911451	6,797645	6,936168	6,718811	6,913938	6,8063013	6,856305667	0,05000433	1,035268033	A130010J15Rik
17493390	4,814999	5,445774	5,270689	5,294823	5,276289	5,110365	5,177154	5,227159	0,050005	1,035268512	Gm15413
17323929	10,13121	10,30253	10,22754	10,27135	10,27135	10,26863	10,220427	10,27044333	0,05001667	1,035276884	Ap2m1
17441537	6,204411	6,235875	6,109639	6,238863	6,238628	6,222544	6,1833083	6,233345	0,05003667	1,035291236	---
17541693	6,173117	6,148696	6,34834	6,4525	6,077539	6,2903	6,2233843	6,273446333	0,050062	1,035309415	Mir717
17549440	6,015856	6,062297	6,119332	6,193632	6,039539	6,114504	6,0658283	6,115891667	0,05006333	1,035310372	---
17549828	6,015856	6,062297	6,119332	6,193632	6,039539	6,114504	6,0658283	6,115891667	0,05006333	1,035310372	---
17549876	6,015856	6,062297	6,119332	6,193632	6,039539	6,114504	6,0658283	6,115891667	0,05006333	1,035310372	---
17549878	6,015856	6,062297	6,119332	6,193632	6,039539	6,114504	6,0658283	6,115891667	0,05006333	1,035310372	---
17495830	10,60876	11,03784	10,79842	10,80948	10,85903	10,92671	10,815007	10,86507333	0,05006667	1,035312764	Gm9234
17282019	7,897998	8,099149	8,061525	8,019562	8,052358	8,136956	8,0195573	8,069625333	0,050068	1,035313721	Mir5135
17486781	8,548875	8,602377	8,673586	8,61707	8,761887	8,596102	8,6082793	8,658353	0,05007367	1,035317788	Sepw1
17207539	7,110848	6,943973	6,887077	7,396613	6,879847	6,815714	6,9806327	7,030724667	0,050092	1,035330944	---
17205305	6,762977	6,51809	6,948102	6,78988	7,245774	6,343836	6,7430563	6,793163333	0,050107	1,035341709	---
17387704	3,153043	3,229132	3,304476	3,177417	3,388273	3,271356	3,2288837	3,279015333	0,05013167	1,035359411	Olfr1087
17534497	7,035919	7,092506	7,168706	7,156943	7,129081	7,161508	7,0990437	7,149177333	0,05013367	1,035360846	Ocrl
17448376	4,391365	4,645334	4,708721	4,557954	4,742586	4,595292	4,5818067	4,631944	0,05013733	1,035363478	9130230L23Rik
17427427	4,418943	4,187938	4,511476	4,533641	4,262497	4,472638	4,3727857	4,422925333	0,05013967	1,035365152	Gm12695
17450645	6,795568	6,515561	6,508471	6,517596	6,669118	6,783343	6,6065333	6,656685667	0,05015233	1,035374243	Glmn
17284432	6,220263	6,173804	6,158117	6,080194	6,171976	6,450486	6,1840613	6,234218667	0,05015733	1,035377831	Igk-V1 // Igk-V1
17312551	6,002406	6,05639	6,077359	6,268423	5,940877	6,077359	6,045385	6,095553	0,050168	1,035385486	Ppp1r16a
17493658	7,585476	7,791139	7,691954	7,824402	7,759027	7,635658	7,689523	7,739695667	0,05017267	1,035388835	Serpinh1
17393008	4,378648	4,428931	4,52782	4,378648	4,708493	4,39885	4,445133	4,495330333	0,05019733	1,035406538	Dusp15
17295112	5,214107	5,346152	5,466363	5,231616	5,566101	5,379497	5,3422073	5,392404667	0,05019733	1,035406538	Crhbp
17254366	7,795367	7,836317	7,79039	7,746304	7,946046	7,880319	7,807358	7,857556333	0,05019833	1,035407256	Synrg
17495983	5,02058	4,892859	4,970768	4,989314	5,169318	4,876182	4,9614023	5,011604667	0,05020233	1,035410127	4930413G21Rik
17391478	10,38211	10,41109	10,4992	10,55285	10,61304	10,27712	10,4308	10,48100333	0,05020333	1,035410844	---
17522284	8,658198	8,578639	8,616527	8,661275	8,696744	8,645983	8,617788	8,668000667	0,05021267	1,035417543	Smarcc1
17253431	8,406586	8,347068	8,346012	8,311298	8,498489	8,44055	8,3665553	8,416779	0,05022367	1,035425437	Flot2
17208177	3,638884	3,538661	3,977988	3,716216	3,805929	3,784078	3,718511	3,768741	0,05023	1,035429983	---
17254978	4,054762	3,993526	4,161465	4,174829	4,007413	4,178212	4,0699177	4,120151333	0,05023367	1,035432615	---
17329445	5,690148	5,466111	5,733002	5,59432	5,89168	5,553983	5,6297537	5,679994333	0,05024067	1,035437638	Lpp // Lpp
17423781	5,676995	5,776183	5,570745	5,608768	5,708505	5,857387	5,674641	5,724886667	0,05024567	1,035441227	Pm20d2
17533835	5,139123	4,528308	4,362148	4,851022	4,59491	4,734424	4,6765263	4,726785333	0,050259	1,035450797	---
17533874	5,139123	4,528308	4,362148	4,851022	4,59491	4,734424	4,6765263	4,726785333	0,050259	1,035450797	---
17540854	5,139123	4,528308	4,362148	4,851022	4,59491	4,734424	4,6765263	4,726785333	0,050259	1,035450797	E330016L19Rik
17411545	6,586089	6,456573	6,744264	6,7495	6,512476	6,67574	6,595642	6,645905333	0,05026333	1,035453907	6330407A03Rik
17330769	10,98922	11,02013	10,96748	11,00457	11,05611	11,06697	10,992277	11,04255	0,05027333	1,035461084	Ahcy
17412759	7,418291	7,526506	7,420895	7,436646	7,658971	7,420895	7,4552307	7,505504	0,05027333	1,035461084	2010003O02Rik
17330708	7,921058	7,927134	7,922557	8,027685	7,880736	8,013151	7,923583	7,973857333	0,05027433	1,035461802	Phldb2
17335983	5,271416	5,928874	5,526522	5,79767	5,533211	5,54676	5,575604	5,625880333	0,05027633	1,035463237	Gm9705
17524368	5,070508	4,97015	4,353981	4,811036	4,95653	4,777942	4,798213	4,848502667	0,05028967	1,035472807	Zfp560
17239048	4,078948	3,989043	3,995233	4,068179	4,112137	4,033793	4,0210747	4,071369667	0,050295	1,035476635	Lrp11 // Lrp11
17472085	4,55942	4,393685	4,769697	4,438938	4,598033	4,836756	4,5742673	4,624575667	0,05030833	1,035486205	Pbp2
17311096	5,736991	5,414382	5,650841	5,666991	5,6245	5,661654	5,600738	5,651048333	0,05031033	1,03548764	---
17494175	3,630785	3,541304	3,552717	3,492849	3,646953	3,735954	3,5749353	3,625252	0,05031667	1,035492186	Olfr607
17459392	3,632885	4,386611	3,929416	3,868092	4,080921	4,150893	3,9829707	4,033302	0,05033133	1,035502713	---
17484058	6,189281	5,571425	6,001902	5,934152	6,039729	5,939804	5,9208693	5,971228333	0,050359	1,035522571	Cpxm2
17378896	6,359796	6,596952	6,497187	6,783459	6,894891	5,926665	6,484645	6,535005	0,05036	1,035523289	---
17476625	3,129375	3,152122	3,124384	3,260328	3,128366	3,168324	3,1352937	3,185672667	0,050379	1,035536927	---
17356622	7,934156	8,001999	8,051821	7,972645	8,096846	8,06963	7,995992	8,046373667	0,05038167	1,035538841	Cdca5
17206631	4,543576	5,009294	5,789341	4,891704	5,160686	5,441051	5,1140703	5,164480333	0,05041	1,035559178	---
17524620	7,30616	7,239202	7,334307	7,27452	7,316644	7,439745	7,293223	7,343636333	0,05041333	1,035561571	Tyk2
17462684	4,474904	4,019706	4,013778	4,135486	4,559823	3,964385	4,1694627	4,219898	0,05043533	1,035577362	---
17504242	7,422863	7,450122	7,631814	7,72331	7,455417	7,477392	7,5015997	7,552039667	0,05044	1,035580712	Katnb1
17502460	10,71083	10,81382	10,7732	10,66384	10,7977	10,98763	10,76595	10,81639	0,05044	1,035580712	---
17310223	3,011047	3,006627	2,82792	2,987855	2,970638	3,038463	2,9485313	2,998985333	0,050454	1,035590761	LOC100505224
17427262	3,978007	3,871786	3,866729	4,007953	3,90443	3,955515	3,9055073	3,955966	0,05045867	1,035594111	Lrrc19
17536238	3,98563	3,840086	4,136385	3,886036	4,108541	4,118911	3,987367	4,037829333	0,05046233	1,035596743	---
17366942	2,887733	2,885787	2,975794	2,854046	3,100713	2,945972	2,916438	2,966910333	0,05047233	1,035603921	Mir669i
17222104	3,765606	3,451737	3,464216	3,513412	3,691136	3,628454	3,5605197	3,611000667	0,050481	1,035610143	---
17328958	7,403095	7,291647	7,339876	7,341789	7,581522	7,262761	7,3448727	7,395357333	0,05048467	1,035612775	Gp1bb
17343580	10,55133	10,62787	10,58668	10,58312	10,7116	10,62269	10,588627	10,63913667	0,05051	1,03563096	Hnrnpm
17505774	8,000729	8,295994	8,049809	8,227133	8,213041	8,057898	8,1155107	8,166024	0,05051333	1,035633353	Gabarapl2
17265989	7,655439	7,839668	7,794943	7,617475	7,939362	7,88479	7,76335	7,813875667	0,05052567	1,035642206	Wdr81
17221444	5,350826	5,523834	5,346159	5,597581	5,307315	5,467507	5,4069397	5,457467667	0,050528	1,035643881	4930444P10Rik
17202381	7,065054	6,329112	6,474111	6,653575	6,579515	6,786779	6,622759	6,673289667	0,05053067	1,035645795	---
17322051	5,555063	5,423083	5,448429	5,49879	5,677464	5,401939	5,475525	5,526064333	0,05053933	1,035652017	Krt77
17389273	4,701555	4,368441	4,491432	4,663893	4,596883	4,452279	4,520476	4,571018333	0,05054233	1,03565417	Olfr1290
17466996	7,047928	6,720631	6,874093	6,891814	6,929291	6,973236	6,880884	6,931447	0,050563	1,035669006	Fkbp14
17254840	5,231043	5,043907	5,608243	5,295988	5,386734	5,352177	5,2943977	5,344966333	0,05056867	1,035673074	Bzrap1
17283966	3,282583	3,304467	3,410128	3,361824	3,555848	3,231223	3,3323927	3,382965	0,05057233	1,035675707	Mir380 // Mir380
17512628	6,667433	7,014412	6,912693	6,551676	7,213445	6,981134	6,864846	6,915418333	0,05057233	1,035675707	Dpep2
17407471	9,575954	9,618499	9,939612	9,764252	9,81568	9,705856	9,711355	9,761929333	0,05057433	1,035677142	---
17209803	6,20152	4,608924	5,276218	5,403666	6,394956	4,439792	5,3622207	5,412804667	0,050584	1,035684082	---
17278110	8,714017	8,928337	8,715468	8,851554	8,897755	8,760283	8,7859407	8,836530667	0,05059	1,035688389	Ubr7
17416758	10,2998	10,36598	10,10813	10,00456	10,53449	10,38664	10,25797	10,30856333	0,05059333	1,035690782	---
17373994	3,261401	3,267013	3,233765	3,212294	3,342351	3,35933	3,2540597	3,304658333	0,05059867	1,035694611	---
17315713	12,12339	12,05335	12,07243	12,04824	12,16657	12,18617	12,083057	12,13366	0,05060333	1,035697961	Atp5h // Atp5h
17357717	11,09152	11,21589	11,18052	11,24556	11,28807	11,10612	11,162643	11,21325	0,05060667	1,035700354	Scarna17
17259076	6,571619	6,492661	6,875426	6,406675	7,072933	6,611931	6,6465687	6,697129667	0,050611	1,035703465	Mir1932
17286870	7,335878	7,119949	7,222566	7,149495	7,364854	7,315889	7,226131	7,276746	0,050615	1,035706336	Sirt5
17233886	6,157617	6,047959	6,074842	6,120957	6,153847	6,157516	6,0934727	6,144106667	0,050634	1,035719976	Atoh7
17234146	5,839297	5,667203	5,912885	5,736159	6,008273	5,826861	5,8064617	5,857097667	0,050636	1,035721412	Fam13c
17207467	3,813832	4,563537	3,727403	3,851214	4,294478	4,110994	4,034924	4,085562	0,050638	1,035722848	---
17369721	7,241533	7,328799	7,488256	7,316773	7,443802	7,449947	7,3528627	7,403507333	0,05064467	1,035727634	Pomt1
17435180	4,424709	4,06687	4,539513	4,454884	4,216894	4,511279	4,3436973	4,394352333	0,050655	1,035735053	Lhfpl3
17414572	6,248888	6,415411	6,540727	6,478211	6,534616	6,344177	6,4016753	6,452334667	0,05065933	1,035738164	Bspry
17217145	8,021394	7,877168	7,854046	8,032958	7,992966	7,878695	7,917536	7,968206333	0,05067033	1,035746061	Elk4
17313801	5,126887	5,057655	4,974428	5,052511	5,159957	5,098553	5,05299	5,103673667	0,05068367	1,035755633	Ribc2
17223777	6,417941	6,21634	6,12184	6,198002	6,611662	6,098551	6,2520403	6,302738333	0,050698	1,035765924	Mettl21a
17486019	2,969127	2,713698	3,108423	3,130767	3,076886	2,735701	2,930416	2,981118	0,050702	1,035768795	Vmn1r56 // Vmn1r56
17305520	11,05303	11,2232	11,56079	11,27902	11,39305	11,31707	11,279007	11,32971333	0,05070667	1,035772146	Ear1
17463747	4,946731	4,87412	5,072688	4,968056	4,930713	5,146927	4,964513	5,015232	0,050719	1,035781	Gprc5a
17406760	8,732501	8,604056	8,577131	8,71077	8,679682	8,675397	8,637896	8,688616333	0,05072033	1,035781958	Sema4a
17360406	10,9207	10,89775	10,85572	10,85991	10,90481	11,06164	10,89139	10,94212	0,05073	1,035788898	Pdcd4
17414040	4,17543	4,167257	4,081546	4,026136	4,109211	4,441086	4,141411	4,192144333	0,05073333	1,035791291	---
17359945	9,071074	9,143013	8,895893	9,064352	9,037148	9,160767	9,03666	9,087422333	0,05076233	1,035812112	---
17270103	9,186994	8,75496	9,011289	8,804739	9,290453	9,010356	8,9844143	9,035182667	0,05076833	1,03581642	---
17299857	6,796405	6,57134	6,453	6,652513	6,70596	6,61458	6,606915	6,657684333	0,05076933	1,035817138	---
17299934	6,796405	6,57134	6,453	6,652513	6,70596	6,61458	6,606915	6,657684333	0,05076933	1,035817138	---

17547875	5,979864	5,946862	5,954976	6,041447	5,99857	5,993995	5,9605673	6,011337333	0,05077	1,035817616	LOC100862169
17508674	9,084753	9,073272	9,149409	9,113711	9,012608	9,333426	9,102478	9,153248333	0,05077033	1,035817856	Ubxn8
17458862	3,987566	3,989575	4,056915	4,064912	4,209724	3,911732	4,011352	4,062122667	0,05077067	1,035818095	Gm3279
17214147	3,105473	3,094266	3,155466	3,153102	3,512791	2,841635	3,1184017	3,169176	0,05077433	1,035820728	---
17302754	8,935112	8,872021	8,781979	8,912107	8,928432	8,900934	8,8630373	8,913824333	0,050787	1,035829822	Mbnl2
17515915	4,563962	4,594349	4,638205	4,640773	4,822065	4,486042	4,5988387	4,649626667	0,050788	1,03583054	4933422A05Rik
17438389	6,239964	6,261314	6,39884	6,488761	6,220048	6,343674	6,3000393	6,350827667	0,05078833	1,035830779	C530008M17Rik
17219450	10,68389	10,40019	10,73416	10,67008	10,73938	10,56115	10,60608	10,65687	0,05079	1,035831976	---
17298656	5,695759	5,507134	5,733676	5,790862	5,559438	5,73869	5,645523	5,69633	0,050807	1,035844182	Arhgap22
17353976	4,839073	4,798769	5,007874	4,885967	4,956107	4,956107	4,8819053	4,932727	0,05082167	1,035854712	---
17296286	5,68663	5,753252	4,937426	5,54705	5,24945	5,733314	5,4591027	5,509938	0,05083533	1,035864525	Gzma
17383892	12,23329	12,23718	12,20127	12,23782	12,34896	12,23747	12,223913	12,27475	0,05083667	1,035865482	Lcn2
17483337	8,789537	8,813633	8,806898	8,830303	8,813406	8,918972	8,803356	8,854227	0,050871	1,035890134	Srcap
17384441	8,415823	8,476231	8,332774	8,477538	8,449961	8,449961	8,408276	8,459153333	0,05087733	1,035894682	Rab14
17486603	5,324337	5,082947	5,446303	5,455341	5,342271	5,208667	5,284529	5,335426333	0,05089733	1,035909042	Zbtb45
17457975	3,111645	3,133373	3,102379	3,145942	3,139983	3,214218	3,115799	3,166714333	0,05091533	1,035921967	---
17358350	5,573093	5,107191	5,627732	5,246618	5,896321	5,317883	5,4360053	5,486940667	0,05093533	1,035936328	Dmrt1
17376891	4,107187	3,876641	4,177959	4,018977	4,135763	4,159927	4,053929	4,104889	0,05096	1,03595404	Sptlc3
17329479	11,86525	11,57551	11,6842	11,70314	11,76847	11,80625	11,70832	11,75928667	0,05096667	1,035958828	Cldn1
17424536	7,403583	7,493883	7,573533	7,51395	7,616779	7,493178	7,490333	7,541302333	0,05096933	1,035960742	Pigo
17411014	4,065091	3,884942	3,961165	3,995526	4,004457	4,064138	3,9703993	4,021373667	0,05097433	1,035964333	Gm10636
17207187	6,133053	6,145077	5,212218	5,972236	5,731583	5,939455	5,830116	5,881091333	0,05097533	1,035965051	---
17221709	5,755324	5,555737	5,72551	5,707933	5,726553	5,755033	5,678857	5,729839667	0,05098267	1,035970317	Rims1
17420121	5,231185	5,718575	5,464025	5,216739	5,818835	5,531168	5,4712617	5,522247333	0,05098567	1,035972471	---
17243219	4,905376	5,005091	5,072399	5,059514	4,921799	5,15459	4,9942887	5,045301	0,05101233	1,03599162	Nmrk2
17486525	7,869655	7,536929	7,425492	7,788817	7,665776	7,530534	7,610692	7,661709	0,051017	1,035994971	---
17468527	9,781805	9,782944	9,711967	9,649403	10,0061	9,774275	9,7589053	9,8099926	0,05102067	1,035997604	---
17269246	7,869833	7,451575	7,239345	7,484032	7,631942	7,59791	7,520251	7,571294667	0,05104367	1,036014121	Krtap4-13
17393353	6,287084	6,195289	6,458241	6,34769	6,31535	6,430732	6,313538	6,364590667	0,05105267	1,036020584	Mmp24
17262379	4,057387	3,805437	3,880277	4,181859	3,880439	3,834007	3,914367	3,965435	0,051068	1,036031595	---
17259374	8,359793	8,234665	8,344123	8,296005	8,41563	8,38015	8,3128603	8,363928333	0,051068	1,036031595	Mrpl12
17531591	6,147908	6,212247	6,199982	6,164767	6,320937	6,227704	6,1867123	6,237802667	0,05109033	1,036047633	Nbeal2
17455093	6,204282	6,228631	6,45153	6,340769	6,416111	6,280838	6,2948143	6,345906	0,05109167	1,03604859	Zkscan14
17496670	5,649822	6,077485	6,214715	5,852972	6,241045	6,001337	5,980674	6,031784667	0,05111067	1,036062235	9130019O22Rik
17201465	2,924515	3,494044	3,162613	3,274238	3,248251	3,212025	3,193724	3,244838	0,051114	1,036064629	---
17312418	6,339512	6,51364	6,540249	6,586059	6,483375	6,477347	6,464467	6,515593667	0,05112667	1,036073725	Fam203a
17491751	7,751021	7,715644	7,750307	7,971768	7,812499	7,586109	7,7389907	7,790125333	0,05113467	1,036079471	---
17302606	10,03683	10,1237	9,868742	10,04802	10,11333	10,02133	10,009757	10,06089333	0,051136	1,036080428	Tpm3
17535196	3,70345	3,773918	3,744644	3,83829	3,76547	3,77171	3,7406707	3,791823333	0,05115267	1,036092398	Gm14692
17542100	3,70345	3,773918	3,744644	3,83829	3,76547	3,77171	3,7406707	3,791823333	0,05115267	1,036092398	Gm14692
17312097	6,874681	6,935502	7,034852	7,071107	6,96427	6,963169	6,948345	6,999515333	0,05117033	1,036105085	Dennd3
17250115	3,86879	3,65368	3,755455	3,900491	3,833854	3,697097	3,7593083	3,810480667	0,05117233	1,036106522	Olfr311
17279699	3,752737	4,087486	3,780234	3,841397	3,989605	3,943029	3,8734857	3,924677	0,05119133	1,036120167	---
17445667	4,259938	3,978427	3,528656	3,807761	4,226701	3,886134	3,9223403	3,973532	0,05119167	1,036120406	---
17404956	5,043074	5,598207	5,554478	5,426027	5,671412	5,251913	5,3985863	5,449784	0,05119767	1,036124715	---
17314562	4,633985	4,438746	4,636107	4,628899	4,772176	4,461375	4,5696127	4,620816667	0,051204	1,036129264	---
17295394	9,782854	9,771926	9,638844	9,672008	9,846503	9,828753	9,731208	9,782421333	0,05121333	1,036135967	Fcho2
17430270	5,699784	5,55612	5,427062	5,631363	5,696368	5,50888	5,5609887	5,612203667	0,051215	1,036137164	Tlr12
17224882	5,216681	5,111815	5,187058	5,163672	5,175725	5,329903	5,1718513	5,2231	0,05124867	1,036161344	Col4a4
17447560	6,01883	6,048977	6,312732	6,393332	5,987319	6,153654	6,1268463	6,178101667	0,05125533	1,036166132	Evc
17539822	4,272654	3,994832	3,956144	3,928929	4,314188	4,134325	4,0745433	4,125814	0,05127067	1,036177144	Mir362
17523730	3,84154	3,518541	3,845088	3,817303	3,881018	3,660692	3,7350563	3,786337667	0,05128133	1,036184805	Ddi1
17399880	3,344943	3,157541	3,603364	3,496823	3,485801	3,277084	3,368616	3,419902667	0,05128667	1,036188636	Sprr2g
17433661	4,905309	5,014384	4,941876	4,931726	5,031299	5,052454	4,9538563	5,005159667	0,05130333	1,036200607	Actrt2
17366938	7,85523	7,453218	7,6987	7,887296	7,571869	7,701915	7,6690493	7,72036	0,05131067	1,036205874	Mir297a-4 // Mir297a-4
17500074	4,548603	4,429336	4,505421	4,510448	4,645583	4,481313	4,4944533	4,545781333	0,051328	1,036218323	Zmat4
17387906	4,024981	3,677198	4,912817	4,362492	4,210832	4,195706	4,2049987	4,256343333	0,05134467	1,036230294	---
17486292	4,036398	3,513423	3,311942	3,476882	3,738381	3,800543	3,6205877	3,671935333	0,05134767	1,036232449	Vmn2r44
17545327	4,781478	4,648897	4,760477	4,740993	4,751379	4,852574	4,730284	4,781648667	0,05136467	1,03624466	Tro
17473310	4,609124	4,582789	4,777319	4,82609	4,533097	4,764157	4,6564107	4,707781333	0,05137067	1,036248969	Eps8l1
17207737	4,970792	4,539773	4,763983	4,806264	4,707423	4,914976	4,7581827	4,809554333	0,05137167	1,036249688	---
17361141	6,816196	6,545859	6,672966	6,620471	6,791509	6,777159	6,6783403	6,729713	0,05137267	1,036250406	Carns1
17316432	3,343658	3,030898	3,01464	3,122859	3,329433	3,091054	3,129732	3,181115333	0,05138333	1,036258067	Mir599
17412883	6,736635	6,646418	6,542933	6,612322	6,823634	6,644239	6,6419953	6,693398333	0,051403	1,036272194	Dnaic1
17376783	4,964781	5,197133	4,958617	5,099604	5,034209	5,140936	5,040177	5,091583	0,051406	1,036274349	6330527O06Rik
17429331	5,002583	5,086775	4,930909	5,246219	4,855089	5,073219	5,0067557	5,058175667	0,05142	1,036284405	4930538K18Rik
17480237	3,153102	3,010206	4,027749	3,617373	3,569077	3,158872	3,397019	3,448440667	0,05142167	1,036285602	---
17441114	5,056048	5,109696	4,997528	5,045788	5,128606	5,143179	5,054424	5,105857667	0,05143367	1,036294221	---
17510624	4,19049	4,364694	4,169334	4,263618	4,379759	4,235444	4,241506	4,292940333	0,05143433	1,0362947	---
17270724	4,50363	4,690983	4,910755	4,54363	4,795298	4,920753	4,7017893	4,753227	0,05143767	1,036297095	Taco1
17346749	8,058778	8,003458	7,867469	7,9294	8,248609	7,906055	7,9765683	8,028021333	0,051453	1,036308109	Rab31
17207849	9,92725	9,756037	9,952894	10,1533	9,863255	9,773985	9,878727	9,93018	0,051453	1,036308109	---
17492598	9,003661	8,917573	8,973742	9,076933	8,930002	9,042402	8,964992	9,016445667	0,05145367	1,036308588	Furin
17363779	10,61386	10,59732	10,44531	10,60277	10,60954	10,59858	10,552163	10,60363	0,05146667	1,036317926	Ak3
17415028	6,667331	6,980875	6,76615	6,922087	6,762231	6,884466	6,8047853	6,856261333	0,051476	1,03632463	Snapc3
17246290	7,731385	7,889414	7,490524	7,789132	7,784865	7,691813	7,7037743	7,75527	0,05149567	1,036338757	Rab5b
17255227	5,839961	5,711237	5,900441	6,025737	5,940451	5,63994	5,817213	5,868709333	0,05149633	1,036339236	Chad
17275706	9,328403	9,48762	9,513111	9,590872	9,435058	9,457767	9,4430447	9,494565667	0,051521	1,036356955	Pnn
17409873	10,1254	10,09652	10,11842	9,991394	10,32854	10,17497	10,113447	10,164968	0,05152133	1,036357195	Tmem56
17488886	5,290671	5,030198	5,204951	5,385029	5,392711	4,902651	5,1752733	5,226797	0,05152367	1,036358871	Zfp940
17430140	6,820116	6,824407	6,966028	6,975438	6,833823	6,955868	6,8701837	6,921709667	0,051526	1,036360547	Ncdn
17392184	3,557039	3,356846	3,724305	3,614186	3,553498	3,625112	3,5460633	3,597598667	0,05153533	1,036367252	LOC545466
17299180	5,04407	5,031043	5,185011	4,989544	5,545481	4,879759	5,086708	5,138261333	0,05155333	1,036380182	Ptger2
17282139	7,069999	7,268224	7,031956	7,225703	7,192401	7,10674	7,123393	7,174948	0,051555	1,036381379	Pigh
17418999	8,268706	8,257719	8,241432	8,152586	8,369732	8,400208	8,2559523	8,307508667	0,05155633	1,036382337	Bsdc1
17288302	4,327848	4,15257	3,928726	3,739692	4,465206	4,358926	4,1363813	4,187941333	0,05156	1,036384971	Rsl1
17354356	3,548133	3,626355	3,540221	3,676494	3,589741	3,603189	3,5715697	3,623141333	0,05157167	1,036393352	Hdhd1a
17547660	5,487484	5,370821	4,99294	5,300617	5,264996	5,440383	5,2837483	5,335332	0,05158367	1,036401973	Gm20235
17203841	4,851018	5,337276	5,889947	5,271598	5,873134	5,088276	5,3594137	5,411002667	0,051589	1,036405804	---
17357551	9,026123	9,935443	9,72256	9,556229	9,57211	9,710557	9,5613753	9,612965333	0,05159	1,036406522	---
17301536	4,671621	4,724647	4,532562	4,601659	4,619833	4,862121	4,6429433	4,694537667	0,05159433	1,036409635	Ebf2
17445426	7,755454	7,567039	7,247335	7,398339	7,38026	7,946054	7,523276	7,574884333	0,05160833	1,036419693	Steap2
17404291	3,969808	3,897432	4,019637	3,880265	4,028677	4,132766	3,9622923	4,013902667	0,05161033	1,03642113	1700064H15Rik
17292941	6,345598	6,372782	6,32424	6,549446	6,354947	6,293072	6,34754	6,399155	0,051615	1,036424482	Fam193b
17386018	3,601261	3,476703	3,643575	3,621202	3,666911	3,588308	3,5738463	3,625473667	0,05162733	1,036433342	Scn1a
17471155	4,570978	4,643126	4,638471	4,626464	4,757458	4,623548	4,617525	4,669156667	0,05163167	1,036436455	Kcna1
17258444	5,51662	5,365642	5,81408	5,407608	5,834057	5,6096	5,5654473	5,617088333	0,051641	1,036443161	2210020M01Rik
17280046	3,763441	3,725719	3,697044	3,804368	3,722864	3,813907	3,7287347	3,780379667	0,051645	1,036446034	4930448C13Rik
17462796	5,703946	5,89403	5,620534	5,709866	5,916621	5,747044	5,7395033	5,791177	0,05167367	1,036466629	Clec4d
17268318	5,169921	4,954826	4,97975	5,044309	5,048932	5,166285	5,0348323	5,086508667	0,05167633	1,036468545	---
17265802	4,870723	4,528568	4,901732	4,791708	5,093438	4,570978	4,7670077	4,818708	0,05170033	1,036485787	Olfr398
17466936	2,925368	2,917323	2,85693	3,12324	2,983199	2,748341	2,8998737	2,951593333	0,05171967	1,036499677	---
17549630	4,584523	4,794724	4,967663	4,758403	4,849096	4,894578	4,7823033	4,834025667	0,05172233	1,036501593	---
17370575	5,596889	5,721772	5,587467	5,6114	5,581712	5,868212	5,635376	5,687108	0,051732	1,036508538	Zeb2
17448519	3,879502	3,609061	3,550123	3,670903	3,952736	3,570287	3,679562	3,731308667	0,05174667	1,036519075	4930425K10Rik
17477040	3,134084	2,954895	3,11316	2,979353	3,353332	3,024699	3,0673797	3,119128	0,05174833	1,036520273	Gm2329
17353731	5,763649	5,407373	5,81574	5,735283	5,639621	5,767122	5,662254	5,714008667	0,05175467	1,036524823	E230025N22Rik
17409663	5,795901	5,617673	5,843469	5,770971	5,790064	5,851273	5,7523477	5,804102667	0,051755	1,036525062	Gpr88
17237958	8,73625	8,885403	8,915233	8,901958	8,960338	8,829942	8,8456287	8,897412667	0,051784	1,036545898	Dctn2
17523566	5,690248	5,861881	5,923377	5,832257	5,772713	6,02592	5,8251687	5,876963333	0,05179467	1,036553562	Clec3b
17257534	8,355376	8,615583	8,361233	8,466003	8,516356	8,505245	8,444064	8,495868	0,051804	1,036560268	Ddx42
17481960	8,728251	8,661747	8,634748	8,689445	8,773161	8,71756	8,6749153	8,726722	0,05180667	1,036562184	Arntl
17479616	7,984482	8,000259	8,049003	8,112988	8,004567	8,071663	8,011248	8,063072667	0,05182467	1,036575117	Zfp592
17411905	4,181735	4,634292	4,746095	5,301612	3,681661	4,734328	4,5207073	4,572533667	0,05182633	1,036576314	---
17393076	7,042362	7,184095	6,820517	6,951552	7,15567	7,09525	7,015658	7,067490667	0,05183267	1,036580865	Commd7
17264769	5,943798	5,80721	5,71236	5,837503	5,870624	5,910745	5,8211227	5,872957333	0,05183467	1,036582302	Efnb3
17439464	9,158784	9,349671	9,245602	9,217748	9,473872	9,217955	9,2513523	9,303191667	0,05183933	1,036585655	Anxa3
17522958	8,343782	8,329399	8,161523	8,291029	8,268929	8,430265	8,2782347	8,330074333	0,05183967	1,036585894	Ctdspl
17207533	7,025059	6,792149	7,560776	7,224429	7,323063	6,986026	7,1259947	7,177839333	0,05184467	1,036589487	---
17466142	5,741488	5,797081	5,756224	5,98651	5,753402	5,710494	5,764931	5,816802	0,051871	1,036608408	Dennd2a
17397320	9,549743	9,481564	9,297686	9,446463	9,543843	9,494317	9,4429977	9,494874333	0,05187667	1,036612479	Larp1b
17518628	7,345273	7,28027	7,585126	7,538507	7,421753	7,406059	7,4035563	7,455439667	0,05188333	1,036617269	Oaz2
17524107	6,671263	6,267933	6,460562	6,496173	6,613477	6,445849	6,466586	6,518499667	0,05191367	1,036639065	Panx1
17249140	7,004008	6,971508	6,938404	7,084086	7,017357	6,968293	6,9713067	7,023245333	0,05193867	1,036657029	3010026O09Rik
17310982	5,070426	5,315737	5,162987	5,282519	5,2524	5,170093	5,18305	5,235004	0,051954	1,036668047	Osr2
17536170	8,774079	8,842624	8,684239	8,734618	8,868889	8,853317	8,7669807	8,818941333	0,05196067	1,036672837	Tab3
17404628	5,145527	5,164028	5,362899	5,210994	5,336407	5,280941	5,2241513	5,276114	0,05196267	1,036674274	Pex5l
17410127	5,482865	5,382042	5,401521	5,304077	5,714777	5,403471	5,4221427	5,474108333	0,05196567	1,03667643	---
17268681	6,217291	5,970763	6,008742	5,958394	6,026865	6,367435	6,0655987	6,117564667	0,051966	1,036676669	Arl5c
17486899	8,667042	8,599844	8,512111	8,763906	8,569251	8,601857	8,592999	8,645004667	0,05200567	1,036705173	Sae1
17430794	4,353988	4,500432	4,454062	4,430636	4,481775	4,552131	4,4361607	4,488180667	0,05202	1,036715473	Rab42-ps
17370583	3,707897	3,643586	3,592208	3,795548	3,608162	3,696044	3,647897	3,699918	0,052021	1,036716191	1700019E08Rik // 1700019E08Rik
17226232	7,945434	7,793715	7,805169	7,85455	7,952367	7,89347	7,848106	7,900129	0,052023	1,036717629	Ptpn4
17312589	6,744116	6,588431	6,685677	6,598602	6,919647	6,656044	6,6727413	6,724764333	0,052023	1,036717629	Lrrc14

17267102	6,641398	6,540727	6,513442	6,694628	6,730385	6,426635	6,565189	6,617216	0,052027	1,036720503	Pigw	
17473742	3,694432	3,510233	3,762511	3,641348	3,754826	3,727085	3,6557253	3,707753	0,05202767	1,036720982	Vmn1r82	
17202585	3,701838	4,814461	4,155553	4,816309	3,103977	4,907703	4,2239507	4,275996333	0,05204567	1,036733917	---	
17347063	5,178193	5,628232	5,454237	5,736152	5,334334	5,346331	5,4202207	5,472272333	0,05205167	1,036738229	Spdya	
17513713	7,876871	8,048496	8,060902	8,229225	7,957446	7,955803	7,995423	8,047491333	0,05206833	1,036750206	Fam38a	
17549006	5,049935	5,245392	5,661731	5,207813	5,458372	5,44708	5,3190193	5,371088333	0,052069	1,036750685	---	
17549134	5,049935	5,245392	5,661731	5,207813	5,458372	5,44708	5,3190193	5,371088333	0,052069	1,036750685	---	
17443539	7,631189	7,566278	7,521163	7,660665	7,649731	7,564517	7,5728767	7,624971	0,05209433	1,03676889	Ephb4	
17345319	5,728691	5,654833	5,846804	6,286108	5,518637	5,581933	5,7434427	5,795559333	0,05211667	1,036784939	---	
17428830	4,78745	4,876254	5,180035	4,956429	4,994662	5,049029	4,947913	5,00004	0,052127	1,036792366	Gm1661	
17550508	6,733857	6,768085	6,699378	6,723762	6,65327	6,980727	6,7337733	6,785919667	0,05214633	1,03680626	---	
17484494	7,242009	7,53327	7,420683	7,480705	7,486094	7,385613	7,398654	7,450804	0,05215	1,036808895	Mtg1	
17309981	7,103592	7,233711	6,962846	7,141035	7,087023	7,228631	7,1000497	7,152229667	0,05218	1,036830455	Fyb	
17325312	7,459685	7,688807	7,606504	7,682746	7,608435	7,620358	7,5849987	7,637179667	0,052181	1,036831173	Ccdc58	
17362330	10,74989	10,47904	10,56101	10,64553	10,63964	10,66136	10,596647	10,64884333	0,05219667	1,036842433	Rtn3	
17459654	5,417325	5,322671	5,553603	5,416236	5,565499	5,468478	5,4311997	5,483404333	0,05220467	1,036848182	4930414L22Rik	
17331960	8,285502	7,629282	7,930994	8,144524	7,830509	8,027376	7,9485927	8,000803	0,05221033	1,036852255	---	
17207807	2,961785	2,956341	3,015725	3,01968	3,279731	2,791081	2,9779503	3,030164	0,05221367	1,03685465	---	
17437963	4,187675	4,198268	4,169335	3,986163	4,305403	4,420382	4,1850927	4,237316	0,05222333	1,036861598	C330024D21Rik	
17493179	4,207544	4,276515	4,207544	3,928158	4,392893	4,527224	4,2305343	4,282758333	0,052224	1,036862077	---	
17432440	6,749732	6,814138	6,990257	6,957987	7,047151	6,705707	6,8513757	6,903615	0,05223933	1,036873097	Pdpn	
17455944	5,469406	5,529383	5,392844	5,596608	5,46727	5,484495	5,4638777	5,516124333	0,05224667	1,036878367	Acn9	
17422047	8,068537	8,401322	8,218925	8,152101	8,26794	8,425556	8,2295947	8,281865667	0,052271	1,036895856	Nol9	
17201037	6,800631	7,317813	7,203484	6,880352	6,987201	7,611189	7,1073093	7,159580667	0,05227133	1,036896096	---	
17416862	5,805973	6,037417	6,090562	6,057282	6,147498	5,886018	5,977984	6,030266	0,052282	1,036903762	Ttc39a	
17491178	6,76184	6,970939	6,888157	7,018311	7,004682	6,754816	6,8736453	6,925936333	0,052291	1,036910231	Saal1	
17200009	6,787137	5,4568	5,998857	6,629734	5,554113	6,215832	6,0809313	6,133226333	0,052295	1,036913106	---	
17305957	4,391016	4,184532	4,354426	4,126006	4,508147	4,45272	4,3099913	4,362291	0,05229967	1,03691646	Olfr735	
17415294	7,223016	7,068935	7,142543	7,740489	7,006644	6,84426	7,1448313	7,197131	0,05229967	1,03691646	---	
17536657	7,178837	7,24151	7,297948	7,212416	7,309073	7,353726	7,2394317	7,291738333	0,05230667	1,036921491	Foxo4	
17277195	8,995975	8,912663	8,779543	8,855979	8,994726	8,994405	8,8960603	8,94837	0,05230967	1,036923647	Ptgr2	
17528282	7,369034	7,354929	7,502869	7,54132	7,377874	7,464567	7,408944	7,461253667	0,05230967	1,036923647	Zfp609	
17460494	7,781931	7,786623	7,79937	7,968923	7,691684	7,864252	7,789308	7,841619667	0,05231167	1,036925085	Nfu1	
17358165	4,69489	4,689816	4,566565	4,773051	4,638047	4,697152	4,6504237	4,70275	0,05232633	1,036935626	Trpm3	
17374648	8,437271	8,281946	8,323758	8,415896	8,379631	8,404465	8,3476583	8,399997333	0,052339	1,03694473	Ivd	
17506718	3,558997	3,217437	3,029476	3,310918	3,108336	3,543696	3,2686367	3,320983333	0,05234667	1,036950241	Mir1967	
17443717	5,02817	4,518541	5,144576	5,126346	4,853484	4,868555	4,8970957	4,949461667	0,052366	1,036964137	Smok3a	
17404958	4,508246	4,226415	4,337893	4,434412	4,564596	4,230659	4,357518	4,409889	0,052371	1,036967731	Fat4	
17348016	5,274242	5,276482	5,713502	5,529019	5,664942	5,227429	5,4214087	5,473796667	0,052388	1,03697995	Nrxn1	
17420823	3,380162	3,657601	3,820242	3,622237	3,677478	3,715457	3,619335	3,671724	0,052389	1,036980669	---	
17501299	5,204428	4,892648	4,97952	5,411679	5,268087	4,55409	5,025532	5,077952	0,05242	1,037002951	---	
17457781	3,957385	3,696618	4,265419	4,113729	3,711576	4,25139	3,9731407	4,025565	0,05242433	1,037006066	---	
17305394	7,302412	6,903506	6,771836	7,042386	6,985534	7,107141	6,9925847	7,045020333	0,05243567	1,037014212	---	
17331365	6,484984	6,612613	6,492124	6,693571	6,622035	6,431476	6,529907	6,582360667	0,05245367	1,037027151	Arl13b	
17225824	3,455081	3,444463	3,451446	3,439976	3,611541	3,456891	3,45033	3,502802667	0,05247267	1,037040809	4930598F16Rik // 4930598F16Rik	
17542279	4,705896	4,648681	4,871329	4,624078	4,872883	4,886396	4,7419687	4,794452333	0,05248367	1,037048716	Xlr5a	
17279471	7,903581	8,045278	7,913508	8,218248	7,932396	7,869187	7,9541223	8,006610333	0,052488	1,037051831	Mta1	
17500135	8,333327	8,332701	8,257448	8,546928	8,269882	8,264199	8,3078253	8,360336333	0,052511	1,037068364	Whsc1l1	
17221633	9,437553	9,545546	9,391612	9,453067	9,559633	9,519547	9,458237	9,510749	0,052512	1,037069083	Mcm3	
17393225	9,162566	9,059012	9,132035	9,196363	9,192942	9,121921	9,117871	9,170408667	0,05253767	1,037087533	Pigu	
17394385	8,360445	8,480241	8,388057	8,506597	8,469754	8,410012	8,409581	8,462121	0,05254	1,03708921	Slc35c2	
17268977	7,669073	7,593333	7,595042	7,687937	7,657022	7,670123	7,6191493	7,671694	0,05254467	1,037092565	Smarce1	
17249453	8,183705	8,277268	8,137077	8,289614	8,248381	8,217769	8,19935	8,251921333	0,05257133	1,037111735	9530068E07Rik	
17548344	3,792129	3,569149	3,377275	3,43246	3,813496	3,650349	3,5795177	3,632101667	0,052584	1,03712084	Sh3gl2 // Sh3gl2	
17548620	10,67397	10,55595	10,40202	10,4462	10,6645	10,67904	10,54398	10,59658	0,0526	1,037132343	Dnajc19 // Dnajc19	
17219489	8,543514	8,617661	8,552984	8,505503	8,730748	8,635776	8,5713863	8,624009	0,05262267	1,037148637	Pex19	
17217963	3,356324	3,242055	3,095056	3,282948	3,443482	3,124887	3,231145	3,283772333	0,05262733	1,037151992	---	
17337208	5,638368	5,544706	5,490157	5,620838	5,609771	5,600563	5,5577437	5,610390667	0,052647	1,037166131	Sfta2	
17411635	10,84191	10,82058	10,70721	10,82288	10,87064	10,83417	10,7899	10,84256333	0,05266333	1,037177873	Rab2a	
17206069	5,259778	4,522135	5,528091	4,98645	4,771464	5,710086	5,1033347	5,156	0,05266533	1,037179311	---	
17401629	3,943653	4,026797	3,987469	4,125865	4,083318	3,906754	3,985973	4,038645667	0,05267267	1,037184583	Gnat2	
17245399	6,627862	6,615519	6,383762	6,468375	6,91098	6,40583	6,542381	6,595061667	0,05268067	1,037190334	Irak3	
17255877	6,688778	6,474879	6,589788	6,657705	6,645504	6,608287	6,5844817	6,637165333	0,05268367	1,037192491	Lasp1	
17501250	10,03136	10,00852	9,816188	9,974493	9,978791	10,06084	9,9520227	10,004708	0,05268533	1,037193689	Hpgd	
17488986	5,587873	5,968058	5,681475	5,864754	5,793108	5,737632	5,745802	5,798498	0,052696	1,037201358	---	
17213226	8,132568	8,03728	8,003022	8,033901	8,103478	8,193602	8,0576233	8,110327	0,05270367	1,03720687	Stradb	
17398080	2,928116	3,197759	3,055666	2,801305	3,261378	3,276972	3,0605137	3,113218333	0,05270467	1,037207589	---	
17473637	7,856324	8,075092	8,023648	8,063391	7,965158	8,084667	7,9850213	8,037738667	0,05271733	1,037216695	Peg3 // Peg3	
17541948	4,956328	4,713082	4,634927	4,907712	4,806681	4,748119	4,7681123	4,820837333	0,052725	1,037222207	Mcf2	
17503120	2,861022	3,39149	3,202401	3,100659	3,308768	3,203681	3,1516377	3,204369333	0,05273167	1,037227	Mir24-2	
17486457	3,483554	3,310895	3,217087	3,598814	3,326071	3,244847	3,3371787	3,389910667	0,052732	1,037227224	Vmn1r69	
17357810	9,320696	9,562208	8,998124	9,200047	9,570065	9,269114	9,293676	9,346408667	0,05273267	1,037227719	Mpeg1	
17250025	6,874274	7,092751	6,924034	7,023559	7,003419	7,022308	6,9636863	7,016428667	0,05274233	1,037234669	Zfp672 // Zfp672	
17398095	4,847227	4,845339	4,595596	4,713482	4,987405	4,745509	4,7627207	4,815465333	0,05274467	1,037236347	Lekr1	
17532367	5,138301	5,294018	4,681511	5,229041	5,088778	4,954273	5,0379433	5,090697333	0,052754	1,037243057	Hhatl	
17432565	4,053888	3,897973	3,938353	4,060608	3,980305	4,007587	3,9634047	4,016166667	0,052762	1,037248809	Aadacl3	
17495958	5,030731	4,891891	5,122291	5,153296	5,068115	4,981802	5,014971	5,067737667	0,05276667	1,037252164	Ern2	
17510586	7,525576	7,507199	7,564266	7,546412	7,647434	7,561593	7,532347	7,585146333	0,05279933	1,03727565	Large	
17320887	9,36742	9,4043	9,362152	9,425667	9,465945	9,400703	9,3779573	9,430771667	0,05281433	1,037286435	Scaf11	
17538318	3,379954	3,299165	3,474549	3,389892	3,65036	3,271921	3,384556	3,437391	0,052835	1,037301294	---	
17201469	4,332957	3,930951	4,086718	4,277351	4,007662	4,22415	4,1168753	4,169721	0,05284567	1,037308964	---	
17467938	3,70682	3,839103	3,753686	3,822446	3,758232	3,877491	3,7665363	3,819389667	0,05285333	1,037314476	Ctnna2	
17489668	8,986844	9,042285	8,954386	9,054428	9,001007	9,086673	8,994505	9,047369333	0,05286433	1,037322385	Lsm14a	
17392227	5,043289	4,873463	4,86414	4,981452	4,946467	5,011574	4,926964	4,979831	0,052867	1,037324303	Sel1l2	
17333946	8,009539	8,307051	8,304578	8,236532	8,049764	8,49351	8,207056	8,259935333	0,05287933	1,037333171	Zfp948	
17355435	9,912975	10,05124	9,990544	10,07767	10,1143	9,921531	9,9849197	10,03783367	0,052914	1,037358097	Scarna17	
17264521	4,774246	4,680303	4,696844	4,569183	4,789169	4,951792	4,717131	4,770048	0,052917	1,037360254	Alox8	
17269954	5,416203	5,37526	5,370741	5,446674	5,448805	5,42548	5,3874013	5,440319667	0,05291833	1,037361213	Etv4	
17248955	4,25255	3,673563	4,040101	4,074466	4,036015	4,014505	3,988738	4,041662	0,052924	1,037365288	Olfr1393	
17208821	4,814823	4,274583	5,023322	4,335237	4,98113	4,955136	4,7042427	4,757167667	0,052925	1,037366007	---	
17442203	7,192499	7,00956	7,069276	7,150158	7,099411	7,180567	7,090445	7,143378667	0,05293367	1,037372238	Setd1b	
17301147	6,055797	6,234457	6,144893	6,233634	6,183124	6,177201	6,145049	6,197986333	0,05293733	1,037374875	Fam124a	
17203643	6,462351	6,889009	7,13192	6,887758	6,54313	7,211215	6,82776	6,880701	0,052941	1,037377511	---	
17266146	9,5665	9,588539	9,482929	9,555314	9,644303	9,59718	9,5459893	9,598932333	0,052943	1,03737895	Gosr1	
17290301	8,096438	8,15764	7,950599	7,94402	8,254981	8,164532	8,0682257	8,121177667	0,052952	1,037385421	Akr1e1	
17347606	6,655952	6,642889	6,927453	6,659218	7,067159	6,658778	6,742098	6,795051667	0,05295367	1,03738662	Thumpd2	
17206623	3,343142	3,737434	3,393352	3,569783	3,487519	3,575524	3,4913093	3,544275333	0,052966	1,037395488	---	
17258168	4,975312	4,81046	4,846684	4,827821	5,071432	4,892175	4,8774853	4,930476	0,05299067	1,037413225	Otop3	
17411268	5,172033	5,037676	5,068173	5,126571	5,175535	5,134765	5,0926273	5,145623667	0,05299633	1,0374173	5730460C07Rik	
17202229	7,483952	6,902296	6,609045	6,603498	7,405112	7,145681	6,998431	7,051430333	0,05299933	1,037419457	---	
17547939	9,535352	9,512285	9,605482	9,407722	9,751712	9,652732	9,5510397	9,604055333	0,05301567	1,037431202	Ndufa11 // Ndufa11	
17512388	5,832111	5,860381	5,920771	5,808066	5,927494	6,036773	5,8710877	5,924111	0,05302333	1,037436715	Fhod1	
17260590	3,698348	3,403814	3,454223	3,701059	3,502737	3,511665	3,518795	3,571820333	0,05302533	1,037438154		11/04/17
17383529	6,401277	6,513384	6,385492	6,58865	6,30273	6,567856	6,4333843	6,486412	0,05302767	1,037439831	Wdr34	
17437490	5,060947	5,443931	4,906597	5,010445	5,301509	5,25861	5,1371583	5,190188	0,05302967	1,037441227	Rbpj	
17389668	3,482235	3,334334	3,35578	3,494044	3,359859	3,477544	3,390783	3,443815667	0,05303267	1,037443427	---	
17356743	8,337825	8,316727	8,363008	8,315722	8,481531	8,379419	8,3391867	8,392224	0,05303733	1,037446783	Ehd1	
17210391	4,403557	5,549065	4,971412	4,896078	4,517771	5,669305	4,974678	5,027718	0,05304	1,0374487	---	
17451607	6,6231	5,943703	5,83206	5,590567	6,444152	6,523289	6,1329543	6,186002667	0,05304833	1,037454693	1500011B03Rik // 1500011B03Rik	
17423958	3,08112	2,889901	3,125729	3,200553	3,188678	2,866673	3,03225	3,085301333	0,05305133	1,03745685	Mir876	
17230304	7,007739	6,855027	6,860316	6,952509	6,997443	6,932288	6,907694	6,960746667	0,05305267	1,037457809	Smyd3	
17492194	3,840989	3,761482	3,716839	3,774618	3,839056	3,864813	3,7731033	3,826162333	0,053059	1,037462363	---	
17545536	3,391494	3,234196	3,162394	3,30166	3,459828	3,185789	3,2626947	3,315759	0,05306433	1,037466199	Samt2	
17336956	7,961093	7,871526	8,124234	8,050874	7,922961	8,142219	7,9856177	8,038684667	0,053067	1,037468116	---	
17293854	4,541807	4,348393	3,989039	4,473866	4,253323	4,311267	4,2930797	4,346152	0,05307233	1,037471952	Mszf81 // Mszf81	
17324803	8,489647	8,27833	8,266157	8,462217	8,390234	8,340918	8,3447113	8,397789667	0,05307833	1,037476266	Pcyt1a	
17510484	4,632471	4,24528	4,607693	4,501476	4,630162	4,513051	4,495148	4,548229667	0,05308167	1,037478663	Cib3	
17290195	4,995781	4,532263	4,682006	5,099912	4,750587	4,51884	4,7366833	4,789779667	0,05309633	1,037489211	LOC639910	
17290797	9,615906	9,616413	9,577009	9,605856	9,6691	9,693672	9,6031093	9,656209333	0,0531	1,037491848	Cdk13	
17549124	3,310529	3,253688	3,314697	3,309836	3,345478	3,382943	3,2929713	3,346085667	0,05311433	1,037502155	---	
17412860	8,743378	8,840914	8,583494	8,700298	8,755241	8,871613	8,7225953	8,775717333	0,053122	1,037507669	Ubap1	
17529713	10,2725	10,37547	10,18798	10,26606	10,34752	10,38174	10,27865	10,33177333	0,05312333	1,037508627	2610101N10Rik	
17309580	7,609425	7,575926	7,52494	7,665984	7,595185	7,608509	7,570097	7,623226	0,053129	1,037512703	Dock9	
17226870	5,308956	5,316545	5,74502	5,569171	5,556734	5,404096	5,4568403	5,510000333	0,05316	1,037534996	---	
17409053	10,2835	10,41481	10,30843	10,3641	10,37208	10,43006	10,33558	10,38874667	0,05316667	1,037539791	Ahcyl1	
17415134	4,685642	4,320587	3,964301	4,580198	4,116227	4,433606	4,32351	4,376677	0,053167	1,037540031	---	
17499823	3,372808	3,367425	3,327258	3,225368	3,544051	3,457576	3,3558303	3,408998333	0,053168	1,03754075	Defb10	
17436627	4,278974	4,833446	4,957193	5,009065	4,409183	4,810881	4,689871	4,743043	0,053172	1,037543627	---	
17549866	3,93584	4,121929	3,892571	3,987782	4,119005	4,003081	3,9834467	4,036622667	0,053176	1,037546503	---	
17549874	3,93584	4,121929	3,892571	3,987782	4,119005	4,003081	3,9834467	4,036622667	0,053176	1,037546503	---	
17536187	3,679924	3,803158	3,771488	3,72959	4,036657	3,647879	3,7515233	3,804708667	0,05318533	1,037553215	Gm14762	
17292839	9,518719	9,550704	9,536249	9,538969	9,616034	9,610243	9,535224	9,588415333	0,05319133	1,037557531	Lman2	
17462823	3,705374	3,403294	3,643265	3,730255	3,318852	3,862417	3,5839777	3,637174667	0,053197	1,037561606	Vmn2r24	
17207663	6,753973	6,570565	6,613083	6,773942	6,841504	6,481816	6,6458737	6,699087333	0,05321367	1,037573592	---	

17463829	6,399592	6,560134	6,106653	6,611864	6,307281	6,306924	6,3554597	6,408689667	0,05323	1,037585339	---
17429613	10,56681	10,52063	10,46683	10,5536	10,5432	10,61725	10,51809	10,57135	0,05326	1,037606915	Cap1
17487509	6,093864	5,811419	5,507812	5,808523	5,846245	5,918114	5,804365	5,857627333	0,05326233	1,037608594	Vmn1r158
17487603	6,093864	5,811419	5,507812	5,808523	5,846245	5,918114	5,804365	5,857627333	0,05326233	1,037608594	Vmn1r158
17412374	6,667899	6,722814	6,720995	6,75812	6,727069	6,786315	6,7039027	6,757168	0,05326533	1,037610751	Bach2
17464254	2,954662	2,970074	2,873093	2,985163	3,054942	2,917564	2,9326097	2,985889667	0,05328	1,0376213	---
17407201	9,924317	9,919175	9,807311	9,911205	9,891928	10,00753	9,883601	9,936887667	0,05328667	1,037626095	Ubap2l
17394568	4,265287	4,066975	4,238652	4,265287	4,196149	4,269367	4,1903047	4,243601	0,05329633	1,037633047	---
17307526	4,301517	4,408463	4,409475	4,388816	4,37745	4,513114	4,3731517	4,42646	0,05330833	1,037641678	Gucy1b2
17276139	5,784219	5,914004	5,564194	5,808408	5,799868	5,814138	5,754139	5,807471333	0,05333233	1,03765894	Dact1
17271307	10,43261	10,42119	10,41759	10,45912	10,48155	10,49081	10,423797	10,47716	0,05336333	1,037681237	Abca8b
17207731	6,443237	6,166542	6,468029	6,818087	6,202786	6,217033	6,3592693	6,412635333	0,053366	1,037683155	---
17447451	7,09146	7,094025	6,961044	7,217493	6,960788	7,128355	7,048843	7,102212	0,053369	1,037685313	Tbc1d14
17483258	5,755647	5,432436	5,938962	5,600972	6,052679	5,633558	5,709015	5,762403	0,053388	1,037698979	Zfp771
17209701	8,221427	7,697467	7,823217	8,210865	7,855422	7,836051	7,914037	7,967446	0,053409	1,037714084	---
17319142	5,197674	5,415563	5,396281	5,434741	5,358434	5,376577	5,336506	5,389917333	0,05341133	1,037715762	Slc16a8
17474385	5,145219	4,931162	5,281233	5,099912	5,213013	5,204939	5,1192047	5,172621333	0,05341667	1,037719598	Nanos2
17548814	3,374084	3,029513	3,081503	3,412748	3,099879	3,132765	3,1617	3,215130667	0,05343067	1,037729669	---
17488561	4,807163	4,691508	4,981114	4,9401	4,912122	4,787875	4,826595	4,880032333	0,05343733	1,037734464	Gm10648
17312882	9,908418	10,01863	9,92827	10,06382	10,09755	9,854296	9,9517727	10,005222	0,05344933	1,037743096	H1f0
17205375	5,977365	6,115672	5,990245	5,929503	6,118711	6,195444	6,0277607	6,081219333	0,05345867	1,037749809	---
17516098	8,810985	8,754575	8,40738	8,659945	8,704184	8,769225	8,6576467	8,711118	0,05347133	1,037758921	Siae
17541493	7,171502	7,376857	7,137576	7,289293	7,279305	7,277752	7,228645	7,282116667	0,05347167	1,03775916	Enox2
17220255	7,673562	7,807601	7,678334	7,653522	7,891688	7,774755	7,7198323	7,773321667	0,05348933	1,037771868	Cnih4
17454973	5,719885	5,444026	5,724268	5,809697	5,611243	5,627749	5,629393	5,682896333	0,05350333	1,037781939	---
17203613	3,457789	4,027967	4,649489	4,513936	4,029359	3,752476	4,0450817	4,098590333	0,05350867	1,037785775	---
17333480	13,33488	13,32876	13,27769	13,30873	13,36121	13,43192	13,3137777	13,36728667	0,05351	1,037786735	---
17488900	6,05755	6,15504	6,114668	6,178815	6,167551	6,141452	6,109086	6,162606	0,05352	1,037793928	Zfp227
17447610	6,804401	6,685149	6,945327	6,955179	6,853752	6,786586	6,8116257	6,865172333	0,05354667	1,037813111	Msx1as // Msx1as
17509714	3,806481	3,292914	3,390726	3,659341	3,719014	3,272447	3,496707	3,550267333	0,05356033	1,037822942	---
17534408	9,082296	9,205791	9,172075	9,270732	9,130819	9,219312	9,1533873	9,206954333	0,053567	1,037827738	Xiap
17382603	5,812398	5,718768	5,408145	5,686472	5,52651	5,887082	5,646437	5,700021333	0,05358433	1,037840207	Lcn12
17338116	5,570667	5,572801	5,026959	5,436999	5,570667	5,323528	5,3901423	5,443731333	0,053589	1,037843564	---
17435251	8,544003	8,893038	8,367469	8,732111	8,613156	8,620045	8,6015033	8,655104	0,05360067	1,037851957	Klhl7
17457472	6,873554	7,152155	6,813651	6,90603	6,985696	7,108441	6,9464533	7,000055667	0,05360233	1,037853156	Tbxas1
17466624	10,89482	11,0451	10,67033	10,87234	10,94948	10,94925	10,870083	10,92369	0,05360667	1,037856273	Tmem176b
17485849	8,043886	7,809743	7,824412	7,865471	7,950097	8,023432	7,8926803	7,946333333	0,053653	1,037889605	Tmem86b
17502686	3,390708	3,416423	3,507865	3,87655	3,251839	3,347568	3,438332	3,491985667	0,05365367	1,037890085	1700092C02Rik
17203857	3,275516	3,878592	3,179567	3,052057	3,614156	3,828424	3,4445583	3,498212333	0,053654	1,037890325	---
17355231	8,517851	8,580653	8,593629	8,622864	8,531664	8,698606	8,5640443	8,617711333	0,053667	1,037899677	Ptpn2
17344387	7,168337	7,199475	7,19825	7,19852	7,103781	7,424763	7,1886873	7,242354667	0,05366733	1,037899917	Gtf2h4
17253055	8,346323	8,423311	8,356691	8,311763	8,539734	8,435852	8,3754417	8,429116333	0,05367467	1,037905193	Myo1c
17412085	4,636527	4,361831	4,269948	4,587767	4,419941	4,421717	4,4227687	4,476475	0,05370633	1,037927974	Slc7a13
17438196	8,850763	8,956066	8,838884	8,857011	8,977598	8,972239	8,8819043	8,935616	0,05371167	1,037931811	Fip1l1
17278753	7,736158	7,349409	8,041781	7,817226	7,785511	7,685757	7,709116	7,762831333	0,05371533	1,037934449	---
17536383	8,580452	8,555593	8,490018	8,443504	8,820417	8,523295	8,542021	8,595738667	0,05371767	1,037936128	F630028O10Rik
17436057	8,399518	8,306004	8,32865	8,405353	8,41558	8,374409	8,344724	8,398447333	0,05372333	1,037940205	Snx17
17534702	4,819964	4,85548	4,842607	4,861149	4,83197	4,986171	4,8393503	4,893096667	0,05374633	1,037956752	Ccdc160
17209011	6,316461	5,929416	5,971932	6,02955	6,383258	5,966248	6,072603	6,126352	0,053749	1,037958671	---
17280481	3,251942	2,999255	3,041227	3,248415	3,223692	2,981577	3,0974747	3,151228	0,05375333	1,037961789	---
17476001	5,552381	5,355529	5,734704	5,556643	5,79325	5,453989	5,547538	5,601294	0,053756	1,037963707	Lgals7
17429290	4,278569	3,7695	3,505722	3,762835	3,84045	4,111809	3,8512637	3,905031333	0,05376767	1,037972101	Olfr1328
17487249	6,705045	6,802842	6,827627	6,844612	6,866518	6,785692	6,7785047	6,832274	0,05376933	1,03797733	Mark4
17329205	7,831623	7,571838	8,083656	7,870304	8,069574	7,708574	7,829039	7,882817333	0,05377833	1,037979775	Gm6557
17259054	5,731608	5,819933	5,730549	5,875453	5,861594	5,706405	5,7606967	5,814484	0,05378733	1,03798625	Slc26a11
17228284	2,980673	3,082693	3,309126	3,323008	3,1132	3,097662	3,124164	3,177956667	0,05379267	1,037990088	---
17550743	3,198845	3,226133	3,273854	3,176737	3,403586	3,279928	3,232944	3,286750333	0,05380633	1,037999921	---
17237876	6,99026	6,650184	6,687479	6,78864	6,833385	6,867328	6,7759743	6,829784333	0,05381	1,038002559	Mettl1
17473161	5,612782	5,605486	5,721606	5,521551	5,784763	5,794997	5,6466247	5,700437	0,05381233	1,038004238	Cacng8
17227003	9,69324	9,77789	9,71267	9,796507	9,794904	9,753841	9,7279333	9,781750667	0,05381733	1,038007835	Zc3h11a
17429298	4,547191	4,533953	4,533037	4,652914	4,827535	4,2952	4,5380603	4,591883	0,05382267	1,038011672	---
17206981	5,327012	5,41087	5,821952	5,763679	5,585516	5,372112	5,5199447	5,573769	0,05382433	1,038012871	---
17276583	4,819801	5,255419	5,116354	5,185384	4,774092	5,393587	5,063858	5,117687667	0,05382967	1,038016709	Gm10451
17483437	7,376468	7,315343	7,074856	7,318677	7,193577	7,415917	7,2555557	7,309390333	0,05383467	1,038020306	Orai3
17326638	4,24846	3,851089	3,799959	3,995536	3,858847	4,206655	3,9665027	4,020346	0,05384333	1,038026542	---
17507834	3,054719	3,005888	3,216129	3,108585	3,176047	3,153656	3,0922453	3,146096	0,05385067	1,038031818	Defb38
17227063	5,529205	5,577983	5,912122	5,783262	5,869775	5,527855	5,6731033	5,726964	0,05386067	1,038039013	Optc
17391452	9,764078	9,472397	9,156138	9,300784	9,599334	9,654078	9,4642043	9,518065333	0,053861	1,038039253	---
17366916	3,828651	4,329392	4,017849	4,187589	4,110099	4,039789	4,0586307	4,112492333	0,05386167	1,038039733	Mir297b
17307151	6,634522	6,937691	6,876429	6,95612	6,76865	6,885513	6,816214	6,870094333	0,05388033	1,038053164	N6amt2
17526111	2,969841	3,109866	3,263417	3,110283	3,241307	3,153183	3,1143747	3,168257667	0,053883	1,038055083	A730077B16Rik
17534119	5,004612	4,890935	4,919337	5,151516	4,871638	4,953465	4,9382947	4,992206333	0,05391167	1,038075709	---
17220249	4,625633	4,49061	4,498612	4,428259	4,6409	4,707465	4,538285	4,592208	0,053923	1,038083864	9130409I23Rik
17404548	7,214104	7,154716	7,12098	7,246362	7,136641	7,268575	7,1632667	7,217192667	0,053926	1,038086023	Phc3
17244655	3,045297	3,163715	3,108953	3,393154	3,122361	2,964238	3,1059883	3,159917667	0,05392933	1,038088421	---
17379911	8,292707	8,634225	8,39803	8,538596	8,597869	8,350357	8,441654	8,495607333	0,05395333	1,038105691	Rnf114
17305962	2,812987	2,936903	2,70603	2,983656	2,903421	2,730791	2,81864	2,872622667	0,05398267	1,038126798	Olfr747
17204915	7,11939	6,55383	6,922645	6,897882	6,962294	6,897657	6,8652883	6,919277667	0,05398933	1,038131595	---
17410680	9,676117	9,770947	9,590581	9,726201	9,685298	9,78815	9,679215	9,733216333	0,05400133	1,03814023	Metap1
17299033	3,63819	3,586481	3,409877	3,68186	3,644735	3,46998	3,5448493	3,598858333	0,054009	1,038145747	---
17428795	7,56696	7,807781	8,085046	7,944787	7,968695	7,708375	7,819929	7,873952333	0,05402333	1,038156061	---
17301947	3,81924	3,98663	3,804581	3,874786	3,876832	4,020914	3,8701503	3,924177333	0,054027	1,038158699	Gm4278
17396941	7,803857	7,996114	7,874965	7,883364	8,026706	7,926991	7,8916453	7,945687	0,05404167	1,038169254	Acad9
17249611	5,568802	5,967447	5,828034	5,87	5,746444	5,909986	5,7880943	5,842143333	0,054049	1,038174531	P4ha2
17283291	10,6615	10,82025	10,78024	10,75676	10,84854	10,81885	10,753997	10,80805	0,05405333	1,038177649	---
17379258	5,635932	5,119905	5,428938	5,536123	5,551157	5,259665	5,394925	5,448981667	0,05405667	1,038180048	2310001K24Rik
17282320	8,238248	8,022607	8,210692	8,191458	8,051092	8,39117	8,1571823	8,21124	0,05405767	1,038180767	Cox16
17547557	9,637146	9,73508	9,657177	9,554761	9,734024	9,902811	9,6764677	9,730532	0,05406433	1,038185565	Gm20091
17299316	8,022806	7,998237	7,970565	8,082425	7,95895	8,112447	7,9972027	8,051274	0,05407133	1,038190602	Socs4
17453430	6,93039	6,954457	6,88719	7,052464	6,937506	6,944303	6,9240123	6,978091	0,05407867	1,038195879	Limk1
17472598	8,224586	8,299273	8,256905	8,304405	8,301856	8,336753	8,2602547	8,314338	0,05408333	1,038199238	5730419I09Rik
17212080	8,221885	8,225739	8,080379	8,121341	8,270039	8,298874	8,176001	8,230084667	0,05408367	1,038199477	Pdcl3
17363505	8,909728	8,873591	9,064396	9,058913	9,036518	8,914557	8,9492383	9,003329333	0,054091	1,038204755	Smc5
17431181	9,377618	9,319655	9,103167	9,267155	9,439532	9,256026	9,2668133	9,320904333	0,054091	1,038204755	Sh3bgrl3
17372578	5,134618	5,224258	5,453816	5,206974	5,228189	5,539879	5,2708973	5,325014	0,05411667	1,038223225	Gm13718
17322916	5,631278	5,518032	5,6236	5,839173	5,520166	5,575966	5,59097	5,645101667	0,05413167	1,03823402	A630055G03Rik
17518378	10,43087	10,50909	10,42577	10,34086	10,63603	10,55125	10,455243	10,50938	0,05413667	1,038237618	Dennd4a
17205883	6,659446	5,087217	5,836151	5,351202	6,259195	6,134866	5,860938	5,915087667	0,05414967	1,038246974	---
17377940	7,428236	7,501224	7,205126	7,419693	7,498794	7,378548	7,3781953	7,432345	0,05414967	1,038246974	Asxl1
17355624	7,947705	8,266585	8,158272	8,207006	8,185534	8,142498	8,1241873	8,178346	0,05415867	1,038253451	Rbfa
17396710	8,90771	8,832124	8,6657	8,738531	8,828724	9,00078	8,8018447	8,856011667	0,054167	1,038259448	Mfn1
17295996	5,233088	5,295397	5,009751	5,14586	5,250662	5,304219	5,179412	5,233580333	0,05416833	1,038260407	Rnf180
17216012	9,657377	9,667745	9,504263	9,642922	9,664905	9,684096	9,609795	9,663974333	0,05417933	1,038268324	Sept2
17515277	8,997469	8,959372	8,951041	9,048121	9,023199	8,999112	8,969294	9,023477333	0,05418333	1,038271203	Smarca4
17490043	5,240487	4,920176	5,085526	4,865218	5,270267	5,273284	5,082063	5,136256333	0,05419333	1,038278399	4933421I07Rik
17287901	4,720627	5,000542	4,748703	4,93944	4,835472	4,85756	4,8232907	4,877490667	0,0542	1,038283197	Ntrk2
17205995	7,885746	7,08112	7,936311	7,904934	7,62515	7,535763	7,6343923	7,688615667	0,05422333	1,03829999	---
17445370	7,62465	7,649892	7,436783	7,506365	7,82094	7,546716	7,5704417	7,624673667	0,054232	1,038306227	Cldn12
17208713	5,024343	4,49016	4,963003	4,696234	4,916231	5,027758	4,8258353	4,880074333	0,054239	1,038311265	---
17388417	6,322744	6,24859	6,328695	6,309716	6,450939	6,302131	6,3000097	6,354262	0,05425233	1,038320861	Prdm11
17444398	10,13132	10,26254	10,17766	10,04196	10,33574	10,35658	10,190507	10,24476	0,05425333	1,038321581	Eif2ak1
17418680	8,72199	8,735096	8,817053	8,83222	8,786777	8,817911	8,7580463	8,812302667	0,05425633	1,03832374	Sfpq
17405737	7,928576	7,883547	7,96376	7,860412	7,990619	8,087687	7,9252943	7,979572667	0,05427833	1,038339574	Lxn
17389275	4,149364	3,929016	4,165573	4,295478	4,469678	3,641692	4,0813177	4,135616	0,05429833	1,038353968	Olfr1294
17509435	6,025372	6,231268	6,179142	6,231944	6,182999	6,183766	6,1452607	6,199569667	0,054309	1,038361646	BC088983
17202193	3,523766	4,121678	4,147738	3,572584	4,101165	4,282366	3,9310607	3,985371667	0,054311	1,038363085	---
17248979	3,203194	3,123178	3,290359	3,334107	3,162678	3,282887	3,205577	3,259890667	0,05431367	1,038365004	Olfr1385
17439825	5,551021	5,512065	5,761913	5,72618	5,669815	5,591975	5,608333	5,662656667	0,05432367	1,038372202	Mepe
17341521	7,9078	8,031041	8,038445	8,113701	8,009293	8,017297	7,9924287	8,046763667	0,054335	1,038380359	Thoc6
17421908	6,508354	6,355081	6,427181	6,537266	6,618578	6,297827	6,4302053	6,484557	0,05435167	1,038392355	Eno1
17230568	4,638178	4,172282	4,336186	4,502395	4,495395	4,311919	4,3822153	4,436569667	0,05435433	1,038394274	---
17428910	5,925972	5,834643	5,98969	6,065218	5,935927	5,912224	5,9167683	5,971123	0,05435467	1,038394514	Ccdc24
17381546	4,155097	4,31219	4,201037	4,363108	4,248835	4,21946	4,2227747	4,277134333	0,05435967	1,038398113	9230102O04Rik
17445651	6,16413	5,859131	5,862173	6,116246	5,967543	5,964728	5,9618113	6,016172333	0,054361	1,038399073	Gm10354
17539123	3,039662	2,933907	2,951712	2,887434	3,129603	3,071417	2,9750937	3,029484667	0,054391	1,038420666	---
17456506	9,58877	9,529267	9,619832	9,783424	9,66531	9,452337	9,5792897	9,633690333	0,05440067	1,038427624	Snd1
17384456	5,209335	4,760827	5,065411	4,902171	5,16373	5,132906	5,0118577	5,066269	0,05441133	1,038435301	---
17459857	4,915584	4,817302	4,88974	4,978873	4,927999	4,878994	4,8742087	4,928622	0,05441333	1,038436741	D6Mm5e
17333121	4,38135	4,423349	4,55003	4,513634	4,583046	4,421342	4,4515763	4,506007333	0,054431	1,038449457	T
17364150	10,14271	10,03543	9,834146	10,09112	10,06532	10,01919	10,004095	10,05854333	0,054448	1,038461694	Pank1
17383506	7,080945	7,046553	6,976795	7,146429	7,190101	6,931119	7,0347643	7,089216333	0,054452	1,038464573	Trub2
17360602	4,414611	4,565386	4,68294	4,587923	4,847009	4,391377	4,5543123	4,608769667	0,05445733	1,038468412	Tdrd1
17487716	4,939601	4,578971	5,212054	4,879387	4,985108	5,029511	4,9102087	4,964668667	0,05446	1,038470332	Irgc1
17422135	5,702345	6,109811	6,093721	6,141402	6,056217	5,871661	5,9686257	6,023093333	0,05446767	1,03847585	---

17358598	6,084785	6,15802	6,27166	6,208001	6,199274	6,27063	6,1714883	6,225968333	0,05448	1,038484728	Il33
17428684	10,67698	10,57933	10,63844	10,7036	10,6526	10,70201	10,631583	10,68607	0,05448667	1,038489527	Akr1a1
17241704	4,404533	3,945051	4,238088	4,283597	4,207247	4,260292	4,1958907	4,250378667	0,054488	1,038490487	Slc16a9 // Slc16a9
17519215	5,359993	5,192485	5,118288	5,230256	5,306711	5,2973	5,2235887	5,278089	0,05450033	1,038499364	Prtg
17325946	3,678493	3,69597	3,802913	3,824565	3,600117	3,916217	3,725792	3,780299667	0,05450767	1,038504643	Slc9a10
17282732	10,99636	10,96904	10,93407	11,06955	11,02369	10,96982	10,96649	11,02102	0,05453	1,03852072	0610007P14Rik
17381204	3,64701	3,938604	4,003966	4,066832	3,876634	3,809728	3,8631933	3,917731333	0,054538	1,038526479	Olah
17375657	4,303751	4,620239	4,163338	4,45954	4,367826	4,423639	4,3624427	4,417001667	0,054559	1,038541596	---
17253885	8,0135	8,086834	7,978187	7,922248	8,06457	8,255416	8,0261737	8,080744667	0,054571	1,038550234	Adap2
17443818	7,544812	7,800236	7,896885	7,986262	7,724582	7,694836	7,747311	7,801893333	0,05458233	1,038558392	0910001L09Rik
17364665	5,103916	4,825459	4,858021	4,944246	5,074303	4,932654	4,929132	4,983734333	0,05460233	1,03857279	Slit1
17537815	6,879379	6,880531	6,729285	6,833071	6,876449	6,943488	6,8297317	6,884336	0,05460433	1,03857423	Gprasp1
17379841	7,743072	8,101763	8,06844	8,02853	8,081079	7,96755	7,9710917	8,025719667	0,054628	1,038591267	Ddx27
17550727	3,453298	3,501298	3,599852	3,498959	3,520684	3,698699	3,5181493	3,572780667	0,05463133	1,038593667	---
17420815	6,51166	6,395941	6,520729	6,473903	6,548535	6,569802	6,47611	6,530746667	0,05463667	1,038597506	---
17313218	6,278819	6,474529	6,383322	6,51038	6,420331	6,369876	6,37889	6,433529	0,054639	1,038599186	Sgsm3
17404091	9,582041	10,01736	9,518368	9,755523	9,628679	9,897489	9,705923	9,760563667	0,05464067	1,038600386	Fabp4
17291972	7,654863	7,860188	7,699383	7,707204	7,890955	7,78021	7,7381447	7,792789667	0,054645	1,038603506	Slc35b3
17378072	4,712597	4,630668	4,839878	4,852386	4,644706	4,850021	4,7277143	4,782371	0,05465667	1,038611904	Bpifb4
17422471	5,975679	5,872597	6,154983	6,083704	6,094711	5,988878	6,0010863	6,055764333	0,054678	1,038627263	---
17472641	7,305403	7,378647	7,510607	7,748614	7,340044	7,270044	7,398219	7,452900667	0,05468167	1,038629902	Sox5
17409445	8,197918	8,173245	8,207584	8,310286	8,196853	8,2357	8,1929157	8,247613	0,05469733	1,038641181	Prpf38b
17548512	3,594523	3,294483	3,434636	3,429903	3,540087	3,517765	3,441214	3,495918333	0,05470433	1,038646221	Gm20371
17391518	5,677078	5,418663	5,833621	5,905188	5,646259	5,542048	5,6431207	5,697831667	0,054711	1,03865102	---
17429832	3,874153	4,162403	3,86083	3,898245	4,095671	4,06761	3,9657953	4,020508667	0,05471333	1,0386527	---
17239184	4,533695	4,85056	4,574532	4,767387	4,618477	4,737164	4,652929	4,707676	0,054747	1,038676938	9130014G24Rik
17215395	8,320525	8,234689	8,152151	8,298806	8,296087	8,276743	8,2357883	8,290545333	0,054757	1,038684138	Dgkd
17320553	4,716376	4,607027	4,89191	4,84449	4,669759	4,865339	4,7384377	4,7931	0,05475833	1,038685098	Shank3
17364826	6,244812	5,73487	6,088722	5,98755	6,138126	6,107021	6,0228013	6,077565667	0,05476433	1,038689418	Mir3085
17516403	4,638863	4,877041	5,051358	4,950013	4,85691	4,924642	4,855754	4,910521667	0,05476767	1,038691818	D230004N17Rik
17515988	3,659432	4,045925	3,868506	3,902281	4,157147	3,678762	3,8579543	3,91273	0,05477567	1,038697577	Gm7257
17207969	4,167633	5,282699	4,291791	5,489272	3,946557	4,47063	4,5807077	4,635486333	0,05477867	1,038699737	---
17542716	5,574462	5,567183	5,392183	5,704572	5,43744	5,556159	5,511276	5,566057	0,054781	1,038701417	---
17542115	2,996217	2,721069	2,939525	2,799816	3,209952	2,811391	2,8856037	2,940386333	0,05478267	1,038702617	Mir201
17305826	7,49045	8,182669	7,581642	7,498599	7,834284	8,086229	7,751587	7,806370667	0,05478367	1,038703337	---
17360728	4,224943	4,364287	4,143719	4,710915	4,251305	3,935107	4,2443163	4,299109	0,05479267	1,038709817	Gfra1 // Gfra1
17547517	3,778053	3,776304	3,805629	3,912516	3,843055	3,768885	3,786662	3,841485333	0,05482333	1,038731897	LOC100862633
17449804	10,31199	10,33267	10,2979	10,33	10,35435	10,42271	10,314187	10,36902	0,05483333	1,038739097	Ccni
17230282	11,51667	11,54473	11,5294	11,58704	11,59907	11,56925	11,530267	11,58512	0,05485333	1,038753497	Hnrnpu
17383785	4,334992	4,421483	4,391096	4,389119	4,504703	4,418323	4,3825237	4,437381667	0,054858	1,038756857	Prdm12 // Prdm12
17239142	6,900496	6,94634	6,601315	6,87833	6,928439	6,805986	6,8160503	6,870918333	0,054868	1,038764057	Samd5
17438869	5,040474	4,885003	5,197225	5,170967	5,129303	4,987062	5,0409007	5,095777333	0,05487667	1,038770297	Npffr2
17226953	9,008371	9,079091	9,021887	9,187493	9,150893	8,935616	9,0364497	9,091334	0,05488433	1,038775817	Mdm4
17535191	5,53669	5,548572	5,629087	6,01774	5,312412	5,548885	5,5714497	5,626345667	0,054896	1,038784217	---
17326602	3,427036	3,812561	3,496042	3,345357	4,041733	3,513238	3,5785463	3,633442667	0,05489633	1,038784457	---
17391461	11,20749	11,24873	11,06327	11,26929	11,02446	11,39045	11,173163	11,22806667	0,05490333	1,038789498	---
17424742	7,589719	7,569952	7,686936	7,668252	7,83361	7,509497	7,6155357	7,670453	0,05491733	1,038799578	Gba2
17431187	7,831834	7,820892	7,882755	8,099105	7,775506	7,82563	7,8451603	7,900080333	0,05492	1,038801498	Ccdc21
17338517	3,797389	3,648304	3,849776	3,849776	3,768576	3,841898	3,7651563	3,820083333	0,054927	1,038806539	AY702103
17463646	3,296872	3,102046	3,148967	3,216272	3,495704	3,000746	3,1826283	3,237574	0,05494567	1,03881998	Tas2r129
17421476	7,179151	7,457103	7,284231	7,230488	7,290608	7,56424	7,3068283	7,361778667	0,05495033	1,03882334	Gm13139
17219484	10,95348	10,89439	11,13037	10,99236	11,19641	10,95433	10,992747	11,0477	0,05495333	1,0388255	---
17507682	7,038481	7,334779	7,196563	7,191266	7,207801	7,335668	7,189941	7,244911667	0,05497067	1,038837981	Erich1
17380637	5,83908	5,926445	5,927795	5,979011	6,017134	5,862214	5,8977733	5,952786333	0,055013	1,038868464	Cdh4
17326295	4,896034	4,468037	4,652132	4,914691	4,664146	4,602405	4,6720677	4,727080667	0,055013	1,038868464	Impg2
17209575	3,649457	3,798034	3,59925	3,851288	3,068557	4,292027	3,682247	3,737290667	0,05504367	1,038890547	---
17280687	3,734909	3,658824	3,844151	3,832901	3,862857	3,707264	3,7459613	3,801007333	0,055046	1,038892228	---
17474338	3,516198	3,450278	3,431501	3,5734	3,502421	3,487353	3,4659923	3,521058	0,05506567	1,03890639	Igfl3
17524363	3,298806	3,413047	3,315335	3,285723	3,458625	3,448039	3,342396	3,397462333	0,05506633	1,03890687	Olfr18
17490005	5,815939	5,880693	5,956528	5,888954	6,004086	5,925343	5,8843867	5,939461	0,055074333	1,038912631	AW146154
17411133	3,540942	3,432516	3,600419	3,76993	3,399979	3,569214	3,5246257	3,579707667	0,055082	1,038918152	---
17548711	4,839668	4,673015	4,863308	4,820855	4,946229	4,774167	4,791997	4,847083667	0,05508667	1,038921512	Gm10690
17420435	3,697594	4,372394	3,838586	3,826048	4,008484	4,239345	3,9695247	4,024625667	0,055101	1,038931834	---
17312653	4,23185	3,901326	3,918477	3,953111	4,296606	3,967243	4,0172177	4,07232	0,05510233	1,038932794	1700109K24Rik
17340377	3,746106	3,714708	3,642675	3,611884	3,966887	3,690086	3,701163	3,756285667	0,05512267	1,038947437	4933400B14Rik
17410636	9,933972	10,00972	9,926612	9,996455	10,08108	9,958257	9,956768	10,01193067	0,05516267	1,038976243	Mttp
17493614	9,43893	9,299501	9,211582	9,471544	9,249886	9,3941	9,316671	9,371843333	0,05517233	1,038983205	Uvrag
17511765	4,943341	4,794445	5,064915	4,780312	5,205272	4,982644	4,9342337	4,989409333	0,05517567	1,038985605	Ces1h
17426944	3,903478	3,920237	3,884689	4,099121	3,924367	3,85045	3,9028013	3,957979333	0,055178	1,038987286	Fam154a
17347376	3,974802	3,946836	4,073574	4,019238	4,074056	4,067469	3,998404	4,053587667	0,05518367	1,038991367	Sult6b1
17200517	5,548059	5,712113	5,782339	5,954671	5,456964	5,796444	5,680837	5,736026333	0,05518933	1,038995448	---
17485226	8,266635	8,315547	8,203766	8,452889	8,221111	8,277522	8,2619827	8,317174	0,05519133	1,038996888	Lsp1
17496757	4,69746	4,652381	4,677668	4,776143	4,536317	4,88068	4,6758363	4,731046667	0,05521033	1,039010572	Ctf2
17549778	3,455712	3,291929	3,269442	3,467027	3,42907	3,286632	3,3390277	3,394243	0,05521533	1,039014173	---
17495247	2,917495	3,033117	3,045993	3,072688	3,125159	2,964463	2,9988683	3,054103333	0,055235	1,039028336	---
17450760	4,766818	5,146451	4,844647	4,949426	5,133293	4,840967	4,9193053	4,974562	0,05525667	1,039043941	Pcgf3 // Pcgf3
17423591	4,358769	4,127409	4,266655	4,394944	4,207213	4,316459	4,2509443	4,306205333	0,055261	1,039047062	4930480G23Rik
17513560	7,137308	7,191295	7,217573	7,313189	7,165239	7,233554	7,1820587	7,237327333	0,05526867	1,039052583	Mthfsd
17465837	4,204778	4,254735	4,475575	4,460838	4,186181	4,453882	4,311696	4,366967	0,055271	1,039054264	Chrm2
17475225	8,234523	9,253899	9,02104	8,958133	8,612949	9,104218	8,8364873	8,891766667	0,05527933	1,039060266	---
17233858	4,113512	4,208825	4,210738	4,130655	4,225109	4,343185	4,1776917	4,232983	0,05529133	1,039068908	---
17311445	4,136195	4,262182	4,290009	4,345573	4,218178	4,290566	4,229462	4,284772333	0,05531033	1,039082593	---
17369863	9,573343	9,664461	9,801145	9,833888	9,699788	9,671208	9,6796497	9,734961333	0,05531167	1,039083553	---
17424972	4,995617	4,865448	5,051251	4,936528	5,063785	5,077976	4,970772	5,026096333	0,05532433	1,039092676	Igfbpl1
17295607	5,95315	5,970618	5,970136	5,875741	6,021325	6,162847	5,9646347	6,019971	0,05533633	1,039101319	Naip6
17387652	4,263261	4,273048	4,229284	4,584095	4,162817	4,184716	4,2551977	4,310542667	0,055345	1,039107561	Olfr1047
17299512	3,603887	3,782131	3,5803	3,898217	3,60265	3,6315	3,6554393	3,710789	0,05534967	1,039110923	Olfr748
17352193	6,963098	6,78776	7,120175	6,977823	7,020712	7,03856	6,957011	7,012365	0,055354	1,039114044	Gm10524
17509479	4,353076	4,269427	4,526806	4,495529	4,446487	4,373367	4,383103	4,438461	0,055358	1,039116925	Galntl6
17203201	3,022454	2,99157	2,810839	3,070308	3,018262	2,902423	2,941621	2,996997667	0,05537667	1,03913037	---
17228611	5,650138	5,322602	5,752593	5,609536	5,823728	5,458253	5,575111	5,630505667	0,05539467	1,039143335	1700057K13Rik
17418893	4,990224	5,160003	5,032917	5,075073	5,284433	4,989825	5,061048	5,116443667	0,05539567	1,039144055	Trim62
17267660	5,143822	5,032441	5,535285	5,24682	5,497307	5,133636	5,2371827	5,292587667	0,055405	1,039150778	4932411E22Rik
17279919	7,169608	7,263888	7,176257	7,277509	7,158327	7,340159	7,203251	7,258665	0,055414	1,03915726	Rhob
17256051	4,797601	4,665354	4,593668	4,557748	4,851444	4,813752	4,685541	4,740981333	0,05544033	1,039176228	Zpbp2
17434073	7,585515	7,629739	7,628265	7,635753	7,785913	7,588212	7,6145063	7,669959333	0,055453	1,039185352	Dhrsx
17522870	4,012115	3,734901	4,05575	3,941249	3,922536	4,105355	3,9342553	3,989713333	0,055458	1,039188953	4933432G23Rik
17464986	3,714533	3,571325	4,137434	3,767918	4,040117	3,781641	3,807764	3,863225333	0,05546133	1,039191354	Asz1
17510492	4,481759	4,30377	4,507839	4,425889	4,564978	4,468903	4,4311227	4,48659	0,05546733	1,039195676	LOC100505001
17216120	4,924018	4,751066	5,130339	5,317609	4,927448	4,726843	4,935141	4,990633333	0,05549233	1,039213684	Gm9994
17540937	4,51366	4,288112	4,439192	4,517926	4,514981	4,374653	4,4136547	4,469186667	0,055532	1,039242258	---
17436583	8,024189	8,074369	8,016003	8,080295	8,119347	8,081558	8,038187	8,093733333	0,05554633	1,039252583	Fam193a
17444855	9,22307	9,286951	9,165468	9,242828	9,355483	9,243856	9,225163	9,280722333	0,05555933	1,039261947	Pan3
17345611	7,235425	7,455774	6,732949	7,142558	6,780396	7,667887	7,1413827	7,196947	0,05556433	1,039265549	---
17479952	3,241548	3,16828	3,166517	3,117976	3,445918	3,179224	3,192115	3,247706	0,055591	1,039284759	Vmn2r77
17429854	4,584036	4,004354	4,659201	4,472986	4,474605	4,466795	4,4158637	4,471462	0,05559833	1,039290042	---
17233635	10,98811	10,95388	10,78529	10,92808	10,95533	11,01071	10,909093	10,96470667	0,05561333	1,039300848	---
17465740	6,644613	6,572594	6,752012	6,669861	6,869993	6,59625	6,6564063	6,712034667	0,05562833	1,039311654	3110062M04Rik
17338168	8,041416	8,213582	7,973174	7,899318	8,317791	8,187974	8,0760573	8,113694333	0,055637	1,039317897	Mea1
17520742	5,546404	5,528459	5,689607	5,586806	5,633368	5,711208	5,5881567	5,643794	0,05563733	1,039318137	Dzip1l
17508134	8,722317	8,653295	8,485531	8,751661	8,683745	8,59265	8,620381	8,676018667	0,05563767	1,039318377	Agpat6
17514135	8,667878	8,754443	8,658821	8,67325	8,778362	8,796449	8,693714	8,749353667	0,05563967	1,039319818	Egln1
17324001	6,330471	6,652876	6,458156	6,462855	6,744006	6,401587	6,480501	6,536149333	0,05564833	1,039326062	Ece2
17350790	7,694584	7,867637	7,775852	7,782565	7,869369	7,853097	7,7793577	7,835010333	0,05565267	1,039329183	Prrc1
17464238	8,324379	8,462556	8,221084	8,490692	8,223302	8,461	8,3360063	8,391664667	0,05565833	1,039333266	Lyrm5
17451957	6,455547	6,187979	6,481281	6,50491	6,270458	6,516438	6,3749357	6,430602	0,05566633	1,039339029	Sdsl
17201103	7,265736	7,958087	7,337996	7,114316	7,855186	7,759345	7,5206063	7,576282333	0,055676	1,03934593	---
17322280	10,51156	10,68543	10,71319	10,74335	10,76921	10,56466	10,636727	10,69240667	0,05568	1,039348875	Atp5g2
17210065	6,868237	6,626374	6,96353	7,192646	6,679852	6,752686	6,8193803	6,875061333	0,055681	1,039349595	---
17219284	2,962326	3,111032	2,934762	2,931081	3,183646	3,060519	3,0027067	3,058415333	0,05570867	1,039369527	---
17331863	3,472219	3,518307	3,502797	3,391244	3,694358	3,574864	3,4977743	3,553488667	0,05571433	1,039373609	Krtap16-2
17234165	4,446899	4,479816	4,28887	4,547792	4,372144	4,462792	4,405195	4,460909333	0,05571433	1,039373609	---
17443254	5,758152	5,500175	5,568031	5,704705	5,594234	5,694617	5,608786	5,664518667	0,05573267	1,039386818	Trim50
17537537	7,87018	7,792092	7,644892	7,966795	7,798756	7,708815	7,7690547	7,824788667	0,055734	1,039387778	Diap2
17391670	7,045096	7,281949	7,128333	7,107325	7,305145	7,21012	7,1517927	7,20753	0,05573733	1,03939018	Ubox5
17359803	7,126192	7,182694	7,323486	7,187052	7,366769	7,245791	7,2107907	7,266537333	0,05574667	1,039396904	Sfxn3
17394679	5,652164	5,661957	5,612868	5,782313	5,720477	5,591443	5,6423297	5,698077667	0,055748	1,039397864	Ptgis
17205631	6,867511	6,773765	6,420722	6,778844	6,334956	7,115444	6,6873327	6,743081333	0,05574867	1,039398345	---
17479917	3,359438	3,089058	3,278571	3,263833	3,297017	3,333494	3,2423557	3,298114667	0,055759	1,03940579	2610206C17Rik
17495890	7,753031	7,831356	7,907304	7,880192	7,847935	7,930866	7,8305637	7,886331	0,05576733	1,039411793	Gga2
17402953	9,26434	9,37676	9,247355	9,343699	9,4017	9,310382	9,2961517	9,351927	0,05577533	1,039417557	Ppp3ca
17378216	7,005467	6,984109	6,981544	7,172052	7,003081	6,963361	6,9903733	7,046164667	0,05579133	1,039429085	Cbfa2t2
17344158	6,166688	5,923711	6,462442	6,426873	6,172329	6,121079	6,1842803	6,240093667	0,05581333	1,039444935	Msh5
17278783	4,13697	4,383803	4,099481	4,333181	4,26026	4,194254	4,2067513	4,262565	0,05581367	1,039445175	---

17347139	4,877313	4,809054	4,809054	4,983682	4,845977	4,833272	4,831807	4,887643667	0,05583667	1,039461747	Galnt14
17352575	4,572417	4,426043	4,632533	4,604374	4,611964	4,582179	4,5436643	4,599505667	0,05584133	1,039465109	Gjd4 // Gjd4
17325861	6,343289	5,778571	6,33553	6,287309	6,488955	5,848651	6,1524633	6,208305	0,05584167	1,039465349	Cd200r1
17369232	6,231677	6,196349	6,329752	6,184518	6,398342	6,34246	6,2525927	6,30844	0,05584733	1,039469432	Crat // Crat
17286220	3,973798	3,777205	4,07167	4,152103	4,04986	3,788274	3,940891	3,996745667	0,05585467	1,039474716	Prl5a1
17290190	3,703737	3,519549	3,949265	3,867949	3,774202	3,697972	3,7241837	3,780041	0,05585733	1,039476637	D13Ertd608e // D13Ertd608e
17353032	8,133991	8,212276	8,076586	8,173382	8,195902	8,221151	8,140951	8,196811667	0,05586067	1,039479039	Fam59a
17205745	6,696111	6,401258	6,415411	7,011471	5,974601	6,694298	6,50426	6,560123333	0,05586333	1,03948096	---
17453111	4,652636	4,430443	4,620916	4,61631	4,636158	4,619141	4,5679983	4,623869667	0,05587133	1,039486724	Sept14
17206185	4,910615	4,78441	4,948725	4,88579	4,76627	5,159336	4,88125	4,937132	0,055882	1,03949441	---
17519910	8,492833	8,436514	8,449586	8,556726	8,510675	8,479204	8,4596443	8,515535	0,05589067	1,039500655	Ttk
17545496	3,80994	3,639451	3,584268	3,804753	3,683045	3,713591	3,6778863	3,733796333	0,05591	1,039514585	Samt1
17545502	3,80994	3,639451	3,584268	3,804753	3,683045	3,713591	3,6778863	3,733796333	0,05591	1,039514585	Samt1
17410400	6,096812	5,85934	5,779734	5,888412	6,03142	5,983786	5,911962	5,967872667	0,05591067	1,039515065	Cyp2u1
17440572	5,169446	5,212735	5,199357	5,180102	5,399277	5,169939	5,193846	5,249772667	0,05592667	1,039526594	---
17308568	3,894186	4,113283	4,157559	3,8667	4,246223	4,219929	4,0550093	4,110950667	0,05594133	1,039537162	Rb1
17515496	5,091725	4,914581	5,165565	5,343464	5,243508	4,752768	5,0572903	5,113246667	0,05595633	1,03954797	Npsr1
17305845	3,75238	3,834113	3,955855	3,935032	3,889823	3,885396	3,8474493	3,903417	0,05596767	1,039556137	Gm3552
17244522	8,9015	8,734067	9,084304	9,043796	8,871068	8,972936	8,9066237	8,9626	0,05597633	1,039562382	Mir3058
17528913	5,209289	4,770456	5,065287	5,131752	5,017579	5,063694	5,0150107	5,071008333	0,05599767	1,039577754	Hcrtr2
17267268	9,766684	9,923292	9,668598	9,811789	9,868254	9,846542	9,7861913	9,842195	0,05600367	1,039582077	Med13
17378827	11,35961	11,61495	11,27913	11,41876	11,50869	11,49426	11,417897	11,47390333	0,05600667	1,039584239	Lbp
17283030	6,003302	6,103365	5,914012	6,043175	5,967117	6,178426	6,006893	6,062906	0,056013	1,039588803	Ston2
17514379	8,013083	8,147869	8,09436	8,190713	8,195866	8,036777	8,085104	8,141118667	0,05601467	1,039590004	Cwf19l2
17544870	4,041029	3,646004	3,991475	4,129992	3,892056	3,824565	3,892836	3,948871	0,056035	1,039604656	Ripply1
17436171	7,670897	7,592944	7,587191	7,717026	7,608331	7,693786	7,6170107	7,673047667	0,056037	1,039606097	Slc4a1ap
17286703	4,131109	3,904316	3,992581	4,175908	3,935936	4,084311	4,0093353	4,065385	0,05604967	1,039615225	---
17284609	6,240326	6,191051	6,30714	6,342216	6,390658	6,173808	6,2461723	6,302273333	0,056055	1,039619068	---
17459601	5,467723	5,478764	5,716316	5,547287	5,578433	5,705266	5,5542677	5,610328667	0,056061	1,039623392	Sftpb
17517733	5,362048	5,348831	5,577524	5,509348	5,547274	5,399964	5,4294677	5,485528667	0,056061	1,039623392	2310046O06Rik
17313911	6,666142	6,627055	6,705622	6,658949	6,82863	6,679432	6,666273	6,722337	0,056064	1,039625553	Tmnu
17306877	6,162812	6,202033	6,141881	6,295971	6,137989	6,240973	6,1689087	6,224977667	0,056069	1,039629156	Adcy4
17258947	7,451689	7,6801	7,499707	7,570021	7,43097	7,798773	7,543832	7,599921333	0,05608933	1,039643809	Cbx2
17207479	5,02032	4,741362	5,159243	5,01258	5,135487	4,941132	4,9736417	5,029733	0,05609133	1,03964525	---
17241130	7,82463	7,652954	7,505278	7,639287	7,88818	7,623769	7,660954	7,717078667	0,05612467	1,039669272	Slc29a3
17426495	3,454683	3,030797	3,230089	3,218411	3,501556	3,163981	3,238523	3,294649333	0,05612633	1,039670473	---
17503616	7,194082	7,288653	7,527349	7,239254	7,534709	7,404524	7,3366947	7,392829	0,05613433	1,039676238	Adcy7
17364820	4,620515	4,464026	4,570123	4,28171	4,945533	4,595882	4,5515547	4,607708333	0,05615367	1,03969017	Sfrp5
17448815	4,735543	4,762733	5,004876	4,863203	5,011102	4,797328	4,834384	4,890544333	0,05616033	1,039694975	1700025M24Rik
17299744	5,407203	5,350981	5,47668	5,262224	5,851688	5,289452	5,4116213	5,467788	0,05616667	1,039699539	Chd8
17455542	4,953243	4,982287	5,403666	5,391386	5,108966	5,007417	5,1130653	5,169256333	0,056191	1,039717075	Gm5
17462170	7,115996	7,312575	7,151035	7,239105	7,255986	7,2531	7,193202	7,249397	0,056195	1,039719958	Zfp637
17428766	6,735522	6,976052	6,517525	6,787605	6,587635	7,02247	6,743033	6,799236667	0,05620367	1,039726204	Plk3
17257565	7,151966	7,260712	6,856023	7,468886	6,712558	7,255877	7,089567	7,145773667	0,05620667	1,039728366	---
17243022	7,986331	7,857234	7,884812	7,824506	8,08985	7,982646	7,909459	7,965667333	0,05620833	1,039729567	Btbd2
17479165	4,48651	4,049294	4,540297	4,258068	4,514342	4,472358	4,3587003	4,414922667	0,05622233	1,039739657	---
17357227	10,9172	10,90214	10,91558	10,87308	11,08493	10,94564	10,91164	10,96788333	0,05624333	1,039754791	---
17460342	8,296496	8,579415	8,374562	8,462353	8,484277	8,472733	8,4168243	8,473121	0,05629667	1,03979323	Tprkb
17355646	7,105504	7,099623	7,101974	7,113384	7,310516	7,052118	7,102367	7,158672667	0,05630567	1,039799716	Ctdp1
17485745	5,806866	5,735157	5,846731	5,907492	5,718709	5,931489	5,7962513	5,852563333	0,056312	1,039804281	D630041G03Rik
17357225	10,53481	10,70017	10,51638	10,89332	10,47221	10,55477	10,583787	10,6401	0,05631333	1,039805242	---
17439229	2,748616	2,809572	3,317966	2,989173	3,085326	2,970595	2,958718	3,015031333	0,05631333	1,039805242	---
17210619	3,156173	3,288563	4,050141	3,07234	3,789455	3,80207	3,4982923	3,554621667	0,05632933	1,039816774	---
17516422	6,3268	6,223133	6,18	6,203473	6,390924	6,304525	6,243311	6,299640667	0,05632967	1,039817014	---
17366271	7,962955	8,023072	7,657296	8,091293	7,934814	7,78624	7,8811077	7,937449	0,05634133	1,039825423	Sp110 // Sp110
17390810	8,681046	8,640652	8,647179	8,682247	8,710533	8,745199	8,6562923	8,712659667	0,05636733	1,039844163	Gatm
17201747	4,454772	3,893107	4,465941	4,312169	4,507017	4,163752	4,2712733	4,327646	0,05637267	1,039848007	---
17201923	4,454772	3,893107	4,465941	4,312169	4,507017	4,163752	4,2712733	4,327646	0,05637267	1,039848007	---
17225088	4,128833	4,057677	4,33933	4,442087	4,254535	3,998366	4,17528	4,231662667	0,05638267	1,039855214	Sp110
17380757	4,376626	4,296252	4,386989	4,277774	4,521571	4,42968	4,353289	4,409675	0,056386	1,039857617	Gm6307
17344743	4,812304	4,233419	4,543187	4,536615	4,678277	4,543187	4,5296367	4,586026333	0,05638967	1,03986026	H2-M10.4
17200273	3,105647	3,029371	3,029371	3,428677	2,909174	2,99574	3,0547963	3,111197	0,05640067	1,039868188	---
17279998	5,418396	5,162186	5,31636	5,297147	5,407482	5,361532	5,2989807	5,355387	0,05640633	1,039872273	Mycn
17256896	7,172429	7,124176	7,081626	6,954334	7,283669	7,309482	7,126077	7,182495	0,056418	1,039880682	G6pc3
17311785	6,808003	6,840185	6,841634	6,768965	7,068542	6,821589	6,8299407	6,886365333	0,05642467	1,039885487	Trmt12
17210067	6,138465	5,557242	6,246121	5,802911	5,838475	6,469716	5,9806093	6,037034	0,05642467	1,039885487	---
17372894	3,690182	4,403694	4,237834	4,203139	4,23347	4,064398	4,11057	4,167002333	0,05643233	1,039891013	Olfr1158
17361600	5,932684	5,774369	5,822816	5,933224	5,791183	5,974788	5,8432897	5,899731667	0,056442	1,039897981	Ccdc85b
17304899	4,619387	4,449133	4,454309	4,703745	4,337514	4,650917	4,5076097	4,564058667	0,056449	1,039903027	Slc18a3
17548873	6,846811	7,334682	7,052787	6,962623	7,256224	7,18478	7,0780933	7,134542333	0,056449	1,039903027	---
17480729	5,126961	5,047552	4,974549	5,205922	5,114485	4,998009	5,0496873	5,106138667	0,05645133	1,039904709	Ucp3
17267768	5,064368	4,69842	4,959663	4,86171	5,03831	4,991843	4,9074837	4,963954333	0,05647067	1,039918644	Kif2b
17221267	9,800126	10,1116	9,768771	9,889791	10,10419	9,855941	9,893499	9,949974	0,056475	1,039921768	---
17269261	5,437098	5,225445	5,303517	5,431276	5,461542	5,242748	5,32202	5,378522	0,056502	1,03994123	---
17530923	4,993219	5,098186	5,22187	5,346087	5,14938	4,987374	5,104425	5,160947	0,056522	1,039955647	---
17203597	5,937168	5,840948	6,336108	5,928127	6,370741	5,984927	6,0380747	6,094598333	0,05652367	1,039956848	---
17504380	4,048869	3,512142	3,451118	3,911916	3,760317	3,50956	3,6707097	3,727264333	0,05655467	1,039979195	---
17227872	8,369667	8,568559	8,340891	8,497224	8,507291	8,444271	8,4263723	8,482928667	0,05655633	1,039980396	BC003331
17351886	8,628974	8,700414	8,271531	8,524326	8,651132	8,595141	8,5336397	8,590199667	0,05656	1,039983039	Smad2
17490149	9,070041	9,269932	9,035785	9,221934	9,273047	9,05046	9,1252527	9,181813667	0,056561	1,03998376	Cd33 // Cd33
17236003	7,926025	8,050929	7,887322	7,81161	8,121165	8,101192	7,9547587	8,011322333	0,05656367	1,039985682	Tcp11l2
17538793	11,23013	10,99761	11,08836	11,19413	11,17255	11,11912	11,105367	11,16193333	0,05656667	1,039987845	---
17205171	3,561563	3,330187	2,954737	3,200924	3,761499	3,053781	3,2821623	3,338734667	0,05657233	1,03999193	---
17209361	3,561563	3,330187	2,954737	3,200924	3,761499	3,053781	3,2821623	3,338734667	0,05657233	1,03999193	---
17501220	7,08446	7,13984	7,199317	7,380392	7,05693	7,156014	7,1412057	7,197778667	0,056573	1,03999241	---
17501222	7,08446	7,13984	7,199317	7,380392	7,05693	7,156014	7,1412057	7,197778667	0,056573	1,03999241	---
17229749	4,385702	4,599796	4,865612	4,654041	4,897879	4,468913	4,6170367	4,673611	0,05657433	1,039993372	---
17216490	5,1167	4,835312	5,00774	4,894607	5,103524	5,131346	4,986584	5,043159	0,056575	1,039993852	---
17208823	4,453845	3,90143	4,351309	4,179276	4,415034	4,282081	4,235528	4,292130333	0,05660233	1,040013556	---
17489156	12,34208	12,23617	12,17517	12,28083	12,33778	12,3047	12,25114	12,30777	0,05663	1,040033501	---
17351330	8,307403	8,110346	8,095738	8,169723	8,337913	8,17578	8,1711623	8,227805333	0,056643	1,040042872	Malt1
17455954	3,912358	3,807608	3,776596	3,737062	3,974352	3,955079	3,8321873	3,888831	0,05664367	1,040043353	Tac1
17501652	9,900126	9,981949	9,902487	10,04098	10,0172	9,896379	9,9281873	9,984853	0,05666567	1,040059213	Atp6v1b2
17487226	5,547859	5,690048	5,892802	5,698514	5,844612	5,757594	5,7102363	5,766906667	0,05667033	1,040062577	Klc3
17537942	6,002147	5,302734	5,726617	5,809554	5,709024	5,683006	5,677166	5,733861333	0,05669533	1,0400806	BC065397
17448783	8,952319	8,368602	8,562962	8,525606	8,847648	8,680729	8,627961	8,684661	0,0567	1,040083965	---
17465396	4,78439	4,587093	4,924608	4,778656	4,886327	4,801217	4,7653637	4,822066667	0,056703	1,040086127	Opn1sw
17526836	3,533868	3,48107	3,550428	3,577067	3,485575	3,672878	3,5217887	3,578506667	0,056718	1,040096941	Tex12
17508706	7,510572	7,653507	7,812375	7,678574	7,800817	7,667263	7,658818	7,715551333	0,05673333	1,040107996	Dctn6
17281228	8,708498	8,687934	8,608548	8,737467	8,746712	8,691084	8,6683267	8,725087667	0,056761	1,040127942	Ralgapa1
17415323	6,800104	6,40154	6,522594	6,63833	6,614664	6,641531	6,574746	6,631508333	0,05676233	1,040128904	Gm13288 // Gm13288
17200479	5,806073	5,032927	6,293792	5,724002	6,102363	5,476763	5,7109307	5,767709333	0,05677867	1,040140679	---
17280086	4,460759	4,399521	4,466597	4,519154	4,388237	4,589823	4,4422923	4,499071333	0,056779	1,04014092	Greb1
17440974	6,17081	5,928451	5,99395	6,087372	6,178402	5,997796	6,0310703	6,087856667	0,05678633	1,040146207	BC057022
17349807	5,246459	5,271552	5,317207	5,291637	5,330116	5,383825	5,278406	5,335192667	0,05678667	1,040146447	Pcdhgb6
17355366	8,956963	9,041796	9,034706	9,091317	9,073036	9,039476	9,011155	9,067943	0,056788	1,040147409	Smad4
17289432	5,988767	5,811036	5,775503	5,951588	5,756835	6,037279	5,8584353	5,915234	0,05679867	1,040155099	Zfp366
17200005	4,150744	4,278384	4,325808	4,949305	3,959819	4,01621	4,2516453	4,308444667	0,05679933	1,04015558	---
17224993	10,38339	10,4376	10,32721	10,41764	10,54784	10,35318	10,382733	10,43955333	0,05682	1,04017048	Trip12
17464455	6,414735	7,328694	6,481476	7,197944	6,659684	6,537768	6,741635	6,798465333	0,05683033	1,04017793	Far2
17250867	3,908035	3,788799	3,877965	3,869938	3,955553	3,919801	3,8582663	3,915097333	0,056831	1,040178411	---
17414385	4,512567	4,512901	4,545576	4,56587	4,649207	4,526522	4,5236813	4,580533	0,05685167	1,040193112	Musk
17431302	8,402755	8,518026	8,494864	8,421331	8,536627	8,628249	8,4718817	8,528735667	0,056854	1,040194994	Fam54b
17470917	5,20457	5,177968	5,755692	5,399529	5,348438	5,560851	5,37941	5,436272667	0,05686267	1,040201243	Gnb3
17513417	8,336473	8,402389	8,402279	8,481359	8,467961	8,362428	8,3803803	8,437249333	0,056869	1,040205809	Mbtps1
17490702	8,42714	8,155635	8,40885	8,35075	8,379812	8,431724	8,3305417	8,387428667	0,056887	1,040218788	Cd37
17433901	5,451126	5,238576	5,864895	5,801946	5,375201	5,548122	5,518199	5,575089667	0,05689067	1,040221431	Tas1r3
17401999	8,022096	7,091733	7,287213	7,567155	7,595864	7,408713	7,467014	7,523910667	0,05689667	1,040225757	---
17275955	6,414292	6,26627	6,333239	6,437309	6,444516	6,302721	6,3379337	6,394848667	0,056915	1,040238976	Atl1
17308808	6,559258	6,261856	6,592183	6,694301	6,566741	6,323005	6,471099	6,528015667	0,05691667	1,040240178	AU021034
17211524	8,156872	7,663283	6,880399	7,843621	7,342025	7,685677	7,5668513	7,623774333	0,056923	1,040244745	---
17280422	5,052347	5,000255	4,768946	4,943045	5,095249	4,954113	4,940516	4,997469	0,056953	1,040266376	---
17331249	2,784477	2,950296	2,969844	3,005353	2,825236	3,045017	2,901539	2,958535333	0,05699633	1,040297623	Olfr192
17316197	6,785152	6,900326	6,828633	6,872116	7,175794	6,637198	6,838037	6,895036	0,056999	1,040299545	Fam105a
17389034	8,521398	8,865891	8,396055	8,661807	8,66925	8,623306	8,594448	8,651454333	0,05700633	1,040304833	Rcn1
17471828	4,114347	4,907915	4,252784	5,001696	4,365887	4,078498	4,4250153	4,482027	0,05701167	1,040308679	Klra2
17233027	8,848883	8,864341	9,093971	8,873427	9,038669	9,066147	8,9357317	8,992747667	0,057016	1,040311804	F830002L21Rik
17537839	4,628907	4,589622	4,606877	4,606877	4,598234	4,791431	4,6084687	4,665514	0,05704533	1,040332956	Gprasp2
17416136	4,918941	4,703374	4,900451	4,9603	4,833687	4,899968	4,840922	4,897985	0,057063	1,040345696	4930456L15Rik // 4930456L15Rik
17369865	6,724586	6,276375	7,233388	6,456277	6,831204	7,118073	6,744783	6,801851333	0,05706833	1,040349542	---
17462044	4,525269	4,570198	4,64502	4,54241	4,713059	4,656223	4,5801623	4,637230667	0,05706833	1,040349542	H1foo
17523309	6,504654	6,4282	6,513088	6,465744	6,598813	6,552613	6,4819807	6,539056667	0,057076	1,04035507	Vipr1
17200291	9,878084	9,067961	9,639078	9,83744	9,436748	9,48218	9,5283743	9,585456	0,05708167	1,040359156	---
17500801	4,17034	4,573842	3,856255	4,064054	4,580075	4,127572	4,2001457	4,257233667	0,057088	1,040363724	2810404M03Rik

17503300	6,597181	6,665056	6,308451	6,517107	6,822943	6,401903	6,5235627	6,580651	0,05708833	1,040363964	Hook2
17491285	5,730794	5,738778	6,053396	5,963797	5,88311	5,847353	5,8409893	5,898086667	0,05709733	1,040370454	Ptpn5
17486870	6,999129	7,068651	7,038763	6,971503	7,19203	7,11431	7,0355143	7,092614333	0,0571	1,040372377	Prr24
17208365	5,237313	4,582083	5,476763	5,038172	5,388281	5,041021	5,0987197	5,155824667	0,057105	1,040375983	---
17203247	6,559636	5,931965	6,727599	6,670569	6,342294	6,37767	6,4064	6,463511	0,057111	1,04038031	---
17455986	6,169556	6,58004	6,362124	6,408539	6,421613	6,452923	6,3705733	6,427691667	0,05711833	1,040385598	Gm16039
17544845	4,523858	4,149087	4,291114	4,521172	4,317986	4,296288	4,321353	4,378482	0,057129	1,04039329	C330013F16Rik
17249538	4,047477	3,993027	3,853606	3,748513	4,390725	3,926276	3,9647033	4,021838	0,05713467	1,040397377	Sowaha
17486358	6,56565	6,172299	5,12654	6,120688	5,993932	5,921289	5,9548297	6,011969667	0,05714	1,040401223	Vmn2r42 // Vmn2r42
17491961	7,091847	6,883566	6,937105	7,03171	7,141839	6,910393	6,9708393	7,027980667	0,05714133	1,040402184	Asb7
17400586	2,965572	3,19278	2,845024	2,944464	3,260558	2,969781	3,0011253	3,058267667	0,05714233	1,040402905	---
17330410	7,470577	7,407598	7,231426	7,490402	7,402488	7,388205	7,369867	7,427031667	0,05716467	1,040419011	Arhgap31
17222837	9,380466	9,463529	9,185272	9,362972	9,406366	9,431451	9,343089	9,400263	0,057174	1,040425742	Myo1b
17474231	6,259475	6,09192	6,206837	6,115705	6,2431	6,371001	6,1860773	6,243268667	0,05719133	1,040438243	Ccdc8
17285539	4,253699	4,243096	4,09803	4,196662	4,516484	4,053306	4,198275	4,255484	0,057209	1,040450983	---
17459395	5,608289	5,388752	5,929407	5,242317	5,944285	5,911507	5,6421493	5,699369667	0,05722033	1,040459157	---
17278512	9,199597	9,092029	9,072218	9,244853	9,11121	9,179484	9,1212813	9,178515667	0,05723433	1,040469254	Ccnk
17500340	4,640783	4,908209	4,837234	4,85454	4,96303	4,740383	4,7954087	4,852651	0,05724233	1,040475023	Chrnb3
17396876	6,399127	6,265017	6,195684	6,806244	6,009626	6,215688	6,2866093	6,343852667	0,05724333	1,040475744	---
17344021	6,542809	6,41512	6,275526	6,711036	6,694002	6,000176	6,4111517	6,468404667	0,057253	1,040482716	Stk19
17304353	4,854541	4,952412	4,972713	4,981183	5,008534	4,961728	4,9265553	4,983815	0,0725967	1,040487524	Cacna1d
17202545	5,405959	5,594702	6,420475	5,88104	5,773028	5,938944	5,8070453	5,864337333	0,057292	1,040510844	---
17287794	4,751978	4,70666	4,573441	4,597525	4,978299	4,628154	4,6773597	4,734659333	0,0729967	1,040516373	Gm10782
17300002	4,520549	4,372138	4,47766	4,512054	4,460121	4,57012	4,4567823	4,514098333	0,057316	1,040528153	---
17396498	5,836635	5,539227	5,691854	5,854718	5,628601	5,756357	5,6892387	5,746558667	0,05732	1,040531038	Rpl22l1
17382104	8,902657	8,892807	8,879578	8,974689	8,922478	8,949835	8,8916807	8,949000667	0,05732	1,040531038	Arhgap21
17439797	4,91847	4,670785	5,096359	4,904469	4,915081	5,038066	4,8952047	4,952538667	0,057334	1,040541136	Dspp
17300040	7,904703	8,137308	8,141713	8,190263	8,129086	8,036385	8,0612413	8,118578	0,05733667	1,040543059	---
17421536	8,438572	8,621174	8,813537	8,639819	8,579745	8,825736	8,6244277	8,681766667	0,057339	1,040544742	2510039O18Rik
17456543	3,554857	3,272285	3,057922	3,372462	3,367236	3,317391	3,2950213	3,352363	0,05734167	1,040546665	Mir129-1
17260933	4,124722	3,576922	3,808576	3,682093	3,885548	4,114624	3,83674	3,894088333	0,05734833	1,040551473	4932414J04Rik
17492549	8,181535	8,144111	8,11008	8,397962	8,054486	8,155327	8,145242	8,202591667	0,05734967	1,040552435	Man2a2
17254271	5,215095	5,195666	5,13286	5,236305	5,238471	5,240927	5,181207	5,238567667	0,05736067	1,040560369	E230016K23Rik
17473091	6,377241	6,672786	6,146377	6,483385	6,380834	6,504272	6,3988013	6,456163667	0,05736233	1,040561571	Amn1
17522209	4,234877	4,188679	4,093081	4,194729	4,321696	4,172316	4,1722123	4,229580333	0,057368	1,040565658	Spink8
17503784	7,539929	7,288914	7,271669	7,462446	7,50489	7,305298	7,3668373	7,424211333	0,057374	1,040569986	Fto
17330154	2,976454	3,098058	3,128095	3,269679	3,03625	3,068835	3,0675357	3,124921333	0,05738567	1,040578401	---
17302976	6,251206	5,801739	5,805634	6,051461	5,861912	6,117424	5,9528597	6,010265667	0,057406	1,040593067	4930555G01Rik // 4930555G01Rik
17286354	6,743482	7,003928	6,607213	6,993944	6,691414	6,841485	6,7848743	6,842281	0,05740667	1,040593548	Serpinb6b
17507524	5,972934	6,074203	6,099365	6,138772	6,318902	5,861063	6,048834	6,106245667	0,05741167	1,040597154	Atp11a
17520607	4,59133	4,03244	4,326737	4,287066	4,420943	4,414738	4,3168357	4,374249	0,05741333	1,040598356	---
17202529	7,754833	7,465441	7,703785	7,71614	7,680949	7,699223	7,641353	7,698770667	0,05741767	1,040601482	---
17300725	3,259328	3,416317	3,417469	3,455044	3,389019	3,421309	3,3643713	3,421790667	0,05741933	1,040602684	Mcpt2
17229269	7,80642	7,65749	7,946273	7,73423	7,88909	7,959165	7,8033943	7,860828333	0,057434	1,040613263	Rcsd1
17436629	9,516021	9,323679	9,525521	9,271576	9,616112	9,649864	9,4550737	9,512517333	0,05744367	1,040620235	Add1
17472678	5,363237	5,28498	5,306438	5,334463	5,532945	5,259582	5,3182183	5,375663333	0,057445	1,040621197	Bcat1
17311350	8,227421	8,601705	8,441366	8,347737	8,663466	8,431661	8,4234973	8,480954667	0,05745733	1,040630093	Pkhd1l1
17435888	6,254986	6,316444	6,302313	6,237384	6,416851	6,391881	6,2912477	6,348705333	0,05745767	1,040630334	Agbl5
17329361	11,66864	11,8015	11,64267	11,70255	11,85066	11,73198	11,70427	11,76173	0,05746	1,040632017	Kng2
17392568	6,028096	6,3352	6,438066	6,285074	6,271084	6,417605	6,2671207	6,324587667	0,057467	1,040637066	Thbd
17333264	6,436532	6,783812	6,517291	6,654241	6,660261	6,595559	6,5792117	6,636687	0,05747533	1,040643077	4732491K20Rik
17523555	7,828073	7,971548	7,843534	7,987706	7,928376	7,899499	7,8810517	7,938527	0,05747533	1,040643077	Exosc7
17238838	5,899237	6,448108	5,901223	6,415116	6,229507	5,776381	6,082856	6,140334667	0,05747867	1,040645481	Syne1
17384231	5,641041	5,426798	5,542273	5,690023	5,639622	5,452905	5,536704	5,594183333	0,05747933	1,040645962	---
17201857	4,432556	4,291146	4,797375	4,26087	4,76055	4,672103	4,5070257	4,564507667	0,057482	1,040647886	---
17214735	3,915685	3,940216	3,864728	3,842455	3,893662	4,156964	3,9068763	3,964360333	0,057484	1,040649328	9430031J16Rik
17339793	4,405529	4,512475	4,350279	4,54895	4,251214	4,640598	4,422761	4,480254	0,057493	1,04065582	Gm4710
17334266	5,473036	5,100016	5,170763	5,433869	5,135383	5,347075	5,2479383	5,305442333	0,057504	1,040663755	9930021D14Rik
17238984	7,556359	7,591142	7,545657	7,42189	7,634807	7,809001	7,564386	7,621899333	0,05751333	1,040670487	Mtrf1l
17249097	10,47509	10,348	10,08931	10,23894	10,42489	10,42113	10,304133	10,36165333	0,05752	1,040675296	Rnf130
17302846	5,937653	5,909354	6,036045	5,932091	6,045907	6,077617	5,9610173	6,018538333	0,057521	1,040676018	Timm8a2
17214487	5,492965	5,260417	5,411689	5,405246	5,593861	5,338535	5,388357	5,445880667	0,05752367	1,040677941	Speg
17463755	3,543506	3,624706	3,512881	4,018732	3,414905	3,420076	3,5603643	3,617904333	0,05754	1,040689723	Gm19434
17535074	2,937763	2,908283	2,918159	2,920977	3,044971	2,970883	2,9214017	2,978943667	0,057542	1,040691166	---
17275774	3,463384	3,57487	3,476228	3,606157	3,615898	3,465069	3,5048273	3,562374667	0,05754733	1,040695013	---
17443437	7,179631	7,351426	7,359046	7,187153	7,463415	7,412178	7,296701	7,354248667	0,05754767	1,040695254	Alkbh4
17472223	6,993571	7,272316	7,020327	7,464594	7,000701	6,993571	7,0954047	7,152955333	0,05755067	1,040697418	Rerg
17499761	5,207878	5,286707	5,141805	5,169379	5,235469	5,404225	5,21213	5,269691	0,057561	1,040704872	Defa5
17218607	6,064265	5,34327	5,885994	5,581053	6,012619	5,872553	5,7645097	5,822075	0,05756533	1,040707998	Mrps14
17210317	6,81971	6,936143	7,262514	7,3367	7,209083	6,645347	7,0061223	7,06371	0,05758767	1,040724108	---
17330130	4,802417	4,87089	4,588967	4,857121	4,781883	4,796042	4,7540913	4,811682	0,05759067	1,040726272	---
17324479	4,986975	4,847979	4,883628	4,742524	5,180289	4,968554	4,906194	4,963789	0,057595	1,040729398	Tprg
17449301	4,628751	4,122426	4,723813	4,740088	4,608351	4,299375	4,4916633	4,549271333	0,057608	1,040738776	Tmprss11e
17488799	6,05123	6,12863	6,359686	6,179644	6,344552	6,188178	6,1798487	6,237458	0,05760933	1,040739738	2200002D01Rik
17473703	3,58727	3,827795	3,344233	3,824516	3,606242	3,501381	3,5864327	3,644046333	0,05761367	1,040742864	Zscan4f
17327255	8,15041	7,975893	7,677299	7,806802	7,986071	8,183582	7,934534	7,992151667	0,05761767	1,04074575	Cbr1
17356173	7,013393	6,978097	7,004589	7,076252	7,029045	7,063648	6,998693	7,056315	0,057622	1,040748876	Ptprcap
17491979	9,755468	9,756055	9,536111	9,731039	9,839371	9,650091	9,6825447	9,740167	0,05762233	1,040749116	Mef2a
17387610	4,188909	4,237515	3,655045	3,991669	4,199051	4,063618	4,0271563	4,084779333	0,057623	1,040749597	Olfr1000
17391466	10,98994	11,12166	11,00675	10,92124	11,16919	11,20081	11,03945	11,09708	0,05763	1,040754647	---
17402795	2,991592	2,956857	2,838664	3,0664	3,123413	2,770211	2,9290377	2,986674667	0,057637	1,040759697	---
17243171	8,398682	8,132528	8,001013	8,096988	8,28124	8,32691	8,1774077	8,235046	0,05763833	1,040760659	Sgta
17216447	3,621074	3,429304	3,549052	3,572422	3,557845	3,642092	3,5331433	3,590786333	0,057643	1,040764025	Serpinb7
17228395	5,023112	5,207624	5,709298	5,490287	5,422703	5,199988	5,3133447	5,370992667	0,057648	1,040767632	Gm5532
17548409	3,33621	3,195791	2,879339	3,221827	3,019278	3,343206	3,1371133	3,194770333	0,057657	1,040774125	LOC100862376
17459232	4,3957	4,417472	4,191206	4,26531	4,467004	4,445053	4,3347927	4,392455667	0,057663	1,040778453	4930544G11Rik
17435622	4,935382	4,564668	4,620284	4,639532	4,789011	4,864801	4,706778	4,764448	0,05767	1,040783503	9530036O11Rik
17336957	7,808568	7,577593	7,356277	7,463702	7,570021	7,881757	7,5808127	7,638493333	0,05768067	1,040791198	---
17348465	2,783256	3,025958	2,973656	3,038723	3,043432	2,873783	2,9276233	2,985312667	0,05768933	1,040797451	---
17202433	7,309879	7,000746	7,2818	7,709957	6,984928	7,070674	7,197475	7,255186333	0,05771133	1,040813322	---
17413666	4,617725	4,950291	5,074696	4,860203	4,919279	5,036397	4,880904	4,938626333	0,05772233	1,040821258	Gm829
17309287	4,84009	4,634558	4,652398	4,751606	4,662546	4,886118	4,7090153	4,766756667	0,05774133	1,040834965	Pou4f1
17496367	6,353617	6,442571	6,49939	6,625429	6,493958	6,349415	6,4318593	6,489600667	0,05774133	1,040834965	Slx1b
17231925	7,105117	7,09542	7,058998	7,21576	7,130921	7,086097	7,0865117	7,144259333	0,05774767	1,040839535	Mtap7
17366816	7,009647	7,011198	6,932072	7,43587	6,758456	6,931878	6,9843057	7,042068	0,05776233	1,040850116	---
17366852	7,009647	7,011198	6,932072	7,43587	6,758456	6,931878	6,9843057	7,042068	0,05776233	1,040850116	---
17376311	8,222137	8,220826	8,238839	8,31184	8,280528	8,262768	8,2272673	8,285045333	0,057778	1,040861419	Vps16
17464449	5,56514	5,51906	5,453498	5,677307	5,422826	5,61092	5,512566	5,570351	0,057785	1,040866469	1700049E15Rik
17485192	4,942323	5,189973	5,748333	5,310684	5,59381	5,149602	5,293543	5,351365333	0,05782233	1,040893405	---
17302266	4,097146	3,985415	4,128955	4,22262	4,122979	4,039408	4,0705053	4,128335667	0,05783033	1,040899177	4930452G13Rik
17308600	8,206864	8,059335	7,971581	8,091644	8,238907	8,080746	8,07926	8,137099	0,057839	1,04090543	Lpar6 // Lpar6
17379492	3,670064	3,597959	3,725324	3,561555	3,847565	3,757787	3,664449	3,722302333	0,05785333	1,040915771	Spint4
17508607	3,704295	3,600398	3,669953	3,961139	3,620177	3,566928	3,6582153	3,716081333	0,057866	1,04092491	---
17253157	6,434679	6,522368	6,504223	6,374076	6,746469	6,514375	6,48709	6,544973333	0,05788333	1,040937417	Timm22
17499620	12,0731	12,22139	12,22538	12,28077	12,25345	12,15935	12,17329	12,23119	0,0579	1,040949442	Rpl19 // Rpl19
17234273	6,325342	6,153135	6,439304	6,250386	6,400575	6,440543	6,305927	6,363834667	0,05790767	1,040954974	Rab36
17315902	5,335532	5,306902	5,326564	5,331911	5,507529	5,303359	5,3229993	5,380933	0,05793367	1,040973734	Spef2
17512680	9,622832	9,771715	9,800788	9,759164	9,831055	9,77892	9,7317783	9,789713	0,05793467	1,040974455	Chtf8
17226120	3,670649	3,729144	3,699771	3,643167	3,859172	3,77103	3,6998547	3,757789667	0,057935	1,040974696	---
17444338	10,96538	10,92913	11,00174	11,00898	11,10674	10,95441	10,965417	11,02337667	0,05796	1,040992735	Kdelr2
17440732	5,480063	5,486228	5,779648	5,603018	5,706595	5,610212	5,5819797	5,639941667	0,057962	1,040994178	Wscd2
17410921	4,46194	4,080316	4,354385	4,272263	4,038988	4,759331	4,2988803	4,356860667	0,05798033	1,041007407	Clca6
17395973	3,529538	3,571087	3,583229	3,593024	3,734634	3,530139	3,5612847	3,619265667	0,057981	1,041007888	1110015O18Rik
17204331	4,879169	4,209861	4,856516	5,557465	3,777891	4,784133	4,6485153	4,706496333	0,057981	1,041007888	---
17489279	8,619911	8,703391	8,641294	8,653263	8,871598	8,613698	8,6548653	8,712853	0,05798767	1,041012698	Tmem147
17509506	8,134777	8,274086	7,976222	8,033367	8,265829	8,259859	8,1283617	8,186351667	0,05799	1,041014382	Clcn3
17548117	8,652817	9,039658	8,872689	8,909619	9,001215	8,82833	8,8550547	8,913054667	0,058	1,041021598	4930481A15Rik // 4930481A15Rik
17288077	5,61101	5,347148	5,607779	5,720992	5,442844	5,576102	5,521979	5,579979333	0,05800033	1,041021838	Mir713
17516290	3,127219	3,292634	3,432401	3,445408	3,342445	3,238433	3,2840847	3,342095333	0,05801067	1,041029295	Olfr972
17459318	5,132342	4,879701	4,562551	5,099385	4,517458	5,131817	4,858198	4,91622	0,058022	1,041037473	---
17313850	3,076595	3,192715	3,691185	3,428884	3,397181	3,308547	3,320165	3,378204	0,058039	1,04104974	Gm4825
17205561	4,673936	4,574694	5,082812	5,128695	4,628748	4,748123	4,7771473	4,835188667	0,05804133	1,041051423	---
17260221	7,67593	7,867228	7,839797	7,799167	7,791663	7,966263	7,7943183	7,852364333	0,058046	1,041054791	Pold2
17513278	3,545045	3,287945	3,499146	3,370412	3,405803	3,730066	3,4440453	3,502093667	0,05804833	1,041056475	---
17282309	4,980742	5,283785	5,218109	5,226431	5,262004	5,168373	5,1608787	5,218936	0,05805733	1,041062969	Slc8a3
17449524	7,459537	8,25885	7,709066	7,782595	7,96599	7,853043	7,809151	7,867209333	0,05805833	1,041063691	---
17282300	12,76281	12,66034	12,63831	12,74305	12,72923	12,76336	12,687153	12,74521333	0,05806	1,041064893	Slc10a1
17474633	6,610604	6,473564	6,546481	6,63749	6,609055	6,558307	6,5435497	6,601617333	0,05806767	1,041070426	Exoc3l2
17548090	3,817482	3,910011	3,814786	4,047703	3,951406	3,71739	3,8474263	3,905499667	0,05807333	1,041074515	---
17404300	7,927416	7,856835	7,756671	7,883257	8,067421	7,764534	7,846974	7,905070667	0,05809667	1,041091353	Hps3
17369862	8,954208	9,024738	8,912954	8,934748	9,069606	9,06184	8,9639667	9,022064667	0,058098	1,041092315	---
17464698	4,140564	4,11242	4,214589	4,430911	4,001213	4,209767	4,1558577	4,213963667	0,058106	1,041098088	Dlx6as1
17355955	8,940849	9,079697	9,074146	9,11894	9,175372	8,974699	9,031564	9,089670333	0,05810633	1,041098329	1810055G02Rik
17229665	9,074432	9,204675	9,219625	9,234947	9,259398	9,178719	9,166244	9,224354667	0,05811067	1,041101456	Ndufs2

17359925	8,373583	8,420181	8,278954	8,369635	8,382193	8,495234	8,3575727	8,415687333	0,05811467	1,041104342	Gbf1
17265451	7,842904	8,097191	7,845678	7,929475	8,046732	7,983922	7,928591	7,986709667	0,05811867	1,041107229	Derl2
17490924	7,202243	6,963628	7,207739	7,125431	7,228206	7,194341	7,1245367	7,182659333	0,05812267	1,041110115	Sphk2
17514946	4,183547	3,716532	3,893277	4,095909	3,904929	3,966889	3,9311187	3,989242333	0,05812367	1,041110837	Olfr857
17252744	4,758265	4,7553	4,465126	4,998377	4,508956	4,645741	4,6595637	4,717691333	0,05812767	1,041113724	Olfr406-ps
17306929	6,532442	6,617095	6,629464	6,605185	6,750611	6,597608	6,5930003	6,651134667	0,05813433	1,041118535	Sdr39u1
17221345	4,129961	4,279097	4,031343	4,038189	3,976889	4,599816	4,1468003	4,204964667	0,05816433	1,041140184	---
17308928	4,151255	4,325447	4,56585	4,400186	4,46137	4,355528	4,3475173	4,405694667	0,05817733	1,041149566	Lect1
17308482	10,0217	9,813014	9,639078	9,439184	10,20419	10,00495	9,8245973	9,882774667	0,05817733	1,041149566	---
17257038	4,33156	4,576547	4,413984	4,494184	4,561431	4,441052	4,440697	4,498889	0,058192	1,04116015	Ccdc103
17376142	4,896334	4,62808	4,89963	4,844522	4,822323	4,931799	4,8080147	4,866214667	0,0582	1,041165924	A730036I17Rik
17500060	7,540723	7,404745	7,831269	7,61337	7,717827	7,620151	7,5922457	7,650449333	0,05820367	1,04116857	Mir486
17266198	4,52593	4,634195	4,461879	4,584781	4,549709	4,662143	4,540668	4,598877667	0,05820967	1,0411729	Efcab5
17475603	4,913448	4,453026	5,178616	4,789489	4,952574	4,977787	4,8483633	4,906616667	0,05825333	1,041204414	Prx
17449637	10,14941	10,17927	10,07476	10,14688	10,24486	10,18648	10,13448	10,19274	0,05826	1,041209226	---
17416576	7,327703	7,38744	7,628687	7,569526	7,429133	7,519955	7,4479433	7,506204667	0,05826133	1,041210188	0610037L13Rik
17507899	3,358899	3,415102	3,409947	3,555595	3,437365	3,365773	3,3946493	3,452911	0,05826167	1,041210429	---
17275470	4,471611	4,62707	4,431913	4,510839	4,852444	4,342113	4,510198	4,568465333	0,05826733	1,041214518	---
17479726	3,269279	3,007361	3,430391	3,273322	3,496373	3,112142	3,235677	3,293945667	0,05826867	1,041215481	---
17547604	7,046453	7,429241	7,141079	7,320314	7,262094	7,209199	7,205591	7,263869	0,058278	1,041222217	Lgals3bp // Lgals3bp
17236662	8,423374	8,158989	8,155871	8,215255	8,488657	8,209166	8,246078	8,304359333	0,05828133	1,041224622	Nr2c1
17286905	6,504455	6,106804	6,465437	6,616837	6,357643	6,277085	6,3588987	6,417188333	0,05828967	1,041230637	Cd83
17488352	9,594252	9,75145	9,510077	9,492229	9,810608	9,72784	9,618593	9,676892333	0,05829933	1,041237613	Psmc4
17350628	7,952948	7,835836	7,738635	7,821288	8,032186	7,848861	7,842473	7,900778333	0,05830533	1,041241944	Snx24
17342141	6,533277	6,560084	6,576761	6,600555	6,557774	6,686716	6,5567073	6,615015	0,05830767	1,041243628	Telo2
17344593	8,486633	8,676594	8,210936	8,498528	8,672216	8,378345	8,4580543	8,516363	0,05830867	1,04124435	H2-T22
17465156	5,999896	5,990489	6,017329	6,213194	6,167776	5,801724	6,0025713	6,060898	0,05832667	1,041257341	---
17516182	3,770148	3,761662	3,747625	3,94412	3,662884	3,847435	3,7598117	3,818146333	0,05833467	1,041263115	Olfr911-ps1
17380472	9,872339	10,01204	9,958174	10,11565	9,914437	9,987473	9,9475177	10,00585333	0,05833567	1,041263837	Gm14288 // Gm14288
17353806	8,302258	8,007915	8,16562	8,159142	8,300884	8,190788	8,1585977	8,216938	0,05834033	1,041267205	Diap1
17369555	6,558048	6,570439	6,517268	6,63997	6,574347	6,606462	6,548585	6,606926333	0,05834133	1,041267927	Abl1
17256196	4,743104	4,894882	5,032119	4,993288	4,865313	4,986555	4,890035	4,948385333	0,05835033	1,041274422	Rapgefl1
17361223	8,953247	8,989224	9,103643	9,170397	9,005238	9,045563	9,0153713	9,073732667	0,05836133	1,041282362	Adrbk1
17429441	6,948051	7,222305	6,153768	6,42254	7,119967	6,956707	6,774708	6,833071333	0,05836333	1,041283805	Guca2b
17347946	3,306114	3,362652	3,230682	3,514553	3,378361	3,181649	3,299816	3,358187667	0,05837167	1,04128982	---
17430645	5,41754	5,328457	5,206978	5,382141	5,346833	5,399192	5,3176583	5,376055333	0,058397	1,041308105	Nkain1
17269615	7,457669	7,578036	7,401072	7,503415	7,560952	7,547619	7,4789257	7,537328667	0,058403	1,041312436	Kat2a
17461606	7,346518	7,328087	7,168807	7,382453	7,295633	7,340574	7,2811373	7,339553333	0,058416	1,041321819	Brpf1
17363425	3,798534	3,923067	3,656564	3,863832	3,721118	3,968493	3,7927217	3,851147667	0,058426	1,041329037	C730002L08Rik
17351497	9,665936	9,638139	9,681769	9,692397	9,764609	9,704132	9,661948	9,720379333	0,05843133	1,041332886	Seh1l
17498158	8,487061	7,885049	8,376951	8,470912	8,27076	8,182873	8,249687	8,308181667	0,05849467	1,041378601	Mir483
17550282	8,487061	7,885049	8,376951	8,470912	8,27076	8,182873	8,249687	8,308181667	0,05849467	1,041378601	---
17486683	3,86338	4,346232	4,241738	4,158062	4,274858	4,193935	4,15045	4,208951667	0,05850167	1,041383654	Sult2a3
17297887	3,97538	3,819798	3,99957	3,9921	4,051782	3,926401	3,9315827	3,990094333	0,05851167	1,041390872	Gm2178
17203557	4,456587	4,718507	4,367792	4,766819	4,904778	4,046861	4,5142953	4,572819333	0,058524	1,041399775	---
17385654	4,010357	4,156557	4,330715	4,199946	4,308887	4,164391	4,1658763	4,224408	0,05853167	1,041405309	Itgb6
17484151	4,349537	4,134548	4,522709	4,287899	4,434032	4,460485	4,335598	4,394138667	0,05854067	1,041411806	Fank1
17405154	5,938906	6,046629	5,89908	6,125029	5,875601	6,059675	5,9615383	6,020101667	0,05856333	1,041428168	Maml3
17529748	5,766945	5,741249	5,93755	5,847369	5,780025	5,994048	5,815248	5,873814	0,058566	1,041430093	Trpc1
17442985	7,466323	7,625191	7,586999	7,674472	7,574137	7,605612	7,5595043	7,618073667	0,05856933	1,041432499	Tpst1
17363497	3,845876	3,867253	4,320404	4,123662	4,120661	3,964924	4,0111777	4,069749	0,05857133	1,041433943	C330002G04Rik // C330002G04Rik
17457304	5,046219	4,53097	4,929781	4,883348	4,779507	5,01983	4,8356567	4,894228333	0,05857167	1,041434183	1700065J11Rik
17431266	5,729104	5,777878	5,776111	5,883953	5,836049	5,738867	5,761031	5,819623	0,058592	1,041448861	Grrp1
17481743	8,500044	8,52395	8,063746	8,403543	8,427374	8,432645	8,36258	8,421187333	0,05860733	1,04145993	Wee1
17491749	6,69596	6,342105	6,734779	6,534384	7,010344	6,403958	6,590948	6,649562	0,058614	1,041464743	---
17536501	5,4424	4,686903	5,292123	5,096822	5,221847	5,27862	5,1404753	5,199096333	0,058621	1,041469796	Eda
17446434	6,358774	6,239577	6,051049	6,339093	6,251486	6,2347	6,2164667	6,275093	0,05862633	1,041473646	5031410I06Rik // 5031410I06Rik
17205309	3,30512	3,290796	4,011372	3,565578	3,409153	3,808544	3,5357627	3,594425	0,05866233	1,041499635	---
17493436	6,941072	7,014646	6,953231	7,102659	7,074718	6,907594	6,9696497	7,028323667	0,058674	1,041508057	1810020D17Rik
17314157	5,470385	5,239833	5,63612	5,294079	5,763303	5,464997	5,4487793	5,507459667	0,05868033	1,041512629	Klhdc7b
17302159	3,161259	3,129473	3,15353	3,280692	3,241441	3,098182	3,1480873	3,206771667	0,05868433	1,041515517	---
17344870	3,843061	3,838573	3,78572	3,733145	3,943099	3,967217	3,8224513	3,881153667	0,05870233	1,041528512	Olfr103
17411527	8,813858	8,649741	8,655202	8,682779	8,81482	8,797435	8,706267	8,765011333	0,05874433	1,041558833	Lyn
17463557	3,788884	3,573089	3,465032	3,599943	3,606325	3,797016	3,6090017	3,667761333	0,05875967	1,041569903	Klre1
17542128	5,433105	5,639374	5,56884	5,426135	5,686644	5,704865	5,5471063	5,605881333	0,058775	1,041580973	Gm6812
17476852	4,125941	4,032043	4,0534	4,112685	4,202171	4,07294	4,0704613	4,129265333	0,058804	1,041601911	Zfp507
17524338	3,440249	3,405023	4,283947	3,809554	3,908514	3,587612	3,7097397	3,76856	0,05882033	1,041613703	Olfr853
17266007	4,629609	4,489358	4,601807	4,787067	4,403671	4,706511	4,5735913	4,632416333	0,058825	1,041617072	---
17506270	4,523366	4,608857	4,434387	4,523281	4,656262	4,563559	4,5222033	4,581034	0,05883067	1,041621164	Gm10614
17542292	6,044173	6,173907	6,385333	6,357088	6,287566	6,135289	6,2011377	6,259981	0,05884333	1,041630309	DXBay18
17256296	2,814853	3,513021	3,206335	3,356532	3,242845	3,111367	3,1780697	3,236914667	0,058845	1,041631512	Gm11568
17446686	9,710922	10,08487	10,01493	10,04015	10,04631	9,900922	9,9369073	9,995794	0,05888667	1,041661596	---
17548307	5,003577	5,077323	4,969825	4,96132	5,129417	5,136649	5,0169083	5,075795333	0,058887	1,041661837	Kpna6 // Kpna6
17272877	7,140859	6,992917	7,055494	7,115496	7,109758	7,140713	7,06309	7,121989	0,058899	1,041670501	Tbc1d16
17204377	5,640867	5,98898	6,345561	5,5884	6,219888	6,343838	5,9918027	6,050708667	0,058906	1,041675556	---
17247458	7,843233	8,082428	7,942023	7,96229	8,247937	7,8342	7,9558947	8,014809	0,05891433	1,041681573	Wdr92
17420373	8,268222	8,181043	8,259016	8,285851	8,327643	8,271544	8,2360937	8,295012667	0,058919	1,041684942	Eif4g3
17548516	4,258585	4,043151	4,35136	4,239786	4,412223	4,177849	4,2176987	4,276619333	0,05892067	1,041686145	Gm19692
17282664	4,513605	4,284515	4,55503	4,38995	4,844972	4,294991	4,45105	4,509971	0,058921	1,041686386	Pgf
17420434	9,279075	9,0822	9,204165	8,990695	9,485898	9,265614	9,18848	9,247402333	0,05892233	1,041687349	---
17212313	5,61216	5,501778	5,466855	5,700563	5,571004	5,486011	5,526931	5,585859333	0,05892833	1,041691681	Pou3f3
17238828	6,785653	6,853944	6,806488	7,076459	6,892172	6,65426	6,8153617	6,874297	0,05893533	1,041696735	Syne1
17288059	8,874931	9,184822	9,016635	9,297033	8,928011	9,028246	9,0254627	9,08443	0,05896733	1,041719841	Taf1d // Taf1d
17514836	8,874931	9,184822	9,016635	9,297033	8,928011	9,028246	9,0254627	9,08443	0,05896733	1,041719841	Taf1d
17512846	7,502482	7,417644	7,373006	7,493684	7,594965	7,381396	7,431044	7,490015	0,058971	1,041722489	Atxn1l
17357168	8,929661	9,033253	8,960528	9,029918	9,080854	8,989591	8,9744807	9,033454333	0,05897367	1,041724414	Stx5a
17301105	5,970457	5,76582	5,908638	5,938563	5,976263	5,907037	5,8816383	5,940621	0,05898267	1,041730913	---
17534251	6,848597	6,691599	6,641045	6,974123	6,660254	6,723833	6,7270803	6,78607	0,05898967	1,041735968	Rhox4e // Rhox4e
17518991	9,487474	9,438101	9,427719	9,40111	9,652196	9,476991	9,451098	9,510099	0,059001	1,041744151	Bnip2
17300171	3,216924	3,180193	3,097539	3,250044	3,367236	3,054386	3,1648853	3,223888667	0,05900333	1,041745836	---
17322479	9,914184	9,984719	9,841236	9,88979	9,95544	10,07194	9,9133797	9,97239	0,05901033	1,041750891	---
17542060	2,950794	2,871357	2,870147	2,982911	2,956574	2,929849	2,8974327	2,956444667	0,059012	1,041752094	---
17474371	9,614769	9,462965	9,536655	9,548628	9,687998	9,554802	9,5381297	9,597142667	0,059013	1,041752816	Pglyrp1
17534691	3,678244	3,847107	3,886314	3,792489	4,085197	3,711028	3,8038883	3,862904667	0,05901633	1,041755223	---
17252817	6,419427	6,277847	6,27692	6,331171	6,432767	6,387327	6,3247313	6,383755	0,05902367	1,041760518	Mnt
17477089	5,309916	4,884514	5,127446	5,241523	4,964719	5,292745	5,107292	5,166329	0,059037	1,041770146	Lim2
17272186	8,698487	8,88381	8,78212	8,839365	8,799074	8,903107	8,788139	8,847182	0,059043	1,041774479	Mrpl38
17269868	2,835003	2,898786	2,917575	2,906405	2,929949	2,992139	2,883788	2,942831	0,059043	1,041774479	---
17404388	4,509029	4,558249	4,679785	4,653674	4,905868	4,364667	4,5823543	4,641403	0,05904867	1,041778571	Nlgn1
17284442	4,117178	4,065912	4,07208	3,772242	4,562453	4,097658	4,0850567	4,144117667	0,059061	1,041787477	Ighg
17231443	5,732578	5,734468	5,716338	5,818545	5,835457	5,706597	5,7277947	5,786866333	0,05907167	1,041795179	Gm221
17463724	7,607366	7,567887	7,753569	7,669443	7,84906	7,587594	7,6429407	7,702032333	0,05909167	1,041809622	1190002F15Rik
17489645	8,461384	8,498728	8,488791	8,524944	8,59374	8,5075	8,4829677	8,542061333	0,05909367	1,041811066	4931406P16Rik
17211987	5,714839	5,810528	5,966679	6,018678	6,07456	5,576106	5,830682	5,889781333	0,05909933	1,041815158	---
17210037	4,040098	4,290831	5,102986	4,197779	5,459371	3,954077	4,4779717	4,537075667	0,059104	1,041818528	---
17422006	5,63357	5,857398	5,819564	5,720889	5,882259	5,884697	5,7701773	5,829281667	0,05910433	1,041818769	---
17349365	8,700534	8,811558	8,904558	8,818075	8,835843	8,94005	8,80555	8,864656	0,059106	1,041819972	---
17294797	6,00803	6,231388	6,36747	6,185583	6,362463	6,236162	6,202296	6,261402667	0,05910667	1,041820454	4833422C13Rik
17319168	7,749293	7,824002	7,86237	7,81002	7,907455	7,895521	7,811889	7,87099867	0,05910967	1,04182262	Pla2g6
17446095	7,209378	7,050593	6,911994	7,089717	7,187123	7,072459	7,0573217	7,116433	0,05911133	1,041823824	Tomm7
17247225	6,304265	6,342875	6,558869	6,465794	6,464083	6,453494	6,402003	6,461123667	0,05912067	1,041830564	Upp1
17355641	5,367638	5,642897	5,707491	5,558544	5,715836	5,621014	5,5726753	5,631798	0,05912267	1,041832008	Kcng2
17365190	5,362765	5,749233	5,942167	5,643799	5,870452	5,717288	5,6847217	5,743846333	0,05912467	1,041833452	---
17463804	3,661437	3,776448	3,529062	3,802724	3,783631	3,557997	3,655649	3,714784	0,059135	1,041840915	---
17459893	11,30569	11,32125	11,36125	11,29671	11,44215	11,4268	11,329397	11,38855333	0,05915667	1,041856561	---
17509985	6,873819	6,804959	6,700215	6,7837	6,915638	6,857145	6,7929977	6,852161	0,05916333	1,041861376	Armc6
17293856	3,976926	3,977923	3,659022	3,809426	3,956868	4,025141	3,8712903	3,930478333	0,059188	1,041879189	Mszf81 // Mszf81 // Mszf81 // Mszf81
17210689	5,621389	5,596172	5,814818	5,501653	5,847672	5,860633	5,6774597	5,736652667	0,059193	1,0418828	---
17215873	5,941158	6,009387	5,93919	6,046618	6,044322	5,976422	5,963245	6,022454	0,059209	1,041894355	Gpr35
17502342	8,288333	8,390894	8,268988	8,325998	8,2869	8,512985	8,3160717	8,375294333	0,05922267	1,041904225	Zfp617
17206705	6,629436	6,624369	6,808281	6,6564	6,749002	6,834366	6,687362	6,746589333	0,05922733	1,041907595	---
17470764	3,308186	3,425963	3,777323	3,520885	3,81289	3,355422	3,503824	3,563065667	0,05924167	1,041917947	Gm5077
17392546	6,577893	6,498674	6,212959	6,623705	6,342679	6,50098	6,429842	6,489121333	0,05927933	1,04194515	AI646519
17468172	7,309686	7,31635	7,264947	7,389893	7,311892	7,367083	7,2969943	7,356289333	0,059295	1,041956465	Dguok
17351594	7,406058	7,320119	7,388685	7,458508	7,429086	7,40518	7,3716207	7,430924667	0,059304	1,041962965	Tcf4
17265554	4,568461	4,529574	4,731283	4,842632	4,589379	4,575253	4,6097727	4,669088	0,05931533	1,04197115	4930401O10Rik
17355524	7,182535	7,586433	7,239317	7,444669	7,301061	7,440517	7,336095	7,395415667	0,05932067	1,041975002	8030462N17Rik
17349423	5,827517	5,518032	5,790339	5,479879	6,04272	5,791275	5,7119627	5,771291333	0,05932867	1,04198078	Wnt8a
17246268	6,480789	6,571358	6,03159	6,273211	6,615801	6,372764	6,3612457	6,420592	0,05934633	1,04199354	Ikzf4
17512942	3,971902	4,659547	4,725816	4,398053	4,491891	4,645368	4,4524217	4,511770667	0,059349	1,041995466	---
17538152	4,289063	4,185832	4,380763	4,422155	4,443806	4,167753	4,2852193	4,344571333	0,059352	1,041997633	Frmpd3
17459891	10,71494	10,67093	10,65072	10,79454	10,75254	10,66757	10,678863	10,73821667	0,05935333	1,041998596	---
17274907	3,664408	3,71868	3,660832	3,71741	3,798723	3,705847	3,6813067	3,74066	0,05935333	1,041998596	F730043M19Rik
17204345	5,235691	5,074409	5,47951	5,966599	4,751812	5,249282	5,2632033	5,322564333	0,059361	1,042004133	---

17338458	8,1379	7,516146	8,032803	8,084841	7,722925	8,057173	7,8956163	7,954979667	0,05936333	1,042005818	---
17329631	4,857618	4,590362	4,565999	4,609739	4,686027	4,89631	4,6713263	4,730692	0,05936567	1,042007504	Lrrc15
17245059	6,595026	6,209099	5,977643	6,220272	6,295175	6,444432	6,2605893	6,319959667	0,05937033	1,042010874	Lgr5
17343873	9,498264	9,565307	9,575632	9,563522	9,555967	9,697853	9,546401	9,605780667	0,05937967	1,042017615	Rnf5
17477169	4,332385	4,115602	3,978564	4,059495	4,5124	4,032812	4,1421837	4,201569	0,05938533	1,042021708	Ceacam18
17207877	5,973483	6,252787	5,887415	6,241601	6,26795	5,782343	6,037895	6,097298	0,059403	1,042034469	---
17312989	6,625196	6,407121	6,387315	6,636827	6,520518	6,440504	6,4732107	6,532616333	0,05940567	1,042036395	Maff
17218541	3,161759	3,336391	3,158326	3,326605	3,308242	3,199869	3,2188253	3,278238667	0,05941333	1,042041932	Mir488
17512440	7,134871	7,336192	7,295331	7,274773	7,247854	7,422041	7,2554647	7,314889333	0,05942467	1,042050118	Zdhhc1
17453797	7,839431	7,696778	7,742455	7,88591	7,716433	7,854652	7,7595547	7,818998333	0,05944367	1,042063842	Znhit1
17422844	8,092854	8,060392	8,034425	8,156497	8,112981	8,096539	8,062557	8,122005667	0,05944867	1,042067453	Sdf4
17268849	7,959229	7,888494	7,968971	8,041077	8,074437	7,879541	7,938898	7,998351667	0,05945367	1,042071065	Med24
17403084	4,352597	4,182336	4,456573	4,573239	4,32695	4,269678	4,330502	4,389955667	0,05945367	1,042071065	Adh6a
17425200	3,265485	3,123178	3,102951	3,273632	3,30229	3,094056	3,1638713	3,223326	0,05945467	1,042071787	---
17206873	4,216503	6,08112	5,107744	5,172874	5,172874	5,238005	5,1351223	5,194584333	0,059462	1,042077084	---
17233797	4,635261	4,629833	4,414539	4,683329	4,651428	4,523297	4,5598777	4,619351333	0,05947367	1,042085511	---
17437887	5,224964	4,865214	4,841524	5,064629	5,308997	4,73653	4,977234	5,036718667	0,05948467	1,042093457	Limch1
17266370	5,306789	5,915428	5,881795	5,945463	5,654065	5,682944	5,7013373	5,760824	0,05948667	1,042094901	Snord4a
17520315	6,736098	6,728872	6,665367	6,740877	6,852041	6,715879	6,7101123	6,769599	0,05948667	1,042094901	Plscr1
17281328	3,862351	3,71374	3,6308	4,033521	3,614875	3,736964	3,7356303	3,79512	0,05948967	1,042097068	---
17534671	3,188957	3,212398	3,064756	3,274491	3,16336	3,206761	3,1553703	3,214870667	0,05950033	1,042104773	---
17203159	3,302805	4,080129	3,316198	4,101122	3,316397	3,460157	3,5663773	3,625892	0,05951467	1,042115127	---
17230176	4,255035	4,281824	4,335229	4,206849	4,39079	4,453014	4,290696	4,350217667	0,05952167	1,042120183	Pld5
17350243	5,172886	4,932501	4,937963	5,153256	5,068719	4,999975	5,01445	5,073983333	0,05953333	1,04212861	Spink6
17261096	2,922855	2,969752	3,038232	2,990402	3,105195	3,013858	2,9769463	3,036485	0,05953867	1,042132463	---
17293571	2,998044	3,322611	3,263018	3,281196	3,250887	3,230245	3,1945577	3,254109333	0,05955167	1,042141853	Mir24-1 // Mir24-1
17202775	7,070239	7,27889	6,627521	7,304226	7,340039	6,511061	6,9922167	7,051775333	0,05955867	1,04214691	---
17202863	7,980475	8,282077	8,214931	8,550418	8,08534	8,020444	8,159161	8,218734	0,059573	1,042157264	---
17249778	4,738848	4,554102	4,636111	4,563191	4,805495	4,73919	4,6430203	4,702625333	0,059605	1,04218038	---
17203217	3,631962	4,207065	4,235121	4,168285	4,045577	4,039112	4,024716	4,084324667	0,05960867	1,042183029	---
17313852	4,329759	4,108104	4,193461	4,109559	4,549385	4,151231	4,2104413	4,270058333	0,059617	1,042189049	AU022754 // AU022754
17291208	3,33772	3,523524	3,4697	3,578191	3,501081	3,430579	3,443648	3,503283667	0,05963567	1,042202533	LOC100862646 // Hist1h4m // Hist1h4b
17201669	5,718035	5,93181	6,097207	6,341552	5,832658	5,751832	5,915684	5,975347333	0,05966333	1,04222252	---
17264960	5,138225	5,416894	5,145314	5,45925	5,165929	5,254251	5,2334777	5,293143333	0,05966567	1,042224206	Fgf11
17284364	6,758592	5,779135	6,245071	6,732857	5,825625	6,403316	6,2609327	6,320599333	0,05966667	1,042224928	---
17284368	6,758592	5,779135	6,245071	6,732857	5,825625	6,403316	6,2609327	6,320599333	0,05966667	1,042224928	---
17389048	5,674021	5,850236	6,324348	6,237178	5,996279	5,794149	5,949535	6,009202	0,059667	1,042225169	---
17220764	8,953571	8,994978	8,530168	8,930805	8,843079	8,883888	8,826239	8,885924	0,059685	1,042238172	---
17495553	7,248106	7,280375	7,321425	7,301832	7,433702	7,293473	7,283302	7,343002333	0,05970033	1,04224925	Coq7
17482355	5,34236	5,612301	5,538308	5,425507	5,620094	5,626525	5,4976563	5,557375333	0,059719	1,042262735	Lyrm1
17201329	5,35348	5,609075	5,579398	5,583106	5,438061	5,699952	5,5139843	5,573706333	0,059722	1,042264902	---
17449381	3,919303	3,535062	3,635259	3,750846	3,655008	3,862954	3,6965413	3,756269333	0,059728	1,042269237	Ugt2a1
17548840	5,307855	5,838018	5,501042	5,531656	5,608221	5,686251	5,5489717	5,608709333	0,05973767	1,042276221	Rpl39 // Rpl39
17296962	6,032843	5,717814	5,717945	6,120083	5,633056	5,894681	5,8228673	5,882606667	0,05973933	1,042277425	Gm10408 // Gm10408
17296989	6,032843	5,717814	5,717945	6,120083	5,633056	5,894681	5,8228673	5,882606667	0,05973933	1,042277425	Gm10408 // Gm10408
17369717	5,768944	5,940293	5,940624	6,136356	5,995464	5,697326	5,883287	5,943048667	0,05976167	1,04229356	---
17369719	5,768944	5,940293	5,940624	6,136356	5,995464	5,697326	5,883287	5,943048667	0,05976167	1,04229356	---
17301155	4,377913	4,212234	4,271866	4,364469	4,337027	4,339848	4,2873377	4,347114667	0,059777	1,042304637	Serpine3
17233329	5,642144	6,531527	6,505177	6,54725	6,093702	6,21723	6,2262827	6,286060667	0,059778	1,04230536	Gm5423
17220904	6,433162	6,485045	6,709344	6,590426	6,697906	6,518563	6,542517	6,602298333	0,05978133	1,042307768	---
17327613	4,746343	4,344881	4,859736	4,620877	4,903752	4,605696	4,65032	4,710108333	0,05978833	1,042312825	Nlrc3
17538518	6,367504	5,591057	5,259066	6,106212	5,557628	5,733234	5,739209	5,799024667	0,05981567	1,042332573	Ott
17423422	3,425119	3,445374	3,450235	3,629471	3,48857	3,382159	3,4402427	3,500066667	0,059824	1,042338594	Lrrc69
17336681	5,929917	5,978888	5,953149	6,015276	6,026991	5,999181	5,9539847	6,013816	0,05983133	1,042343892	Tnxb
17203367	5,009875	6,02801	5,549352	6,096379	5,310321	5,360084	5,529079	5,588928	0,059849	1,042356657	---
17407721	8,038162	8,034468	8,06218	8,082503	8,042134	8,189746	8,0449367	8,104794333	0,05985767	1,042362918	Gabpb2
17221939	9,095496	9,054884	9,017691	9,062964	9,141298	9,143433	9,0560237	9,115898333	0,05987467	1,042375201	Phf3
17223245	5,293838	5,328964	5,144486	5,458605	5,466017	5,022329	5,2557627	5,315650333	0,05988767	1,042384594	Rftn2
17437585	4,300763	4,259889	4,428679	4,45898	4,347478	4,362548	4,329777	4,389668667	0,05989167	1,042387484	3110047P20Rik
17506392	5,550865	5,779191	5,768329	5,84769	5,616429	5,813968	5,6994617	5,759362333	0,05990067	1,042393987	Il17c
17451410	7,362291	7,501441	7,334415	7,370515	7,487157	7,520249	7,3993823	7,459307	0,05992467	1,042411328	Sart3
17339923	4,980159	5,203449	5,265075	5,33219	5,168859	5,127447	5,149561	5,209498667	0,05993767	1,042420721	Ttc39d
17494353	3,665298	3,503728	3,326814	3,563448	3,906146	3,206073	3,4986133	3,558555667	0,05994233	1,042424093	Trim12a
17357891	3,925497	3,711925	3,665539	3,522616	4,167097	3,793083	3,7676537	3,827598667	0,059945	1,04242602	Olfr1445
17270874	4,760894	4,741264	4,634268	4,673499	4,923712	4,719064	4,712142	4,772091667	0,05994967	1,042429392	Scn4a // Scn4a
17394767	5,690723	5,630818	5,701659	5,809862	5,787632	5,605557	5,6744	5,734350333	0,05995033	1,042429873	E130018N17Rik
17487574	4,879422	4,635381	4,685625	4,686852	5,078488	4,615131	4,733476	4,793490333	0,06001433	1,042476118	---
17311796	12,34946	12,20813	12,16707	12,20022	12,32106	12,3835	12,241553	12,30159333	0,06004	1,042494665	Ndufb9
17456478	4,167558	3,971775	3,687716	3,715322	4,118643	4,173242	3,9423497	4,002402333	0,06005267	1,042503818	---
17395290	10,33161	10,43874	10,43485	10,54876	10,37151	10,46515	10,401733	10,46180667	0,06007333	1,042518752	Gm14431 // Gm14431
17274969	8,810419	8,882975	8,676175	8,850914	8,772041	8,92689	8,7898563	8,849948333	0,060092	1,042532241	Snx13
17448759	7,108752	7,75392	7,186743	7,175143	7,057325	7,997303	7,349805	7,409923667	0,06011867	1,042551511	---
17356099	7,911188	7,832371	8,079525	8,005567	8,134183	7,863722	7,941028	8,001157333	0,06012933	1,042559219	Cdk2ap2
17549402	3,812111	3,743809	3,791851	3,908454	3,896396	3,72338	3,7825903	3,842743333	0,060153	1,042576322	---
17549806	3,812111	3,743809	3,791851	3,908454	3,896396	3,72338	3,7825903	3,842743333	0,060153	1,042576322	---
17361546	3,913146	3,886858	3,832294	3,976498	3,961558	3,874715	3,8774327	3,937590333	0,06015767	1,042579694	Cst6
17423525	9,891418	9,93243	9,577987	9,789356	9,922211	9,870767	9,8006117	9,860778	0,06016633	1,042585957	Cpne3
17268441	6,341743	5,982258	6,149342	6,149819	6,473775	6,030274	6,157781	6,217956	0,060175	1,04259222	Mrpl10
17205645	4,235594	3,614434	3,304312	3,950823	3,506242	3,87781	3,7181133	3,778291667	0,06017833	1,042594629	---
17481141	3,660128	3,492739	3,683106	3,66642	3,659699	3,690392	3,611991	3,672170333	0,06017933	1,042595352	Olfr557
17471023	8,648296	8,909346	8,918445	9,063421	8,841505	8,751717	8,8253623	8,885547667	0,06018533	1,042599688	Ncapd2
17506603	9,747375	9,822242	9,782633	9,892322	9,824637	9,81585	9,7840833	9,844269667	0,06018633	1,042600411	Tcf25
17247307	4,50826	4,190141	4,538446	4,42039	4,595699	4,40132	4,4122823	4,472469667	0,06018733	1,042601133	Vwc2
17488148	3,280443	4,060432	3,370227	3,550152	3,646741	3,694795	3,5703673	3,630562667	0,06019533	1,042606915	Mir3101
17477791	5,546956	5,270734	5,630949	5,460502	5,617013	5,551737	5,4828797	5,543084	0,06020433	1,042613419	Kcna7
17265770	5,106172	4,560415	4,725422	4,812741	4,88548	4,874408	4,7973363	4,857543	0,06020667	1,042615105	Olfr378
17274963	3,122076	3,109379	3,034611	3,270349	3,038328	3,138013	3,0886887	3,148896667	0,060208	1,042616069	---
17548369	8,05432	8,366611	8,395199	8,287022	8,374505	8,335231	8,2720433	8,332252667	0,06020933	1,042617032	---
17360914	3,226295	3,191544	2,95106	3,247829	3,302178	2,99952	3,1229663	3,183175667	0,06020933	1,042617032	---
17386499	6,955667	7,111058	6,823998	6,916728	7,106577	7,048053	6,9635743	7,023786	0,06021167	1,042618719	Cir1
17238896	7,321955	7,663723	7,661592	7,881262	7,468657	7,477994	7,54909	7,609304333	0,06021433	1,042620646	Syne1
17467727	6,346321	6,453563	6,456312	6,523593	6,512827	6,400482	6,418732	6,478967333	0,06023533	1,042635822	0610030E20Rik
17202265	5,940665	6,222293	5,711429	6,437474	5,979267	5,638357	5,958129	6,018366	0,060237	1,042637027	---
17203907	2,984045	2,811681	2,738905	2,858311	2,900901	2,956135	2,844877	2,905115667	0,06023867	1,042638231	---
17394774	8,463696	8,452463	8,44698	8,507916	8,373481	8,66247	8,4543797	8,514622333	0,06024267	1,042641122	Adnp
17525561	5,489148	5,518511	5,21023	5,443995	5,321131	5,633507	5,405963	5,466211	0,060248	1,042644977	Pknox2
17400862	13,10974	13,09788	13,02681	13,14239	13,13388	13,13892	13,078143	13,13839667	0,06025333	1,042648831	Hmgcs2
17494203	3,910819	3,566608	3,826215	3,867934	3,777242	3,839276	3,7678807	3,828150667	0,06027	1,042660876	Olfr630
17486874	5,529651	5,538818	5,534415	5,626709	5,62464	5,532362	5,5342947	5,594570333	0,06027567	1,042664972	Ccdc9
17355846	3,248553	3,416189	3,315709	3,454672	3,314334	3,392278	3,326817	3,387094667	0,06027767	1,042666417	Gm17266
17243379	6,196347	6,2065	6,129892	6,329908	6,245296	6,138399	6,1775797	6,237867667	0,060288	1,042673885	S1pr4
17387184	6,449631	6,118326	6,062413	6,419852	6,09007	6,301322	6,2101233	6,270414667	0,06029133	1,042676294	Zfp385b
17224614	4,191588	4,130239	4,162042	4,131725	4,376558	4,156507	4,1612897	4,221596667	0,060307	1,042687617	---
17487855	4,872643	4,880077	4,906474	4,829309	4,997584	5,013251	4,886398	4,946714667	0,06031667	1,042694604	Pou2f2
17395629	6,199237	5,64557	5,804003	5,788812	6,037674	6,003295	5,8829367	5,943260333	0,06032367	1,042699663	Gata5
17464539	4,829351	4,188908	4,312215	4,302228	4,771027	4,438191	4,4434913	4,503815333	0,060324	1,042699904	Hepacam2
17243286	7,274752	7,32546	7,504925	7,418182	7,527484	7,340487	7,368379	7,428717667	0,06033867	1,042710504	Hmg20b
17340943	9,500387	9,579525	9,433806	9,476963	9,660915	9,556951	9,5045727	9,564943	0,06037033	1,042733391	Mrpl18
17439388	6,062173	6,003532	6,115292	6,220304	6,207024	5,934797	6,0603323	6,120708333	0,060376	1,042737487	Fras1
17498199	5,140757	5,294367	5,009706	5,32604	5,195125	5,104796	5,1482767	5,208653667	0,060377	1,04273821	R74862
17287893	7,242955	7,174913	7,505895	7,136265	7,67326	7,295382	7,307921	7,368302333	0,06038133	1,042741342	Rmi1
17494783	4,314117	4,663651	3,764997	5,02364	3,864453	4,035836	4,2475883	4,307976333	0,060388	1,04274616	---
17456306	3,293313	3,482136	3,489681	3,701852	3,439728	3,304757	3,42171	3,482112333	0,06040233	1,04275652	---
17539658	7,240391	7,097678	7,171483	7,297134	7,203102	7,190528	7,1698507	7,230254667	0,060404	1,042757725	Arhgap6
17206609	4,483472	4,647614	4,684759	5,124037	4,085788	4,78724	4,6052817	4,665888333	0,06040667	1,04275965	---
17422546	4,352128	4,338214	4,581249	4,570808	4,439388	4,44263	4,4238637	4,484275333	0,06041167	1,042763266	C030017K20Rik
17250855	4,37546	4,51194	4,221234	4,40729	4,585868	4,296786	4,3695447	4,429981333	0,06043667	1,042781336	---
17356322	4,193925	4,396354	4,442375	4,44393	4,526051	4,243983	4,344218	4,404654667	0,06043667	1,042781336	LOC100504839
17463581	2,805367	2,917652	3,04099	2,989304	3,078582	2,877473	2,9213363	2,981786333	0,06045	1,042790974	---
17544399	6,164617	5,942305	5,948062	6,039838	6,13499	6,061532	6,018328	6,078786667	0,06045867	1,042797238	Sytl4
17303548	3,697445	3,58312	3,809708	3,765852	3,884855	3,620945	3,6967577	3,757217333	0,06045967	1,042797961	Gm281
17258738	7,56391	7,756539	7,651281	7,57437	7,771899	7,806914	7,6572433	7,717727667	0,06048433	1,04281579	Sept9
17292426	7,667168	7,475151	7,526161	7,674934	7,580109	7,594978	7,55616	7,616673667	0,06051367	1,042836993	1110007C09Rik
17223662	4,681238	4,948262	4,874338	5,160693	4,667614	4,857073	4,8346127	4,895126667	0,060514	1,042837234	4930487H11Rik
17243866	6,765649	6,732351	6,881155	6,784978	6,874431	6,90129	6,7930517	6,853566333	0,06051467	1,042837716	---
17273440	5,568619	5,537312	5,621568	5,708443	5,53867	5,661937	5,575833	5,63635	0,060517	1,042839403	Cd7
17214433	7,02813	6,997479	7,132145	7,153279	7,209334	6,976722	7,0525847	7,113111667	0,060527	1,042846631	Ankzf1
17308242	6,534367	6,421631	6,577715	6,512434	6,725212	6,47768	6,5112377	6,571775333	0,06053767	1,042854342	Pdlim2
17509069	9,339057	9,173481	8,973255	9,051513	9,370918	9,245013	9,161931	9,222481333	0,06055033	1,042863498	Cyp4v3
17322444	4,447713	4,139739	4,034743	4,40524	4,262069	4,136589	4,2073983	4,267966	0,06056767	1,042876027	Spt1
17326183	4,452732	3,95015	4,673814	4,389295	4,483384	4,385755	4,3588987	4,419478	0,06057933	1,042884461	Gm6936
17244659	3,775514	3,724489	3,656266	3,666638	3,956592	3,714812	3,7187563	3,779347333	0,060591	1,042892894	---
17394193	4,138307	4,212558	4,022458	4,229044	4,078714	4,247346	4,124441	4,185034667	0,06059367	1,042894822	Spint3
17461433	9,776336	9,816934	9,837781	9,852113	9,874498	9,886262	9,8103503	9,870957667	0,06060733	1,042904701	Edem1

17322545	9,155877	9,084336	9,09078	9,159832	9,144917	9,208215	9,110331	9,170988	0,060657	1,042940605	Dnaja3	
17389269	3,6688	3,884533	3,237693	3,984571	3,531763	3,456761	3,5970087	3,657698333	0,06068967	1,042964221	Olfr1282	
17250935	4,764435	4,229867	4,677192	4,660059	4,626688	4,566843	4,5571647	4,617863333	0,06069867	1,042970727	---	
17404652	7,786472	8,15449	7,873842	7,773354	8,002445	8,221112	7,938268	7,998970333	0,06070233	1,042973378	---	
17331900	4,05752	4,027819	4,112611	4,33217	4,104832	3,943098	4,0659833	4,1267	0,06071667	1,04298374	Krtap16-7	
17334356	6,484338	6,196277	6,206069	6,255688	6,469726	6,343455	6,2955613	6,356289667	0,06072833	1,042992174	Nthl1	
17296625	5,657265	5,428975	5,067186	5,550422	5,439318	5,345883	5,3844753	5,445207667	0,06073233	1,042995066	Gm10413 // Gm10413	
17296682	5,657265	5,428975	5,067186	5,550422	5,439318	5,345883	5,3844753	5,445207667	0,06073233	1,042995066	Gm10413	
17388971	3,562779	3,659741	3,580567	3,735661	3,610814	3,638834	3,601029	3,661769667	0,06074067	1,043001091	Pin1-ps1	
17488848	2,977944	3,230304	3,151515	3,260277	3,053933	3,227787	3,119921	3,180665667	0,06074467	1,043003983	---	
17393998	3,984595	4,030752	4,068094	4,282113	3,975652	4,007916	4,0278137	4,088560333	0,06074667	1,043005429	---	
17234317	8,068501	8,226558	7,999162	8,156982	8,159631	8,159849	8,0980737	8,158820667	0,060747	1,04300567	Specc1l	
17233742	9,26552	9,381498	9,224998	9,263751	9,422779	9,36775	9,290672	9,351426667	0,06075467	1,043011212	---	
17540402	4,1428	4,100655	4,27089	4,284307	4,3701	4,042217	4,1714483	4,232208	0,06075967	1,043014827	Efhc2	
17331838	4,445421	4,602461	4,809333	4,513283	4,827026	4,6992	4,6190717	4,679836333	0,06076467	1,043018442	2310079G19Rik	
17279239	5,208024	4,968526	5,278605	5,169255	5,235893	5,232368	5,1517183	5,212505333	0,060787	1,043034588	Tdrd9	
17331894	3,195584	3,18276	3,182159	3,387679	3,118766	3,236427	3,1868343	3,247624	0,06078967	1,043036516	Krtap16-8	
17448264	8,770813	8,80267	8,708201	8,674268	8,949926	8,839882	8,7605613	8,821358667	0,06079733	1,043042059	Rfc1	
17494848	4,992183	4,675338	4,866934	5,119889	4,794189	4,802882	4,8448183	4,905653333	0,060835	1,043069292	Stk33	
17296602	6,81599	6,560638	6,435668	6,826852	6,525671	6,642292	6,6040987	6,664938333	0,06083967	1,043072666	Gm3020	
17223649	4,076581	4,18043	4,061882	4,387897	3,984366	4,129164	4,1062977	4,167142333	0,06084467	1,043076281	Pard3b	
17302571	6,436521	6,419175	6,460565	6,474616	6,540497	6,483697	6,4387537	6,499603333	0,06084967	1,043079896	---	
17389082	3,828644	3,634966	3,419391	3,574155	3,769527	3,721869	3,627667	3,688517	0,06085	1,043080137	---	
17494208	3,369153	3,284961	3,050113	3,396546	3,335065	3,155187	3,2347423	3,295599333	0,060857	1,043085198	Olfr69	
17207841	5,359692	4,983999	5,249025	5,506791	5,171534	5,096997	5,197572	5,258440667	0,06086867	1,043093633	---	
17457777	3,275864	3,068443	2,935416	3,215693	3,178511	3,068192	3,093241	3,1541 32	0,060891	1,04310978	---	
17465605	6,177856	6,348124	6,559453	6,364685	6,53095	6,372472	6,361811	6,422702333	0,06089133	1,043110021	---	
17312850	7,782725	7,882803	7,859429	7,944956	7,72439	8,038364	7,8416523	7,90257	0,06091767	1,043129061	Triobp	
17257819	5,211471	5,3686	5,310267	5,270528	5,346547	5,456019	5,2967793	5,357698	0,06091867	1,043129784	1700096J18Rik // 1700096J18Rik	
17286445	3,898868	3,320721	3,35129	3,624559	3,702789	3,426288	3,5236263	3,584545333	0,060919	1,043130025	Serpinb6d	
17373887	3,820518	3,518686	3,499674	3,647726	3,847526	3,526391	3,6129593	3,673881	0,06092167	1,043131954	Ccdc73	
17472752	4,855574	4,893577	4,765875	4,962296	4,879941	4,855574	4,838342	4,899270333	0,06092833	1,043136774	Ifltd1	
17276147	5,654152	5,818737	5,959057	6,027483	5,805794	5,781476	5,8106487	5,871584333	0,06093567	1,043142076	4930404H11Rik	
17372233	4,280304	4,262342	4,301789	4,131408	4,443007	4,452832	4,2814783	4,342415667	0,06093733	1,043143281	Dfnb59	
17527565	7,94276	7,912443	7,927012	8,021191	7,936576	8,007269	7,927405	7,988345333	0,06094033	1,04314545	Csk	
17258341	7,544079	7,503027	7,524101	7,432947	7,677805	7,643312	7,5237357	7,584688	0,06095233	1,043154127	Llgl2	
17219986	3,891837	4,026957	3,950048	3,901925	3,955796	4,194053	3,9562807	4,017258	0,06097733	1,043172204	---	
17470031	6,717974	6,924052	6,725836	6,790046	7,100461	6,660304	6,7892873	6,850270333	0,060983	1,043176301	Alox5	
17450354	12,49418	12,16155	12,08404	11,944	12,44678	12,53194	12,24659	12,30757333	0,06098333	1,043176542	Hsd17b13	
17366562	8,603034	8,60972	8,545706	8,674518	8,632931	8,633986	8,5861533	8,647145	0,06099167	1,043182568	Upf2	
17494926	4,009458	3,910831	3,977991	4,017079	3,959877	4,104339	3,9660933	4,027098333	0,061005	1,043192209	Ascl3	
17546412	3,537127	3,275255	3,354164	3,413664	3,50424	3,431669	3,3888487	3,449857667	0,061009	1,043195101	Rbm31y	
17244967	9,88561	9,847835	9,743212	9,873036	9,900264	9,886412	9,8255523	9,886570667	0,06101833	1,04320185	Atxn7l3b	
17410105	4,669118	4,414305	4,115194	4,541044	4,64002	4,200723	4,399539	4,460595667	0,06105667	1,043229569	1700003H04Rik	
17490644	6,454592	6,553837	6,64914	6,533988	6,793943	6,51282	6,552523	6,613583667	0,06106067	1,043232462	Aldh16a1	
17316161	3,274829	3,128719	3,197999	3,391166	3,146713	3,246872	3,2005157	3,261583667	0,061068	1,043237764	---	
17208467	5,824641	5,945453	5,881166	6,193841	5,901785	5,738846	5,8837533	5,944824	0,06107067	1,043239693	---	
17207097	6,761864	5,926482	6,497573	6,574443	6,322501	6,47219	6,3953063	6,456378	0,06107167	1,043240416	---	
17489959	4,730234	4,904909	4,942132	4,69952	5,011902	5,049075	4,8590917	4,920165667	0,061074	1,043242103	Gm5591 // Gm5591 // Gm5591 // Gm55	
17489968	4,730234	4,904909	4,942132	4,69952	5,011902	5,049075	4,8590917	4,920165667	0,061074	1,043242103	Gm5591 // Gm5591 // Gm5591	
17548184	6,14165	5,984058	6,031965	6,161755	6,194113	5,985044	6,0525577	6,113637333	0,06107967	1,043246201	LOC100862601	
17371790	5,786007	5,773398	6,12625	5,839433	5,985338	6,044138	5,8952183	5,956303	0,06108467	1,043249816	Gm1631	
17417512	7,020759	6,97846	6,865357	6,978503	7,080704	6,988628	6,9548587	7,015945	0,06108633	1,043251022	Tesk2	
17252758	5,184855	5,083149	5,427037	5,514893	5,210731	5,152686	5,2316803	5,29277	0,06108967	1,043253432	E130309D14Rik	
17452540	6,287794	6,471817	6,389842	6,412591	6,404823	6,515314	6,383151	6,444242667	0,06109167	1,043254878	Morn3	
17304235	5,112079	5,276218	5,250958	5,252687	5,328348	5,241523	5,213085	5,274186	0,061101	1,043261627	Arf4	
17372831	3,404484	3,218927	3,240203	3,466437	3,04446	3,536051	3,2878713	3,348982667	0,06111133	1,0432691	Olfr1116-ps	
17374738	7,441702	7,518551	7,519569	7,47924	7,523714	7,660255	7,493274	7,554403	0,061129	1,043281875	Gchfr	
17388661	5,048623	4,698954	4,986372	5,083413	4,943262	4,890792	4,9113163	4,972489	0,06117267	1,043313453	---	
17513500	5,156828	4,858478	4,90625	5,053294	5,103245	4,948603	4,973852	5,035047333	0,06119533	1,043329845	---	
17331431	3,757519	3,55861	3,810443	3,718046	3,840267	3,751863	3,7088573	3,770058667	0,06120133	1,043334184	Htr1f	
17200125	3,910202	4,311484	4,276628	4,446175	3,922034	4,313725	4,1661047	4,227311333	0,06120667	1,043338041	---	
17211774	6,782825	6,895681	6,894595	6,835285	7,176888	6,744619	6,8577003	6,918930667	0,06123033	1,043355157	Plekhb2	
17441624	6,337732	6,415728	6,52025	6,501848	6,603422	6,352164	6,42457	6,485811333	0,06124133	1,043363112	Rbm19	
17373996	3,553429	3,480372	3,643713	3,646577	3,614601	3,600068	3,5591713	3,620415333	0,061244	1,043365041	BC048594	
17382059	3,63349	3,541924	3,697089	3,628645	3,748338	3,679276	3,6241677	3,685419667	0,061252	1,043370826	4921504E06Rik	
17399679	7,376131	7,182766	7,327806	7,344287	7,348549	7,377672	7,2955677	7,356836	0,06126833	1,043382639	Crtc2	
17542037	3,784242	3,465457	3,460808	3,649801	3,591383	3,653166	3,570169	3,63145	0,061281	1,0433918	1700019B21Rik	
17542167	8,213869	8,258818	8,068882	8,179628	8,393995	8,151808	8,180523	8,241810333	0,06128733	1,04339638	BC023829	
17374218	5,773839	5,789796	5,794263	5,856919	5,838118	5,846823	5,785966	5,847286667	0,06132067	1,043420488	Lpcat4	
17464110	8,144836	8,129622	8,118255	8,221549	8,184505	8,170671	8,1309043	8,192241667	0,06133733	1,043432542	Pyroxd1	
17477636	6,147495	6,18436	6,118031	6,123846	6,40653	6,103532	6,149962	6,211302667	0,06134067	1,043434953	Tsks	
17528084	5,44798	5,316281	5,463516	5,524988	5,327899	5,558928	5,409259	5,470605	0,061346	1,04343881	Iqch	
17466322	5,110001	5,085726	5,0486	5,016917	5,08795	5,323523	5,0814423	5,142796667	0,06135433	1,043444837	Trpv6	
17422443	5,175927	5,159737	5,225527	5,212261	5,26246	5,270579	5,1870637	5,248433333	0,06136967	1,043455928	Hes5	
17206283	6,159944	6,202323	6,300974	6,507933	6,483371	5,856054	6,2210803	6,282452667	0,06137233	1,043457856	---	
17335506	6,188228	6,173599	6,415411	6,320281	6,354251	6,286861	6,2590793	6,320464333	0,061385	1,043467018	Pi16	
17202527	7,162602	7,369497	7,038842	7,263501	7,374445	7,11715	7,1903137	7,251698667	0,061385	1,043467018	---	
17254916	10,54239	10,70612	10,60498	10,69065	10,66011	10,68694	10,61783	10,67923333	0,06140333	1,043480278	Srsf1	
17471452	4,404263	4,18358	5,09228	4,742093	4,452854	4,66939	4,560041	4,621445667	0,06140467	1,043481242	Klrb1c	
17314515	9,652268	9,64509	9,51455	9,641923	9,673034	9,681173	9,6039693	9,665376667	0,06140733	1,043483171	Arid2	
17331350	7,656254	7,452439	7,520294	7,574711	7,422285	7,816252	7,5429957	7,604416	0,06142033	1,043492574	Nsun3	
17357711	3,375808	3,237833	3,204325	3,694844	3,265527	3,041894	3,2726553	3,334088333	0,061433	1,043501736	---	
17388350	3,657103	3,51509	3,728899	3,80215	3,657647	3,625599	3,6336973	3,695132	0,06143467	1,043502941	2900072N19Rik	
17282925	5,886591	6,123818	5,834885	5,995779	5,976872	6,056949	5,9484313	6,009866667	0,06143533	1,043503423	Gm16381 // Gm16381 // Gm16381 // Gı	
17377774	6,779701	6,927553	6,804876	7,103143	6,81727	6,776067	6,8373767	6,898826667	0,06145	1,043514032	Mcts2	
17299500	5,053618	4,858149	4,971005	4,857623	5,549031	4,660489	4,960924	5,022381	0,061457	1,043519095	Olfr743	
17411714	6,589128	6,11777	6,746583	6,293156	6,768999	6,575704	6,4844937	6,545953	0,06145933	1,043520783	Asph // Asph	
17329723	9,152681	9,228595	9,138645	9,302568	9,220788	9,180952	9,173307	9,234769333	0,06146233	1,043522953	Acap2	
17522818	6,19888	6,072968	6,192367	6,287715	6,30842	6,05247	6,1547383	6,216201667	0,06146333	1,043523676	Gadl1	
17257444	5,445811	5,329017	5,259456	5,430351	5,573303	5,215038	5,3447613	5,406230667	0,06146933	1,043528016	Ace	
17408729	7,052016	7,105923	6,830025	7,146447	7,038536	6,987405	6,995988	7,057462667	0,06147467	1,043531874	Lrig2	
17230408	8,026605	7,717432	7,813405	7,81422	7,938094	7,989561	7,8524807	7,913958333	0,06147767	1,043534043	Adck3	
17280383	8,078947	8,31455	8,00129	8,216886	8,212386	8,14996	8,1315957	8,193077333	0,06148167	1,043536937	Colec11	
17415502	5,582469	5,449591	5,578753	5,699035	5,65583	5,4404	5,5369377	5,598421667	0,061484	1,043538625	BC042782	
17352862	5,839902	5,607119	5,635969	5,835644	5,770915	5,660892	5,69433	5,755817	0,061487	1,043540795	Aqp4	
17347985	3,77804	3,720702	3,748274	3,863528	3,834036	3,733947	3,7490053	3,810503667	0,06149833	1,043548992	---	
17449935	4,135378	4,210737	4,22087	4,270061	4,172389	4,309077	4,188995	4,250509	0,061514	1,043560325	Gk2	
17266022	5,860198	5,560979	6,066044	5,747677	5,902	6,022115	5,8290737	5,890597333	0,06152367	1,043567317	Rph3al	
17330264	5,666745	5,21057	5,648606	5,607799	5,497863	5,604843	5,5086403	5,570168333	0,061528	1,043570451	Fbxo40	
17231114	3,933041	4,263893	4,074703	4,232145	4,133169	4,090919	4,0905457	4,152077667	0,061532	1,043573345	Mir3473c	
17549950	3,933041	4,263893	4,074703	4,232145	4,133169	4,090919	4,0905457	4,152077667	0,061532	1,043573345	---	
17202389	7,50454	6,746049	7,505478	7,43048	7,586109	6,924114	7,2520223	7,313567667	0,06154533	1,043582989	---	
17481916	8,022011	8,147302	8,058369	8,089434	8,045842	8,277089	8,075894	8,137455	0,061561	1,043594322	Parva	
17481770	6,205889	6,114861	5,715735	6,285569	6,012245	5,92337	6,0121617	6,073728	0,06156633	1,04359818	Adm	
17443474	6,660297	6,831639	6,891338	6,850272	6,894856	6,82291	6,7944247	6,856012667	0,061588	1,043613853	Fis1	
17499602	4,654789	4,402118	4,288588	4,693959	4,387006	4,449352	4,4484983	4,510105667	0,06160733	1,043627839	Defb6	
17499617	3,20919	2,772068	3,140394	3,192083	3,140484	2,973912	3,0405507	3,102159667	0,061609	1,043629044	Defa-ps13	
17381624	2,982644	2,886306	3,177256	2,974989	3,271906	2,984141	3,015402	3,077012	0,06161	1,043629768	---	
17387926	4,105819	4,206006	4,161084	4,198209	4,217298	4,242245	4,1576363	4,219250667	0,06161433	1,043632902	Olfr1230	
17441574	3,660717	3,583243	3,70867	3,781982	3,746108	3,609399	3,6508767	3,712496333	0,06161967	1,04363676	4930413E15Rik	
17415239	6,783105	6,687193	6,690377	6,728641	6,898267	6,718647	6,720225	6,781851667	0,06162667	1,043641824	BC057079	
17248409	5,031755	4,835314	5,078431	4,987383	5,101656	5,041447	4,9818333	5,043495333	0,061662	1,043667384	---	
17399404	4,225369	4,217135	4,424825	4,115026	4,567588	4,369706	4,2891097	4,350773333	0,06166367	1,04366859	Gm15998	
17265785	3,021478	3,201781	3,006034	3,068642	3,096018	3,24963	3,076431	3,138096667	0,06166567	1,043670037	Olfr389	
17425523	7,622881	7,897977	8,068571	7,958821	7,957458	7,858153	7,863143	7,924810667	0,06166767	1,043671484	Snora17 // Snora17	
17206999	6,705549	6,098722	6,120214	6,65833	6,402481	6,048687	6,3081617	6,369832667	0,061671	1,04367389	---	
17399702	5,951588	6,093004	6,050706	6,299824	5,981005	5,999489	6,031766	6,093439333	0,06167333	1,043675583	Dennd4b	
17490695	4,715656	5,615652	5,56918	5,318315	5,301458	5,465737	5,3001627	5,361836667	0,061674	1,043676065	Dkkl1	
17414212	5,518156	5,909979	5,884848	5,985314	5,736356	5,776338	5,7709943	5,832669333	0,061675	1,043676789	Fsd1l	
17220591	5,198023	5,045773	5,151914	5,341713	5,142544	5,096503	5,1319033	5,193586667	0,06168333	1,043682817	5033404E19Rik	
17467537	4,928108	5,018636	4,769477	4,971997	4,987226	4,942072	4,905407	4,967098333	0,06169133	1,043688605	---	
17357259	8,228676	8,453158	8,50282	8,384656	8,536741	8,448361	8,3948847	8,456586	0,06170133	1,043695839	Ubxn1	
17242545	5,310846	5,221334	5,346605	5,303539	5,336373	5,424012	5,2929283	5,354641333	0,061713	1,043704279	Olfr1357	
17312946	6,40658	6,111296	6,295912	6,304578	6,408288	6,286067	6,2712627	6,332977667	0,061715	1,043705726	Gm10863	
17380491	10,38746	10,49023	10,50673	10,6164	10,43806	10,51516	10,461473	10,52320667	0,06173333	1,043718989	Gm14431	
17395272	10,38746	10,49023	10,50673	10,6164	10,43806	10,51516	10,461473	10,52320667	0,06173333	1,043718989	Gm14431 // Gm14431	
17496651	11,65976	11,44277	11,41746	11,55495	11,60144	11,54892	11,506663	11,56843667	0,06177333	1,043747928	Sephs2	
17270676	3,488896	3,483943	3,426976	3,640576	3,49036	3,454263	3,466605	3,528399667	0,06179467	1,043763362	---	
17255081	7,108597	6,9901	7,118598	6,959402	6,95163	7,491659	7,0724317	7,134230333	0,06179867	1,043766256	Tom1l1	
17312405	7,124092	7,264297	7,320794	7,26368	7,405485	7,225429	7,2363943	7,298198	0,06180367	1,043769873	Maf1	
17232581	5,709726	5,479174	5,725913	5,736159	5,7512	5,612924	5,638271	5,700094333	0,06182333	1,043784102	5930403N24Rik	
17464165	8,99556	9,059538	8,85121	9,140659	8,963243	8,98789	8,9687693	9,030597333	0,061828	1,043787478	Etnk1	
17325578	4,6308	4,243876	4,474982	4,498375	4,756187	4,280592	4,449886	4,511718	0,061832	1,043790372	4932425I24Rik // 4932425I24Rik	

17378346	3,921207	3,958723	3,78803	4,066446	4,005678	3,781337	3,88932	3,951153667	0,06183367	1,043791578	Mir695
17405469	4,588032	4,630533	4,670254	4,623797	4,538288	4,912247	4,6296063	4,691444	0,06183767	1,043794472	F630111L10Rik
17518512	4,130475	4,25931	4,308638	4,303254	4,326802	4,253881	4,2328077	4,294645667	0,061838	1,043794713	Cilp
17550723	3,855155	4,114264	4,152205	3,943691	4,24317	4,120282	4,0405413	4,102381	0,06183967	1,043795919	---
17456836	4,807016	4,938715	5,059899	5,159102	4,821002	5,011104	4,93521	4,997069333	0,06185933	1,043810148	LOC100862136
17388035	3,425481	3,486434	3,553053	3,308579	3,903502	3,438486	3,4883227	3,550189	0,06186633	1,043815213	Olfr1271
17423737	3,661375	4,0725	4,294704	4,30789	3,955494	3,950794	4,0095263	4,071392667	0,06186633	1,043815213	---
17526081	6,007967	5,754012	5,689376	5,722781	5,978339	5,935834	5,8171183	5,878984667	0,06186633	1,043815213	Tmem136
17548587	5,543767	5,850554	5,683443	5,747859	5,718114	5,797403	5,692588	5,754458667	0,06187067	1,043818348	Gm7226
17212546	5,324074	6,169546	5,925128	5,736883	5,902408	5,965123	5,8062493	5,868138	0,06188867	1,043831371	---
17355169	9,19514	9,185009	9,148735	9,186452	9,276662	9,251441	9,1762947	9,238185	0,06189033	1,043832577	Afg3l2
17232440	3,230226	3,369833	3,475485	3,32744	3,233009	3,700771	3,3585147	3,420406667	0,061892	1,043833783	---
17200205	4,623015	4,454552	4,45681	4,277913	4,914124	4,52808	4,511459	4,573372333	0,06191333	1,043849219	---
17507082	7,149553	7,484469	7,299171	7,452477	7,284092	7,382425	7,3110643	7,372998	0,06193367	1,043863931	Pex11c
17201265	8,078567	7,796603	8,344377	8,134243	8,14987	8,121265	8,0731823	8,135126	0,06194367	1,043871166	---
17496354	11,59897	11,58741	11,44426	11,60763	11,59514	11,61372	11,543547	11,60549667	0,06195	1,043875749	Sult1a1
17272375	5,268074	5,278539	5,233794	5,54395	5,191616	5,230698	5,2601357	5,322088	0,06195233	1,043877437	Qrich2
17327262	5,853372	5,609434	5,568031	5,431868	5,864055	5,920794	5,6769457	5,738905667	0,06196	1,043882984	---
17461240	3,5831	3,86792	3,962175	4,106282	3,700286	3,792529	3,8043983	3,866365667	0,06196733	1,043888291	Cntn6
17357020	4,909202	5,000715	4,871814	4,953363	4,914679	5,09961	4,9272437	4,989217333	0,06197367	1,043892873	Rcor2
17499723	3,413115	3,128753	3,658063	3,152488	4,023571	3,209892	3,399977	3,461983667	0,06200667	1,043916751	LOC100505096
17491344	3,323026	3,144439	3,25132	3,241331	3,305352	3,358124	3,239595	3,301602333	0,06200733	1,043917234	Mrgprx1
17233408	8,193607	8,161531	8,174633	8,261976	8,210907	8,242941	8,1765903	8,238608	0,06201767	1,043924711	Gcc2
17535175	3,877497	4,002281	3,854062	3,972842	3,973351	3,973761	3,91128	3,973318	0,062038	1,043939424	Ctag2
17284447	8,500075	7,724607	8,176807	8,216266	8,223377	8,147972	8,1338297	8,195871667	0,062042	1,043942318	---
17428702	6,844676	6,784637	6,778162	6,888726	6,94081	6,764069	6,8024917	6,864535	0,06204333	1,043943283	Mnachc
17396172	4,418974	4,386942	4,350898	4,504626	4,369923	4,468421	4,3856047	4,447656667	0,062052	1,043949554	A930001A20Rik
17412292	4,565372	4,208995	4,346537	4,324672	4,45841	4,523979	4,3736347	4,435687	0,06205233	1,043949796	---
17346591	4,049362	3,626517	3,831671	3,898243	4,04919	3,746286	3,83585	3,897906333	0,06205633	1,04395269	Vmn2r120
17326592	2,95283	2,964894	2,945602	3,014848	3,014828	3,019864	2,954442	3,016513333	0,06207133	1,043963544	---
17527164	3,595353	3,575137	3,121363	3,309126	3,744872	3,4241	3,4306177	3,492699333	0,06208167	1,043971022	---
17550314	3,595353	3,575137	3,121363	3,309126	3,744872	3,4241	3,4306177	3,492699333	0,06208167	1,043971022	---
17287282	4,40068	4,288935	4,676056	4,464373	4,435198	4,652358	4,4552237	4,517309667	0,062086	1,043974158	Gm904
17438993	4,14187	4,787972	3,919866	4,059238	4,205239	4,771523	4,283236	4,345333333	0,06209733	1,043982359	---
17377610	6,531603	6,287237	6,564675	6,603304	6,457026	6,509495	6,4611717	6,523275	0,06210333	1,043986701	Sdcbp2
17419716	3,131698	2,959362	3,162794	3,262705	3,044169	3,133304	3,084618	3,146726	0,062108	1,043990077	---
17293465	5,656512	5,44797	5,703267	5,633785	5,544642	5,815649	5,602583	5,664692	0,062109	1,043990801	Gm6436
17200613	4,796268	4,661583	4,661542	4,82572	4,764833	4,715199	4,7064643	4,768584	0,06211967	1,04399852	---
17301968	10,1123	10,12609	10,09834	10,1133	10,19421	10,21559	10,112243	10,17436667	0,06212333	1,044001173	Lcp1
17312427	6,853477	6,581256	6,77319	6,722086	6,852101	6,820107	6,7359743	6,798098	0,06212367	1,044001415	Heatr7a
17329929	4,81965	4,949033	4,959419	4,932262	4,953133	5,029098	4,9093673	4,971497667	0,06213033	1,044006239	Heg1
17357584	6,34884	6,498308	6,399347	6,470719	6,571529	6,390662	6,4154983	6,477636667	0,06213833	1,044012028	Vps37c
17449535	10,77247	10,91053	10,60673	10,78758	10,78574	10,90289	10,763243	10,82540333	0,06216	1,044027707	---
17353857	5,652624	5,613478	5,679582	5,789861	5,66572	5,676589	5,6485613	5,710723333	0,062162	1,044029155	Fchsd1
17303897	7,090359	7,370933	7,372622	7,257774	7,496439	7,266202	7,2779713	7,340138333	0,062167	1,044032773	Ndst2
17305959	4,730301	4,165557	4,76449	4,723765	4,629351	4,493739	4,5534493	4,615618333	0,062169	1,04403422	Olfr743 // Olfr743
17269190	7,54223	7,453023	7,448783	7,681756	7,478117	7,470683	7,4813453	7,543518667	0,06217333	1,044037356	---
17238245	8,166053	8,081694	7,994742	8,155765	8,161857	8,111389	8,0808297	8,143003667	0,062174	1,044037839	Baz2a
17465750	6,883187	6,842462	6,883492	6,935041	7,007493	6,853139	6,8697137	6,931891	0,06217733	1,044040251	Wdr91
17206245	5,136166	6,213143	5,944838	5,272882	6,559603	5,648228	5,7647157	5,826904333	0,06218867	1,044048453	---
17383748	7,673599	7,725294	7,825038	7,866476	7,767882	7,776143	7,7413103	7,803500333	0,06219	1,044049418	Fnbp1
17421307	3,750285	3,701532	3,696468	3,65354	3,859558	3,821757	3,716095	3,778285	0,06219	1,044049418	Gm13177
17514847	3,497215	3,5364	3,598798	3,689444	3,500547	3,629026	3,5441377	3,606339	0,06220133	1,044057619	4930540M03Rik // 4930540M03Rik
17364341	12,83849	12,86337	12,9209	12,89642	12,98787	12,9251	12,874253	12,93646333	0,06221	1,044063891	Rbp4
17514118	6,415726	6,259594	6,236517	6,483415	6,379474	6,235623	6,3039457	6,366170667	0,062225	1,044074747	Fam89a
17526741	4,04683	3,715313	4,16338	3,918771	4,081225	4,112206	3,9751743	4,037400667	0,06222633	1,044075712	---
17448902	5,780656	5,683849	5,723834	5,703762	5,996976	5,674367	5,7294463	5,791701667	0,06225533	1,044096699	---
17467300	3,058113	2,906173	3,121861	2,889781	3,101637	3,281517	3,0287157	3,090978333	0,06226267	1,044102006	Vmn1r35
17233642	11,13121	11,13603	11,01779	11,21015	11,18435	11,07734	11,09501	11,15728	0,06227	1,044107314	---
17246453	5,303792	5,274455	4,962496	5,251688	5,075665	5,400211	5,1802477	5,242521333	0,06227367	1,044109967	Olfr247
17246455	5,303792	5,274455	4,962496	5,251688	5,075665	5,400211	5,1802477	5,242521333	0,06227367	1,044109967	Olfr247
17262016	3,967444	3,63661	3,960373	4,131195	3,907651	3,712412	3,854809	3,917086	0,062277	1,04411238	Gm12159
17246461	4,459415	3,626635	4,403377	3,952447	4,537256	4,186575	4,1631423	4,225426	0,06228367	1,044117204	Olfr825
17427270	3,755298	3,693137	3,714071	3,788418	3,798106	3,762862	3,7208353	3,783128667	0,06229333	1,0441242	4930579C15Rik
17367910	5,432388	5,366866	5,80645	5,650142	5,824905	5,317546	5,5352347	5,597531	0,06229633	1,044126372	Tmem210
17411081	8,770904	8,524753	8,565926	8,670149	8,724218	8,654121	8,6205277	8,682829333	0,06230167	1,044130232	Prkacb
17400559	5,696858	5,435423	6,07128	5,863764	5,766933	5,759844	5,7345203	5,796847	0,06232667	1,044148325	Hist2h3b // Hist1h3e // Hist1h3b // Hist1
17203133	4,978439	4,799868	4,920468	4,982644	4,775665	5,127447	4,8995917	4,961918667	0,062327	1,044148566	---
17551081	3,299063	3,404261	3,538952	3,334501	3,559338	3,535427	3,414092	3,476422	0,06233	1,044150738	---
17268180	8,81938	8,73226	8,735685	8,778889	8,911603	8,783826	8,7624417	8,824772667	0,062331	1,044151461	Myst2
17240663	3,572973	3,492376	3,651848	3,651848	3,963486	3,288897	3,572399	3,634743667	0,06234467	1,044161353	---
17360042	4,791641	4,565916	4,580497	4,665536	4,790634	4,66892	4,646018	4,708363333	0,06234533	1,044161835	AW124847
17492035	4,574818	4,61743	4,503218	4,574818	4,87343	4,43426	4,5651553	4,627502667	0,06234733	1,044163283	Pgpep1l
17432264	6,739276	6,813871	6,77071	6,81153	6,87492	6,8245	6,774619	6,836983333	0,06236433	1,044175587	Plekhm2
17424674	8,993145	9,148888	8,950956	9,102117	9,201532	8,976512	9,0309963	9,093387	0,06239067	1,044194646	Tln1
17204607	4,368165	4,235958	4,394944	4,427003	4,040038	4,719227	4,3330223	4,395422667	0,06240033	1,044201643	---
17312697	5,806811	5,350456	5,907055	5,76331	5,826052	5,662177	5,6881073	5,750513	0,06240567	1,044205503	Cacng2
17518246	4,06866	3,789603	4,288771	4,057871	4,237873	4,038548	4,0490113	4,111430667	0,06241933	1,044215395	Iqch
17207507	4,146042	4,563725	5,577636	4,803753	4,70306	4,967873	4,7624677	4,824895333	0,06242767	1,044221426	---
17287642	11,30347	11,36768	11,37858	11,40519	11,43887	11,393	11,34991	11,41235333	0,06244333	1,044232766	Prelid1
17495029	8,677722	8,73208	8,534779	8,746672	8,758451	8,626849	8,6481937	8,710657333	0,06246367	1,044247483	Sbf2
17425058	6,540606	6,835788	6,556877	6,605891	6,805033	6,709754	6,6444237	6,706892667	0,062469	1,044251344	Coro2a
17449213	4,314899	4,092963	4,009104	4,247224	4,270304	4,086914	4,1389887	4,201480667	0,062492	1,044267992	Gnrhr
17200899	5,407701	5,40745	5,179	5,986094	4,932998	5,262569	5,3313837	5,393887	0,06250333	1,044276195	---
17351323	5,206029	5,04475	5,332313	5,376093	5,435295	4,959217	5,194364	5,256868333	0,06250433	1,044276919	Alpk2
17490721	6,403885	6,424627	6,336803	6,275613	6,59393	6,483299	6,3884383	6,450947333	0,062509	1,044280297	Trpm4
17203147	7,082238	5,867681	6,904899	6,753899	6,914185	6,374278	6,6182727	6,680787333	0,06251467	1,044284399	---
17413137	6,29881	5,926803	6,743307	6,878323	6,132366	6,145795	6,3229733	6,385494667	0,06252133	1,044289224	Ccl27b
17210679	7,368717	7,174018	7,065484	7,472019	7,317811	7,005964	7,2027397	7,265264667	0,062525	1,044291878	---
17228106	8,571609	8,75703	8,492826	8,661232	8,684803	8,663097	8,607155	8,669710667	0,06255567	1,044314077	Smg7
17328640	8,478608	8,439376	8,437804	8,522253	8,602331	8,418882	8,4519293	8,514488667	0,06255933	1,044316731	Ube2l3
17545899	6,698453	6,715283	6,476989	6,488667	6,912197	6,677546	6,6302417	6,692803333	0,06256167	1,04431842	S100g
17363388	3,512342	3,36084	3,493509	3,581317	3,48372	3,489377	3,4555637	3,518138	0,06257433	1,044327589	---
17240235	3,37293	3,430785	3,077297	3,331609	3,497077	3,240059	3,2936707	3,356248333	0,06257767	1,044330002	Rfpl4b
17237496	5,84977	5,722519	5,575865	5,796072	5,757817	5,782027	5,7160513	5,778638667	0,06258733	1,044336999	Kcnmb4
17361975	7,673276	7,725977	7,688847	7,696718	7,710382	7,868801	7,6960333	7,758633667	0,06260033	1,04434641	Snx15
17464830	6,205333	6,369934	5,983788	5,951165	6,203014	6,592711	6,1863517	6,248963333	0,06261167	1,044354614	---
17265976	12,48266	12,50443	12,56459	12,69479	12,56466	12,48008	12,517227	12,57984333	0,06261667	1,044358233	Serpinf2
17526479	5,701038	5,433662	5,503294	5,66212	5,523613	5,640127	5,545998	5,60862	0,062622	1,044362094	Tmprss4
17239493	7,669824	7,584021	7,690029	7,728815	7,795433	7,607492	7,647958	7,71058	0,062622	1,044362094	Heca
17206461	8,829658	9,142138	9,41073	9,476704	8,826365	9,267337	9,1275087	9,190135333	0,06262667	1,044365472	---
17494978	8,517255	8,605057	8,36474	8,611562	8,558044	8,505338	8,495684	8,558314667	0,06263067	1,044368368	Dennd5a
17427645	4,157433	4,229915	3,925588	4,084533	4,311315	4,104992	4,104312	4,166946667	0,06263467	1,044371263	Gm12709
17242232	8,965464	9,131356	9,094774	9,147879	9,195962	9,035728	9,0638647	9,126523	0,06265833	1,044388396	Col18a1
17208723	3,102979	3,648859	3,617652	3,532102	3,509486	3,515897	3,4564967	3,519161667	0,062665	1,044393222	---
17259865	9,887947	9,904218	9,859107	9,891803	9,962983	9,984537	9,8837573	9,946441	0,06268367	1,044406735	Tug1
17206799	3,070189	2,881953	2,57124	3,075097	2,840869	2,795483	2,8411273	2,903816333	0,062689	1,044410596	---
17296936	5,797434	5,422539	5,338073	5,698642	5,574403	5,473082	5,5193487	5,582042333	0,06269367	1,044413975	4930555G01Rik // 4930555G01Rik // 493
17404058	6,21367	5,996276	5,963048	6,132547	6,090264	6,138305	6,0576647	6,120372	0,06270733	1,044423868	Pag1
17387622	4,309126	4,300096	3,955773	4,388846	4,300063	4,064227	4,1883317	4,251045333	0,06271367	1,044428453	Olfr1016
17457956	4,489416	4,05958	4,008697	4,323413	4,304077	4,118395	4,1858977	4,248628333	0,06273067	1,044444076	2010310C07Rik
17372735	4,24016	4,136144	4,199076	4,331609	4,324205	4,107783	4,1917933	4,254532333	0,062739	1,044446793	---
17250105	4,727072	4,533211	4,812365	4,747857	4,831394	4,681652	4,6908827	4,753634333	0,06275167	1,044455964	Olfr314
17355935	6,049742	5,736555	5,986794	5,868067	6,27501	5,818284	5,9243637	5,987120333	0,06275667	1,044459583	Mtl5
17369867	8,883486	8,722685	8,451102	8,896085	8,795141	8,554338	8,6857577	8,748521333	0,06276367	1,044464651	---
17469181	4,246814	3,887148	3,792312	4,019237	4,028564	4,0668	3,9754247	4,038200333	0,06277567	1,044473339	---
17241030	3,313009	3,062523	3,361304	3,387242	3,235085	3,302891	3,245612	3,308406	0,062794	1,044486612	---
17336939	7,687963	7,654897	7,496113	7,723353	7,577608	7,726407	7,612991	7,675789333	0,06279833	1,044489749	Abhd16a
17542948	6,48884	6,490273	6,21268	6,483501	6,48016	6,416553	6,3972643	6,460071333	0,062807	1,044496024	Prrg1
17509212	4,296997	3,931147	4,2415	4,174986	4,251286	4,231797	4,156548	4,219356333	0,06280833	1,044496989	---
17514838	5,010558	5,239185	5,164236	5,104363	5,239083	5,258966	5,137993	5,200804	0,062811	1,04449892	5830418K08Rik // 5830418K08Rik
17223069	9,144373	9,171062	9,006516	9,138082	9,198492	9,17382	9,107317	9,170131333	0,06281433	1,044501333	Stk17b
17404245	5,623684	5,608533	5,586694	5,653628	5,668981	5,684955	5,6063037	5,669188	0,06288433	1,044552014	Cyp7b1
17300947	6,026402	5,738232	6,044855	5,972188	6,105755	5,920212	5,9364963	5,999385	0,06288867	1,044555151	3110083C13Rik
17472313	3,252524	3,34786	3,260788	3,412548	3,319439	3,317881	3,2870573	3,349956	0,06289867	1,044562391	Rergl
17543069	4,2751	3,859212	4,040507	4,175204	4,075035	4,113291	4,058273	4,121176667	0,06290367	1,044566012	Mageb4
17251001	5,131512	5,294546	5,488718	5,463736	5,298152	5,341628	5,3049253	5,367838667	0,06291333	1,044573011	Myh2
17459344	5,97662	6,101999	6,128379	6,064753	6,210653	6,120341	6,0689993	6,131915667	0,06291633	1,044575183	---
17366183	7,98705	7,88631	7,276096	7,843933	7,529334	7,964948	7,7164853	7,779405	0,06291967	1,044577596	---
17346210	6,242393	6,317391	6,521525	6,526035	6,386219	6,357888	6,3604363	6,423380667	0,06294433	1,044595456	Ticam1
17401066	5,432966	5,526299	5,457485	5,547826	5,58013	5,477665	5,47225	5,535207	0,062957	1,044604628	Ngf
17250511	7,963729	8,065157	7,89486	7,945832	8,016273	8,15054	7,974582	8,037548333	0,06296633	1,044611386	Smcr8
17526307	5,028925	4,782909	4,895714	4,918983	4,82823	5,149343	4,902516	4,965518667	0,06300267	1,044637694	Gm10023
17207907	3,146231	2,644673	2,8558	3,340138	2,610212	2,885363	2,8822347	2,945237667	0,063003	1,044637935	---

17540739	7,376448	6,519588	5,882322	7,15335	5,861537	6,952509	6,592786	6,655798667	0,06301267	1,044644935	Gm2012
17543027	4,478528	4,074712	4,012053	4,199795	4,354999	4,199546	4,188431	4,251446667	0,06301567	1,044647107	4930595M18Rik
17212309	3,86116	4,098817	3,978005	3,980272	4,282923	3,863863	3,9793273	4,042352667	0,06302533	1,044654107	---
17320486	6,85258	6,77888	6,860925	6,801358	6,960542	6,919562	6,830795	6,893820667	0,06302567	1,044654348	Odf3b
17496853	4,410018	4,422752	4,639335	4,40914	4,510208	4,741842	4,4907017	4,55373	0,06302833	1,044656279	4931431B13Rik
17357183	9,435698	9,729748	9,453692	9,599705	9,588055	9,620495	9,5397127	9,602751667	0,063039	1,044664003	Nxf1
17463662	2,989178	2,849182	3,046314	2,994091	3,113735	2,965971	2,961558	3,024599	0,063041	1,044665451	Gm5885
17442282	6,311368	5,994632	5,974602	6,372548	6,037528	6,059675	6,093534	6,156583667	0,06304967	1,044671726	---
17317192	5,156214	5,109862	5,359895	5,233319	5,197902	5,383983	5,208657	5,271734667	0,06307767	1,044692002	---
17212138	8,323744	8,39394	8,185483	8,3881	8,469489	8,234883	8,3010557	8,364157333	0,06310167	1,044709381	Map4k4
17486390	6,198619	5,695926	5,096707	5,477877	5,944407	5,758316	5,6637507	5,726866667	0,063116	1,04471976	Vmn2r51
17310565	5,098891	4,94233	5,062506	4,982603	4,99177	5,318704	5,0345757	5,097692333	0,06311667	1,044720243	Cdh18
17470533	4,505708	4,470397	4,500371	4,51858	4,487498	4,659792	4,4921587	4,55529	0,06313133	1,044730864	Klrg1
17303339	4,19613	4,105736	4,061139	4,269398	4,200437	4,082571	4,1210017	4,184135333	0,06313367	1,044732554	---
17400630	6,283371	6,248814	6,246904	6,228986	6,322414	6,417143	6,2596963	6,322847667	0,06315133	1,044745347	Rbm8a
17456584	10,22641	10,199	10,24958	10,2903	10,33177	10,24247	10,224997	10,28818	0,06318333	1,04476852	Calu
17445467	4,294239	4,336902	4,276412	4,313426	4,466185	4,317496	4,3025177	4,365702333	0,06318467	1,044769486	Adam22
17260959	6,384089	6,476277	6,563181	6,412989	6,494189	6,705944	6,4745157	6,537707333	0,06319167	1,044774555	Otx1
17457330	10,78771	10,57953	10,53691	10,56067	10,74401	10,78908	10,634717	10,69792	0,06320333	1,044783004	Akr1d1
17203283	6,173804	6,077539	6,38833	6,361159	6,242054	6,226087	6,2132243	6,276433333	0,063209	1,044787108	---
17207735	3,280396	3,472504	3,590629	3,552541	3,986077	2,994612	3,447843	3,511076667	0,06323367	1,044804971	---
17516957	3,580652	3,589598	3,38048	3,49925	3,664988	3,576207	3,51691	3,580148333	0,06323833	1,044808351	Gm4791
17278180	5,989218	5,964103	6,4361	6,013591	6,454493	6,11106	6,129807	6,193048	0,063241	1,044810282	Fam181a
17426628	3,397777	3,458727	3,609783	3,359712	3,762264	3,534082	3,4887623	3,552019333	0,063257	1,04482187	---
17340232	9,761997	9,868319	9,800056	9,784078	9,946136	9,889949	9,810124	9,873387667	0,06326367	1,044826698	Cript
17527421	7,322695	7,260486	7,301914	7,352905	7,480344	7,241645	7,2950317	7,358298	0,06326633	1,044828629	Tspan3
17549256	6,580418	6,492012	6,745313	6,917572	6,685329	6,404705	6,6059143	6,669202	0,06328767	1,044844079	---
17549300	6,580418	6,492012	6,745313	6,917572	6,685329	6,404705	6,6059143	6,669202	0,06328767	1,044844079	---
17208227	5,461353	6,882077	6,552332	6,999178	6,013581	6,072922	6,2985873	6,361893667	0,06330633	1,044857598	---
17418043	5,463142	5,448912	5,573226	5,742568	5,639113	5,293526	5,4950933	5,558402333	0,063309	1,04485953	Rims3
17352981	9,029375	9,593004	8,992034	8,977971	9,136197	9,690183	9,2048043	9,268117	0,06331267	1,044862185	---
17547846	6,392242	6,633559	6,51867	6,643106	6,473945	6,61736	6,5148237	6,578137	0,06331333	1,044862668	Entpd4 // Entpd4
17405660	3,094081	3,058279	3,175971	3,243843	3,144224	3,130289	3,1094437	3,172785333	0,06334167	1,044883188	---
17213462	4,488973	4,889003	4,731215	4,785854	4,748816	4,764558	4,7030637	4,766409333	0,06334567	1,044886085	Cd28
17495262	8,117202	8,225043	8,068555	8,125875	8,214536	8,260439	8,1369333	8,200283333	0,06335	1,044889224	Rras2
17301192	6,122314	6,031411	6,217327	6,301897	6,28285	5,976357	6,123684	6,187034667	0,06335067	1,044889707	Defb47
17471473	6,24407	6,239444	6,154583	6,139136	6,505527	6,183553	6,212699	6,276072	0,063373	1,044905882	BC035044 // BC035044
17453179	9,635452	9,536813	9,508177	9,648006	9,611283	9,611283	9,5601473	9,623524	0,06337667	1,044908538	Asl
17208125	8,583946	8,335489	8,481392	8,643879	8,537642	8,409484	8,4669423	8,530335	0,06339267	1,044920126	---
17280493	10,81318	11,12333	11,10268	11,12161	10,9852	11,12257	11,013063	11,07646	0,06339667	1,044923023	---
17328842	6,051992	5,764892	6,066832	5,997021	5,981829	6,095086	5,9612387	6,024645333	0,06340667	1,044930266	Prodh
17449084	10,65281	10,84263	10,73729	10,88963	10,7766	10,75683	10,744243	10,80768667	0,06344333	1,044956824	Igfbp7
17254662	5,933565	6,031212	6,035327	5,898639	5,987273	6,304543	6,0000347	6,063485	0,06345033	1,044961894	Ptrh2
17219470	11,80239	11,52719	11,59808	11,6442	11,94702	11,5268	11,642553	11,70600667	0,06345333	1,044964067	---
17239539	4,421616	4,397724	4,798411	4,446981	4,942973	4,418235	4,5392503	4,602729667	0,06347933	1,044982899	Hebp2
17276040	9,51215	9,517053	9,419556	9,401048	9,718095	9,520173	9,4829197	9,546438667	0,063519	1,045011631	Actr10
17509274	6,9584	6,9592	6,760799	7,01031	6,956973	6,901684	6,8927997	6,956322333	0,06352267	1,045014287	Ing2
17286271	9,366537	9,277677	9,292988	9,403256	9,455791	9,268753	9,3124007	9,375933333	0,06353267	1,045021531	Agtr1a
17299908	4,345431	4,212193	3,86354	4,323757	4,101742	4,186296	4,140388	4,203931667	0,06354367	1,045029499	---
17373382	8,31448	8,478739	8,190213	8,301784	8,457088	8,415254	8,3278107	8,391375333	0,06356467	1,04504471	Arhgap1
17343918	10,68361	10,98022	10,66657	10,82299	10,86763	10,83062	10,7768	10,84041333	0,06361333	1,045079964	C4b
17315669	9,573789	9,489717	9,346148	9,54567	9,468946	9,585924	9,4698847	9,533513333	0,06362867	1,045091071	AW549877
17266436	5,568761	5,93696	5,952497	5,864246	5,85178	5,933097	5,819406	5,883041	0,063635	1,045095659	Slc13a2
17522865	4,360432	4,356202	4,399318	4,62858	4,375826	4,302491	4,371984	4,435632333	0,06364833	1,045105318	---
17520560	10,0409	9,87808	9,907365	9,785596	9,96755	10,26418	9,942115	10,00577533	0,06366033	1,045114011	Tfdp2
17208073	3,178479	3,075116	3,095676	3,107753	3,347937	3,084584	3,1164237	3,180091333	0,06366767	1,045119323	---
17377566	3,698339	3,569625	3,720038	3,858755	3,677269	3,643011	3,6626673	3,726345	0,06367767	1,045126567	---
17392815	3,698339	3,569625	3,720038	3,858755	3,677269	3,643011	3,6626673	3,726345	0,06367767	1,045126567	---
17427796	4,288892	4,236156	4,549381	4,431764	4,319331	4,514371	4,358143	4,421822	0,063679	1,045127533	---
17313862	8,606535	8,440769	8,58988	8,671031	8,562489	8,594746	8,545728	8,609422	0,063694	1,0451384	Ppara
17350351	5,106992	5,144045	5,544265	5,397491	5,343088	5,245816	5,2651007	5,328798333	0,06369767	1,045141056	1700018A14Rik
17495909	6,830666	6,794368	6,988447	6,771605	7,243878	6,789105	6,8711603	6,934862667	0,06370233	1,045144437	Ears2
17471565	4,331356	4,691413	4,082728	4,439977	4,507663	4,348965	4,368499	4,432201667	0,06370267	1,045144678	Klrk1
17417082	2,990552	3,087218	3,019139	2,934751	3,20452	3,148771	3,032303	3,096014	0,063711	1,045150715	Skint11
17227320	8,448965	8,439775	8,371489	8,42785	8,534217	8,489309	8,4200763	8,483792	0,06371567	1,045154096	Ipo9
17341595	6,291979	6,426648	6,522378	6,510184	6,467037	6,455005	6,4136683	6,477408667	0,06374033	1,045171966	Kremen2
17415340	6,4049	6,028509	6,322943	6,270871	6,32384	6,352893	6,2521173	6,315868	0,06375067	1,045179452	Gm13288 // Gm13288
17549012	4,866817	5,044731	5,002331	4,927522	5,226322	4,951303	4,971293	5,035049	0,063756	1,045183316	---
17457977	4,351216	4,065326	4,270273	4,140365	4,445725	4,292048	4,2289383	4,292712667	0,06377433	1,045196598	Olfr449
17455496	6,438271	6,868735	6,254585	6,775258	6,854029	6,123654	6,5205303	6,584313667	0,06378333	1,045203118	---
17219764	4,2576	3,738471	3,904781	3,918815	4,332814	3,840578	3,9669507	4,030735667	0,063785	1,045204325	Olfr220
17348202	7,331506	7,400013	7,336559	7,45094	7,400341	7,408159	7,356026	7,419813333	0,06378733	1,045206016	Zeb1
17321582	5,568255	5,513177	5,616316	5,507465	5,855427	5,526253	5,565916	5,629715	0,063799	1,045214468	Faim2
17519898	8,008592	7,726009	7,748071	7,877672	7,915078	7,881323	7,8275573	7,891357667	0,06380033	1,045215434	Sh3bgrl2
17322369	8,267021	8,216183	8,130596	8,316925	8,291427	8,196853	8,2046	8,268401667	0,06380167	1,0452164	Itga5
17501940	6,460295	6,400601	6,622215	6,485991	6,685073	6,503479	6,4943703	6,558181	0,06381067	1,04522292	Crlf1
17324542	4,179195	4,035931	4,05826	4,146553	4,340784	3,977483	4,0911287	4,15494	0,06381133	1,045223403	Il1rap
17502414	8,118998	8,06557	7,965479	8,138807	8,290059	7,912677	8,0500157	8,113847667	0,063832	1,045238376	Fam32a
17494467	4,050101	3,942673	3,734944	4,364821	3,735284	3,819122	3,9092393	3,973075667	0,06383633	1,045241516	Olfr684
17212778	5,940482	5,708243	5,712212	5,849822	5,814996	5,887699	5,786979	5,850839	0,06386	1,045258663	Tmem194b
17200183	4,318049	4,339154	4,331464	4,698343	3,846453	4,635519	4,3295557	4,393438333	0,06388267	1,045275085	---
17447757	8,664063	8,743197	8,648381	8,775484	8,757759	8,714048	8,6852137	8,749097	0,06388333	1,045275568	Bod1l
17413458	6,760333	6,514873	6,619296	6,717741	6,547913	6,82056	6,6315007	6,695404667	0,063904	1,045290542	Hrct1
17301835	3,509016	3,534845	3,381607	3,627837	3,423	3,566362	3,475156	3,539066333	0,06391033	1,045295131	Gm4251
17326922	4,795129	4,662276	4,752242	4,672161	4,807967	4,921292	4,736549	4,800473333	0,06392433	1,045305274	Krtap15
17461473	5,436913	5,227055	5,371412	5,439673	5,522255	5,265281	5,3451267	5,409069667	0,063943	1,045318799	1700054K19Rik
17351873	5,164656	4,57202	4,848552	5,107516	4,860629	4,808941	4,8617427	4,925695333	0,06395267	1,045325804	Gm10532
17354981	4,427307	4,830217	4,887209	4,731402	4,774109	4,831087	4,714911	4,778866	0,063955	1,045327494	1700091E21Rik
17408161	4,40433	4,156313	4,157109	4,196923	4,395302	4,317403	4,2392507	4,303209333	0,06395867	1,045330151	---
17405669	10,16911	10,15203	10,02563	10,20454	10,19089	10,14328	10,11559	10,17957	0,06398	1,045345609	---
17342887	3,778427	3,763978	3,844255	3,722874	3,972962	3,882912	3,7955533	3,859582667	0,06402933	1,045381355	---
17343568	6,35872	6,365054	6,306493	6,362631	6,546093	6,313633	6,3434223	6,407452333	0,06403	1,045381838	Zfp101
17394529	4,295699	4,042949	4,254879	4,101617	4,425334	4,258688	4,1978423	4,261879667	0,06403733	1,045387152	---
17255871	4,663373	4,609065	4,820347	4,694754	4,832483	4,757675	4,697595	4,761637333	0,06404233	1,045390775	---
17394740	5,772573	5,751288	5,917001	5,799383	6,022386	5,81122	5,8136207	5,877663	0,06404233	1,045390775	Fam65c
17486474	4,264948	4,476087	4,412077	4,480354	4,729466	4,135441	4,3843707	4,448420333	0,06404967	1,045396089	Zscan4b
17201087	8,655681	8,807041	8,674568	8,635496	8,866175	8,827797	8,71243	8,776489333	0,06405933	1,045403093	---
17234423	5,885624	5,960867	5,739542	5,799047	5,965456	6,013733	5,862011	5,926078667	0,06406767	1,045409132	Derl3
17501609	8,083369	8,104812	8,07663	8,146438	8,184615	8,125973	8,0882703	8,152342	0,06407167	1,04541203	Ints10
17494651	7,847677	8,967131	7,832287	8,478273	8,339068	8,022023	8,2156983	8,279788	0,06408967	1,045425074	Gm8989 // Gm8989
17427554	4,288262	4,223361	4,503323	4,312009	4,57387	4,321385	4,3383153	4,402421333	0,064106	1,045436909	---
17475757	4,115872	4,323322	4,270451	4,236326	4,396111	4,269588	4,2365483	4,300675	0,06412667	1,045451885	9530053A07Rik
17468710	12,5617	12,4096	12,31542	12,51532	12,52744	12,43634	12,428907	12,49303333	0,06412667	1,045451885	---
17495869	6,98434	7,246132	7,174552	7,231752	7,299938	7,065747	7,135008	7,199145667	0,06413767	1,045459857	Cog7
17422732	7,724703	7,828104	7,581378	7,878325	7,65966	7,788648	7,711395	7,775544333	0,06414933	1,045468311	Mxra8
17204295	5,332885	4,573421	4,921574	4,77035	4,958677	5,291349	4,9426267	5,006792	0,06416533	1,045479906	---
17257146	6,035906	6,183332	6,316991	6,147181	6,220573	6,360994	6,178743	6,242916	0,064173	1,045485462	Rpmll
17352527	4,523208	4,408621	4,666246	4,661478	4,59686	4,532281	4,5326917	4,596873	0,06418133	1,0454915	Armc4
17288946	2,9963	2,896201	2,985615	3,05179	3,046401	2,97252	2,959372	3,023570333	0,06419833	1,04550382	Mir9-2 // Mir9-2 // Mir9-2
17407334	7,899092	8,013319	8,208651	8,134578	8,207448	7,971656	8,040354	8,104560667	0,06420667	1,045509859	---
17366536	7,358215	7,307484	7,393887	7,55917	7,262233	7,430865	7,3531953	7,417422667	0,06422733	1,045524836	Ccdc3
17294086	6,606481	6,435097	6,321568	6,668862	6,511778	6,375222	6,454382	6,518620667	0,06423867	1,04553305	Adcy2
17269995	5,110935	4,770157	4,995564	4,803519	5,101863	5,164009	4,9588853	5,023130333	0,064245	1,045537639	Mpp3
17328937	9,496776	9,656578	9,322965	9,571528	9,517273	9,580343	9,4921063	9,556381333	0,064275	1,045559381	Comt
17280191	5,436231	5,182652	5,460233	5,378714	5,311141	5,582202	5,3597053	5,424019	0,06431367	1,045587404	---
17542149	6,540642	6,481295	6,291777	6,49825	6,43417	6,574268	6,4379047	6,502229333	0,06432467	1,045595376	Ids
17237559	4,457697	4,457697	4,43237	4,601317	4,276086	4,663343	4,4492547	4,513582	0,06432733	1,045597309	4933411E08Rik
17330095	3,411639	3,755718	3,972407	3,739341	3,70101	3,892402	3,7132547	3,777584333	0,06432967	1,045599	---
17541065	4,585992	4,589427	4,659884	4,90433	4,482147	4,641824	4,6117677	4,676100333	0,06433267	1,045601174	---
17361338	8,429114	8,436171	8,486998	8,529035	8,401106	8,615162	8,450761	8,515101	0,06434	1,045606489	Rbm4
17548948	5,780077	5,683755	5,844974	5,751895	5,740853	6,00908	5,769602	5,833942667	0,06434067	1,045606972	Gpatch2
17430930	7,382802	7,483224	7,07417	7,422141	7,420845	7,290257	7,3133987	7,377747667	0,064349	1,045613012	Stx12
17525856	4,554656	4,351463	4,810058	4,522543	4,813932	4,572761	4,572059	4,636412	0,064353	1,045615911	Crtam
17329710	6,763842	6,797905	6,888273	6,813303	6,958526	6,871256	6,8166733	6,881028333	0,064355	1,045617361	AI480653
17525993	8,327167	8,262584	8,328238	8,201978	8,495261	8,413835	8,3059963	8,370358	0,06436167	1,045622193	Tbcel
17424032	3,35017	3,715664	3,87005	3,663893	3,735241	3,729854	3,6452947	3,709662667	0,064368	1,045626783	---
17505082	7,646082	7,80315	7,964145	7,83766	7,902003	7,866824	7,804459	7,868829	0,06437	1,045628232	Prmt7
17435499	4,253525	4,132306	4,307404	4,024506	4,411613	4,450234	4,2310783	4,295451	0,06437267	1,045630165	Cct8l1
17435636	4,502408	4,424856	4,159383	4,503593	4,406081	4,370091	4,3622157	4,426588333	0,06437267	1,045630165	Shh // Shh
17417407	5,628266	5,967844	5,257236	5,403665	5,709298	5,933506	5,617782	5,682156333	0,06437433	1,045631373	Pik3r3
17458362	7,304937	7,524201	7,317341	7,4707	7,378267	7,490697	7,3821597	7,446554667	0,064395	1,045646352	Gimap4
17548543	5,881474	5,673312	5,750721	5,916681	5,806142	5,77592	5,7685023	5,832914333	0,064412	1,045658673	2610209C05Rik
17339967	6,067832	5,693379	5,654969	5,75703	5,78949	6,062925	5,8053933	5,869815	0,06442167	1,04566568	Tmem178
17386751	4,278995	4,267147	4,368957	4,201331	4,346888	4,560185	4,305033	4,369468	0,064435	1,045675344	Cyct

17229257	7,339484	6,838122	7,268668	7,278555	7,185159	7,175917	7,148758	7,213210333	0,06445233	1,045687907	---
17468007	7,092623	6,964287	7,166855	7,119003	7,161676	7,13649	7,0745883	7,139056333	0,064468	1,045699263	Pole4
17488151	4,069671	4,45854	4,41391	4,326697	4,350266	4,458618	4,3140403	4,378527	0,06448667	1,045712793	Mia1
17434488	3,026479	2,954886	3,088769	3,248614	3,063696	2,951375	3,023378	3,087895	0,064517	1,04573478	---
17382613	10,06988	9,945157	9,903073	9,931794	10,09667	10,08322	9,9727033	10,037228	0,06452467	1,045740337	C8g
17460775	4,665149	4,820566	4,591146	4,619387	4,830687	4,820365	4,692287	4,756813	0,064526	1,045741303	BC048671
17254305	8,04038	8,120884	7,803384	7,950158	8,200499	8,00758	7,988216	8,052745667	0,06452967	1,045743961	Heatr6
17391665	6,717725	6,531174	6,758363	6,739277	6,718293	6,743286	6,6690873	6,733618667	0,06453133	1,045745169	Avp
17224254	2,967818	3,184542	2,856031	2,970683	3,04308	3,18827	3,002797	3,067344333	0,06454733	1,045756767	Mir1928 // Mir1928
17285204	7,599531	7,591647	7,371304	7,474256	7,718017	7,563857	7,5208273	7,585376667	0,06454933	1,045758217	Ero1lb
17295482	6,794336	7,226058	7,19929	7,067935	7,158732	7,186723	7,073228	7,137796667	0,06456867	1,045772231	Mtap1b
17366204	6,459246	6,019997	5,936849	6,625109	5,995553	5,989167	6,1386973	6,203276333	0,064579	1,045779721	---
17260331	7,226711	7,318531	7,310245	7,341316	7,455874	7,252081	7,2851623	7,349757	0,06459467	1,045791078	Ddx56
17398152	8,388769	8,538285	8,296898	8,295007	8,56592	8,556899	8,407984	8,472608667	0,06462467	1,045812824	Gfm1
17406682	6,221967	5,992726	6,158721	6,195694	6,087391	6,284243	6,1244713	6,189109333	0,064638	1,04582249	1700113A16Rik
17476657	8,879056	8,605625	8,950882	8,992533	8,834048	8,802904	8,8118543	8,876495	0,06464067	1,045824423	Gm5325
17442173	5,244715	5,197922	5,181888	5,214668	5,382131	5,221734	5,208175	5,272844333	0,06466933	1,045845204	A930024E05Rik
17265781	4,159435	4,197412	4,280641	4,039462	4,054189	4,737925	4,212496	4,277192	0,064696	1,045864535	Olfr382
17320851	4,146765	4,090086	3,907934	4,070568	3,979319	4,288999	4,0482617	4,112962	0,06470033	1,045867677	A130051J06Rik
17523705	5,110791	5,056489	5,083393	5,187603	5,190577	5,066708	5,0835577	5,148296	0,06473833	1,045895225	Gria4
17527511	6,906957	6,802707	6,957914	7,16554	6,815301	6,881054	6,8891927	6,953965	0,06477233	1,045919874	Ppcdc
17452741	7,683185	7,743822	7,688027	7,699482	7,786323	7,823583	7,7050113	7,769796	0,06478467	1,045928815	Pitpnm2
17327539	6,382209	5,976659	6,562417	6,425585	6,311895	6,378181	6,307095	6,371887	0,064792	1,045934132	Pcp4
17270110	8,177528	8,672503	8,932772	8,847648	8,722881	8,406651	8,5942677	8,65906	0,06479233	1,045934373	---
17240608	6,715802	6,799855	6,523794	6,734882	6,626712	6,872237	6,679817	6,744610333	0,06479333	1,045935098	Qrsl1
17330076	4,805992	4,60806	4,602203	4,763587	4,836359	4,610712	4,672085	4,736886	0,064801	1,045940657	1600019K03Rik
17345677	5,312513	5,369409	5,985288	5,743336	5,374552	5,743816	5,5557367	5,620568	0,06483133	1,045962648	1700001C19Rik
17217596	6,067081	5,581263	5,61871	5,893874	5,774208	5,793486	5,7556847	5,820522667	0,064838	1,045967482	Lmod1
17225191	6,308906	6,39591	6,522861	6,575381	6,393578	6,453278	6,4092257	6,474079	0,06485333	1,045978599	Nppc
17222156	7,875745	7,855945	7,808765	7,877247	7,845872	8,011929	7,8468183	7,911682667	0,06486433	1,045986574	Kansl3
17245661	5,949851	5,72933	6,023127	6,054626	5,888484	5,953798	5,9007693	5,965636	0,06486667	1,045988265	---
17203889	6,12387	5,629611	5,894928	6,54978	5,500607	5,792638	5,882803	5,947675	0,064872	1,045992132	---
17492905	6,341377	6,360208	6,228642	6,281688	6,383893	6,45927	6,3100757	6,374950333	0,06487467	1,045994066	Il16
17342018	6,201624	5,973539	6,308355	6,329728	6,07829	6,270125	6,1611727	6,226047667	0,064875	1,045994307	Rnf151
17238652	3,060627	3,062129	3,123178	3,082778	3,408923	2,948869	3,081978	3,146856667	0,06487867	1,045996966	---
17527433	8,225216	8,265374	8,003856	8,345172	8,236476	8,107464	8,1648153	8,229704	0,06488867	1,046004216	C230081A13Rik
17300018	6,91773	6,824715	6,632056	7,00031	6,742655	6,826203	6,7915003	6,856389333	0,064889	1,046004458	---
17399237	8,282595	8,406947	8,309411	8,4263	8,430027	8,337352	8,3329843	8,397893	0,06490867	1,046018717	Ash1l
17519550	5,314505	5,271578	4,993714	5,407118	5,139002	5,228407	5,1932657	5,258175667	0,06491	1,046019684	Hmgcll1
17343371	8,794976	8,873646	8,74992	8,891939	8,896503	8,824848	8,8061807	8,871096667	0,064916	1,046024034	Akap8
17353758	4,792792	4,957173	4,906981	5,093112	4,993763	4,764898	4,8856487	4,950591	0,06494233	1,046043127	Dnd1
17404896	5,935946	6,206785	5,949213	6,079559	6,160511	6,046713	6,030648	6,095594333	0,06494633	1,046046027	Cetn4
17527666	4,185987	4,160643	4,425704	4,240415	4,509929	4,216835	4,2574447	4,322393	0,06494833	1,046047477	Islr2
17332730	5,295104	5,520561	5,510544	5,548298	5,542756	5,430005	5,4420697	5,507019667	0,06495	1,046048686	1700102H20Rik
17359473	7,283702	7,417445	7,435534	7,458448	7,607508	7,2656	7,3788937	7,443852	0,06495833	1,046054728	Mms19
17460451	6,976115	6,752232	7,168516	7,002696	7,160734	6,928311	6,965621	7,030580333	0,06495933	1,046055453	1600020E01Rik
17386591	8,869725	8,811976	8,727418	8,866518	8,803329	8,934159	8,8030397	8,868002	0,06496233	1,046057628	Atf2
17302724	10,83317	10,92615	10,94993	10,95279	11,09544	10,85594	10,903083	10,96805667	0,06497333	1,046065604	Dnajc3
17351109	3,215633	3,235382	3,422356	3,604174	3,21391	3,250226	3,2911237	3,356103333	0,06497967	1,046070196	Mir378 // Mir378
17444346	6,670641	6,76207	6,720222	6,806562	6,773733	6,767611	6,7176443	6,782635333	0,064991	1,046078414	Daglb
17461807	7,022477	7,155297	6,966715	7,169873	7,085529	7,08406	7,048163	7,113154	0,064991	1,046078414	Irak2
17380496	9,480392	9,653482	9,699919	9,756104	9,571996	9,700691	9,6112643	9,676263667	0,06499933	1,046084456	Gm14431 // Gm14431
17457674	3,178591	3,021064	3,154488	3,254577	3,020582	3,274018	3,1180477	3,183059	0,06501133	1,046093158	---
17267546	6,485808	6,084443	6,416169	6,415122	6,448887	6,317585	6,3288067	6,393864667	0,065058	1,046126996	Dynll2
17548842	3,644528	3,604598	3,796548	3,690252	3,801926	3,748681	3,6818913	3,746953	0,06506167	1,046129655	Gm5636
17246146	6,400882	6,230328	6,287439	6,392853	6,40689	6,314114	6,3062163	6,371285667	0,06506933	1,046135214	Myl6
17424381	5,760046	5,278702	6,030236	6,011413	5,526955	5,725885	5,6896613	5,754751	0,06508967	1,046149958	---
17424428	5,760046	5,278702	6,030236	6,011413	5,526955	5,725885	5,6896613	5,754751	0,06508967	1,046149958	---
17434084	5,760046	5,278702	6,030236	6,011413	5,526955	5,725885	5,6896613	5,754751	0,06508967	1,046149958	---
17447254	5,053473	4,810544	5,352808	5,197069	5,141753	5,073285	5,072275	5,137369	0,065094	1,046153101	---
17286311	4,294745	4,017988	4,166934	4,294745	4,080792	4,299432	4,159889	4,224989667	0,06510067	1,046157935	---
17250097	4,322001	4,370657	4,73456	4,42276	4,533596	4,666168	4,4757393	4,540841333	0,065102	1,046158902	Olfr316
17258912	7,00177	6,573351	6,917799	6,822422	6,851388	7,014437	6,8309733	6,896082333	0,065109	1,046163978	Engase
17526421	10,47555	10,60838	10,4818	10,45048	10,73435	10,57623	10,52191	10,58702	0,06511	1,046164703	Atp5l
17367903	8,355941	8,019605	8,516264	8,286183	8,443398	8,357564	8,29727	8,362381667	0,06511167	1,046165911	---
17381555	7,325859	7,36376	7,506468	7,41226	7,561224	7,417957	7,3986957	7,463813667	0,065118	1,046170504	Taf3
17319289	8,403625	8,366162	8,345626	8,511319	8,503361	8,296122	8,3718043	8,436934	0,06512967	1,046178964	Josd1
17314604	5,471967	5,313755	5,769051	5,705484	5,470048	5,574642	5,5182577	5,583391333	0,06513367	1,046181865	AI836003
17263394	3,976195	3,790735	4,274054	4,272794	3,975239	3,988382	4,0136613	4,078805	0,06514367	1,046189116	Prss38
17367659	4,808517	4,863244	4,989641	4,923214	4,934349	4,999349	4,887134	4,952304	0,06517	1,046208212	Il1f6
17218139	6,820652	6,418984	6,846655	6,518563	6,972577	6,79068	6,6954303	6,760606667	0,06517633	1,046212805	C730036E19Rik
17206417	5,435479	5,175916	4,42306	5,234573	5,258871	4,736544	5,011485	5,076662667	0,06517767	1,046213772	---
17224783	4,467514	4,675761	5,040843	4,712984	4,654609	5,012075	4,7280393	4,793222667	0,06518333	1,046217882	Fam124b
17245323	4,985528	4,651803	4,957229	4,819906	5,04586	4,92437	4,8648533	4,930045333	0,065192	1,046224166	Gm9049
17288114	4,331311	4,345109	4,928008	4,546151	4,726573	4,527283	4,5348093	4,600002333	0,065193	1,046224892	---
17294565	4,431829	4,508195	4,399401	4,478019	4,505659	4,551482	4,446475	4,51172	0,065245	1,046262602	Gpr98
17496253	9,099119	8,988352	9,18934	9,20249	9,112982	9,157076	9,0922703	9,157516	0,06524567	1,046263086	Atxn2l
17369627	7,784577	8,027576	7,989759	8,108603	7,824974	8,064085	7,9339707	7,999220667	0,06525	1,046266228	Nup214
17234691	3,989052	4,089692	3,857431	3,912268	4,056827	4,162855	3,978725	4,043983333	0,06525833	1,046272272	Sumo3
17329525	3,384992	3,541772	3,191066	3,431849	3,793601	3,088157	3,37261	3,437869	0,065259	1,046272755	Mir690
17459890	9,062105	9,242829	9,77592	9,674231	9,118565	9,483859	9,3602847	9,425551667	0,065267	1,046278557	---
17388041	8,987888	8,988746	8,783391	8,937022	8,955228	9,063814	8,9200083	8,985354667	0,06534633	1,046336093	Ptprj
17219448	10,58735	10,693	10,60708	10,63287	10,80872	10,64193	10,629143	10,69450667	0,06536333	1,046348423	Copa
17393839	5,849254	6,089513	6,275341	6,184042	6,143525	6,08264	6,0713693	6,136735667	0,06536633	1,046350598	9430008C03Rik
17476372	5,610536	5,738335	5,676705	5,706102	5,80453	5,711058	5,675192	5,740563333	0,06537133	1,046354225	Nfkbid
17424331	4,598837	4,436742	4,954052	4,549886	4,987272	4,648617	4,6632103	4,728591667	0,06538133	1,046361478	Ccl27a
17475731	4,371961	4,315374	4,547854	4,517657	4,428421	4,485301	4,4117297	4,477126333	0,06539667	1,046372599	---
17345955	4,360705	4,150743	4,203049	4,386239	4,220082	4,304405	4,2381657	4,303575333	0,06540967	1,046382028	Efhb
17531286	4,869882	5,37612	5,528492	5,643142	5,216098	5,111513	5,2581647	5,323584333	0,06541967	1,046389281	Plxnb1
17321860	4,976894	4,929682	5,276537	5,471152	4,923946	4,98428	5,0610377	5,126459333	0,06542167	1,046390731	5430421N21Rik
17360863	4,359193	4,422174	4,740979	4,633931	4,679566	4,405127	4,5074487	4,572874667	0,065426	1,046393874	E330013P04Rik
17357934	4,7121	4,528589	4,448599	4,775898	4,522145	4,587526	4,563096	4,628523	0,065427	1,046394599	Olfr1490
17359088	4,305798	4,347132	4,55238	4,556472	4,412891	4,432228	4,40177	4,467197	0,065427	1,046394599	Cyp26a1
17277270	8,10995	7,958828	8,046343	8,266187	7,988564	8,056689	8,0383737	8,103813333	0,06543967	1,046403787	Lin52
17478823	4,390557	4,287023	4,561697	4,38768	4,541868	4,506079	4,4130923	4,478542333	0,06545	1,046411282	Trpm1
17329236	8,867836	8,775228	8,94647	8,861187	9,021005	8,90371	8,863178	8,928634	0,065456	1,046415633	Tmem41a
17229756	4,240972	4,021472	4,104383	4,204009	4,275879	4,083336	4,1222757	4,187741333	0,06546567	1,046422645	Itln1
17387894	3,072061	3,274239	3,308379	3,101459	3,482387	3,267285	3,2182263	3,283710333	0,065484	1,046435943	Olfr1221
17238665	3,860969	3,991401	3,973003	4,237855	3,953417	3,830554	3,941791	4,007275333	0,06548433	1,046436184	Olfr786
17342829	5,798396	6,112877	6,026063	6,043838	6,11562	5,974376	5,979112	6,044611333	0,06549933	1,046447064	Tead3
17496251	6,136433	6,345308	6,354974	6,513415	6,304259	6,215569	6,278905	6,344414333	0,06550933	1,046454318	LOC100861803
17240005	7,373887	7,397635	7,443077	7,405221	7,48699	7,519025	7,4048663	7,470412	0,06554567	1,046480673	Rnf146
17548946	11,71158	11,65061	11,45722	11,58417	11,64354	11,78836	11,60647	11,67202333	0,06555333	1,046486234	H3f3b // H3f3b
17532341	4,455948	4,798259	4,799725	4,967817	4,61174	4,671037	4,684644	4,750198	0,065554	1,046486717	Lyzl4
17259623	6,997825	6,839423	6,900985	6,904769	6,97676	7,053399	6,9127443	6,978309333	0,065565	1,046494696	Fn3k
17343196	5,390337	5,334115	5,398324	5,365582	5,325688	5,628219	5,3742587	5,439829667	0,065571	1,046499049	Rsph1
17201875	4,453188	4,200635	4,938371	4,542864	4,448157	4,797909	4,5307313	4,59631	0,06557867	1,04650461	---
17280980	10,47061	10,66507	10,58901	10,62891	10,71523	10,57729	10,574897	10,64047667	0,06558	1,046505577	Hectd1
17239856	7,865547	7,893474	7,786093	7,730212	8,012193	7,999474	7,8483713	7,913959667	0,06558833	1,046511622	Akap7
17210695	3,973352	3,76039	3,853848	3,885696	3,875252	4,023475	3,86253	3,928141	0,065611	1,046528064	---
17408024	8,061161	8,494709	7,789396	8,029762	8,393126	8,119224	8,1150887	8,180704	0,06561533	1,046531208	Fcgr1
17333521	7,591373	7,411744	7,421677	7,609703	7,487124	7,524815	7,4749313	7,540547333	0,065616	1,046531691	2210404J11Rik
17224684	5,811642	5,672462	5,343113	5,829273	5,521428	5,673369	5,6090723	5,67469	0,06561767	1,04653 29	Pax3
17550440	5,117193	4,898857	5,045919	5,054862	5,107083	5,096925	5,0206563	5,08629	0,06563367	1,046544507	---
17518935	7,970393	7,97231	8,036629	8,062034	8,191785	7,922423	7,9931107	8,058747333	0,06563667	1,046546683	Narg2
17395601	6,933059	6,977981	7,16023	6,957882	7,052486	7,257813	7,0237567	7,089393667	0,065637	1,046546925	Cables2
17549570	3,153102	2,971235	3,030347	3,066658	3,154159	3,13078	3,0515613	3,117199	0,06563767	1,046547408	---
17549732	3,153102	2,971235	3,030347	3,066658	3,154159	3,13078	3,0515613	3,117199	0,06563767	1,046547408	---
17243183	9,867836	9,687006	9,783081	9,77923	9,971754	9,783979	9,7793077	9,844987667	0,06568	1,046578118	Creb3l3
17393766	5,527674	5,464689	5,356338	5,654949	5,399117	5,491694	5,449567	5,515253333	0,06568633	1,046582712	2410019O14Rik // 2410019O14Rik
17235278	8,938746	9,085386	8,90411	9,219924	8,949419	8,955973	8,9760807	9,041772	0,06569133	1,046586339	Dazap1
17324971	6,250656	6,027009	6,18223	6,092288	6,209188	6,355494	6,1532983	6,21899	0,06569167	1,046586581	Lmln
17343026	7,178747	7,439279	7,623997	7,556243	7,472153	7,410709	7,4140077	7,479701667	0,065694	1,046588274	Ppil1
17433461	5,139893	4,978737	5,408181	5,255913	5,235498	5,2325	5,1756037	5,241303667	0,0657	1,046592627	Hes3
17421283	8,379144	8,202038	8,37822	8,533845	8,488738	8,13397	8,3198007	8,385517667	0,065717	1,046604959	Gcn1l1 // Gcn1l1
17306921	5,321313	5,707819	5,503373	5,577393	5,323367	5,82896	5,510835	5,576573333	0,06573833	1,046620436	Cbln3
17299101	10,17638	10,22993	10,684	10,40023	10,49259	10,39472	10,363437	10,42918	0,06574333	1,046624063	Ear2
17526583	8,869839	8,933405	8,872822	9,044567	8,904243	8,92454	8,892022	8,957783333	0,06576133	1,046637121	Sidt2
17547493	3,971989	3,872548	3,907446	4,118	3,898193	3,933135	3,9173277	3,983109333	0,06578167	1,046651873	Gm20262
17548818	5,99824	6,338587	6,048018	6,122782	6,249479	6,20997	6,1282817	6,194077	0,06579533	1,046661788	---
17266496	3,721503	3,60124	3,732817	3,87747	3,842074	3,533409	3,6851867	3,750984333	0,06579767	1,04666348	---
17448607	8,20578	8,216924	8,234282	8,212393	8,314253	8,327736	8,2189953	8,284794	0,06579867	1,046664206	Commd8
17342133	7,548284	7,671193	7,578311	7,654864	7,623386	7,716957	7,5992627	7,665069	0,06580633	1,046669768	Tmem204
17535627	7,363012	7,301467	7,404695	7,483671	7,481505	7,301452	7,3563913	7,422209333	0,065818	1,046678232	Abcd1

17237647	7,609303	7,525203	7,427217	7,585246	7,620753	7,55318	7,5205743	7,586393	0,06581867	1,046678716	Tmbim4	
17480327	9,142726	9,017176	8,909766	9,029783	9,146933	9,090412	9,0232227	9,089042667	0,06582	1,046679683	Alg8	
17352371	6,153963	6,201366	5,849874	6,160348	6,102608	6,139731	6,068401	6,134229	0,065828	1,046685487	Crem	
17400638	7,883523	7,729435	7,73591	7,780477	8,038938	7,726969	7,782956	7,848794667	0,06583867	1,046693226	Pex11b	
17429245	5,14647	5,179687	5,271896	5,057365	5,441133	5,297074	5,199351	5,265190667	0,06583967	1,046693952	Wdr65	
17489577	7,079297	7,094165	7,123099	7,347149	7,05288	7,094165	7,0988537	7,164731333	0,06587767	1,046721521	Wtip	
17531650	6,218591	6,41021	6,313755	6,374417	6,338236	6,427567	6,3141853	6,380073333	0,065888	1,046729019	Pth1r	
17365474	3,816323	3,949317	4,1155	4,084911	3,973508	4,020475	3,96038	4,026298	0,065918	1,046750785	---	
17312040	4,498398	5,138919	4,688435	4,765153	4,933429	4,824955	4,7752507	4,841179	0,06592833	1,046758282	1700012I11Rik	
17547763	4,537031	4,520035	4,311356	4,536358	4,534851	4,49502	4,4561407	4,522076333	0,06593567	1,046763603	---	
17259534	6,597488	6,775086	6,888729	6,860725	6,805972	6,792481	6,7537677	6,819726	0,06595833	1,046780049	Slc16a3	
17424092	8,416251	8,586135	8,904496	8,936356	8,364454	8,803967	8,6356273	8,701592333	0,065965	1,046784887	---	
17331638	6,491578	6,92761	6,735621	6,766035	6,665581	6,921141	6,7182697	6,784252333	0,06598267	1,046797705	---	
17267420	6,936317	6,97204	6,905256	6,979363	7,129437	6,902811	6,937871	7,003870333	0,06599933	1,046809798	Ypel2	
17549968	6,794469	6,157576	6,700634	6,695166	6,723495	6,432041	6,550893	6,616900667	0,06600767	1,046815845	---	
17545459	6,520697	6,552364	6,323521	6,446069	6,58883	6,55975	6,4655273	6,531549667	0,06602233	1,046826487	Shroom2	
17272396	7,636447	7,572243	7,781237	7,836958	7,612105	7,738966	7,663309	7,729343	0,066034	1,046834952	Prpsap1	
17505144	4,606267	4,483069	4,808179	4,835696	4,639323	4,620664	4,632505	4,698561	0,066056	1,046850916	1110028F18Rik // 1110028F18Rik	
17279988	4,049498	4,734512	4,433594	4,414268	4,434239	4,567362	4,405868	4,471956333	0,06608833	1,046874378	Gm6867	
17511550	5,417244	5,804515	5,617076	5,765966	5,559365	5,711883	5,612945	5,679071333	0,06612633	1,046901953	Tox3	
17391317	5,527304	5,632549	5,411283	5,648502	5,582997	5,538042	5,523712	5,589847	0,066135	1,046908242	Zfp661	
17524378	7,662961	7,922718	7,714279	7,751614	7,993949	7,752831	7,7666527	7,832798	0,06614533	1,04691574	Zfp26	
17522719	6,130577	6,03697	6,464391	6,130378	6,409573	6,290444	6,210646	6,276798333	0,06615233	1,04692082	Susd5	
17287869	7,823341	8,350299	7,738373	7,998585	7,992801	8,119085	7,970671	8,036823667	0,06615267	1,046921062	Idnk	
17369196	7,110596	6,882275	6,81016	6,987726	7,071285	6,942548	6,9343437	7,000519667	0,066176	1,046937994	Fam73b	
17422685	6,021877	5,771996	5,708617	5,836945	5,880838	5,983274	5,8341633	5,900352333	0,066189	1,046947428	Vwa1 // Vwa1	
17282395	3,20904	3,043337	3,235852	3,178684	3,23996	3,268208	3,162743	3,228950667	0,06620767	1,046960974	---	
17305636	10,56555	10,57458	10,54435	10,64808	10,59828	10,63686	10,561493	10,62774	0,06624667	1,046989277	Ero1l	
17246593	5,696585	5,672933	5,790425	5,795926	5,912446	5,650322	5,719981	5,786231333	0,06625033	1,046991938	8430429K09Rik	
17334904	7,827147	7,888013	7,818859	8,000361	7,936947	7,795503	7,844673	7,910937	0,066264	1,047001856	Luc7l	
17337232	7,803044	7,982148	7,960992	8,113519	7,958295	7,873165	7,9153947	7,981659667	0,066265	1,047002582	Flot1	
17336338	5,979288	5,859435	6,10091	5,990563	5,956864	6,191006	5,9798777	6,046144333	0,06626667	1,047003791	Col11a2	
17328277	6,52808	6,645859	6,405994	6,371055	6,933712	6,474013	6,5266443	6,592926667	0,06628233	1,047015161	Pla2g10	
17209943	5,981036	5,9315	6,100543	5,85636	6,046935	6,308676	6,0043597	6,070657	0,06629733	1,047026047	---	
17257830	4,308746	4,417386	4,545588	4,459015	4,586548	4,425066	4,4239067	4,490209667	0,066303	1,04703016	---	
17231602	3,648465	2,806339	2,941606	3,062023	3,310805	3,222505	3,1321367	3,198444333	0,06630767	1,047033547	---	
17491014	3,02376	3,214087	3,029169	3,092506	3,112213	3,261228	3,0890053	3,155315667	0,06631033	1,047035482	---	
17389315	5,764447	5,926228	5,90485	6,188016	5,564925	6,04152	5,865175	5,931487	0,066312	1,047036692	BC125332	
17208061	6,16692	5,375909	5,967731	6,05067	5,649458	6,009372	5,8368533	5,903166667	0,06631333	1,047037659	---	
17539058	3,253853	3,221664	3,102435	3,429381	3,198049	3,149465	3,1926507	3,258965	0,06631433	1,047038385	---	
17239616	7,614371	7,585252	7,555358	7,626012	7,696955	7,630961	7,5849937	7,651309333	0,06631567	1,047039353	Pex7	
17456293	3,754062	3,671578	3,72148	3,866521	3,70108	3,778477	3,7157067	3,782026	0,06631933	1,047042014	Ankrd7	
17383680	5,776499	5,817906	5,657045	5,701024	5,783714	5,965729	5,7504833	5,816822333	0,066339	1,047056287	1700001O22Rik	
17230968	2,861282	2,893275	2,95874	3,115151	2,850981	2,946187	2,9044323	2,970773	0,06634067	1,047057497	---	
17224577	5,682315	5,157027	5,750958	5,707302	5,709298	5,372755	5,5301	5,596451667	0,06635167	1,04706548	Resp18	
17243017	8,310712	8,61049	9,007556	8,635495	8,861671	8,63065	8,6429193	8,709272	0,06635267	1,047066206	---	
17344034	8,092932	8,25335	8,182161	8,343465	8,188069	8,195978	8,1761477	8,242504	0,06635633	1,047068867	Skiv2l	
17544680	4,363413	4,064075	4,285472	4,260718	4,299912	4,351424	4,2376533	4,304018	0,06636467	1,047074915	Tmsb15a	
17236415	8,362613	8,355795	8,179221	8,403391	8,267696	8,425691	8,2992097	8,365592667	0,066383	1,047088221	Uhrf1bp1l	
17493371	3,94757	4,011027	3,824537	4,135687	3,978807	3,867792	3,9277113	3,994095333	0,066384	1,047088947	Fam181b	
17538810	8,636099	8,916442	8,576252	8,591292	8,858049	8,878629	8,7095977	8,77599	0,06639233	1,047094995	---	
17223916	4,822732	4,998038	5,065491	4,947905	5,303177	4,834368	4,962087	5,028483333	0,06639633	1,047097898	Myl1	
17512245	3,806385	3,640812	3,670592	3,817439	3,817439	3,682101	3,7059297	3,772326333	0,06639667	1,04709814	Ccdc79	
17202867	6,244153	6,572919	6,554924	6,54726	6,508142	6,515806	6,457332	6,523736	0,066404	1,047103463	---	
17206053	3,536109	3,633649	3,574353	3,485846	4,089517	3,367962	3,5813703	3,647775	0,06640467	1,047103947	---	
17428017	5,280914	5,027729	5,192946	5,096425	5,622294	4,982154	5,1671963	5,233624333	0,066428	1,047120882	Zyg11a	
17232283	7,844581	7,812381	7,785338	7,90134	7,804	7,936257	7,8141	7,880532333	0,06643233	1,047124027	Epb4.1l2	
17487993	5,266683	5,223471	5,564869	5,677896	5,149179	5,427252	5,3516743	5,418109	0,06643467	1,047125721	Tmem91	
17275234	3,951485	3,640634	3,631191	3,912562	3,770383	3,739671	3,7411033	3,807538667	0,06643533	1,047126205	Gm2027	
17200509	5,891659	5,169788	6,059057	5,794633	5,563379	5,961805	5,7068347	5,773272333	0,06643767	1,047127898	---	
17363204	9,314759	9,210684	9,555885	9,432777	9,519161	9,328712	9,3604427	9,426883333	0,06644067	1,047130076	Psat1	
17508589	4,137606	3,788847	3,706543	3,919858	4,03946	3,873016	3,8776653	3,944111333	0,066446	1,047133947	Mir1186	
17497769	9,104166	9,315928	9,206169	9,271885	9,355778	9,197952	9,2087543	9,275205	0,06645067	1,047137334	Rnh1	
17534493	4,043915	3,987286	3,887766	4,150542	3,920079	4,047709	3,972989	4,039443333	0,06645433	1,047139995	Actrt1	
17347311	7,915999	7,821042	7,731137	7,937947	7,835387	7,894232	7,822726	7,889188667	0,06646267	1,047146044	Heatr5b	
17291195	6,614545	6,766147	6,822036	6,649095	6,878849	6,874203	6,7342427	6,800715667	0,066473	1,047153544	Hist1h1e	
17287093	6,473469	6,39933	6,539433	6,625457	6,448679	6,53752	6,470744	6,537218667	0,06647467	1,047154754	Barx1	
17345686	7,883293	7,760843	7,83754	7,852556	8,025283	7,80331	7,8272253	7,893716333	0,066491	1,047166609	Taf8	
17448103	5,936356	5,511294	5,814324	5,80142	5,741583	5,918448	5,7539913	5,820483667	0,06649233	1,047167577	---	
17256177	7,013906	6,946414	7,232481	7,11963	7,012011	7,260682	7,064267	7,130774333	0,06650733	1,047178465	Casc3	
17512229	7,57397	7,747437	7,739898	7,699033	7,786581	7,775242	7,6871017	7,753618667	0,066517	1,047185481	Dync1li2	
17455307	5,436001	5,237961	5,481606	5,420869	5,611656	5,322619	5,3851893	5,451714667	0,06652533	1,04719153	Cdx2	
17441788	3,525159	3,579131	3,376409	3,446043	3,607092	3,627176	3,4935663	3,560103667	0,06653733	1,04720024	Oas1d	
17548892	4,088008	4,01617	3,819178	3,973838	4,084119	4,065013	3,974452	4,04099	0,066538	1,047200724	---	
17369268	4,354888	4,17598	4,263885	4,192743	4,525475	4,276187	4,2649177	4,331468333	0,06655067	1,047209918	4930527E20Rik	
17548405	6,729619	6,664473	6,485762	6,561741	6,609581	6,908335	6,626618	6,693219	0,066601	1,047246455	Myl12a	
17502233	5,944831	5,787171	6,040408	6,188587	6,011367	5,772289	5,9241367	5,990747667	0,066611	1,047253714	Slc27a1	
17498554	6,301359	6,635559	6,569541	6,75556	6,722284	6,228487	6,502153	6,568777	0,066624	1,04726315	A430078G23Rik	
17418857	6,331686	6,609513	6,315809	6,491453	6,493824	6,471607	6,4190027	6,485628	0,06662533	1,047264118	Phc2	
17359871	5,959328	6,214602	5,96727	6,095149	5,936743	6,309185	6,0470667	6,113692333	0,06662567	1,04726436	4930505N22Rik // 4930505N22Rik	
17336526	3,95324	3,671676	3,991889	3,979398	3,780087	4,057198	3,8722683	3,938894333	0,066626	1,047264602	Btnl1	
17460536	3,296545	3,40164	3,443785	3,326999	3,528496	3,48637	3,3806567	3,447288333	0,06663167	1,047268716	---	
17200753	3,716035	3,861353	3,325967	3,803016	3,14493	4,15531	3,6344517	3,701085333	0,06663367	1,047270167	---	
17219988	4,834543	5,278233	4,788478	5,115451	4,860325	5,125418	4,9670847	5,033731333	0,06664667	1,047279604	Efcab2	
17266475	8,180151	8,182201	8,061174	8,192153	8,316901	8,114433	8,1411753	8,207829	0,06665367	1,047284686	Tnfaip1	
17540011	6,926201	7,008432	6,971499	7,168186	7,014744	6,923211	6,9687107	7,035380333	0,06666967	1,047296301	Wdr13	
17481499	3,706118	3,195741	3,530525	3,643353	3,813741	3,175323	3,4774613	3,544139	0,06667767	1,047302108	Olfr704	
17312774	7,170033	7,096994	7,098431	7,189811	7,121863	7,253826	7,1218193	7,1885	0,06668067	1,047304286	Cdc42ep1	
17498906	4,785385	4,519346	4,893825	4,904734	4,845007	4,648918	4,732852	4,799553	0,066701	1,047319047	Myo16	
17262336	12,07572	12,09249	12,03261	12,08388	12,20465	12,1124	12,06694	12,13364333	0,06670333	1,047320741	Canx	
17289539	4,720783	4,271247	4,283433	4,408245	4,670947	4,396396	4,4251543	4,491862667	0,06670833	1,04732437	Mast4	
17310226	5,866217	5,223234	4,861809	5,66953	5,291536	5,19032	5,3170867	5,383795333	0,06670867	1,047324612	Ugt3a1	
17250197	7,743373	7,522529	7,701455	7,628333	7,863519	7,675635	7,6557857	7,722495667	0,06671	1,04732558	Mrpl55	
17423674	9,317853	9,426482	9,309297	9,447305	9,377091	9,429368	9,3512107	9,417921333	0,06671067	1,047326064	1810074P20Rik	
17362017	4,925266	5,46378	5,317718	5,600355	5,196249	5,110322	5,235588	5,302308667	0,06672067	1,047333324	---	
17549642	4,049496	4,3085	4,154304	4,158491	4,257474	4,296539	4,1707667	4,237501333	0,06673467	1,047343487	---	
17428287	3,076604	3,036175	2,938316	3,014202	3,142986	3,094114	3,0170317	3,083767333	0,06673567	1,047344213	---	
17483084	10,12399	10,02998	10,1901	10,30026	10,23652	10,0075	10,11469	10,18142667	0,06673667	1,047344939	Mapk3	
17468521	9,716571	9,937406	9,917156	10,1207	9,911674	9,738974	9,8570443	9,923782667	0,06673833	1,047346149	---	
17518268	5,176884	5,040559	6,211546	5,389488	5,850232	5,389488	5,4763297	5,543069333	0,06673967	1,047347117	---	
17247515	4,86351	5,173856	5,110234	5,246582	5,004135	5,097131	5,0492	5,115949333	0,06674933	1,047354135	---	
17206165	3,133912	2,76815	3,858813	3,03513	3,978308	2,947689	3,253625	3,320375667	0,06675067	1,047355103	---	
17451677	4,202594	4,018496	4,418894	4,287832	4,14831	4,404168	4,213328	4,280103333	0,06677533	1,04737301	Cabp1	
17346744	4,588065	4,645314	4,738772	4,691957	4,882781	4,597744	4,6573837	4,724160667	0,066777	1,04737422	Txndc2	
17443323	6,035408	5,950241	5,998619	6,136784	6,078641	5,969203	5,994756	6,061542667	0,06678667	1,047381238	Srrm3	
17387650	5,344887	4,955693	4,623999	4,901171	5,075409	5,148387	4,9748597	5,041655667	0,066796	1,047388014	Olfr1046	
17300261	10,47952	10,45091	10,45034	10,59896	10,43307	10,54916	10,460257	10,52706333	0,06680667	1,047395758	Oxa1l	
17201485	5,944814	5,719032	6,198001	5,761567	6,287018	6,013742	5,953949	6,020775667	0,06682667	1,04741078	---	
17518585	8,518729	8,583097	8,545014	8,520609	8,676675	8,650065	8,5489467	8,615783	0,06683633	1,047417296	Spg21	
17204087	5,364976	5,447235	4,926826	5,149785	4,78867	6,00111	5,2463457	5,313188333	0,06684267	1,04742189	---	
17337031	4,829763	4,607162	4,966857	4,861304	4,90624	4,836784	4,8012607	4,868109333	0,06684867	1,04742625	Nfkbil1	
17378318	9,068613	8,969689	9,208287	9,100719	9,094575	9,251928	9,0821963	9,149074	0,06687767	1,04747305	---	
17382054	3,965503	3,755891	3,877339	4,022668	4,134159	3,642545	3,8662443	3,933124	0,06687967	1,047448757	Ptf1a // Ptf1a	
17330443	4,03353	4,582227	4,523626	4,451805	4,472051	4,416182	4,3797943	4,446679333	0,066885	1,047452629	Gap43	
17282284	4,94075	4,928236	4,892696	4,798141	5,018092	5,146109	4,9205607	4,987447333	0,06688667	1,047453839	Gm1568	
17339906	3,509729	3,537793	3,518265	3,59733	3,530976	3,638233	3,521929	3,588846333	0,06691733	1,047476105	---	
17441504	5,39906	5,92042	5,770187	5,729462	5,762357	5,798627	5,6965557	5,763482	0,06692633	1,047482639	Tesc	
17207327	5,900469	6,70705	6,868577	7,060714	6,329512	6,286665	6,492032	6,558963667	0,06693167	1,047486512	---	
17275772	3,489486	3,509086	3,773851	3,598804	3,92304	3,451406	3,5908077	3,65775	0,06694233	1,047494256	---	
17459374	4,165667	4,408128	4,353555	4,359488	4,340417	4,428292	4,3091167	4,376065667	0,066949	1,047499097	---	
17377459	6,45155	7,204775	6,725263	6,567283	7,003877	7,01128	6,7938627	6,860813333	0,06695067	1,047500307	---	
17319982	5,839577	5,437866	5,783371	5,750286	5,741656	5,769917	5,686938	5,753953	0,067015	1,047547019	1810041L15Rik	
17267632	5,040811	4,949579	4,720567	5,025153	4,966326	4,920533	4,9036523	4,970670667	0,06701833	1,047549439	Dgke	
17355687	7,566728	7,652941	7,666694	7,705255	7,641532	7,740714	7,6287877	7,695833667	0,067046	1,047569528	Atp9b	
17281609	7,991691	8,052872	7,801701	7,908498	8,032046	8,106943	7,9487547	8,015829	0,06707433	1,047590102	L2hgdh	
17315200	6,362137	6,364998	6,789847	6,529612	6,650614	6,53806	6,5056607	6,572762	0,06710133	1,047609707	Krt7	
17327981	4,020704	3,917622	4,193676	4,176686	4,110279	4,04635	4,0440007	4,111105	0,06710433	1,047611886	---	
17306666	6,265035	5,82175	6,599771	6,156691	6,391395	6,339792	6,228852	6,295959333	0,06710733	1,047614064	Jph4	
17464192	5,69984	5,623482	5,229561	5,634909	5,484199	5,635118	5,5176277	5,584742	0,06711433	1,047619147	4933425H06Rik // 4933425H06Rik	
17303140	6,611059	6,231748	6,16318	6,59268	6,185104	6,429563	6,335329	6,402449	0,06712	1,047623262	Gm10408 // Gm10408	
17540243	7,2594	7,289268	7,226256	7,225837	7,403786	7,346663	7,258308	7,325428667	0,06712067	1,047623746	Bcor	
17283941	7,671726	8,002069	7,648855	8,05759	7,727631	7,738815	7,7742167	7,841345333	0,06712867	1,047629556	---	
17343856	3,941349	3,984355	4,397019	4,65786	3,913664	3,952585	4,1075743	4,174703	0,06712867	1,047629556	Btnl5	
17224015	4,39046	4,473958	4,527538	4,535848	4,526083	4,531423	4,4639853	4,531118	0,06713267	1,04763246	Abca12	

17406091	11,49135	11,45902	11,3854	11,47066	11,52533	11,54122	11,445257	11,51240333	0,06714667	1,047642627	Etfdh	
17327544	6,695219	6,681733	6,65894	6,777002	6,650413	6,809928	6,6786307	6,745781	0,06715033	1,047645289	Bace2	
17205551	4,953096	5,278306	5,28541	5,327395	4,876625	5,51425	5,1722707	5,239423333	0,06715267	1,047646984	---	
17547813	5,035107	5,650249	5,32281	5,532968	5,477314	5,199369	5,3360553	5,403217	0,06716167	1,047653519	Gm19845	
17216217	2,813356	2,825194	2,670388	2,708583	2,876922	2,924931	2,769646	2,836812	0,067166	1,047656666	---	
17336446	7,55167	8,039293	7,59212	7,858569	7,75244	7,773608	7,7276943	7,794872333	0,067178	1,04766538	Psmb8	
17377013	11,19546	11,12954	11,03415	11,05739	11,25273	11,25061	11,119717	11,18691	0,06719333	1,047676515	Dstn	
17421254	3,533134	3,574037	3,480502	3,609413	3,658464	3,521386	3,5292243	3,596421	0,06719667	1,047678936	Pramel4	
17289245	6,151692	6,12229	6,024884	6,218268	6,147506	6,134691	6,099622	6,166821667	0,06719967	1,047681114	Otp	
17508445	9,284173	9,412236	9,368243	9,399767	9,535965	9,330543	9,354884	9,422091667	0,06720767	1,047686924	Hgsnat	
17490978	5,222456	5,253812	5,387895	5,504817	5,262062	5,298912	5,2880543	5,355263667	0,06720933	1,047688134	Kcnj14	
17230830	5,685442	5,672649	5,948977	5,783935	5,827813	5,896955	5,7690227	5,836234333	0,06721167	1,047689829	Tgfb2	
17349341	5,227816	5,300448	5,30087	5,323725	5,395675	5,311378	5,276378	5,343592667	0,06721467	1,047692007	Camk4	
17336286	8,224018	8,206405	8,201604	8,322662	8,238533	8,272509	8,2106757	8,277901333	0,06722567	1,047699996	Vps52	
17240717	3,251518	3,310759	3,373001	3,275822	3,540126	3,321008	3,3117593	3,378985333	0,067226	1,047700238	A730099G02Rik	
17447615	6,530101	6,614307	6,758286	6,694513	6,775807	6,634134	6,6342313	6,701484667	0,06725333	1,047720088	Nsg1	
17283879	9,094585	8,979311	9,142043	9,130546	9,125899	9,161267	9,0719797	9,139237333	0,06725767	1,047723235	Setd3	
17327578	3,147669	2,893282	2,939098	2,971998	3,171997	3,037841	2,9933497	3,060612	0,06726233	1,047726624	---	
17205337	5,501001	5,714428	6,012371	6,139936	5,61025	5,679415	5,7426	5,809867	0,067267	1,047730013	---	
17510261	7,203529	7,444276	7,034889	7,160701	7,35957	7,364229	7,2275647	7,294833333	0,06726867	1,047731223	Zfp709 // Zfp709	
17244785	3,995132	4,054238	4,080477	3,950359	4,236402	4,145006	4,0432823	4,110589	0,06730667	1,04775882	Otogl	
17487527	6,654813	6,389755	5,900672	6,35409	6,328545	6,464637	6,31508	6,382424	0,067344	1,047785934	Vmn1r120	
17487617	6,654813	6,389755	5,900672	6,35409	6,328545	6,464637	6,31508	6,382424	0,067344	1,047785934	Vmn1r120	
17210221	6,215931	5,853283	5,954251	6,18374	6,187966	5,853793	6,0078217	6,075166333	0,06734467	1,047786418	---	
17208323	6,772859	5,770938	6,583971	6,664806	6,733818	5,931188	6,3759227	6,443270667	0,067348	1,047788839	---	
17255759	5,333639	5,141209	5,433783	5,235566	5,54858	5,326571	5,302877	5,370239	0,067362	1,047799007	---	
17202681	4,704893	5,084863	4,802705	5,155138	4,41931	5,220101	4,8641537	4,931516333	0,06736267	1,047799491	---	
17233771	5,660361	5,549312	5,581103	5,962804	5,360936	5,669141	5,5969253	5,664293667	0,06736833	1,047803607	Neurog3	
17240621	6,822559	6,987739	6,424073	6,637677	6,673646	7,125231	6,7447903	6,812184667	0,06739433	1,04782249	Aim1	
17359816	4,952924	4,565536	5,150985	4,976019	4,982708	4,912914	4,889815	4,957213667	0,06739867	1,047825638	Kazald1	
17256292	6,659146	6,822583	7,092444	7,057325	6,832407	6,886652	6,8580577	6,925461333	0,06740367	1,047829269	Krtap4-9	
17232281	4,253893	4,074179	4,745175	4,425703	4,059199	4,790566	4,357749	4,425156	0,067407	1,04783169	---	
17248592	9,175398	9,398365	9,199381	9,266187	9,358239	9,350959	9,2577147	9,325128333	0,06741367	1,047836532	Slu7	
17496427	6,169196	6,129892	6,344429	6,307316	6,286642	6,251837	6,2145057	6,281931667	0,067426	1,04784549	---	
17465201	7,598922	7,574931	7,507555	7,452477	7,77215	7,659081	7,5604693	7,627902667	0,06743333	1,047850816	Ndufa5	
17254458	4,173175	3,951122	4,11814	4,248435	4,254645	3,941675	4,0808123	4,148251667	0,06743933	1,047855174	1500016L03Rik	
17201249	3,591671	3,502872	3,159773	3,878667	3,459669	3,118307	3,4181053	3,485547667	0,06744233	1,047857353	---	
17531431	3,548956	3,41403	3,311833	3,584549	3,447251	3,445436	3,4249397	3,492412	0,06747233	1,047879143	Fbxw25	
17304246	8,746829	8,73753	8,468972	8,580111	8,791348	8,784307	8,6511103	8,718588667	0,06747833	1,047883501	Appl1	
17269184	5,137272	4,432882	4,780389	5,055804	4,688657	4,808539	4,7835143	4,851	0,06748567	1,047888827	Krtap4-6	
17200211	4,807537	5,621669	5,49767	5,235502	5,888292	5,005554	5,3089587	5,376449333	0,06749067	1,047892459	---	
17326541	5,240962	4,97145	4,912925	5,248379	5,011783	5,067676	5,041779	5,109279333	0,06750033	1,04789948	Vgll3	
17235329	5,179573	5,063385	5,264015	5,286768	5,285538	5,137192	5,168991	5,236499333	0,06750833	1,047905291	Plk5	
17320967	6,658613	6,691951	6,766082	6,650103	6,815451	6,853664	6,7055487	6,773072667	0,067524	1,047916671	Amigo2	
17541378	4,821639	4,567335	4,689431	5,093318	4,694694	4,493003	4,6928017	4,760338333	0,06753667	1,047925871	Apln	
17240467	4,473996	4,318153	4,475713	4,6095	4,41429	4,446694	4,4226207	4,490161333	0,06754067	1,047928777	Gm6976	
17521105	7,412924	7,413825	7,165355	7,28727	7,550848	7,356623	7,3307013	7,398247	0,06754567	1,047932409	Pik3r4	
17269216	9,16927	8,960833	9,25278	9,360631	9,145373	9,079529	9,1276277	9,195177667	0,06755	1,047935556	---	
17464146	10,1104	10,13009	10,10189	10,03186	10,29778	10,21545	10,114127	10,18169667	0,06757	1,047950084	Cmas	
17286986	5,306231	5,22257	5,459204	5,408908	5,451983	5,329847	5,329335	5,396912667	0,06757767	1,047955653	---	
17202437	3,891078	3,878101	4,191903	3,596509	4,230901	4,336436	3,9870273	4,054615333	0,067588	1,047963159	---	
17437604	3,48847	3,743188	3,629395	3,801077	3,511317	3,751514	3,620351	3,687969333	0,06761833	1,047985193	---	
17261650	7,950923	7,767812	7,959891	7,905226	8,060209	7,916047	7,8928753	7,960494	0,06761867	1,047985435	Dock2	
17548027	7,210709	7,330089	7,266852	7,426269	7,296008	7,28825	7,2692167	7,336842333	0,06762567	1,04799052	Ddx39b	
17203299	4,962026	5,391488	5,755788	6,071021	4,811858	5,42931	5,3697673	5,437396333	0,067629	1,047992942	---	
17205279	4,764846	4,322476	4,755606	5,547265	3,978356	4,520226	4,6143093	4,681949	0,06763967	1,04800069	---	
17209469	4,764846	4,322476	4,755606	5,547265	3,978356	4,520226	4,6143093	4,681949	0,06763967	1,04800069	---	
17316043	7,521071	7,763613	7,591104	7,719068	7,714916	7,644741	7,6252627	7,692908333	0,06764567	1,048005048	Npr3	
17322483	8,37663	8,536373	8,07645	8,26568	8,503099	8,423663	8,3298177	8,397480667	0,067663	1,04801764	---	
17328110	6,21804	6,077412	6,260691	6,330776	6,262487	6,165881	6,185381	6,253048	0,067667	1,048020546	Prm3	
17348950	8,313788	8,168613	8,331524	8,40999	8,378386	8,228662	8,2713083	8,339012667	0,06770433	1,048047666	Zfp397	
17255232	9,350459	9,381115	9,311267	9,280793	9,52496	9,440207	9,3476137	9,41532	0,06770633	1,048049119	Lrrc59	
17211445	4,791383	5,01394	4,846942	4,838918	5,105909	4,910576	4,8840883	4,951801	0,06771267	1,04805372	B3gat2	
17429057	8,548038	8,6277	8,655267	8,791127	8,674835	8,568357	8,610335	8,678106333	0,06777133	1,048096339	Ptprf	
17325719	8,024511	7,83173	7,877625	8,027172	7,957656	7,952352	7,9112887	7,97906	0,06777133	1,048096339	BC002163	
17210663	5,395635	3,838639	4,799518	5,161895	4,553865	4,521359	4,6779307	4,745706333	0,06777567	1,048099488	---	
17335168	7,633153	7,244548	6,993866	7,252871	7,267047	7,555	7,2905223	7,358306	0,06778367	1,048105299	Snrpc	
17341698	9,638475	9,98848	9,779482	9,603048	9,960757	10,04602	9,8021457	9,869941667	0,067796	1,04811426	---	
17469473	6,751578	6,837378	6,778813	6,911505	6,94602	6,713679	6,7892563	6,857068	0,06781167	1,048125641	Shq1	
17227077	8,613268	8,733677	8,610943	8,76737	8,74223	8,651728	8,6526293	8,720442667	0,06781333	1,048126852	Prelp	
17311259	4,853692	4,96683	4,961452	4,896741	5,050029	5,038651	4,9273247	4,995140333	0,06781567	1,048128547	Gm16291	
17256290	7,54461	7,322529	7,395588	7,534206	7,518857	7,413119	7,420909	7,488727333	0,06781833	1,048130485	---	
17221307	5,05912	4,999959	4,991449	5,280746	5,04221	4,931066	5,0168427	5,084674	0,06783133	1,048139929	Prdm14	
17259563	7,186479	7,186588	7,258636	7,301698	7,273867	7,259685	7,2105677	7,278416667	0,067849	1,048152765	Hexdc	
17258777	4,602458	4,643256	4,819261	4,745156	4,809311	4,714073	4,688325	4,75618	0,067855	1,048157124	---	
17522253	8,031099	8,070593	7,956788	8,191664	7,994416	8,07597	8,0194933	8,08735	0,06785667	1,048158335	Mtap4	
17467375	3,297993	3,399437	3,278361	3,41954	3,373158	3,386667	3,3252637	3,393121667	0,067858	1,048159303	---	
17494482	7,471225	7,395408	7,530015	7,518592	7,506538	7,575117	7,4655493	7,533415667	0,06786633	1,048165358	Fam160a2	
17356216	10,52646	10,47042	10,59517	10,55242	10,70783	10,5354	10,530683	10,59855	0,06786667	1,0481656	Pcx	
17422160	6,838186	6,897204	6,858531	6,874038	6,976223	6,947261	6,8646403	6,932507333	0,067867	1,048165842	Rpl22	
17382009	5,595491	5,578016	5,677307	5,693005	5,658219	5,703233	5,616938	5,684819	0,067881	1,048176014	1810059C17Rik	
17489161	6,91053	7,04938	7,05544	7,125184	7,077303	7,016515	7,0051167	7,073000667	0,067884	1,048178193	Wbp7	
17228842	3,987616	3,894073	3,927431	4,109344	4,104619	3,798853	3,9363733	4,004272	0,06789867	1,048188849	4930469G21Rik	
17322559	8,648002	8,847647	8,749384	8,817079	8,963646	8,668047	8,7483443	8,816257333	0,067913	1,048199263	Hmox2	
17201119	8,389013	9,100646	8,704345	8,227924	9,024644	9,145201	8,7313347	8,799256333	0,06792167	1,04820556	---	
17512768	3,845038	3,668577	3,840183	3,776591	3,945881	3,835138	3,7845993	3,852536667	0,06793733	1,048216943	---	
17451661	7,57689	7,680683	7,686633	7,659556	7,706024	7,782462	7,6480687	7,716014	0,06794533	1,048222755	Unc119b	
17390674	7,244967	7,352082	7,143255	7,373504	7,375276	7,195387	7,246768	7,314722333	0,06795433	1,048229295	Spg11	
17350762	5,589471	5,704776	5,66052	5,524763	6,068701	5,56517	5,651589	5,719544667	0,06795567	1,048230263	Megf10	
17200343	8,288714	7,767708	8,137514	8,384856	7,785285	8,227678	8,0646453	8,132606333	0,067961	1,048234138	---	
17203865	4,206485	3,629377	4,054652	3,92908	4,0742	4,091142	3,9635047	4,031474	0,06796933	1,048240193	---	
17526492	6,166089	6,069597	6,092998	6,196114	6,157112	6,179421	6,1095613	6,177549	0,06798767	1,048253514	Il10ra	
17439842	7,746441	7,869862	7,664716	8,038321	7,818795	7,627889	7,7603397	7,828335	0,06799533	1,048259085	Pkd2	
17269679	6,523947	6,425675	6,171782	6,518653	6,465059	6,3417	6,3738013	6,441804	0,06800267	1,048264413	Ghdc	
17238826	6,980217	7,172626	6,94396	7,22329	7,197697	6,879827	7,0322677	7,100271333	0,06800367	1,04826514	Syne1	
17504527	6,583514	6,48698	6,64897	6,878376	6,58868	6,456455	6,5731547	6,641170333	0,06801567	1,048273859	Ces2d-ps	
17204829	3,877624	4,906369	3,6697	4,987933	3,745343	3,92448	4,151231	4,219252	0,068021	1,048277734	---	
17380147	4,289494	4,238562	4,449663	4,478904	4,29812	4,404771	4,3259063	4,393931667	0,06802533	1,048280883	1700029J11Rik	
17358872	3,381178	3,486581	3,198382	3,638831	3,322073	3,309322	3,3553803	3,423408667	0,06802833	1,048283063	Mir1950 // Mir1950	
17352419	5,683851	5,659198	6,03112	5,830752	5,85749	5,890051	5,7913897	5,859431	0,06804133	1,048292509	Zfp438	
17518980	5,089304	4,899933	5,355174	5,102622	5,111887	5,334037	5,1148037	5,182848667	0,068045	1,048295173	Mir3109	
17290169	3,554239	3,471098	3,483289	3,750242	3,435026	3,52753	3,5028753	3,570932667	0,06805733	1,048304135	1700074H08Rik	
17232394	4,148347	4,01648	4,044522	4,025978	4,195817	4,191731	4,069783	4,137842	0,068059	1,048305346	Themis	
17291096	2,900784	3,038251	2,977559	3,116185	3,039074	2,965537	2,972198	3,040265333	0,06806733	1,048311401	Vmn1r210	
17247623	3,962965	3,722841	4,25593	3,903646	4,075141	4,167156	3,9805787	4,048647667	0,068069	1,048312612	---	
17482924	3,478145	3,404595	3,530211	3,524941	3,536096	3,556127	3,4709837	3,539054667	0,068071	1,048314065	---	
17519245	4,44662	4,479706	4,548679	4,425508	4,590816	4,662917	4,4916683	4,559747	0,06807867	1,048319636	Dyx1c1	
17457796	4,027084	4,544079	4,661752	4,550207	4,523417	4,363599	4,4109717	4,479074333	0,06810267	1,048337076	Tcrb-J	
17201301	5,172255	4,803091	4,463767	4,700371	5,018396	4,924664	4,8130377	4,881143667	0,068106	1,04833948	---	
17261822	4,310104	3,954695	4,040072	4,172926	4,337491	3,9988	4,1016237	4,169739	0,06811533	1,04834628	3110004A20Rik	
17302878	5,116696	5,130056	5,250146	5,178577	5,336991	5,185679	5,1656327	5,233749	0,06811633	1,048347007	Zic2	
17490785	6,464872	6,5781	7,008968	6,627766	6,781906	6,846679	6,68398	6,752117	0,068137	1,048362024	Lin7b	
17415375	4,152265	4,105844	4,191628	4,151801	4,258829	4,243524	4,1499123	4,218051333	0,068139	1,048363478	Gm12603	
17518316	9,149157	9,851345	9,618279	9,543231	9,749149	9,53096	9,5395937	9,60778	0,06818633	1,048397874	---	
17281575	7,651353	7,667365	7,536375	7,712703	7,706511	7,640444	7,6183643	7,686552667	0,06818833	1,048399327	Mettl21d	
17547945	3,713229	3,610626	3,885098	3,960606	3,845614	3,607304	3,7363177	3,804508	0,06819033	1,048400781	LOC100862208	
17430247	3,496176	3,228163	3,353427	3,461816	3,552663	3,267863	3,3592553	3,427447333	0,068192	1,048401992	4930465A12Rik	
17529415	3,675044	3,402227	3,69015	3,52733	3,73144	3,713278	3,5891403	3,657349333	0,068209	1,048414346	---	
17391436	10,65062	10,7006	10,59854	10,73459	10,83185	10,58795	10,64992	10,71813	0,06821	1,048415073	---	
17297413	7,186612	7,100435	7,068528	7,143811	7,24891	7,167532	7,118525	7,186751	0,068226	1,0484267	Nudt13	
17325308	6,47483	6,536912	6,565893	6,54038	6,573769	6,668179	6,5258783	6,594109333	0,068231	1,048430334	Wdr5b	
17323406	5,389046	5,187625	5,618585	5,589221	5,332207	5,478534	5,3984187	5,466654	0,06823533	1,048433483	Ccdc116 // Ccdc116	
17353923	6,167907	6,086235	6,19464	6,234932	6,247708	6,170883	6,149594	6,217841	0,068247	1,048441961	Pcdh1	
17227379	6,090115	6,187223	6,190597	6,27924	6,179312	6,214151	6,1559783	6,224234333	0,068256	1,048448502	---	
17301232	5,867859	5,74943	5,839961	5,977355	5,954362	5,730319	5,8190833	5,887345333	0,068262	1,04845286	---	
17338959	5,185153	5,45433	4,880294	5,060459	5,423844	5,240279	5,173259	5,241527333	0,06826833	1,048457465	Tnfsf9	
17439669	6,300599	6,11086	5,970263	6,239929	6,228139	6,118461	6,1272407	6,195509667	0,068269	1,048457949	Arhgap24	
17287338	7,042109	7,016095	7,0879	7,058655	7,173071	7,119188	7,0487013	7,116971333	0,06827	1,048458676	Secisbp2	
17423960	2,911333	2,84461	3,101469	3,081503	2,966899	3,013867	2,9524707	3,020756333	0,06828567	1,048470062	Mir873	
17413090	5,333697	5,15055	5,856174	5,84018	5,382598	5,322502	5,446807	5,515093333	0,06828633	1,048470546	Gm13308	
17413103	5,333697	5,15055	5,856174	5,84018	5,382598	5,322502	5,446807	5,515093333	0,06828633	1,048470546	Gm13308	
17376685	8,060915	8,055562	7,979853	8,128814	8,113201	8,059178	8,03211	8,100397667	0,06828767	1,048471515	Plcb1	
17372788	3,692338	3,601321	3,595306	3,882679	3,474936	3,736216	3,629655	3,697943667	0,06828867	1,048472242	Olfr1031	
17310688	4,781404	4,581097	4,754887	4,645783	4,796392	4,880188	4,705796	4,774121	0,068325	1,048498647	Dnahc5	

17204301	5,757658	5,405547	5,977837	5,575843	6,108849	5,661337	5,7136807	5,782009667	0,068329	1,048501554	---	
17323073	9,403336	9,783927	9,532728	9,582049	9,666112	9,676824	9,5733303	9,641661667	0,06833133	1,04850325	---	
17367736	3,643602	3,996682	3,784316	3,912984	3,78971	3,926937	3,8082	3,876543667	0,06834367	1,048512214	---	
17439060	4,467761	4,623124	4,606088	4,673205	4,692427	4,536388	4,5656577	4,634006667	0,068349	1,04851609	G3bp2	
17547533	4,464532	4,126117	4,397617	4,460207	4,460047	4,273086	4,329422	4,39778	0,068358	1,048522631	Gm10826	
17376856	5,667765	5,407061	5,725926	5,678091	5,564793	5,762962	5,6002507	5,668615333	0,06836467	1,048527476	---	
17241512	6,00474	5,938972	6,073588	5,946331	6,366446	5,909705	6,0057667	6,074160667	0,068394	1,048548795	Tet1	
17287041	7,452492	7,468904	7,316775	7,409294	7,505866	7,528215	7,4127237	7,481125	0,06840133	1,048554125	Kdm1b	
17342000	7,541389	8,024528	7,735737	8,171218	7,487693	7,848	7,767218	7,835637	0,068419	1,048566965	---	
17517907	5,812924	5,876324	5,886395	5,760236	5,883762	6,136951	5,8585477	5,926983	0,06843533	1,048578837	6030419C18Rik	
17242687	6,799405	6,610979	6,757864	6,76843	6,905872	6,699261	6,7227493	6,791187667	0,06843833	1,048581017	Prss57	
17308686	8,372286	8,679439	8,393921	8,565834	8,625199	8,459963	8,481882	8,550332	0,06845	1,048589497	Cog3	
17206455	10,36251	9,950047	10,59546	10,40024	10,62113	10,09201	10,302672	10,37112667	0,06845433	1,048592646	---	
17285810	3,998315	4,313854	4,175407	4,196064	4,352088	4,144814	4,1625253	4,230988667	0,06846333	1,048599188	Zfp322a	
17421334	3,280019	3,325429	3,226125	3,193464	3,39218	3,451342	3,277191	3,345662	0,068471	1,04860476	Gm13242	
17548362	6,599577	6,487099	6,640328	6,699927	6,59128	6,641238	6,575668	6,644148333	0,06848033	1,048611544	Padi2 // Padi2	
17208099	7,270162	6,803337	7,175143	6,762915	7,410223	7,280973	7,0828807	7,151370333	0,06848967	1,048618328	---	
17257175	5,204991	5,116323	5,345822	5,29824	5,294999	5,27938	5,2223787	5,290873	0,06849433	1,04862172	Crhr1	
17304999	5,416926	5,299745	5,857726	5,693813	5,511987	5,574082	5,524799	5,593294	0,068495	1,048622204	A630023A22Rik	
17336811	8,327556	8,258348	8,223503	8,314548	8,412871	8,287477	8,2698023	8,338298667	0,06849633	1,048623173	Neu1	
17352712	6,139212	6,31612	6,057625	6,296864	6,087095	6,334495	6,1709857	6,239484667	0,068499	1,048625112	Tmem241	
17500401	7,184161	7,02243	7,002421	7,119167	7,125761	7,16967	7,0696707	7,138199333	0,06852867	1,048646675	Tti2	
17383672	3,886751	3,739544	3,960307	3,890938	3,903889	3,997384	3,8622007	3,930737	0,06853633	1,048652248	Gm14488	
17253810	5,348563	5,23016	5,535796	5,300829	5,572809	5,446545	5,3715063	5,440061	0,06855467	1,048665574	Rab11fip4	
17477331	5,070696	4,477163	5,019289	4,294375	5,595702	4,882901	4,855716	4,924326	0,06861	1,048705795	Klk1b27	
17536208	3,40056	3,653715	3,292852	3,427476	3,596418	3,529075	3,4490423	3,517656333	0,068614	1,048708703	4932429P05Rik	
17302546	5,161316	4,925524	4,901581	5,309699	4,831336	5,053238	4,9961403	5,064757667	0,06861733	1,048711126	---	
17507860	6,635354	6,189468	5,771606	6,489056	6,201444	6,111781	6,1988093	6,267427	0,06861767	1,048711368	Gm15319	
17331866	3,568832	3,609508	3,542681	3,701651	3,7602	3,465034	3,5736737	3,642295	0,06862133	1,048714034	Krtap16-1	
17460252	4,440968	4,266971	5,122685	4,744254	4,889262	4,402988	4,610208	4,678834667	0,06862667	1,04871911	---	
17294458	8,320259	8,151689	8,096496	8,372146	8,328256	8,073936	8,1894813	8,258112667	0,06863133	1,048721303	Rhobtb3	
17324583	9,1847	9,19366	9,162401	9,22598	9,238331	9,282374	9,1802537	9,248895	0,06864133	1,048728572	Opa1	
17338118	7,255221	6,960015	7,089858	7,461536	6,790361	7,259164	7,101698	7,170353667	0,06865567	1,048738991	BC048355	
17209583	3,578108	3,801228	3,815716	3,882841	3,17412	4,344099	3,731684	3,800353333	0,06866933	1,048748926	---	
17400463	3,744872	4,071772	3,889484	4,194014	3,896045	3,822134	3,9020427	3,970731	0,06868833	1,048762738	Gm9054	
17542711	3,469726	3,459222	3,431808	3,169449	3,605024	3,792352	3,4535853	3,522275	0,06868967	1,048763707	Gm15363	
17550731	3,551807	3,379496	3,821902	3,636059	3,643692	3,679533	3,5844017	3,653094667	0,068693	1,04876613	---	
17210567	3,419013	3,176196	4,164546	3,992234	3,61226	3,361347	3,586585	3,655280333	0,06869533	1,048767827	---	
17203573	3,288882	3,412957	3,402634	3,526999	3,218905	3,564672	3,3681577	3,436858667	0,068701	1,048771946	---	
17338521	7,072259	7,044362	6,692226	6,684813	7,183278	7,146873	6,9362823	7,004988	0,06870567	1,048775338	Plcl2	
17475625	6,66621	6,644044	6,703576	6,550073	6,973048	6,696832	6,6712767	6,739984333	0,06870767	1,048776792	2310022A10Rik	
17269188	7,729566	7,423947	7,660648	7,762233	7,60463	7,653433	7,6047203	7,673432	0,06871167	1,0487797	---	
17386679	4,078946	4,311808	4,31421	4,386115	4,293865	4,231134	4,234988	4,303704667	0,06871667	1,048783335	---	
17496183	6,611665	7,086019	6,66538	6,73434	6,766977	7,067955	6,787688	6,856424	0,068736	1,04879739	Nfatc2ip	
17344434	3,645123	3,529759	3,625994	3,490163	3,846104	3,670854	3,600292	3,669040333	0,06874833	1,048806356	---	
17485194	6,325112	6,003167	6,402321	6,452424	6,202888	6,281537	6,2435333	6,312283	0,06874967	1,048807325	Krtap5-4	
17539797	7,651732	7,810936	7,400186	7,705536	7,875095	7,488491	7,6209513	7,689707333	0,068756	1,048811929	Clcn5	
17300484	6,386069	6,175498	6,384498	6,383487	6,417553	6,351364	6,315355	6,384134667	0,06877967	1,048829135	Cpne6	
17481630	3,980276	4,384249	4,114123	4,261074	4,372284	4,051713	4,1595493	4,228357	0,06880767	1,048849491	Olfr508	
17504493	4,898736	4,570894	4,536555	4,696387	4,843772	4,672451	4,6687283	4,737536667	0,06880833	1,048849975	4932416K20Rik	
17319299	7,448483	7,648145	7,714736	7,824807	7,700787	7,492197	7,603788	7,672597	0,068809	1,04885046		11/03/17
17483802	7,83615	7,940176	7,851445	7,92571	8,002944	7,905579	7,8759237	7,944744333	0,06882067	1,048858942	Wdr11	
17411435	8,983581	9,04853	9,034184	9,22052	9,003976	9,048307	9,0220983	9,090934333	0,068836	1,048870089	Srsf11	
17549176	3,001978	3,110437	3,123798	3,14656	3,070353	3,225833	3,0787377	3,147582	0,06884433	1,048876148	---	
17427722	4,841351	4,829239	5,299242	4,944542	5,1622	5,069653	4,989944	5,058798333	0,06885433	1,048883418	---	
17367440	7,014863	6,721788	6,920113	6,885483	6,993555	6,984331	6,885588	6,954456333	0,06886833	1,048893597	Gm13375	
17398903	5,579425	5,472507	5,573115	5,753308	5,536023	5,542334	5,5416823	5,610555	0,06887267	1,048896747	Nes	
17417872	7,3522	7,235425	7,408525	7,530844	7,358614	7,313401	7,33205	7,400953	0,06893	1,048918801	Lepre1	
17335142	6,19577	6,172204	6,376861	6,224123	6,528865	6,198562	6,2482783	6,317183333	0,068905	1,048920255	---	
17325938	4,816707	4,63695	4,758015	4,836754	4,686416	4,895236	4,737224	4,806135333	0,06891133	1,04892486	Btla	
17371775	3,588434	3,52586	3,444335	3,577265	3,482895	3,705228	3,519543	3,588462667	0,06891967	1,048930919	---	
17463352	10,93647	11,36926	11,25218	11,29147	11,22222	11,25105	11,18597	11,25491333	0,06894333	1,048948126	---	
17212121	6,372972	6,435828	6,780399	6,684179	6,659899	6,451964	6,529733	6,598680667	0,06894767	1,048951276	---	
17212719	8,687572	8,665921	8,582981	8,768722	8,716305	8,658312	8,6454913	8,714446333	0,068955	1,048956608	Sdpr	
17340532	6,106895	5,862765	5,944353	6,144106	5,908759	6,068066	5,9713377	6,040310333	0,06897267	1,048969454	Sytl3 // Sytl3	
17527024	4,115576	4,577304	4,955983	4,34329	4,784879	4,727651	4,549621	4,618606667	0,06898567	1,048978906	Gm19477	
17397165	5,945019	6,012066	5,811519	6,120386	5,94601	5,909177	5,922868	5,991857667	0,06898967	1,048981814	4930594O21Rik	
17450679	7,059094	6,66371	6,909853	6,856795	7,086264	6,896681	6,8775523	6,94658	0,06902767	1,049009444	Gfi1	
17288269	5,282611	5,173801	5,05139	5,184445	5,251594	5,278857	5,1692673	5,238298667	0,06903133	1,04901211	Gm10767	
17393851	4,716128	4,715197	4,813385	4,723274	4,903347	4,825188	4,7482367	4,817269667	0,069033	1,049013322	Slc32a1 // Slc32a1	
17404162	4,55439	4,531129	4,638064	4,656663	4,645018	4,629003	4,5745277	4,643561333	0,06903367	1,049013807	---	
17431025	5,357958	5,646109	5,5627	5,667321	5,625835	5,480741	5,5222557	5,591299	0,06904333	1,049020836	Trnp1	
17486529	5,177023	4,53392	5,038509	4,95469	4,8747	5,127201	4,916484	4,985530333	0,06904633	1,049023017	Zfp551	
17428422	5,259084	5,185176	5,173524	5,387662	5,370985	5,066298	5,205928	5,274981667	0,06905367	1,04902835	Gm12830 // Gm12830	
17338300	4,978771	5,074714	5,17971	5,458228	4,868686	5,113533	5,0777317	5,146815667	0,069084	1,049050406	Gm14872	
17393805	6,273337	6,002946	6,456157	6,300642	6,410282	6,228835	6,2441467	6,313253	0,06910633	1,049066646	D630003M21Rik	
17246936	5,767393	5,50452	5,61343	5,635579	5,705406	5,751784	5,6284477	5,697589667	0,069142	1,049092581	Rasl10a	
17308477	11,3475	11,40236	11,43481	11,12054	11,56567	11,70589	11,39489	11,46403333	0,06914333	1,049093551	---	
17547753	3,65274	3,468373	3,84408	3,684925	3,758398	3,729327	3,6550643	3,724216667	0,06915233	1,049100096	LOC100862013	
17252081	6,360613	6,432937	6,418712	6,576293	6,269127	6,574344	6,4040873	6,473254667	0,06916733	1,049111003	Pld2	
17255243	5,166727	5,163855	4,921422	5,243943	5,287027	4,92854	5,0840013	5,15317	0,06916867	1,049111973	Mrpl27	
17420036	7,422924	7,447185	7,168931	7,319666	7,528996	7,397901	7,3463467	7,415521	0,06917433	1,049116094	Asap3	
17459632	5,489359	4,751997	5,156958	4,940951	5,190682	5,474242	5,1327713	5,201958333	0,069187	1,049125305	---	
17501600	4,938661	4,810183	4,847006	4,937104	4,890827	4,975485	4,8652833	4,934472	0,06918867	1,049126517	1700125H03Rik	
17533466	4,544002	3,95339	4,135324	4,211812	4,240299	4,388196	4,2109053	4,280102333	0,069197	1,049132577	---	
17544273	2,79865	3,045233	2,77976	3,190531	2,857644	2,78308	2,8745477	2,943751667	0,069204	1,049137667	Tgif2lx1	
17542899	6,471855	6,440873	6,409163	6,357731	6,687949	6,483936	6,4406303	6,509872	0,06924167	1,049165059	Prkx	
17549652	4,330045	4,153804	4,440268	4,335729	4,454936	4,341177	4,308039	4,377280667	0,06924167	1,049165059	---	
17445460	4,122081	3,851845	4,107484	4,324019	4,073853	3,89137	4,0271367	4,096414	0,06927733	1,049190997	---	
17217552	6,866623	6,420529	6,611646	6,494887	6,839984	6,771788	6,6329327	6,702219667	0,069287	1,049198027	Ube2t	
17282461	4,941411	4,66114	4,733442	4,602678	4,958429	4,982749	4,7786643	4,847952	0,06928767	1,049198512	Pnma1	
17210595	4,213268	3,345593	3,029218	3,334994	3,426604	4,034363	3,5293597	3,598653667	0,069294	1,049203118	---	
17396996	9,12353	9,208027	9,061143	9,189825	9,258237	9,152548	9,1309	9,200203333	0,06930333	1,049209906	4932438A13Rik	
17209865	5,938943	5,922727	5,972092	5,918149	6,364324	5,759232	5,9445873	6,013901667	0,06931433	1,049217905	---	
17371267	4,090048	3,851408	4,027275	4,086543	3,937715	4,152445	3,989577	4,058901	0,069324	1,049224936	---	
17292296	4,833764	4,7862	4,835275	4,821894	5,03855	4,80277	4,818413	4,887738	0,069325	1,049225663	4931429P17Rik	
17387658	4,15162	4,031352	3,675413	3,905708	4,208956	3,951724	3,952795	4,022129333	0,06933433	1,049232451	Olfr1051	
17243275	6,386702	6,242898	6,356128	6,265442	6,461069	6,467229	6,328576	6,397913333	0,06933733	1,049234633	---	
17532577	5,416881	5,669828	5,167078	5,634034	5,317149	5,510626	5,417929	5,487269667	0,06934067	1,049237057	2010315B03Rik	
17205809	6,436397	5,402191	5,371577	5,406473	5,932541	6,079182	5,7367217	5,806065333	0,06934367	1,049239239	---	
17241756	4,390493	4,660272	4,622448	4,65075	4,473238	4,757273	4,5577377	4,627087	0,06934933	1,04924336	C730027H18Rik	
17210273	4,718405	5,256255	5,327224	5,497808	5,19192	4,820247	5,100628	5,169991667	0,06936367	1,049253784	---	
17210295	4,718405	5,256255	5,327224	5,497808	5,19192	4,820247	5,100628	5,169991667	0,06936367	1,049253784	---	
17246810	5,659553	5,541468	5,779868	5,660397	5,953918	5,574713	5,6602963	5,729676	0,06937967	1,049265421	Lif	
17505170	6,805135	6,792706	6,891124	6,916817	6,939994	6,840373	6,829655	6,899061333	0,06940633	1,049284816	Tmco7	
17203667	6,618821	6,998366	7,04281	7,125521	6,934931	6,807776	6,8866557	6,956076	0,06941033	1,049287725	---	
17507839	3,330246	3,348335	3,511907	3,460077	3,660045	3,278625	3,3968293	3,466249	0,06941967	1,049294513	Defb39	
17219459	11,57212	11,68578	11,53496	11,5567	11,74981	11,69461	11,59762	11,66704	0,06942	1,049294756	---	
17200097	5,202044	4,833518	5,192398	5,81557	5,154459	4,467308	5,0759867	5,145445667	0,069459	1,049323121	---	
17395186	4,900392	4,943456	4,964295	5,131804	4,893383	4,991361	4,9360477	5,005516	0,06946833	1,04932991	---	
17206151	2,711797	3,216152	2,866007	2,844903	2,946673	3,210823	2,9313187	3,000799667	0,069481	1,049339123	---	
17319091	5,236656	4,735415	4,653925	5,060809	4,785668	4,987972	4,875332	4,944816333	0,06948433	1,049341547	Lgals2	
17324932	8,477171	8,642406	8,377346	8,636574	8,47689	8,591915	8,4989743	8,568459667	0,06948533	1,049342275	Lrch3	
17263789	5,359201	5,225418	5,233524	5,363437	5,340856	5,32233	5,2727143	5,342207667	0,06949333	1,049348094	Rnf112	
17379875	9,90995	10,533	10,56373	10,48394	10,43472	10,29655	10,33556	10,40507	0,06951	1,049360216	Snord12	
17547658	7,270436	7,009616	7,098902	7,131079	7,270046	7,186383	7,126318	7,195836	0,069518	1,049366035	---	
17501217	5,007361	4,601414	5,127447	4,773707	4,920474	5,250614	4,912074	4,981598333	0,06952433	1,049370642	---	
17525118	3,597883	3,723864	3,60598	3,7311	3,616558	3,788685	3,6425757	3,712114333	0,06953867	1,049381067	Glb1l3	
17328947	6,096587	5,838736	6,082049	5,975609	6,320373	5,930017	6,0057907	6,075333	0,06954233	1,049383734	Tbx1	
17482897	9,096286	8,753986	8,87326	8,944206	8,75054	9,237447	8,907844	8,977397667	0,06955367	1,049391978	Aqp8	
17211998	6,511478	6,56053	6,476659	6,549464	6,554557	6,653341	6,5162223	6,585787333	0,069565	1,049400222	Mrpl30	
17481514	3,805825	3,432005	3,755043	3,776192	3,619629	3,805902	3,664291	3,733907667	0,06961667	1,049437804	Nlrp14	
17533456	3,388513	3,305419	3,473399	3,414707	3,420725	3,540764	3,3891103	3,458732	0,06962167	1,049441441	Gpr82	
17332386	8,147719	8,290604	8,071578	8,33452	8,234331	8,149931	8,169967	8,239594	0,069627	1,049445321	Psmg1	
17201039	6,689432	7,130161	7,18908	6,727868	7,265204	7,224533	7,002891	7,072535	0,069644	1,049457687	---	
17398499	12,95634	13,08208	13,01445	12,99229	13,10419	13,16533	13,017623	13,08727	0,06964667	1,049459627	Fga	
17262349	12,53327	12,57843	12,59378	12,56006	12,68781	12,66656	12,568493	12,63814333	0,06965	1,049462052	---	
17373732	4,820776	4,906363	4,86336	4,871939	5,062699	4,86482	4,8634997	4,933152667	0,069653	1,049464234	---	
17365070	7,159726	7,410101	7,469078	7,210906	7,672869	7,364099	7,3463017	7,415958	0,06965633	1,049466659	---	
17538787	11,17535	11,26137	11,43013	11,45568	11,38309	11,23707	11,28895	11,35861333	0,06966333	1,049471751	---	
17356848	8,900896	8,931042	9,032112	8,961706	8,969275	9,142067	8,9546833	9,024349333	0,069666	1,049473691	Sf1	
17341905	5,07174	4,796074	5,06354	4,948399	4,897875	5,294085	4,977118	5,046786333	0,06966833	1,049475388	Rab26	
17286783	7,814644	7,802511	7,895216	7,878363	7,979889	7,863125	7,837457	7,907125667	0,06966867	1,04947563	BC024659	
17455431	7,123297	7,085848	6,925825	7,112826	7,060669	7,170483	7,04499	7,114659333	0,06966933	1,049476115	Katnal1	

17542098	3,461526	3,375596	3,560641	3,443217	3,808787	3,35477	3,465921	3,535591333	0,06967033	1,049476843	---	
17264676	4,990026	4,941539	4,921908	5,111571	4,982644	4,968287	4,9511577	5,020834	0,06967633	1,049481208	Dnahc2	
17200061	4,06781	3,744006	4,344316	4,307886	3,974004	4,083271	4,052044	4,121720333	0,06967633	1,049481208	---	
17329074	5,409293	5,242063	5,398197	5,337287	5,423086	5,498232	5,349851	5,419535	0,069684	1,049486785	Map6d1	
17300163	6,451203	6,582935	6,759399	6,694017	6,713501	6,595074	6,5978457	6,667530667	0,069685	1,049487512	---	
17476487	5,420052	5,279899	5,44894	5,515674	5,368433	5,47385	5,3829637	5,452652333	0,06968867	1,049490179	---	
17432535	3,722462	3,925292	3,848682	3,875747	3,987605	3,842198	3,8321453	3,90185	0,06970467	1,049501819	Pramel5	
17490953	8,184297	7,926954	8,010743	7,924517	8,232211	8,174439	8,0406647	8,110389	0,06972433	1,049516125	---	
17367765	7,47017	7,641623	7,424467	7,692603	7,656262	7,396593	7,5120867	7,581819333	0,06973267	1,049522188	Pnpla7	
17299872	5,89279	5,790471	5,859353	5,979496	5,89279	5,879532	5,847538	5,917272667	0,06973467	1,049523643	---	
17299949	5,89279	5,790471	5,859353	5,979496	5,89279	5,879532	5,847538	5,917272667	0,06973467	1,049523643	---	
17340522	12,53142	12,61544	12,59231	12,66072	12,66184	12,62582	12,579723	12,64946	0,06973667	1,049525098	Ftl1 // Ftl1	
17418483	12,53142	12,61544	12,59231	12,66072	12,66184	12,62582	12,579723	12,64946	0,06973667	1,049525098	Ftl1 // Ftl1	
17505191	5,569953	5,294907	5,456913	5,536352	5,557695	5,436955	5,440591	5,510334	0,069743	1,049529705	Has3	
17233637	11,49641	11,72015	11,3583	11,46277	11,63109	11,69028	11,524953	11,59471333	0,06976	1,049542072	---	
17370941	4,380131	4,157955	4,283288	4,420505	4,390591	4,219563	4,2737913	4,343553	0,06976167	1,049543285	Gm13546	
17285889	10,31978	10,19117	10,13212	10,3187	10,32694	10,20672	10,214357	10,28412	0,06976333	1,049544497	Slc17a2 // Slc17a2	
17227348	7,023031	7,027913	7,077694	7,027906	7,199385	7,110707	7,0428793	7,112666	0,06978667	1,049561472	Nav1	
17470146	5,936259	5,912051	5,965037	6,232895	5,891126	5,898738	5,9377823	6,007586333	0,069804	1,049574082	1700069P05Rik	
17271920	8,663576	8,791017	8,669608	8,775814	8,881555	8,676285	8,708067	8,777884667	0,06981767	1,049584025	Hn1	
17416687	6,048145	6,015777	5,641573	5,910199	5,960109	6,044644	5,9018317	5,971650667	0,069819	1,049584995	---	
17387888	4,161607	4,455895	4,264745	4,647422	4,335699	4,108656	4,2940823	4,363925667	0,06984333	1,049602698	Olfr1219	
17248288	6,22815	6,239472	6,383672	6,281446	6,381655	6,397738	6,2837647	6,353613	0,06984833	1,049606336	Sh3pxd2b	
17392617	3,326216	3,378147	3,367328	3,352985	3,424312	3,503948	3,3572303	3,427081667	0,06985133	1,049608518	---	
17489223	10,07451	10,22877	10,2564	10,05199	10,39075	10,3265	10,18656	10,25641333	0,06985333	1,049609973	Cox6b1	
17398082	7,274345	7,481788	7,341282	7,295628	7,663934	7,347414	7,365805	7,435658667	0,06985367	1,049610216	Tiparp	
17321484	4,876303	4,338569	4,734842	4,812867	4,985059	4,361357	4,6499047	4,719761	0,06985633	1,049612156	C1ql4	
17218616	2,89565	2,887976	2,913183	2,850222	3,16537	2,890804	2,8989363	2,968798667	0,06986233	1,049616521	---	
17427901	6,709354	6,668992	6,599357	6,800313	6,741975	6,645018	6,6592343	6,729102	0,06986767	1,049620401	2210012G02Rik	
17340599	6,484532	5,626275	5,962783	6,195232	6,02925	6,058718	6,02453	6,0944	0,06987	1,049622099	Tmem181b-ps // Tmem181b-ps // Tmem	
17359946	9,56768	9,668628	9,542752	9,530774	9,773999	9,68391	9,59302	9,662894333	0,06987433	1,049625252	---	
17264562	7,102635	7,060124	7,134502	7,185914	7,196661	7,124325	7,099087	7,168966667	0,06987967	1,049629132	Cntrob	
17200399	2,723852	2,691907	3,107927	2,840481	3,083171	2,809673	2,8412287	2,911108333	0,06987967	1,049629132	---	
17457496	3,357407	3,397	3,18236	3,544337	3,256485	3,345585	3,3122557	3,382135667	0,06988	1,049629374	---	
17511466	3,914024	3,879347	3,676538	4,0466	3,764108	3,868843	3,823303	3,893183667	0,06988067	1,049629859	Gm10637	
17313611	7,392833	7,395791	7,52608	7,435252	7,607753	7,4814	7,4382347	7,508135	0,06990033	1,049644168	Gm20324	
17207415	3,604889	3,047559	3,212468	3,540245	3,123289	3,411124	3,2883053	3,358219333	0,069914	1,049654111	---	
17205859	6,896003	6,354099	6,66913	7,002654	6,632665	6,493665	6,639744	6,709661333	0,06991733	1,049656536	---	
17329946	6,210809	6,286575	6,254282	6,281489	6,322828	6,357118	6,2505553	6,320478333	0,069923	1,049660659	Kalrn	
17418271	7,270051	7,166212	7,585576	7,346757	7,266447	7,618434	7,340613	7,410546	0,069933	1,049667935	Fhl3	
17280571	4,579954	4,833225	4,688853	4,750178	4,79618	4,765493	4,7006773	4,770617	0,06993967	1,049672786	Gpr22	
17409130	5,206748	4,998463	5,072887	4,99732	5,267945	5,222655	5,0926993	5,16264	0,06994067	1,049673513	Gstm3	
17260740	5,694497	6,233134	6,089056	6,040139	5,984505	6,201875	6,0055623	6,075506333	0,069944	1,049675938	---	
17428223	5,653536	5,684934	5,971003	5,905909	5,796071	5,817328	5,7698243	5,839769333	0,069945	1,049676666	---	
17344316	5,0941	5,344548	5,302643	5,372287	5,378902	5,199987	5,247097	5,317058667	0,06996167	1,049688792	Lta	
17330815	8,382771	8,526258	8,47887	8,466061	8,536425	8,595299	8,462633	8,532595	0,069962	1,049689035	Dzip3	
17253452	7,109001	7,02159	7,174873	7,29543	7,090633	7,129308	7,1018213	7,171790333	0,069969	1,049694128	BC017647	
17279789	7,036691	6,827162	7,121676	7,088901	7,116806	6,98973	6,9951763	7,065145667	0,06996933	1,049694371	Cenpo	
17548381	3,66149	3,513686	3,767546	3,936612	3,666208	3,549852	3,647574	3,717557333	0,06998333	1,049704557	1700010M22Rik // 1700010M22Rik	
17479596	7,862959	7,953886	7,690314	7,892088	7,986734	7,838305	7,8357197	7,905709	0,06998933	1,049708922	Hddc3	
17320413	7,721958	7,860853	7,812871	7,919156	7,829677	7,856848	7,7985607	7,868560333	0,06999967	1,049716441	Sbf1	
17501075	5,509742	5,530909	5,643419	5,574012	5,654798	5,665264	5,5613567	5,631358	0,07000133	1,049717654	---	
17418625	5,776382	5,512153	6,020112	5,954566	5,78501	5,779101	5,769549	5,839559	0,07001	1,04972396	5730409E04Rik	
17298984	4,659849	4,971333	4,884562	5,13535	4,770054	4,820393	4,8385813	4,908599	0,07001767	1,049729538	---	
17492160	8,693354	8,62688	8,559744	8,626927	8,629035	8,834096	8,6266593	8,696686	0,07002667	1,049736087	1810026B05Rik	
17218261	8,299197	8,33556	8,501745	8,258492	8,639451	8,448644	8,378834	8,448862333	0,07002833	1,049737299	Ncf2	
17481194	3,869863	3,795659	3,53764	3,985771	3,675462	3,752074	3,7343873	3,804435667	0,07004833	1,049751852	Olfr598	
17508063	7,573396	7,721458	7,637741	7,724094	7,756021	7,662626	7,6441983	7,714247	0,07004867	1,049752094	Polb	
17360331	8,430932	8,491143	8,450486	8,473686	8,650138	8,458912	8,4575203	8,527578667	0,07005833	1,049759128	Mxi1	
17377197	3,795022	3,952415	3,548615	4,081481	3,98143	3,443352	3,7653507	3,835421	0,07007033	1,04976786	---	
17285332	8,42415	8,602067	8,476368	8,715788	8,596499	8,4006	8,5008617	8,570962333	0,07010067	1,049789932	B3galnt2	
17284170	10,34107	10,46004	10,28571	10,3021	10,55891	10,43612	10,362273	10,43237667	0,07010333	1,049791872	2010107E04Rik	
17297359	8,111191	7,973551	7,849164	8,023502	8,040943	8,079781	7,9779687	8,048075333	0,07010667	1,049794298	Thrb	
17325663	4,271567	4,03587	4,280025	4,299703	4,434866	4,063265	4,1958207	4,265944667	0,070124	1,049806911	D930030D11Rik	
17366352	7,774968	7,962497	7,415604	7,858842	7,763241	7,741365	7,7176897	7,787816	0,07012633	1,049808609	Sp110 // Sp110 // Sp110	
17333739	5,267303	5,215439	5,214846	5,506083	5,312728	5,089206	5,2325293	5,302672333	0,070143	1,049820737	Fpr3	
17520101	5,090048	4,518431	4,829427	4,638848	5,040523	4,969005	4,8126353	4,882792	0,07015667	1,049830682	Trim43a	
17369986	6,20779	5,863876	6,332742	6,149639	6,392432	6,072808	6,1348027	6,204959667	0,070157	1,049830924	Ptrh1	
17386721	3,977407	4,133115	4,018937	4,106526	4,168698	4,064726	4,043153	4,113316667	0,07016367	1,049835776	Ttc30a1	
17464008	5,644902	5,303516	5,84629	5,843702	5,896617	5,264891	5,598236	5,668403333	0,07016733	1,049838444	---	
17488122	8,053924	8,177336	8,215113	8,347359	8,091143	8,218387	8,148791	8,218963	0,070172	1,04984184	Egln2	
17352933	8,173426	8,016176	7,967718	8,020959	8,124085	8,222939	8,05244	8,122661	0,070221	1,049877497	Dsc2	
17383501	5,574137	5,345666	5,419902	5,678526	5,386862	5,484997	5,4465683	5,516795	0,07022667	1,049881621	---	
17475685	5,743904	5,949183	5,339987	5,756736	5,727828	5,759271	5,6776913	5,747945	0,07025367	1,04990127	Zfp60	
17458605	5,776966	5,767213	5,940887	5,866107	5,887039	5,94271	5,8283553	5,898618667	0,07026333	1,049908305	2700086A05Rik	
17543836	3,133567	3,3707	3,487509	3,315016	3,557688	3,329945	3,330592	3,400883	0,070291	1,049928439	---	
17528963	6,290383	6,629315	6,267249	6,69963	6,48671	6,2115	6,395649	6,465946667	0,07029767	1,049933291	Lrrc1	
17318025	6,057297	5,918414	6,208649	6,304245	6,059505	6,031537	6,0614533	6,131762333	0,070309	1,049941539	D730001G18Rik	
17467505	3,878855	3,930782	3,573174	3,750235	4,014781	3,828729	3,7942703	3,864581667	0,07031133	1,049943237	---	
17250113	2,787216	2,869341	3,263017	3,235085	2,931593	2,963996	2,9731913	3,043558	0,07036667	1,049983507	Olfr312	
17502406	5,437968	5,479526	5,408172	5,612453	5,595893	5,328454	5,4418887	5,512266667	0,070378	1,049991756	Hsh2d	
17471160	5,620158	5,55176	5,73987	5,636028	5,970193	5,516741	5,6372627	5,707654	0,07039133	1,05000146	Kcna6	
17324663	6,5498	6,858252	7,240204	6,828942	6,878829	7,15166	6,882752	6,953143667	0,07039167	1,050001702	---	
17332050	7,839009	7,86729	7,732521	7,801956	7,887626	7,960458	7,81294	7,883346667	0,07040667	1,050012619	Synj1	
17210263	7,012792	7,211082	7,344287	7,193843	7,124015	7,461554	7,189387	7,259804	0,070417	1,05002014	---	
17210285	7,012792	7,211082	7,344287	7,193843	7,124015	7,461554	7,189387	7,259804	0,070417	1,05002014	---	
17268714	4,253954	4,392789	4,31646	4,417241	4,441309	4,31591	4,3210677	4,391486667	0,070419	1,050021596	Stac2	
17507175	3,685423	3,48123	3,866404	3,858839	3,614699	3,770777	3,6776857	3,748105	0,07041933	1,050021838	Cd209e	
17254093	7,974715	7,995127	8,059685	8,050209	8,15789	8,032693	8,0098423	8,080264	0,07042167	1,050023537	Lig3	
17339572	4,065654	4,312485	4,199574	4,49918	4,267651	4,022164	4,192571	4,262998333	0,07042733	1,050027661	---	
17449543	11,23523	11,10199	11,32962	11,35775	11,31754	11,20288	11,22228	11,29272333	0,07044333	1,050039306	---	
17217840	4,567862	4,895109	4,739112	4,649724	4,983134	4,780602	4,7340277	4,804486667	0,070459	1,050050709	---	
17238830	6,822096	7,205895	6,763214	7,054246	7,244885	6,703476	6,9304017	7,000869	0,07046733	1,050056774	Syne1	
17281941	4,825847	4,715593	4,612599	4,838968	4,696115	4,830359	4,718013	4,788480667	0,07046767	1,050057017	Gphb5	
17293806	6,56303	6,77985	6,594396	6,926707	6,590345	6,631635	6,6457587	6,716229	0,07047033	1,050058958	2410141K09Rik	
17444486	5,848085	5,456784	5,773877	5,754754	5,747488	5,787931	5,6929153	5,763391	0,07047567	1,05006284	Bri3	
17407426	3,529878	3,71923	3,528315	3,705908	3,715719	3,567253	3,5924743	3,66296	0,07048567	1,050070118	Lce6a	
17305813	7,509928	7,570034	7,554305	7,516905	7,768278	7,560594	7,5447557	7,615259	0,07050333	1,050082977	Atg14	
17357827	10,01185	10,09872	9,799917	10,12116	10,02928	9,971562	9,9701623	10,04066733	0,070505	1,05008419	Gm4952	
17271139	3,926685	3,678643	3,749801	3,941539	4,046103	3,57906	3,785043	3,855567333	0,07052433	1,050098262	---	
17401269	6,377017	6,481409	6,407217	6,350078	6,411124	6,716017	6,421881	6,492406333	0,07052533	1,05009899	Ptpn22	
17528023	9,893694	9,928268	9,828648	9,940382	9,965327	9,956526	9,8835367	9,954078333	0,07054167	1,050110879	Pias1	
17294775	4,021863	3,821946	3,802666	4,021989	3,957406	3,878717	3,8821583	3,952704	0,07054567	1,05011379	Atp6ap1l	
17213503	5,790721	5,721121	5,851033	5,877065	5,798178	5,899292	5,787625	5,858178333	0,07055333	1,050119371	9530026F06Rik	
17373940	5,092407	4,846979	4,850855	5,004987	5,065882	4,931035	4,9300803	5,000634667	0,07055433	1,050120099	4930527A07Rik // 4930527A07Rik	
17536620	3,256664	3,253765	3,138608	3,160944	3,333448	3,366331	3,2163457	3,286907667	0,070562	1,050125679	---	
17495305	10,61353	10,7534	10,39081	10,59166	10,62293	10,75487	10,585913	10,65648667	0,07057333	1,050133929	---	
17209579	5,575911	5,769956	5,613052	5,779626	5,870486	5,520587	5,652973	5,723566333	0,07059333	1,050148487	---	
17276893	10,7388	10,81441	10,77786	10,82765	10,8781	10,83714	10,777023	10,84763	0,07060667	1,05015858	Srsf5	
17365511	5,581926	5,255562	5,620443	5,554207	5,61578	5,49983	5,4859963	5,556605667	0,07060933	1,050160133	Col17a1	
17354795	6,731962	6,871013	6,667627	6,695919	6,9531	6,833424	6,7568673	6,827481	0,07061367	1,050163287	Pcyox1l	
17444002	7,683308	7,490122	7,671282	7,628426	7,702296	7,725851	7,614904	7,685524333	0,07062033	1,05016814	Gpr146	
17276928	4,496123	4,133387	4,777752	4,644687	4,479749	4,494688	4,4690873	4,539708	0,07062067	1,050168383	6530401F13Rik	
17336649	4,988372	4,953165	5,162048	5,033532	5,105849	5,176103	5,0345283	5,105161333	0,070633	1,050177361	Prrt1	
17419857	5,629219	5,529943	5,819189	5,755181	5,78565	5,649446	5,6594503	5,730092333	0,070642	1,050183912	4930555I21Rik	
17469365	8,26424	8,29128	8,170131	8,334934	8,329862	8,272783	8,2418837	8,312526333	0,07064267	1,050184397	Frmd4b	
17494183	6,299776	5,835306	6,43015	6,356003	6,006901	6,414269	6,1884107	6,259057667	0,070647	1,050187552	Olfr612	
17530782	6,777954	7,019841	6,685436	6,933948	6,933532	6,827724	6,8277437	6,898401333	0,07065767	1,050195316	Manf	
17397962	6,837698	6,970604	6,898182	7,014924	6,955901	6,947633	6,9021613	6,972819333	0,070658	1,050195559	Rap2b	
17359340	4,960052	4,711461	4,828256	5,037442	4,758547	4,91581	4,8332563	4,903933	0,07067667	1,050209147	Tctn3	
17277084	8,735533	8,784634	8,7004	8,76318	8,872849	8,796583	8,740189	8,810870667	0,07068167	1,050212787	Psen1	
17437425	8,489673	8,48923	8,446075	8,482269	8,608492	8,546283	8,4749927	8,545681333	0,07068867	1,050217883	Anapc4	
17329759	4,730555	4,499465	4,642792	4,541701	4,954035	4,589164	4,6242707	4,694966667	0,070696	1,050223221	Apod	
17229336	4,96661	4,962327	5,009204	4,959216	5,201938	4,989078	4,9793803	5,050077333	0,070697	1,050223949	Pogk	
17430151	2,890061	3,047482	3,067745	3,07939	3,090452	3,047593	3,0017627	3,072478333	0,07071567	1,050237538	---	
17267822	9,629606	9,806376	9,969099	9,977354	9,841349	9,798553	9,8016937	9,872418667	0,070725	1,050244332	Luc7l3	
17337888	7,13682	7,143181	7,250578	7,093024	7,275951	7,373779	7,1768597	7,247584667	0,070725	1,050244332	B230354K17Rik	
17465482	3,168122	3,167109	3,275512	3,286733	3,396585	3,13964	3,203581	3,274319333	0,07073833	1,050254038	Mir183	
17395277	9,8221	10,06564	9,943435	10,09913	9,883917	10,06038	9,943725	10,01447567	0,07075067	1,050263017	Etohi1 // Etohi1	
17217182	5,895202	6,380339	6,202628	6,306145	6,036734	6,347594	6,1593897	6,230157667	0,070768	1,050275635	Nuak2	
17311329	3,261606	3,173635	3,070478	3,015588	3,301533	3,400954	3,168573	3,239358333	0,07078533	1,050288254	---	
17391475	11,424	11,48521	11,23936	11,55918	11,49641	11,30536	11,382857	11,45365	0,07079333	1,050294078	---	
17369487	6,500693	6,197281	6,061496	6,432739	6,328116	6,211066	6,2531567	6,323973667	0,070817	1,050311308	Ass1	
17458769	3,188546	3,12361	3,027703	3,128158	3,190439	3,233728	3,1132863	3,184108333	0,070822	1,050314948	---	

17230609	4,838942	4,592284	5,019759	4,979547	4,896415	4,78758	4,816995	4,887847333	0,07085233	1,050337032	---
17374000	6,393661	6,46358	6,30534	6,270185	6,502294	6,602714	6,387527	6,458397667	0,07087067	1,050350379	Dcdc5
17203095	7,020759	7,263361	6,797986	6,99138	6,921108	7,382264	7,0273687	7,098250667	0,070882	1,05035863	---
17349572	8,489006	8,497452	8,443536	8,585203	8,582659	8,474797	8,4766647	8,547553	0,07088833	1,050363241	Paip2
17201641	6,39166	6,439847	6,32669	6,624635	6,44583	6,300412	6,3860657	6,456959	0,07089333	1,050366882	---
17287272	3,982375	3,945424	3,954459	4,010335	4,052701	4,031914	3,9607527	4,03165	0,07089733	1,050369794	Gm806
17432141	4,220334	4,347222	4,65845	4,51061	4,433256	4,494865	4,4086687	4,479577	0,07090833	1,050377802	---
17204195	4,702436	4,682938	4,282979	5,164009	4,781725	3,935348	4,5561177	4,627027333	0,07090967	1,050378773	---
17414482	7,842119	7,667103	7,633974	7,789132	7,761696	7,805125	7,7143987	7,785317667	0,070919	1,050385569	Snx30
17500812	3,223588	3,150939	3,194764	3,254093	3,283946	3,244069	3,1897637	3,260702667	0,070939	1,05040013	---
17520856	6,481811	6,292093	6,433269	6,628278	6,443813	6,347977	6,402391	6,473356	0,070965	1,05041906	Amotl2
17200973	8,677238	8,680723	8,654854	8,394483	8,862379	8,96887	8,6709383	8,741910667	0,07097233	1,0504244	---
17302156	3,937463	4,144664	4,40691	4,527894	3,999016	4,175066	4,1630123	4,233992	0,07097967	1,050429739	---
17523332	7,862029	8,008938	7,970652	8,136575	7,896989	8,021025	7,9472063	8,018196333	0,07099	1,050437263	Nktr
17435816	8,05094	8,005616	7,96123	8,124124	8,066208	8,040465	8,0059287	8,076932333	0,07100367	1,050447214	4930471M23Rik
17378460	4,140144	4,445748	4,691741	4,54138	4,409912	4,539355	4,4258777	4,496882333	0,07100467	1,050447942	Fam83c // Fam83c
17270960	3,582178	3,309126	3,505336	3,367366	3,632636	3,609703	3,4655467	3,536568333	0,07102167	1,05046032	---
17505927	7,593432	7,39845	7,360283	7,429241	7,582329	7,553666	7,4507217	7,521745333	0,07102367	1,050461776	Atmin
17219499	9,339084	9,315412	9,274413	9,381192	9,413239	9,347575	9,3096363	9,380668667	0,07103233	1,050468087	Dcaf8
17371318	4,302619	4,061156	4,038599	4,287573	4,183556	4,144352	4,1341247	4,205160333	0,07103567	1,050470514	---
17201827	4,717534	4,621352	4,65206	4,966967	4,496274	4,740828	4,6636487	4,734689667	0,071041	1,050474397	---
17347163	6,75035	7,142813	6,940728	7,068331	7,125682	6,853053	6,9446303	7,015688667	0,07105833	1,050487018	Xdh
17548319	3,717576	3,724883	3,842348	4,00892	3,728344	3,760719	3,7616023	3,832661	0,07105867	1,050487261	Plekhm2 // Plekhm2
17506502	6,134338	6,410084	6,450512	6,109175	6,76184	6,337118	6,3316447	6,402711	0,07106633	1,050492843	Rpl13
17446536	7,203302	7,276811	7,182804	7,228145	7,293273	7,354755	7,2209723	7,292057667	0,07108533	1,050506678	---
17218044	3,92032	4,030261	4,094551	4,103113	4,004899	4,150413	4,015044	4,086141667	0,07109767	1,050515659	Fam5c
17473985	5,756597	5,721884	5,713501	5,893746	5,607655	5,90388	5,7306607	5,801760333	0,07109967	1,05051715	---
17350369	5,382463	5,665601	5,472697	5,659199	5,283209	5,791675	5,5069203	5,578027667	0,07110733	1,050522698	Ap3s1
17524648	8,62444	8,90174	8,994509	8,995904	8,927201	8,810909	8,8402297	8,911338	0,07110833	1,050523426	Cdc37
17233633	11,83804	11,89984	11,85301	11,91555	12,02039	11,86835	11,86363	11,93476333	0,07113333	1,05054163	---
17484014	9,245141	9,183535	9,119261	9,27531	9,271667	9,214372	9,1826457	9,253783	0,07113733	1,050544543	Acadsb
17423601	5,435755	5,253781	5,221299	5,487117	5,396468	5,240679	5,3036117	5,374754667	0,071143	1,050548669	Nkain3
17252557	8,782967	8,957043	8,790254	8,829767	8,985302	8,928642	8,8434213	8,914570333	0,071149	1,050553038	1200014J11Rik
17550510	6,743558	6,737552	6,622085	6,675496	6,813647	6,827512	6,701065	6,772218333	0,07115333	1,050556194	---
17262384	5,780869	5,385965	5,571913	5,532114	5,860458	5,559722	5,5795823	5,650764667	0,07118233	1,050577312	---
17310584	4,372242	4,47443	4,392191	4,464657	4,619744	4,368036	4,4129543	4,484145667	0,07119133	1,050583865	Gm5468
17404859	5,282248	4,973936	4,999448	5,051227	5,245592	5,172388	5,0852107	5,156402333	0,07119167	1,050584108	Trpc3
17243629	4,520175	4,625178	4,43895	4,613563	4,634736	4,549628	4,528101	4,599309	0,071208	1,050596002	Gm6613
17270269	7,391959	7,328907	7,216303	7,473226	7,303314	7,374263	7,3123897	7,383601	0,07121133	1,05059843	Gpatch8
17278709	3,547825	3,507291	3,576296	3,308611	3,662047	3,874406	3,543804	3,615021333	0,07121733	1,050602799	Rtl1 // Rtl1
17472517	6,517674	6,091144	6,180319	6,374509	6,246789	6,381537	6,2630457	6,334278333	0,07123267	1,050613965	Ldhb
17379110	4,899843	4,489209	4,884974	4,590588	5,152313	4,744829	4,7580087	4,829243333	0,07123467	1,050615422	---
17474217	6,13989	6,20163	6,14786	6,254133	6,278828	6,170141	6,1631267	6,234367333	0,07124067	1,050619791	Ptgir
17269130	3,680123	4,189932	3,5698	4,175381	3,785895	3,692318	3,813285	3,884531333	0,07124633	1,050623918	Krtap3-2
17494453	4,550374	4,654202	4,572369	4,83514	4,624165	4,531392	4,592315	4,663565667	0,07125067	1,050627073	Olfr671
17441188	3,532594	3,753012	3,655193	3,741595	3,766229	3,646795	3,646933	3,718206333	0,07127333	1,05064358	---
17240291	6,777405	6,805832	6,76469	6,824463	6,959177	6,77813	6,7826423	6,853923333	0,071281	1,050649164	AA474331
17468571	5,076423	5,233056	5,367115	5,211564	5,355478	5,323492	5,2255313	5,296844667	0,07131333	1,050672711	2610306M01Rik
17300368	9,178831	9,328074	9,136168	9,431029	9,160418	9,265577	9,2143577	9,285674667	0,071317	1,050675381	---
17269672	5,30559	5,280212	5,162573	5,268579	5,271263	5,422513	5,2494583	5,320785	0,07132667	1,050682421	Hcrt
17491480	5,096313	5,171632	5,465255	5,205944	5,421062	5,320178	5,2444	5,315728	0,071328	1,050683392	Gabra5
17444792	8,043994	8,177279	7,716683	8,081342	8,025553	8,045051	7,9793187	8,050648667	0,07133	1,050684849	Rpl21
17516412	5,571485	5,565104	5,484426	5,807779	5,412554	5,614719	5,5403383	5,611684	0,07134567	1,050696258	2610203C20Rik
17303599	5,78002	5,990148	5,718478	5,95123	5,839605	5,911851	5,8295487	5,900895333	0,07134667	1,050696987	Oxsm
17482126	6,526841	7,236552	6,996221	7,051022	7,106511	6,816132	6,9198713	6,991221667	0,07135033	1,050699657	---
17232178	4,055143	4,264664	4,150385	4,150385	4,352498	4,181375	4,1567307	4,228086	0,07135533	1,050703299	Taar3
17460891	6,642919	6,843643	6,895571	6,915307	6,885496	6,795414	6,7940443	6,865405667	0,07136133	1,050707668	Fbln2
17382149	4,137943	4,051353	3,958378	4,200202	4,323034	3,838632	4,0492247	4,120622667	0,071398	1,050734373	---
17375859	6,797893	6,938649	6,809421	6,889925	6,852061	7,018236	6,8486543	6,920074	0,07141967	1,050750153	Dusp2
17473402	7,214557	7,241933	7,209358	7,488687	7,179798	7,211652	7,2219493	7,293379	0,07142967	1,050757436	Isoc2a
17366936	4,726567	4,700159	4,288357	4,704467	4,285779	4,939137	4,5716943	4,643127667	0,07143333	1,050760107	---
17254976	6,923522	6,497153	6,969516	6,867504	6,924416	6,812594	6,7967303	6,868171333	0,071441	1,050765691	Mir378b
17486537	3,446064	3,263542	3,526484	3,526173	3,430949	3,49333	3,41203	3,483484	0,071454	1,050775159	Vmn2r53
17285140	4,905932	4,378303	5,085644	5,022441	4,74835	4,813533	4,7899597	4,861441333	0,07148167	1,05079531	---
17374678	7,06597	7,15288	6,98024	7,007342	7,332726	7,073529	7,0663633	7,137865667	0,07150233	1,050810363	Chst14
17480131	8,233057	8,091406	8,132146	8,203441	8,223065	8,244619	8,152203	8,223708333	0,07150533	1,050812548	Crebzf
17493901	3,980403	4,366689	4,449264	4,21816	4,349717	4,442995	4,265452	4,336957333	0,07150533	1,050812548	---
17232881	4,601501	4,258452	4,35974	4,638224	4,344845	4,451148	4,4065643	4,478072333	0,071508	1,05081449	Ppil6
17221081	8,96845	8,950653	8,961249	9,00929	9,025762	9,059828	8,9601173	9,031626667	0,07150933	1,050815462	Mrpl15
17541010	7,257572	7,422451	7,506074	7,576571	7,424741	7,399345	7,3953657	7,466885667	0,07152	1,050823231	Upf3b
17460593	9,521316	8,546335	8,942578	9,167473	9,25744	8,799892	9,0034097	9,074935	0,07152533	1,050827116	---
17289196	6,124745	6,073626	6,074966	6,379002	6,002957	6,105955	6,0911123	6,162638	0,07152567	1,050827358	Lhfpl2
17372810	4,659787	4,276403	4,930389	5,309337	3,920366	4,851472	4,622193	4,693725	0,071532	1,050831971	Olfr1076
17309172	8,225548	8,433374	8,189225	8,386997	8,342364	8,333385	8,2827157	8,354248667	0,071533	1,0508327	Mycbp2
17424088	7,953884	8,387741	8,434237	8,554033	8,001726	8,434707	8,2586207	8,330155333	0,07153467	1,050833914	Mir5123
17389121	6,796971	6,782137	6,759644	6,840327	6,889506	6,823621	6,779584	6,851151333	0,07156733	1,050857708	Mettl15
17443803	4,525013	4,535287	4,794018	4,760036	4,696973	4,612058	4,618106	4,689689	0,071583	1,050869119	BC055004
17310989	8,873225	8,935038	8,915559	8,927629	9,009697	9,001247	8,9079407	8,979524333	0,07158367	1,050869605	Vps13b
17372460	3,100819	3,02323	3,25626	3,05564	3,415616	3,123861	3,1267697	3,198372333	0,07160267	1,050883445	---
17416751	10,87643	10,68102	10,66543	10,73146	10,9322	10,77409	10,74096	10,81258333	0,07162333	1,050898499	---
17337608	3,169845	2,857367	3,087787	3,086843	3,356442	2,886624	3,038333	3,109969667	0,07163667	1,050908211	Olfr125
17401086	9,046725	9,155894	8,808871	9,133676	8,892573	9,200155	9,00383	9,075468	0,071638	1,050909183	Sike1
17201123	9,193943	9,428608	9,117749	9,174844	9,508	9,27244	9,2467667	9,318428	0,07166133	1,05092618	---
17236620	4,447551	4,309942	4,076664	4,367711	4,318043	4,363402	4,2780523	4,349718667	0,07166633	1,050929822	---
17548147	11,20761	11,37153	11,32285	11,3683	11,27302	11,47573	11,300663	11,37235	0,07168667	1,050944634	---
17447835	7,416918	7,471392	7,136034	7,268658	7,787698	7,183119	7,341448	7,413158333	0,07171033	1,050961874	Prom1
17377661	5,707932	5,602789	5,909126	5,883993	5,82288	5,728111	5,739949	5,811661333	0,07171233	1,050963331	Scrt2
17319097	4,668617	4,591155	4,654432	4,709022	4,735612	4,684813	4,638068	4,709815667	0,07174767	1,050989071	---
17301746	5,607521	5,74041	5,680398	5,834782	5,617469	5,79142	5,6761097	5,747890333	0,07178067	1,051013111	Lgi3
17363954	7,505142	7,569522	7,510998	7,610847	7,656381	7,533858	7,528554	7,600362	0,071808	1,051033024	Sgms1
17450931	6,433163	6,507491	6,479996	6,517555	6,438362	6,680254	6,47355	6,545390333	0,07184033	1,05105658	---
17248790	4,438523	4,447162	4,479787	4,621449	4,479787	4,479787	4,4551573	4,527007667	0,07185033	1,051063865	Itk
17420079	6,674969	6,767529	6,391809	6,725442	6,583562	6,740886	6,6114357	6,683296667	0,071861	1,051071636	Zfp46
17258210	4,832893	5,189756	5,060471	5,034523	5,08501	5,179258	5,0277067	5,099597	0,07189033	1,051093007	4933422H20Rik
17242548	4,719108	4,705391	4,696504	4,809313	4,907987	4,619402	4,707001	4,778900667	0,07189967	1,051099807	Casp14
17206757	6,001963	5,523782	5,573011	5,760644	5,507345	6,046542	5,6995853	5,771510333	0,071925	1,051118264	---
17407823	3,623689	3,540171	3,589164	3,688947	3,60338	3,67661	3,5843413	3,656312333	0,071971	1,051151779	4930558C23Rik
17532485	5,343911	5,499878	5,620406	5,721794	5,351796	5,606645	5,488065	5,560078333	0,07201333	1,051182624	Tmem158
17233640	11,35685	11,17893	11,22587	11,32083	11,38583	11,27108	11,253883	11,32591333	0,07203	1,051194768	---
17279537	3,686696	3,721541	3,850083	3,695722	4,006485	3,772207	3,7527733	3,824804667	0,07203133	1,051195739	---
17453657	5,668277	5,68047	6,094278	5,909307	6,033868	5,71596	5,8143417	5,886378333	0,07203667	1,051199625	Srcrb4d
17494668	3,5083	4,11294	3,564772	3,783453	3,792912	3,825773	3,7286707	3,800712667	0,072042	1,051203511	Gm4759
17207509	3,095629	3,301165	3,036186	3,322782	3,13835	3,188056	3,1443267	3,216396	0,07206933	1,051223428	---
17411364	5,445051	4,991562	4,957956	4,905767	5,138369	5,566683	5,131523	5,203606333	0,07208333	1,051233629	Tnni3k
17358664	10,46561	10,27839	10,42401	10,43823	10,48035	10,4657	10,389337	10,46142667	0,07209	1,051238487	A1cf
17392828	5,918522	5,935266	5,977473	5,976119	6,200113	5,871312	5,9437537	6,015848	0,07209433	1,051241644	---
17209169	7,14644	6,946057	7,390935	7,209202	7,187839	7,302682	7,161144	7,233241	0,072097	1,051243587	---
17358617	9,64674	9,619567	9,722215	9,795667	9,69306	9,71613	9,6628407	9,734952333	0,07211167	1,051254275	Uhrf2
17457697	3,462152	3,388775	3,210353	3,609625	3,412014	3,255991	3,35376	3,425876667	0,07211667	1,051257918	---
17462926	10,29331	10,31656	10,42611	10,43735	10,38787	10,42713	10,345327	10,41745	0,07212333	1,051262776	Phb2
17487905	6,488372	6,484499	6,425965	6,564749	6,704687	6,345865	6,4662787	6,538433667	0,072155	1,051285851	Pafah1b3
17349926	4,68221	4,346467	4,129019	4,478903	4,379313	4,516009	4,3858987	4,458075	0,07217633	1,051301396	Pcdhb17
17337400	5,128659	4,866807	5,263618	4,980415	5,261219	5,234044	5,0863613	5,158559333	0,072198	1,051317185	---
17516691	5,639449	5,748359	5,861314	5,633848	6,001027	5,830853	5,7497073	5,821909333	0,072202	1,0513201	Cd3d
17205161	3,425239	3,511897	3,137893	3,926589	3,324119	3,041055	3,358343	3,430587667	0,07224467	1,051351193	---
17209351	3,425239	3,511897	3,137893	3,926589	3,324119	3,041055	3,358343	3,430587667	0,07224467	1,051351193	---
17421856	8,721357	8,734531	8,454191	8,48298	8,816502	8,827374	8,636693	8,708952	0,072259	1,051361638	---
17300961	8,686428	8,553892	8,514923	8,709777	8,605372	8,656885	8,585081	8,657344667	0,07226367	1,051365039	Rcbtb1
17443310	10,91306	10,91338	10,88207	10,91687	11,01134	10,99711	10,902837	10,97510667	0,07227	1,051369654	Mdh2
17544356	2,98904	2,952178	3,042174	3,056724	3,037026	3,106465	2,994464	3,066738333	0,07227433	1,051372812	---
17525617	4,555418	4,275703	4,394362	4,51286	4,442576	4,48688	4,4084943	4,480772	0,07227767	1,051375241	Robo3
17283994	5,56325	5,2455	5,480511	5,273999	5,649445	5,582652	5,4297537	5,502032	0,07227833	1,051375727	1700001K19Rik
17226168	2,939994	3,000461	2,812203	2,890212	3,213209	2,866127	2,9175527	2,989849333	0,07229667	1,051389088	---
17381573	7,257377	7,284186	7,201344	7,279368	7,282825	7,397604	7,2476357	7,319932333	0,07229667	1,051389088	Atp5c1
17202837	7,508972	7,179002	6,968089	7,341151	6,833165	7,698694	7,2186877	7,291003333	0,07231567	1,051402935	---
17466397	8,447506	8,331659	8,093468	8,258899	8,550424	8,280302	8,2908777	8,363208333	0,07233067	1,051413866	Epha1
17387593	3,571033	3,817761	3,786049	3,837123	3,732226	3,82252	3,7249477	3,797289667	0,072342	1,051422126	4833423E24Rik
17453832	7,544966	8,042033	7,88553	7,830184	8,041847	7,817642	7,8241763	7,896557667	0,07238133	1,051450792	Trim56
17520849	3,119268	3,152388	3,270892	3,299483	3,141733	3,31851	3,1808493	3,253242	0,07239267	1,051459052	---
17381058	8,009691	8,074685	7,821292	7,966949	8,127945	8,028028	7,968556	8,040974	0,072418	1,051477515	Dnajc5
17231859	10,23099	10,18098	10,33981	10,30977	10,401	10,25828	10,250593	10,32301667	0,07242333	1,051481402	Ifngr1
17400043	6,353718	5,90689	6,278285	6,21626	6,193358	6,34658	6,179631	6,252066	0,072435	1,051489906	C2cd4d
17443523	6,805943	6,884031	6,990524	6,868524	6,97202	7,057325	6,8934993	6,965956333	0,072457	1,05150594	Ache
17202499	7,463491	8,239491	7,997952	8,408034	7,614535	7,895751	7,9003113	7,972773333	0,072462	1,051509584	---

17465212	8,738428	8,582242	8,397245	8,703899	8,596615	8,63479	8,5726383	8,645101333	0,072463	1,051510313	Wasl
17202639	3,508006	3,429128	3,703371	3,533759	3,587678	3,736501	3,546835	3,619312667	0,07247767	1,051521003	---
17526120	9,227489	9,103007	9,414045	9,364986	9,366693	9,230295	9,2481803	9,320658	0,07247767	1,051521003	Rnf26
17343160	6,244018	5,778918	5,910189	6,246691	5,791225	6,112662	5,9777083	6,050192667	0,07248433	1,051525862	Gm10503 // Gm10503
17201203	5,788944	7,22395	6,403729	5,874267	6,461434	7,29838	6,4722077	6,544693667	0,072486	1,051527077	---
17240484	7,074557	7,065393	7,077048	7,229114	6,969855	7,235503	7,0723327	7,144824	0,07249133	1,051530964	Cep57l1
17426765	9,620141	9,716452	9,562147	9,796138	9,622303	9,697782	9,6329133	9,705407667	0,07249433	1,051533151	Nfib
17407505	7,328197	7,295929	7,44628	7,462812	7,35251	7,472568	7,356802	7,429296667	0,07249467	1,051533394	---
17307096	8,791819	8,778211	8,728548	8,836853	8,833455	8,845763	8,7661927	8,838690333	0,07249767	1,05153558	Zmym5
17303504	4,785995	4,859548	5,205442	5,130813	4,941773	4,995939	4,9503283	5,022841667	0,07251333	1,051546999	Cadps
17467525	5,610824	5,218533	4,977988	5,222914	5,141582	5,660412	5,269115	5,341636	0,072521	1,051552587	---
17433110	9,422771	9,25426	9,271342	9,307876	9,457284	9,400789	9,3161243	9,388649667	0,07252533	1,051555746	Ube4b
17215178	5,991434	5,634768	5,839638	5,893689	5,908376	5,881408	5,8219467	5,894491	0,07254433	1,051569595	Prss56
17369613	5,975154	5,916719	6,227744	6,19116	6,121863	6,024291	6,0398723	6,112438	0,07256567	1,051585145	Aif1l
17282723	10,60889	10,53006	10,54692	10,59386	10,66905	10,64066	10,561957	10,63452333	0,07256667	1,051585873	Tmed10
17526149	4,56209	4,561338	4,751503	4,883841	4,553439	4,655402	4,624977	4,697560667	0,07258367	1,051598265	Pdzd3
17476709	8,187819	8,148951	8,030597	8,065072	8,389463	8,130585	8,1224557	8,19504	0,07258433	1,051598751	Pepd
17367209	4,600288	4,061272	4,389596	4,461119	4,51709	4,290802	4,3503853	4,423003667	0,07261833	1,051623534	---
17549282	7,11091	7,227924	7,247304	7,321376	7,316236	7,166385	7,1953793	7,267999	0,07261967	1,051624506	---
17519940	10,05947	9,877475	9,628131	9,872307	9,915365	9,995527	9,8550253	9,927733	0,07270767	1,051688654	Bckdhb
17481129	3,788577	3,883023	3,754495	3,974478	3,838207	3,831583	3,8086983	3,881422667	0,07272433	1,051700804	Olfr550
17497029	4,347611	3,812521	4,057504	4,234226	4,287788	3,91383	4,0725453	4,145281333	0,072736	1,051709308	1700007K09Rik
17443451	5,084526	4,830733	5,117467	5,256582	4,749215	5,245148	5,0109087	5,083648333	0,07273967	1,051711981	Myl10
17358448	4,765182	4,717497	4,752242	4,825224	4,869495	4,758459	4,7449737	4,817726	0,07275233	1,051721215	Kcnv2
17471757	3,80602	3,33474	3,562356	3,999346	3,599247	3,322782	3,5677053	3,640458333	0,072753	1,051721701	Klra9
17281337	6,903437	6,882299	6,602145	6,708632	6,983927	6,913588	6,7959603	6,868715667	0,07275533	1,051723402	Foxa1
17350970	5,077434	5,321742	5,464543	5,451773	5,546752	5,083508	5,2879063	5,360677667	0,07277133	1,051735066	Rps14
17235368	7,112741	7,070869	7,088966	7,115377	7,19539	7,180169	7,0908587	7,163645333	0,07278667	1,051746245	Scamp4
17297639	10,18815	10,08086	10,0228	10,07975	10,20817	10,22225	10,09727	10,17005667	0,07278667	1,051746245	Vdac2
17334129	10,61263	10,67464	10,60781	10,80374	10,58442	10,7253	10,631693	10,70448667	0,07279333	1,051751105	Srrm2
17423136	4,309103	4,390908	4,431038	4,502242	4,63482	4,212368	4,3770163	4,44981	0,07279367	1,051751348	---
17517770	5,275116	5,496701	5,399434	5,570346	5,533315	5,285993	5,390417	5,463218	0,072801	1,051756694	Cyp1a1
17531893	6,194532	5,998624	6,191331	6,285662	6,172262	6,145032	6,1281623	6,200985333	0,072823	1,051772732	Trim71
17299852	6,63435	6,538392	6,515006	6,697995	6,583601	6,624647	6,5625827	6,635414333	0,07283167	1,051779051	---
17299929	6,63435	6,538392	6,515006	6,697995	6,583601	6,624647	6,5625827	6,635414333	0,07283167	1,051779051	---
17209733	5,623898	5,30473	5,094816	4,895201	5,472768	5,873979	5,341148	5,413982667	0,07283467	1,051781238	---
17364721	6,012769	6,211449	6,155437	6,159612	6,372178	6,066379	6,1265517	6,199389667	0,072838	1,051783668	Frat2
17542082	2,947528	2,791982	3,131159	3,083942	3,038582	2,966664	2,9568897	3,029729333	0,07283967	1,051784883	Mir881
17539693	3,313548	3,216291	3,358062	3,559842	3,376326	3,170273	3,295967	3,368813667	0,07284667	1,051789986	---
17392118	3,583628	3,386147	3,481254	3,473295	3,58798	3,608331	3,4836763	3,556535333	0,072859	1,051798978	---
17504935	4,987889	4,943562	4,962825	5,126061	4,984915	5,001889	4,9647587	5,037621667	0,072863	1,051801894	Tsnaxip1
17408591	4,475773	4,16454	4,400258	4,305819	4,544788	4,408565	4,346857	4,419724	0,072867	1,05180481	Sycp1
17422745	7,641926	7,992233	7,874218	7,916883	7,877089	7,933018	7,8361257	7,908996667	0,072871	1,051807727	Dvl1
17235626	5,852971	5,871996	5,922486	6,066345	5,924833	5,874928	5,8824843	5,955368667	0,07288433	1,051817447	Matk
17353752	8,808735	8,94063	8,939528	8,910891	9,093453	8,903254	8,8962977	8,969199333	0,07290167	1,051830085	Ndufa2
17521376	7,297585	7,070588	7,205455	7,303404	7,204726	7,284204	7,1912093	7,264111333	0,072902	1,051830328	Nprl2
17449640	5,866373	5,630509	6,218691	6,353002	5,892278	5,689029	5,905191	5,978103	0,072912	1,051837618	---
17459470	5,856952	5,852516	6,181294	5,998303	6,096114	6,015111	5,9635873	6,036509333	0,072922	1,051844909	Gm1070
17397744	3,449346	3,464724	3,153899	3,376175	3,687428	3,223144	3,3559897	3,428915667	0,072926	1,051847826	4933417G07Rik
17436810	4,858548	4,795413	5,081266	4,93375	5,079308	4,940976	4,9117423	4,984678	0,07293567	1,051854873	Dok7
17319403	8,079564	8,395386	8,714521	8,595383	8,391094	8,421873	8,3964903	8,46945	0,07295967	1,051872372	Rpl3
17421413	5,769396	5,693455	5,403304	5,62589	5,515944	5,943233	5,6220517	5,695022333	0,07297067	1,051880392	Zfp600 // Zfp600
17298935	4,877103	4,573385	4,475888	4,628735	4,741984	4,774576	4,6421253	4,715098333	0,072973	1,051882093	---
17229466	8,301195	8,22732	8,047091	8,261948	8,103537	8,429125	8,1918687	8,26487	0,07300133	1,051902751	Hsd17b7
17430006	7,387531	7,479636	7,39972	7,398157	7,575699	7,51206	7,4222957	7,495305333	0,07300967	1,051908827	Mtap7d1
17385879	8,304694	8,087278	8,307121	8,374096	8,172537	8,371509	8,233031	8,306047333	0,07301633	1,051913688	Cobll1
17384446	4,598867	4,657233	6,221469	5,508625	5,396846	4,791156	5,1591897	5,232209	0,07301933	1,051915876	---
17456071	4,161173	3,994205	4,047925	4,102524	4,192985	4,126922	4,0677677	4,140810333	0,07304267	1,051932889	1700016P04Rik
17544362	2,984045	2,917681	2,973156	3,175612	2,981832	2,936614	2,958294	3,031352667	0,07305867	1,051944555	---
17405057	4,265727	4,365911	4,428266	4,206885	4,485289	4,586907	4,3533013	4,426360333	0,073059	1,051944798	Pcdh10
17203723	6,412548	7,382636	7,769052	7,086495	7,56506	7,1319	7,1880787	7,261151667	0,073073	1,051955007	---
17228073	7,680247	7,784023	7,606665	7,819409	7,650514	7,820234	7,6903117	7,763385667	0,073074	1,051955736	Rgl1
17261229	2,978044	2,860537	3,002338	2,904887	3,337247	2,818008	2,946973	3,020047333	0,07307433	1,051955979	---
17280867	6,111981	6,193228	6,427184	6,232109	6,337367	6,38218	6,244131	6,317218667	0,07308767	1,051965701	Mir1938
17287889	6,276717	6,414247	6,468475	6,54833	6,425138	6,40531	6,3864797	6,459592667	0,073113	1,051984173	---
17498423	4,230109	4,097003	4,229329	4,188693	4,188693	4,398424	4,1854803	4,258603333	0,073123	1,051991465	---
17359488	6,753064	6,816609	6,857158	6,801266	7,044989	6,800052	6,8089437	6,882102333	0,07315867	1,052017473	Ubtd1
17355056	5,762456	5,537699	5,896983	5,859645	5,872295	5,684725	5,7323793	5,805555	0,07317567	1,05202987	Gm6978
17331274	3,277502	3,046962	3,011997	3,197228	3,265775	3,093001	3,1121537	3,185334667	0,073181	1,052033759	Olfr206
17319364	5,522428	4,251655	4,267	5,737253	4,125421	4,39799	4,680361	4,753554667	0,07319367	1,052042995	D730005E14Rik
17310069	5,938389	5,859921	5,926524	5,808818	6,13579	5,999911	5,908278	5,981506333	0,07322833	1,052068275	Egflam
17347160	4,117712	3,601153	4,267825	4,278327	3,915772	4,012376	3,9955633	4,068825	0,07326167	1,052092584	D630014O11Rik
17341477	3,616315	3,838754	3,165645	3,429039	3,935449	3,476019	3,540238	3,613502333	0,07326433	1,052094528	Vmn2r117
17467527	6,053926	6,153702	5,872195	6,046031	6,010144	6,243645	6,0266077	6,09994	0,07333233	1,052144119	---
17271192	3,940799	3,930429	3,744422	3,823556	3,859548	4,152572	3,8718833	3,945225333	0,073342	1,052151169	---
17549318	6,634522	6,545787	6,708004	6,798511	6,613472	6,696399	6,6294377	6,702794	0,07335633	1,052161622	---
17318617	6,031183	6,229425	6,091341	6,177949	6,248637	6,145465	6,1173163	6,190683667	0,07336733	1,052169644	Tonsl
17295175	3,688963	3,262892	3,091913	3,571539	3,586143	3,106222	3,3479227	3,421301333	0,07337867	1,05217791	---
17297593	3,688998	3,631982	3,72759	3,679033	3,761037	3,828649	3,6828567	3,756239667	0,073383	1,05218107	---
17337844	8,956326	8,909458	8,957972	9,00686	9,044856	8,992193	8,941252	9,014636333	0,07338433	1,052182043	Enpp5
17428996	4,943341	5,044272	4,895831	5,100408	5,213317	4,789912	4,961148	5,034545667	0,07339767	1,052191767	Artn
17550492	7,096506	7,260409	6,903303	7,215907	7,044344	7,22016	7,0867393	7,160137	0,07339767	1,052191767	---
17229596	7,330729	7,25106	6,97415	7,222603	7,40187	7,151661	7,185313	7,258711333	0,07339833	1,052192253	Fcrla
17310530	4,067549	3,809192	3,835392	4,164502	3,824545	3,943287	3,9040443	3,977444667	0,07340033	1,052193712	Cdh10
17480239	4,029885	4,126774	4,444292	4,22576	4,276622	4,318874	4,200317	4,273752	0,073435	1,052218995	---
17492244	5,197937	5,335562	5,307939	5,346117	5,362412	5,353222	5,2804793	5,353917	0,07343767	1,05222094	Ntrk3
17358225	6,164859	6,261914	6,02787	5,983242	6,185735	6,505991	6,1515477	6,224989333	0,07344167	1,052223858	---
17237811	6,294246	6,411741	6,353793	6,319806	6,533908	6,426407	6,35326	6,426707	0,073447	1,052227748	Lrig3
17468702	6,340519	6,380636	6,60834	6,487226	6,429276	6,63344	6,443165	6,516647333	0,07348233	1,052253518	H1fx
17243157	5,456479	5,229616	5,688585	5,493313	5,528053	5,573781	5,4582267	5,531715667	0,073489	1,052258381	Diras1
17221975	2,792857	3,115446	2,580346	2,784085	2,860826	3,064259	2,8295497	2,903056667	0,073507	1,052271509	Gm6489
17322289	8,424958	8,437004	8,329255	8,420753	8,464418	8,526691	8,3970723	8,470620667	0,07354833	1,052301658	Calcoco1
17520706	4,100843	4,024683	4,297604	4,037137	4,050393	4,556257	4,1410433	4,214595667	0,07355233	1,052304575	Nme9
17309378	3,29072	3,230434	3,264065	3,158229	3,503763	3,343912	3,2617397	3,335301333	0,07356167	1,052311383	---
17362223	8,540454	8,817873	8,704983	8,742513	8,809831	8,731655	8,68777	8,761333	0,073563	1,052312355	Fermt3
17402140	5,510081	5,80792	5,939679	6,017785	5,276012	6,184611	5,75256	5,826136	0,073576	1,052321838	---
17342661	5,594331	5,422246	6,083001	5,760101	5,913339	5,646876	5,6998593	5,773438667	0,07357933	1,052324269	---
17346018	4,462917	4,213624	3,962588	4,426204	4,186108	4,247561	4,213043	4,286624333	0,07358133	1,052325728	Slc5a7
17546400	3,214633	3,439375	3,208821	3,507461	3,305224	3,270892	3,2876097	3,361192333	0,07358267	1,052326701	---
17447642	5,297782	5,45968	5,046857	5,644892	4,878252	5,501974	5,2681063	5,341706	0,07359967	1,052339101	Drd5
17216496	4,29217	4,257201	3,989218	4,452419	3,969272	4,337725	4,1795297	4,253138667	0,073609	1,052345909	---
17530181	3,250521	3,259343	3,321189	3,328651	3,470532	3,252699	3,2770177	3,350627333	0,07360967	1,052346395	---
17416014	3,401463	3,546403	3,808195	3,760434	3,597768	3,61877	3,5853537	3,658990667	0,073637	1,052366333	Gm12789 // Gm12789
17518813	5,900351	6,046691	6,094832	6,0682	6,096969	6,097642	6,013958	6,087603667	0,07364567	1,052372655	C2cd4b
17405836	3,073969	2,960678	3,06295	3,004105	3,284593	3,029894	3,0325323	3,106197333	0,073665	1,052386758	---
17260357	8,526961	8,406929	8,431431	8,54026	8,51321	8,53285	8,455107	8,528773333	0,07366633	1,05238773	H2afv
17517300	6,690084	6,58945	6,59484	6,584631	6,544764	6,965987	6,6247913	6,698460667	0,07366933	1,052389919	Kdelc2
17357611	9,555891	9,473792	9,487173	9,551945	9,644419	9,54154	9,5056187	9,579301333	0,07368267	1,052399645	Prpf19
17296973	3,257468	3,366765	3,309049	3,461575	3,192755	3,500008	3,311094	3,384779667	0,07368567	1,052401833	Gm3187
17525036	4,796169	4,630565	4,754776	4,939568	4,772143	4,690872	4,72717	4,800861	0,073691	1,052405724	Dpy19l2
17301061	8,065472	7,995181	7,851372	7,807463	8,154306	8,171382	7,970675	8,044383667	0,07370867	1,052418611	Mipep
17248896	4,835845	4,685301	4,552552	4,696836	4,92785	4,670144	4,6912327	4,764943333	0,07371067	1,05242007	Trim7
17480036	8,475251	8,161531	8,218524	8,34383	8,450979	8,2817	8,2851102	8,358836333	0,07373433	1,052437335	Fzd4
17473756	2,975748	2,933644	3,017912	3,012361	3,069418	3,066815	2,975768	3,049531333	0,07376333	1,05245849	2900092C05Rik
17387856	4,069592	4,17297	3,917863	4,295971	4,355835	3,729918	4,053475	4,127241333	0,07376633	1,052460679	Olfr1200
17201665	4,320287	4,214239	4,677635	5,008928	4,060555	4,363999	4,4040537	4,477827333	0,07377367	1,052466028	---
17502962	8,58405	8,552553	8,864938	8,736008	8,926915	8,559947	8,6671803	8,740956667	0,07377633	1,052467974	Gipc1
17208205	5,220599	4,797908	4,571668	4,817391	4,60135	5,392791	4,8633917	4,937177333	0,07378567	1,052474783	---
17323968	4,874044	4,759536	4,965055	5,06253	4,593181	5,164352	4,8662117	4,940021	0,07380933	1,052492048	Vwa5b2
17396801	8,235865	8,162186	8,154109	8,258101	8,311498	8,204027	8,1840533	8,257875333	0,073822	1,052501289	Ttc14
17477486	8,991585	8,928888	9,018778	9,080876	9,013556	9,066303	8,9797503	9,053578333	0,073828	1,052505666	Josd2
17526130	8,309669	8,352174	8,063773	8,293737	8,319271	8,33411	8,241872	8,315706	0,073834	1,052510043	Cbl
17248426	6,139373	6,033576	6,173804	6,184484	6,217279	6,166512	6,1155843	6,189425	0,07384067	1,052514907	Slit3
17223685	9,711932	9,693157	9,520918	9,596482	9,796672	9,754387	9,6420023	9,715847	0,07384467	1,052517825	Ndufs1
17476578	5,051683	4,918747	5,199403	4,994307	5,006277	5,390816	5,056611	5,130466667	0,07385567	1,05252585	Lgi4
17237534	5,484992	5,281436	5,387644	5,694333	5,052703	5,628615	5,3846907	5,458550333	0,07385967	1,052528769	Gm10747
17250556	5,198212	5,418592	4,909235	5,12099	5,302394	5,324246	5,1753463	5,24921	0,07386367	1,052531687	Tnfrsf13b
17486980	3,577926	3,462831	3,521667	3,582524	3,833996	3,367497	3,520808	3,594672333	0,07386433	1,052532173	---
17340444	7,576797	7,834016	7,723608	7,694536	7,82941	7,832068	7,7114737	7,785338	0,07386433	1,052532173	A230045G11Rik
17546014	3,571436	3,653025	3,981679	3,945028	3,780722	3,701984	3,73538	3,809244667	0,07386467	1,052532416	---
17458120	6,080257	6,242504	6,153584	6,23887	6,266053	6,193026	6,1587817	6,232649667	0,073868	1,052534848	Zfp282
17266988	8,055784	7,819417	7,851151	7,905301	7,997078	8,045591	7,908784	7,982656667	0,07387267	1,052538253	Tada2a
17226969	5,820858	5,950746	5,59228	5,813077	5,943238	5,829189	5,7879613	5,861834667	0,07387333	1,052538739	Gm19461
17327030	5,309227	5,377646	5,350406	5,231827	5,513366	5,513709	5,3457597	5,419634	0,07387433	1,052539469	Olig2

17383612	7,419436	7,599549	7,450718	7,468824	7,710131	7,512511	7,489901	7,563822	0,073921	1,052573516	Dolk
17366788	5,428927	4,854529	4,967669	5,622648	4,877404	4,972877	5,0837083	5,157643	0,07393467	1,052583487	Mir669g
17366824	5,428927	4,854529	4,967669	5,622648	4,877404	4,972877	5,0837083	5,157643	0,07393467	1,052583487	Mir669g
17353183	5,274651	5,161612	5,233857	5,131047	5,409727	5,351162	5,2233733	5,297312	0,07393867	1,052586405	Celf4
17416248	3,289452	3,233098	3,494462	3,401226	3,478189	3,359426	3,339004	3,412947	0,073943	1,052589567	---
17541041	4,092462	4,103477	4,05439	4,250321	4,098945	4,122901	4,083443	4,157389	0,073946	1,052591756	Gm9
17318523	5,161304	5,118017	5,292284	5,368921	5,470094	4,954455	5,190535	5,26449	0,073955	1,052598322	Scrt1
17346840	8,061713	8,148623	8,015551	8,113877	8,143496	8,190382	8,0752957	8,149251667	0,073956	1,052599052	Rab12
17502646	4,102148	4,149518	4,315248	4,379176	4,144446	4,265167	4,1889713	4,262929667	0,07395833	1,052600754	0610038B21Rik
17310589	8,45534	8,484911	8,310975	8,354974	8,507151	8,610982	8,4170753	8,491035667	0,07396033	1,052602213	Myo10
17405001	3,796017	3,436829	3,700705	3,777247	3,742997	3,635195	3,644517	3,718479667	0,07396267	1,052603916	1700034I23Rik
17212252	7,231925	7,296556	6,97386	7,251832	7,408864	7,063542	7,167447	7,241412667	0,07396567	1,052606104	Il18rap
17204467	6,178087	5,716134	6,013173	6,326069	5,502088	6,301161	5,9691313	6,043106	0,07397467	1,052612671	---
17324623	7,221338	7,187738	7,104278	6,844044	7,384571	7,50667	7,171118	7,245095	0,073977	1,052614373	Hes1
17374833	9,270606	9,177071	9,176412	9,06355	9,31456	9,467924	9,2080297	9,282011333	0,07398167	1,052617778	Nusap1
17218955	9,939454	9,796594	9,836723	9,918682	9,964773	9,91129	9,8575903	9,931581667	0,07399133	1,052624831	Brp44
17385455	4,553071	4,604751	4,567669	4,569929	4,571312	4,806251	4,7751637	4,649164	0,07400033	1,052631398	Ccdc148
17436481	5,663446	5,504114	5,393069	5,780469	5,42123	5,580963	5,5202097	5,594220667	0,074011	1,052639181	Fgfr3
17208853	5,049271	4,478884	5,878319	5,285017	5,111848	5,231659	5,1354913	5,209508	0,07401667	1,052643315	---
17208591	5,529281	5,501828	6,193737	6,241199	5,02977	6,175955	5,7416153	5,815641333	0,074026	1,052650125	---
17469059	5,051869	4,760268	4,994349	4,959219	4,95156	5,1178	4,9354953	5,009526333	0,074031	1,052653773	Grip2
17469089	7,29725	7,429179	7,232825	7,319628	7,366377	7,49543	7,3197513	7,393811667	0,07406033	1,052675177	Mrps25
17354261	3,3891	3,548138	3,74028	3,638815	3,65081	3,610118	3,5591727	3,633247667	0,074075	1,052685878	---
17438680	5,935744	5,670177	5,865556	5,999456	5,691236	6,003025	5,8238257	5,897905667	0,07408	1,052689527	Gm7337
17363895	4,90095	5,08609	4,902	5,033149	5,055854	5,022291	4,9630133	5,037098	0,07408467	1,052692932	Dkk1
17302592	3,653637	3,677714	3,311687	3,688696	3,654409	3,522202	3,5476793	3,621769	0,07408967	1,05269658	---
17543194	5,35877	4,507804	4,607756	4,916695	4,966131	4,813777	4,8247767	4,898867667	0,074091	1,052697553	---
17257058	11,25642	10,91378	11,10358	11,17878	11,25356	11,06375	11,09126	11,16536333	0,07410333	1,052706552	---
17340366	4,913124	4,623958	5,185666	4,996742	5,255248	4,693127	4,9075827	4,981705667	0,074123	1,052720903	Gtf2a1l
17336314	4,481691	4,471584	4,728776	4,785854	4,250585	4,868026	4,5606837	4,634821667	0,074138	1,052731848	---
17497131	7,138241	7,091134	7,007461	7,192482	7,056171	7,21061	7,0789453	7,153087667	0,07414233	1,05273501	Mettl10
17201719	3,718217	3,159187	3,392235	3,583433	3,545817	3,362824	3,423213	3,497358	0,074145	1,052736956	---
17201895	3,718217	3,159187	3,392235	3,583433	3,545817	3,362824	3,423213	3,497358	0,074145	1,052736956	---
17463159	6,254313	6,39917	6,38565	6,521604	6,366153	6,373875	6,3463777	6,420544	0,07416633	1,052752523	E130112N10Rik
17206019	4,922526	4,213863	4,437781	4,428382	4,957862	4,410426	4,5247233	4,59889	0,07416667	1,052752766	---
17304123	4,729857	4,564352	4,87054	4,961701	4,763605	4,661947	4,721583	4,795751	0,074168	1,052753739	4930542C16Rik
17289551	11,06601	11,61001	11,26932	11,24715	11,41461	11,50612	11,315113	11,38929333	0,07418	1,052762496	---
17205169	4,677902	5,077256	5,136686	4,727299	5,28118	5,105968	4,963948	5,038149	0,074201	1,05277782	---
17209359	4,677902	5,077256	5,136686	4,727299	5,28118	5,105968	4,963948	5,038149	0,074201	1,05277782	---
17259546	4,296568	4,58727	4,670478	4,447636	4,822575	4,506718	4,5181053	4,592309667	0,07420433	1,052780253	---
17505013	6,841803	7,268547	6,952784	7,137926	7,009473	7,138349	7,0210447	7,095249333	0,07420467	1,052780496	Dus2l
17205319	6,492942	6,256485	6,276131	5,635337	7,038405	6,57449	6,3418527	6,416077333	0,07422467	1,052795091	---
17504928	4,377753	4,400146	4,505823	4,761973	4,273187	4,471278	4,4279073	4,502146	0,07423867	1,052805307	4933405L10Rik
17258615	4,410431	4,586044	4,785385	4,561995	4,772561	4,670041	4,5939533	4,668199	0,07424567	1,052810415	Gm11744
17514601	12,30992	12,27972	12,41383	12,44814	12,44425	12,33384	12,33449	12,40874333	0,07425333	1,05281601	LOC100503055 // Gm12508
17495328	5,138544	4,793981	4,96375	5,146992	4,848383	5,123662	4,965425	5,039679	0,074254	1,052816497	Calca
17547861	5,089857	5,112673	5,229026	5,040972	5,16941	5,443946	5,143852	5,218109333	0,07425733	1,052818929	Tiaf2
17520679	6,432078	6,344208	6,159757	6,019391	6,690227	6,449237	6,3120143	6,386285	0,07427067	1,052828659	Faim
17513397	2,969754	2,821212	2,863132	3,079638	2,851632	2,9457	2,8846993	2,95899	0,07429067	1,052843255	---
17411630	5,101233	4,781147	4,387865	5,059271	4,75424	4,679609	4,7567483	4,83104	0,07429167	1,052843984	---
17386711	3,930767	3,883307	3,964304	4,154467	3,907521	3,939281	3,926126	4,000423	0,074297	1,052847877	---
17206933	4,365236	5,143417	5,123393	5,44312	4,888163	4,52369	4,8773487	4,951657667	0,074309	1,052856634	---
17206445	3,553077	4,915751	3,926276	3,226817	3,955553	5,435662	4,1317013	4,206010667	0,07430933	1,052856877	---
17460994	6,451394	6,583743	6,624601	6,463933	6,792192	6,626552	6,553246	6,627559	0,074313	1,052859553	Fgd5
17387624	4,341503	3,767984	4,058006	3,965697	4,109896	4,314898	4,055831	4,130163667	0,07433267	1,052873906	Olfr1019
17261386	3,632748	3,777526	3,893248	3,721677	4,004402	3,800458	3,7678407	3,842179	0,07433833	1,052878041	4930505A04Rik
17516239	2,957014	3,071383	3,100409	3,136577	3,251311	2,96395	3,0429353	3,117279333	0,074344	1,052882177	Olfr926
17549404	4,658778	4,190248	4,021412	4,443884	4,494244	4,155488	4,290146	4,364538667	0,07439267	1,052917694	---
17549802	4,658778	4,190248	4,021412	4,443884	4,494244	4,155488	4,290146	4,364538667	0,07439267	1,052917694	---
17268581	5,634609	5,499378	5,485881	5,53043	5,7677	5,544924	5,539956	5,614351333	0,07439533	1,052919641	Pcgf2
17432082	6,32197	6,366569	6,725901	6,6925	6,727741	6,217397	6,47148	6,545879333	0,07439933	1,05292256	Crocc
17253118	5,482481	6,038286	5,692389	5,82293	6,050845	5,562624	5,7377187	5,812133	0,07441433	1,052933507	---
17300100	4,113795	3,708793	3,772155	4,00782	3,889754	3,920434	3,8649143	3,939336	0,07442167	1,05293886	---
17474352	3,576642	3,575643	4,003826	3,642616	3,868498	3,868275	3,7187037	3,793129667	0,074426	1,052942022	Psg22
17426923	5,236204	5,357473	5,472272	5,391849	5,453719	5,443694	5,3553163	5,429754	0,07443767	1,052950537	6030471H07Rik
17505967	9,04493	9,051893	9,015972	9,066561	9,086033	9,18359	9,0375983	9,112061333	0,074463	1,052969027	4933407C03Rik
17450884	3,378041	3,226367	3,137677	3,539191	3,185859	3,240436	3,2473617	3,321828667	0,074467	1,052971946	Vmn2r13
17272945	5,701699	5,511482	5,583538	5,550431	5,727351	5,742351	5,5989063	5,673377667	0,07447133	1,052975109	Aatk
17469701	6,19129	6,396873	6,345971	6,190844	6,515731	6,45102	6,311378	6,385865	0,074487	1,052986544	---
17204303	3,11936	3,672128	3,57898	3,608893	3,722934	3,262131	3,4568227	3,531319333	0,07449667	1,052993599	---
17402153	3,729146	3,916182	3,800251	3,793041	3,911861	3,964224	3,815193	3,889708667	0,07451567	1,053007467	---
17513240	4,51758	4,931122	4,634884	4,834468	4,764671	4,708014	4,6945287	4,769051	0,07452233	1,053012333	Adamts18
17365617	6,40576	6,448864	6,228171	6,404011	6,572047	6,330401	6,3609317	6,435486333	0,07455467	1,053035933	Itprip
17218927	5,976627	7,159442	6,92215	6,824376	6,716499	6,741014	6,686073	6,760629667	0,07455667	1,053037393	Dpt
17213978	4,188853	4,394032	4,462189	4,330496	4,494885	4,443386	4,348358	4,422922333	0,07456433	1,053042989	Vwc2l
17548428	11,80026	11,82426	11,69859	11,67731	11,90776	11,96175	11,77437	11,84894	0,07457	1,053047125	Uqcrb // Uqcrb
17230191	3,051874	2,948279	3,060716	3,264064	2,98281	3,03772	3,0202897	3,094864667	0,074575	1,053050775	B020018G12Rik
17304297	4,41065	4,521274	4,376787	4,510924	4,464692	4,556826	4,436237	4,510814	0,074577	1,053052234	Cacna2d3
17202809	7,215024	6,927778	7,511499	7,574094	7,357348	6,946618	7,2181003	7,292686667	0,07458633	1,053059047	---
17395133	5,306044	5,748873	5,595205	5,502056	6,037609	5,334235	5,5500407	5,624633333	0,07459267	1,05306367	Nespas
17349962	4,439267	4,166926	4,760959	4,519671	4,505147	4,566155	4,4557173	4,530324333	0,074607	1,053074132	Fchsd1 // Fchsd1
17242535	5,972011	6,282509	6,140639	6,145336	6,462762	6,010928	6,1317197	6,206342	0,07462233	1,053085325	Syde1
17228349	6,678194	6,810922	6,761837	6,849402	6,796223	6,829204	6,7503177	6,824943	0,07462533	1,053087515	Ier5
17459786	4,271542	4,138121	4,21885	4,390918	4,115578	4,345893	4,2095043	4,284129667	0,07462533	1,053087515	Lrrtm4
17252922	10,46037	10,47475	10,38627	10,44845	10,58679	10,51009	10,440463	10,51511	0,07464667	1,053103087	Prpf8
17423019	3,572696	3,439419	3,515407	3,538314	3,504637	3,708615	3,509174	3,583855333	0,07468133	1,053128392	Sdr16c6
17495622	4,232843	4,202648	4,308139	4,222344	4,382528	4,362833	4,2478767	4,322568333	0,07469167	1,053135935	Gp2
17433699	4,573303	4,543578	4,531972	4,741381	4,609198	4,522365	4,5496177	4,624314667	0,074697	1,053139829	Plch2
17507691	3,180933	2,813498	2,789284	2,926677	3,06277	3,018406	2,927905	3,002617667	0,07471267	1,053151265	---
17338210	6,31278	6,280001	6,309248	6,393215	6,425983	6,306985	6,3006763	6,375394333	0,074718	1,053155158	Trerf1
17450131	6,768694	6,901654	6,907563	7,00011	6,964804	6,83716	6,8593037	6,934024667	0,074721	1,053157348	Coq2
17393407	4,898993	4,850998	4,941028	4,934725	5,098058	4,882402	4,8970063	4,971728333	0,074722	1,053158078	Fer1l4
17276819	7,142046	7,310012	6,853076	7,307205	6,997111	7,225011	7,1017113	7,176442333	0,074731	1,053164648	Exd2
17299473	3,794446	3,849672	4,054164	4,027932	4,017488	3,877055	3,8994273	3,974158333	0,074731	1,053164648	Olfr727
17329508	3,945219	3,932775	3,946526	4,062647	3,999725	3,986425	3,9415067	4,016265667	0,074759	1,053185088	Uts2d
17498086	5,443234	5,427321	5,28204	5,623018	5,353068	5,400841	5,3841983	5,458975667	0,07477733	1,053198472	6330512M04Rik
17254006	6,07318	5,562243	5,763316	6,049328	5,901597	5,672228	5,7995797	5,874384333	0,07480467	1,053218426	Spaca3
17208621	8,01222	7,227255	7,590907	7,71184	7,734646	7,608318	7,6101273	7,684934667	0,07480733	1,053220373	---
17467568	4,17576	4,270009	4,2943	4,173574	4,500837	4,290094	4,2466897	4,321501667	0,074812	1,05323278	1700011F03Rik
17538312	3,906481	3,622283	3,951577	3,889754	4,014494	3,800541	3,8267803	3,901596333	0,074816	1,0532267	Mir652 // Mir652
17351414	5,322307	5,696733	6,081988	5,588166	5,898875	5,838458	5,7003427	5,775166333	0,07482367	1,053232297	Pmaip1
17294051	3,180981	3,182923	3,367736	3,36151	3,214289	3,380419	3,24388	3,318739333	0,07485933	1,053258335	---
17285406	3,678042	3,512858	3,415478	3,768559	3,564389	3,498045	3,5354593	3,610331	0,07487167	1,05326734	Gm20043
17449097	2,957174	3,556553	3,142666	3,150892	3,546669	3,183509	3,2187977	3,29369	0,07489233	1,053282428	---
17234814	6,71701	6,588668	6,61433	6,667356	6,752916	6,724418	6,6400027	6,714896667	0,074894	1,053283645	Ilvbl
17437404	6,960737	7,043887	6,763308	7,004132	6,92105	7,067459	6,922644	6,997547	0,074903	1,053290215	Zcchc4
17540102	3,416296	3,793973	3,87068	3,70165	3,708013	3,896043	3,6936497	3,768568667	0,074919	1,053301897	Gm14459
17427970	5,316065	5,41986	5,243189	5,425004	5,693933	5,085111	5,3263713	5,401349333	0,074978	1,053344973	Podn
17306054	6,504576	6,715456	6,465773	6,519396	6,68644	6,704915	6,5619335	6,636917	0,074982	1,053347894	Osgep
17491529	5,017074	4,55667	4,435891	4,853185	4,661387	4,720014	4,6698783	4,744862	0,07498367	1,05334911	---
17468231	4,80566	4,332307	4,587142	4,729311	4,74478	4,475969	4,5750363	4,65002	0,07498367	1,05334911	Vax2os2
17372444	5,290077	4,945978	5,209485	4,967475	5,407823	5,295238	5,1485133	5,223512	0,07499867	1,053360062	Nup35
17332346	5,183376	5,20112	5,213063	5,270947	5,189898	5,361726	5,1991863	5,274190333	0,075004	1,053363956	Kcnj6 // Kcnj6
17524731	7,411077	7,330343	7,400537	7,601313	7,414159	7,351498	7,3806523	7,455656667	0,07500433	1,0533642	Yipf2
17370043	5,748695	5,983029	5,93337	5,72131	6,088976	6,079851	5,8883647	5,963379	0,07501433	1,053371501	Ppgptl2
17550717	3,360838	3,451317	3,581238	3,484062	3,755698	3,378715	3,4644643	3,539491667	0,07502733	1,053380993	---
17311189	3,088382	3,119372	3,005509	3,025917	3,450222	2,962249	3,0710877	3,146129333	0,07504167	1,053391459	---
17354386	8,297402	8,269614	8,213178	8,247437	8,423262	8,334625	8,2600647	8,335108	0,07504333	1,053392676	Cep120
17451926	6,104891	6,055817	6,472104	6,227354	6,36993	6,260686	6,2109373	6,28599	0,07505267	1,05339949	Gm7538
17341197	9,815679	9,992121	10,22928	10,04748	10,16609	10,0487	10,01236	10,08742333	0,07506333	1,053407279	Psmb1
17275351	9,204134	9,281521	9,158745	9,22925	9,357954	9,282416	9,2148	9,289873333	0,07507333	1,05341458	Scfd1
17213570	4,533863	4,44055	4,552694	4,767501	4,702353	4,282474	4,5090357	4,584109333	0,07507367	1,053414824	---
17330119	8,455714	8,751176	8,185279	8,597972	8,504902	8,514524	8,4640563	8,539132667	0,07507633	1,053416771	Dtx3l
17233699	7,859107	8,291655	8,082304	8,131235	8,097349	8,229725	8,0776887	8,152769667	0,075081	1,053420178	Gm8213 // Gm14407 // Gm14439
17411881	3,737651	3,555154	3,504392	3,696744	3,651667	3,674073	3,5990657	3,674161333	0,07509567	1,053430888	Tmem67
17456554	7,257567	7,013416	7,327166	7,314835	7,481005	7,027599	7,199383	7,274479667	0,07509667	1,053431618	Hilpda
17201105	8,369004	8,217686	7,923534	7,56606	8,484739	8,68472	8,1700747	8,245173	0,07509833	1,053432835	---
17504688	6,1818	6,221963	6,344332	6,300868	6,408897	6,263644	6,249365	6,324469667	0,07510467	1,053437459	Hsf4
17351811	11,8461	11,81442	11,96676	11,95521	11,99002	11,90739	11,87576	11,95087333	0,07511333	1,053443788	Acaa2
17238549	6,989944	7,096815	7,162726	7,037251	7,216977	7,220618	7,0831617	7,158282	0,07512033	1,053448899	Wibg
17325555	3,968791	3,752846	3,645537	3,889302	3,772957	3,93028	3,789058	3,864179667	0,07512167	1,053449873	4930542C21Rik
17383699	6,747719	6,734995	6,972812	6,926481	6,952534	6,801909	6,8185087	6,893641333	0,07513267	1,053457905	Asb6
17423572	5,43945	6,03809	5,81736	5,907734	5,831833	5,780774	5,7649667	5,840113667	0,075147	1,053468371	---
17451791	5,009893	5,203644	5,190314	5,014229	5,260603	5,354481	5,134617	5,209771	0,075154	1,053473483	Ccdc60

17287414	10,76863	10,66144	10,59797	10,65699	10,75516	10,84136	10,676013	10,75117	0,07515667	1,05347543	Sfxn1
17245481	8,276302	8,292317	8,105898	8,247805	8,345491	8,306698	8,224839	8,299998	0,075159	1,053477134	Rassf3
17542781	9,304577	9,415037	9,020606	9,292799	9,406528	9,266451	9,24674	9,321926	0,075186	1,05349685	F8
17272084	9,215014	9,19098	9,218977	9,375839	9,296452	9,17825	9,2083237	9,283513667	0,07519	1,053499771	Galk1
17550711	4,497425	4,381259	4,54461	4,725914	4,425579	4,497425	4,4744313	4,549639333	0,075208	1,053512915	---
17535193	3,358882	3,21065	3,191995	3,312288	3,15762	3,517257	3,2538423	3,329055	0,07521267	1,053516323	1700036O09Rik
17377388	3,565784	3,425712	3,674052	3,67779	3,637152	3,576289	3,5551827	3,630410333	0,07522767	1,053527276	Cst12
17400759	7,886505	7,931765	7,839914	7,976634	7,943923	7,963354	7,8860613	7,961303667	0,07524233	1,053537987	Acp6
17216425	3,712188	3,749709	3,438251	3,662936	3,773647	3,689298	3,6333827	3,708627	0,07524433	1,053539447	Serpinb13
17352704	5,173729	5,263879	5,298984	5,350103	5,111714	5,500588	5,2455307	5,320801667	0,075271	1,053558921	Gm6277
17309356	3,051306	3,181112	3,29782	3,22396	3,298901	3,233192	3,176746	3,252017667	0,07527167	1,053559408	---
17313583	7,989149	8,685346	8,293275	8,406652	8,336855	8,450083	8,32259	8,397863333	0,07527333	1,053560625	Cyp2d9
17326883	6,739783	6,817153	6,950957	7,191685	6,64897	6,89306	6,8359643	6,911238333	0,075274	1,053561112	B130034C11Rik
17204341	4,43355	4,295162	4,362564	4,543391	5,119477	3,654237	4,3637587	4,439035	0,07527633	1,053562816	---
17413615	5,407502	5,16715	5,431119	5,309001	5,477313	5,4453	5,335257	5,410538	0,075281	1,053566224	Frmpd1
17347794	5,208012	5,087105	5,124071	5,181499	5,272481	5,191132	5,1397293	5,215037333	0,075308	1,053585941	1110020A21Rik
17550498	3,914782	3,806788	3,692527	3,81756	3,845901	3,976563	3,804699	3,880008	0,075309	1,053586672	---
17499224	11,18371	11,22632	11,1474	11,27116	11,3065	11,20572	11,18581	11,26112667	0,07531667	1,053592271	F10
17300273	10,36255	10,36527	10,34012	10,4286	10,43663	10,42874	10,35598	10,43132333	0,07534333	1,053611745	Mrpl52
17382459	6,639957	6,830668	6,876705	6,821443	7,104588	6,647368	6,7824433	6,857799667	0,07535633	1,053621239	Ndor1
17250374	8,846139	8,951336	8,782475	8,819275	8,922125	9,064664	8,8599833	8,935354667	0,07537133	1,053632194	Drg2
17501208	5,561831	5,707342	5,451511	5,478196	5,932055	5,53657	5,5735613	5,648940333	0,075379	1,053637793	---
17200631	3,502204	3,815771	3,597014	3,362208	4,445101	3,333866	3,6383297	3,713725	0,07539533	1,053649722	---
17436755	4,572445	4,96401	4,857946	5,068666	4,922106	4,630018	4,7981337	4,873596667	0,075463	1,053699142	A930005I04Rik
17377352	2,99841	2,895614	2,792208	2,966196	3,013795	2,932665	2,8954107	2,970885333	0,07547467	1,053707663	---
17533568	12,57949	12,41099	12,33816	12,48027	12,46125	12,61373	12,44288	12,51841667	0,07553667	1,053752948	Rgn
17549420	3,483664	3,54182	3,606425	3,664623	3,63484	3,559083	3,5439697	3,619515333	0,07554567	1,053759521	---
17394211	4,223927	3,963439	4,126443	3,974823	4,324587	4,241048	4,104603	4,180152667	0,07554967	1,053762443	Wfdc8
17330602	8,886271	8,933318	8,875051	9,03894	8,884986	8,997377	8,8982133	8,973767667	0,07555433	1,053765851	Gtpbp8
17547662	7,058064	7,343946	7,164125	7,170655	7,289935	7,332223	7,1887117	7,264271	0,07555933	1,053769504	Gm5068
17382822	6,878807	6,76384	6,411917	6,652276	6,819545	6,809441	6,6848547	6,760420667	0,075566	1,053774373	Nacc2
17216395	4,45655	3,915914	4,438026	4,443311	4,420983	4,172939	4,2701633	4,345744333	0,075581	1,053785329	Bcl2
17255676	6,322747	6,611951	6,669397	6,522332	6,57137	6,737139	6,5346983	6,610280333	0,075582	1,05378606	D030028A08Rik
17542732	5,771353	5,725777	5,545536	5,633993	5,806227	5,829201	5,6808887	5,756473667	0,075585	1,053788251	Gab3
17205969	6,80744	6,996924	7,256506	6,978696	7,242946	7,06601	7,02029	7,095884	0,075594	1,053794825	---
17262326	6,694868	7,020042	7,024168	6,775689	7,027317	7,162933	6,913026	6,988646333	0,07562033	1,05381406	Maml1
17473106	5,13062	5,032696	5,262107	5,238464	5,35875	5,055079	5,1418077	5,217431	0,07562333	1,053816251	Speer9-ps1
17510667	8,505333	8,671555	8,721237	8,629932	8,644147	8,850938	8,6327083	8,708339	0,07563067	1,053821608	Tmem184c
17201583	3,176155	3,162502	2,872941	3,013079	3,499334	2,926105	3,0705327	3,146172667	0,07564	1,053828426	---
17549322	6,176191	5,759898	5,887681	5,962187	6,21911	5,869449	5,9412567	6,016915333	0,07565867	1,053842061	---
17532413	5,659357	6,124245	5,790444	5,911199	5,825053	6,064826	5,8580153	5,933692667	0,07567733	1,053855696	Gtdc2
17289287	3,220697	2,99684	3,329426	3,296539	3,269679	3,207866	3,182321	3,258028	0,075707	1,053877367	---
17205835	6,590883	6,635209	6,141139	6,397346	6,546129	6,650888	6,4557437	6,531454333	0,07571067	1,053880046	---
17351704	5,135305	5,048884	5,055257	5,050088	5,231812	5,18468	5,0798153	5,155526667	0,07571133	1,053880533	---
17201709	5,129992	5,216949	5,696605	5,9438	5,193598	5,133314	5,3478487	5,423570667	0,075722	1,053888325	---
17201885	5,129992	5,216949	5,696605	5,9438	5,193598	5,133314	5,3478487	5,423570667	0,075722	1,053888325	---
17543121	4,563386	4,652987	4,579234	4,676816	4,74478	4,601212	4,5985357	4,674269333	0,07573367	1,053896847	4930415L06Rik
17526269	8,578769	9,046274	8,699937	8,699937	8,872998	8,979249	8,7749933	8,850728	0,07573467	1,053897578	---
17225833	3,945775	3,663316	3,842194	4,052091	3,742642	3,883768	3,817095	3,892833667	0,07573867	1,0539005	4930533P14Rik
17251565	4,902282	4,893173	5,1314	4,930023	5,124402	5,099671	4,9756183	5,051365333	0,075747	1,053906587	Aloxe3
17395732	4,723999	4,529576	4,587139	4,700468	4,796645	4,570846	4,6135713	4,689319667	0,07574833	1,053907561	Kcnq2
17357529	10,72004	10,7827	10,79121	10,81962	10,92545	10,77615	10,76465	10,84040667	0,07575667	1,053913649	Ddb1
17385922	2,724556	2,790866	2,867424	2,989856	2,875329	2,744977	2,794282	2,870054	0,075772	1,05392485	---
17281291	4,284989	4,017313	4,37496	4,283766	4,398092	4,222733	4,225754	4,301530333	0,07577633	1,053928016	E030019B13Rik
17240162	4,705132	4,648882	4,261251	4,550642	4,741329	4,550642	4,5384217	4,614204333	0,07578267	1,053932643	A830082N09Rik
17524515	7,133266	7,380073	7,147482	7,334264	7,352474	7,201474	7,2202737	7,296070667	0,075797	1,053943114	Angptl6
17284065	8,263092	8,17164	8,280411	8,327953	8,324286	8,2904	8,238381	8,314213	0,075832	1,053968683	Cdc42bpb
17367683	6,33384	6,372299	6,475022	6,326413	6,569251	6,513019	6,3937203	6,469561	0,07584067	1,053975014	---
17299919	6,319811	6,226225	6,155635	6,348735	6,311452	6,269038	6,2338903	6,309741667	0,07585133	1,053982807	---
17495172	5,944115	5,894866	5,959504	5,883965	5,894729	6,247358	5,9328283	6,008684	0,07585567	1,053985973	Galntl4
17496211	5,518384	5,906877	5,845753	5,885272	6,248456	5,364895	5,7570047	5,832874333	0,07586967	1,053996201	Atp2a1
17357912	3,371348	3,102679	3,219599	3,278594	3,230365	3,412455	3,2312087	3,307138	0,07592933	1,054039793	Olfr1466
17330988	6,23268	6,048526	6,345785	6,330997	6,297221	6,226665	6,208997	6,284961	0,075964	1,054065121	Fam55c
17248990	5,086239	4,816027	4,770915	5,051907	4,855797	4,99337	4,8910603	4,967024667	0,07596433	1,054065364	Olfr1380
17372092	5,931266	6,284528	6,371326	6,339272	6,132192	6,343554	6,1957067	6,271672667	0,075966	1,054066582	Hoxd4
17238191	6,270443	6,727408	6,658152	7,095943	6,642201	6,145795	6,552001	6,627979667	0,07597867	1,054075836	BC089597
17293247	8,631578	8,662449	8,909458	8,935965	8,932278	8,563227	8,734495	8,81049	0,075995	1,05408777	---
17422337	5,661562	5,650881	5,706366	5,701027	5,777728	5,768106	5,6729363	5,748953667	0,07601733	1,054104088	Megf6
17541047	5,111248	5,056625	5,21375	5,029156	5,246908	5,333617	5,1272077	5,203227	0,07601933	1,054105549	Rhox1 // Rhox1
17333709	6,478599	6,53009	6,895889	6,917255	6,611252	6,604156	6,6348593	6,710887667	0,07602833	1,054112125	Ncrna00085
17275328	4,465955	4,238239	4,129378	4,523149	4,34905	4,189512	4,2778573	4,353903667	0,07604633	1,054125277	---
17446024	4,449352	4,218568	4,322803	4,404643	4,362183	4,452043	4,330241	4,406289667	0,07604867	1,054126982	A930003O13Rik
17227864	8,510465	8,481912	8,250351	8,308944	8,554453	8,607525	8,4142427	8,490307333	0,07606467	1,054138672	---
17417099	4,44753	4,152174	4,403291	4,419845	4,4215	4,389847	4,3343317	4,410397333	0,07606567	1,054139403	---
17237035	3,682698	3,376002	3,819328	3,560354	3,794826	3,75108	3,6260093	3,702086667	0,07607733	1,054147928	Slc6a15
17308347	7,190315	6,373913	6,558368	7,179811	6,749926	6,421094	6,707532	6,783610333	0,07607833	1,054148658	---
17520288	10,56008	11,15326	10,92881	10,82937	10,98934	11,0517	10,880717	10,95680333	0,07608667	1,054154747	---
17209695	4,431995	4,912081	5,112231	4,709595	4,603323	5,37166	4,818769	4,894859333	0,07609033	1,054157427	---
17278188	7,407917	7,412354	7,454143	7,452678	7,513801	7,536222	7,4248047	7,500900333	0,07609567	1,054161324	Otub2
17536295	6,756502	6,900659	6,599514	6,771981	6,847927	6,865128	6,752225	6,828345333	0,07612033	1,054179347	Klhl15
17278850	3,393704	3,585656	3,420122	3,661374	3,509965	3,456522	3,466494	3,542620333	0,07612633	1,054183732	Mir544 // Mir544
17221934	6,476089	6,386872	6,5564	6,663275	6,465806	6,518669	6,4731203	6,54925	0,07612967	1,054186167	---
17353352	5,423175	5,595033	5,579734	5,675804	5,48232	5,668211	5,5326473	5,608778333	0,076131	1,054187142	Camk4
17407368	5,696379	5,075918	5,93495	5,786338	5,758337	5,391048	5,5690823	5,645241	0,07615867	1,054207358	Gm5849
17248068	9,055538	9,138657	9,204975	9,591393	8,954914	9,081352	9,1330567	9,209219667	0,076163	1,054210524	---
17319830	9,230645	9,242961	9,118483	9,263938	9,301918	9,25475	9,197363	9,273535333	0,07617233	1,054217345	Pacsin2
17286122	4,681925	4,409328	4,29434	4,52831	4,637405	4,448423	4,4618643	4,538046	0,07618167	1,054224165	Prl3d3 // Prl3d3
17435189	9,66201	9,696686	9,683259	9,816374	9,607545	9,846633	9,6806517	9,756850667	0,076199	1,054236831	Mll5
17295059	5,348173	4,941255	5,175808	5,430202	5,229723	5,033939	5,1550787	5,231288	0,07620933	1,054244382	Pde8b
17531193	5,668221	5,903631	5,8013	6,128803	5,658042	5,814944	5,7910507	5,867263	0,07621233	1,054246574	Klhdc8b
17490097	3,500796	3,588213	3,497281	3,556229	3,747943	3,510827	3,5287633	3,604999667	0,07623633	1,054264112	Gm2381
17369296	8,379117	8,346704	8,462402	8,371686	8,592432	8,452844	8,3960743	8,472320667	0,07624633	1,05427142	Tor1b
17380085	5,188648	5,10505	4,940121	5,165757	5,072328	5,224583	5,0779397	5,154222667	0,076283	1,054298215	---
17261098	7,896174	7,800515	7,789257	7,796893	7,977232	7,940689	7,8286487	7,904938	0,07628933	1,054302843	Pex13
17294907	7,011158	7,259241	6,655724	7,062841	7,124724	6,967436	6,9753743	7,051667	0,07629267	1,054305279	Zfyve16
17263516	11,3617	11,31042	11,48014	11,37337	11,5737	11,43416	11,384087	11,46041	0,07632333	1,05432769	Pemt
17308939	5,407176	5,469753	5,235459	5,478533	5,466543	5,396318	5,370796	5,447131333	0,07633533	1,05433646	Pcdh8
17272346	6,285852	6,19256	6,275628	6,28943	6,362772	6,330866	6,2513467	6,327689333	0,07634267	1,054341819	Rnf157
17395897	6,937369	7,053269	7,226786	7,259464	7,063395	7,12365	7,0724747	7,148836333	0,07636167	1,054355705	Znf512b
17377317	5,479047	5,550363	5,517686	5,562253	5,68432	5,529626	5,5156987	5,592066333	0,07636767	1,05436009	Nkx2-2
17448524	3,153102	3,471118	3,189472	3,394649	3,453525	3,194654	3,2712307	3,347609333	0,07637867	1,054368129	---
17217369	5,924376	5,748897	5,850366	5,717311	6,062562	5,972914	5,841213	5,917595667	0,07638267	1,054371052	Prelp
17287579	6,821065	6,820527	6,894447	6,821416	7,021867	6,921921	6,8453463	6,921734667	0,07638833	1,054375194	Zfp346
17476819	8,602224	8,808069	8,657098	8,763971	8,801218	8,731393	8,6891303	8,765527333	0,076397	1,054381527	Ankrd27
17464901	7,422882	7,503337	7,098196	7,224487	7,466577	7,562608	7,3414717	7,417890667	0,076419	1,054397606	Tmem168
17403733	3,286808	3,18754	3,238944	3,321641	3,28975	3,331234	3,2377164	3,314208333	0,07644433	1,054416121	---
17492018	6,086175	5,825634	6,138524	5,927717	6,24759	6,10437	6,0167777	6,093225667	0,076448	1,054418801	Synm
17510640	7,657636	7,738983	7,711175	7,764188	7,826245	7,746777	7,702598	7,77907	0,076472	1,054436342	Arhgap10
17247117	7,304268	7,4505	7,374022	7,518056	7,314374	7,525801	7,3762633	7,452743667	0,07648033	1,054442433	Zmiz2
17290106	3,20504	3,171738	3,157086	3,282899	3,317383	3,163085	3,1779547	3,254455667	0,076501	1,054457538	1700003P14Rik
17344692	5,388383	5,462044	5,462613	5,455132	5,499151	5,58826	5,43768	5,514181	0,076501	1,054457538	---
17449631	9,148521	9,60928	9,081059	9,278275	9,321273	9,468844	9,27962	9,356130667	0,07651067	1,054464603	---
17419405	10,32845	10,78198	10,81397	10,8377	10,79029	10,52597	10,641467	10,71798667	0,07652	1,054471425	Snora16a
17398121	7,168573	7,162867	7,125012	7,281965	7,23934	7,16473	7,1521507	7,228678333	0,07652767	1,054477028	Rsrc1
17506551	7,38135	7,42189	7,594412	7,588224	7,537563	7,501472	7,465884	7,542419667	0,07653567	1,054482876	Cdk10
17331914	4,101052	3,850101	3,76136	4,04417	3,958699	3,939255	3,904171	3,980708	0,076537	1,05448385	Krtap11-1
17391472	10,7214	10,80428	10,77864	11,04367	11,05484	10,43543	10,768107	10,84464667	0,07654	1,054486043	---
17225693	6,760063	6,848603	6,741474	6,907714	6,885378	6,786674	6,78338	6,859922	0,076542	1,054487505	Mterfd2
17223932	7,80573	7,629514	7,810145	7,753839	7,913283	7,807938	7,748463	7,82502	0,076557	1,054498469	Lancl1
17476752	7,315025	7,340277	7,341196	7,345712	7,565382	7,315104	7,332166	7,408732667	0,07656667	1,054505534	Rhpn2
17289527	6,788649	6,671814	6,080389	6,379296	6,536292	6,854988	6,5136173	6,590192	0,07657467	1,054511382	Cd180
17300638	8,305867	8,250773	8,104198	8,265491	8,361247	8,263855	8,2202793	8,296864333	0,076585	1,054518935	Gmpr2
17247080	10,30615	10,2167	10,29446	10,33962	10,33784	10,36964	10,272437	10,34903333	0,07659667	1,054527462	Ogdh
17366626	3,803659	3,63797	3,784742	3,823918	3,871003	3,761265	3,7421237	3,818728667	0,076605	1,054533553	Celf2
17547840	4,538364	4,466272	4,625187	4,614639	4,596274	4,648823	4,5432743	4,619912	0,07663767	1,054557431	Gm10325
17278349	6,126581	6,283117	5,998004	6,4036	5,951588	6,282429	6,1359007	6,212539	0,07663833	1,054557919	Tcl1b2
17284993	10,93188	11,0701	11,03949	11,09832	11,03548	11,13763	11,013823	11,09047667	0,07665333	1,054568883	---
17460275	6,457588	6,480691	6,610761	6,734171	6,515079	6,529795	6,5163467	6,593015	0,07666833	1,054579848	Smyd5
17257893	5,477143	5,415249	5,685955	5,510803	5,911488	5,386113	5,5261157	5,602801333	0,07668567	1,054592518	---
17279151	5,340276	5,551024	4,950109	4,872162	6,250558	4,948822	5,2804697	5,357180667	0,076711	1,054611037	---
17301697	5,551768	5,406831	5,409003	5,560655	5,76921	5,267928	5,4558673	5,532597667	0,07673033	1,054625169	Tnfrsf10b
17408054	4,702535	4,563629	4,810063	4,694549	4,90195	4,709943	4,6920757	4,768814	0,07673833	1,054631018	BC107364
17531870	4,337403	4,156601	4,324364	4,388519	4,329502	4,330597	4,2727893	4,349539333	0,07675	1,054639546	4930525D18Rik
17402756	6,795896	6,680874	6,761875	6,829033	6,861426	6,778514	6,746215	6,822991	0,076776	1,054658553	Ppa2

17532639	9,520994	9,943623	9,522418	9,849115	9,968859	9,399391	9,662345	9,739121667	0,07677667	1,05465904	---
17392718	9,038064	8,782523	9,079544	9,049907	9,043156	9,037412	8,9667103	9,043491667	0,07678133	1,054662452	---
17387774	4,14571	4,116955	3,899541	3,986127	4,407684	3,998758	4,0540687	4,130856333	0,07678767	1,054667082	Olfr1137
17450741	9,386044	9,278045	9,261008	9,244516	9,547373	9,36359	9,3083657	9,385159667	0,076794	1,054671712	Atp5k // Atp5k
17338470	4,599854	4,340075	4,167035	4,675835	4,312263	4,349275	4,368988	4,445791	0,076803	1,054678291	---
17216809	8,732108	8,614573	8,341674	8,587984	8,707634	8,623158	8,562785	8,639592	0,076807	1,054681215	Rab3gap1
17456440	3,407585	3,420603	3,552805	3,479147	3,631368	3,500911	3,460331	3,537142	0,076811	1,054684139	Hyal4
17258178	7,317822	7,31401	7,247962	7,288159	7,507968	7,314126	7,2932647	7,370084333	0,07681967	1,054690475	Cdr2l
17322113	8,974349	8,861852	8,723878	8,856976	8,923144	9,010419	8,8533597	8,930179667	0,07682	1,054690719	Krt8
17303941	9,118183	9,167093	9,024204	9,230868	9,209081	9,100002	9,10316	9,179983667	0,07682367	1,054693399	Ap3m1
17238848	7,807468	7,841252	7,716385	8,0368	7,834092	7,724685	7,7883683	7,865192333	0,076824	1,054693643	Syne1
17399922	3,262968	3,322937	3,595432	3,901555	3,237351	3,272925	3,393779	3,470610333	0,07683133	1,054699004	Lce3f
17443883	7,895153	7,946627	7,792766	7,972787	7,927381	7,96494	7,878182	7,955036	0,076854	1,054715575	Zfp157
17430080	7,126697	6,953836	6,935068	7,168368	7,049669	7,028138	7,0052003	7,082058333	0,076858	1,054718499	Eif2c1
17477734	7,297275	7,273272	7,373945	7,61161	7,300913	7,262587	7,3148307	7,391703333	0,07687267	1,054729222	Tead2
17439351	4,468899	4,376429	4,147036	4,686855	4,243304	4,292841	4,330788	4,407666667	0,07687867	1,054733608	AU018829 // AU018829
17358416	4,453597	4,260055	4,461279	4,523135	4,573506	4,308971	4,3916437	4,468537333	0,07689367	1,054744575	Gm815
17442909	8,412175	8,545465	8,50113	8,534063	8,728512	8,426904	8,4862567	8,563159667	0,076903	1,054751398	Gbas
17470689	7,123977	7,041216	7,099118	7,203227	7,186743	7,105065	7,0881037	7,165011667	0,076908	1,054755054	Pex5
17203799	3,724742	3,252234	2,676508	3,152963	3,218575	3,512708	3,217828	3,294748667	0,07692067	1,054764314	---
17234131	3,667961	3,622866	3,747456	3,610268	3,857986	3,80085	3,6794277	3,756368	0,07694033	1,054778693	2310015B20Rik
17527719	6,752587	7,143242	6,90693	7,0254	6,970097	7,038105	6,934253	7,011200667	0,07694767	1,054784054	Cd276
17352203	6,376286	6,709489	6,46051	6,584329	6,70473	6,488107	6,5154283	6,592388667	0,07696033	1,054793315	Zfp516
17388019	3,60357	3,301511	3,539142	3,634342	3,499605	3,541161	3,4814077	3,558369333	0,07696167	1,054794229	Olfr32
17262783	7,925016	7,977194	7,952867	7,934522	8,173213	7,978286	7,9516923	8,028673667	0,07698133	1,054808669	Slc22a4
17279014	6,945931	6,85487	7,084247	7,331639	6,815224	6,969281	6,9616827	7,038714667	0,077032	1,054845714	Zfp839
17252756	4,036496	4,256993	4,102054	4,165208	4,078157	4,383281	4,1318477	4,208882	0,07703433	1,05484742	Olfr412
17343207	6,190686	6,305808	6,120366	6,199443	6,56896	6,079623	6,20562	6,282675333	0,07705533	1,054862775	Wdr4
17237412	8,741564	8,684043	8,465625	8,558914	8,69719	8,866297	8,6304107	8,707467	0,07705633	1,054863506	Tspan8
17375244	5,321495	5,188884	5,214707	5,412743	5,291034	5,252522	5,2416953	5,318766333	0,077071	1,05487423	Mtap1a
17391596	5,177308	5,193582	5,373545	5,387619	5,295134	5,292951	5,248145	5,325234667	0,07708967	1,054887879	4932416H05Rik
17442553	7,877475	8,111369	8,023474	8,050964	8,221795	7,970876	8,004106	8,081211667	0,07710567	1,054899578	Gtf2h3
17237833	4,16382	4,019366	4,052111	4,397181	4,200477	3,868968	4,0784323	4,155542	0,07710967	1,054902503	---
17312095	4,660654	4,296277	3,657094	4,662031	4,055809	4,127522	4,204675	4,281787333	0,07711233	1,054904452	---
17538096	9,150013	9,187059	9,068718	9,165485	9,207443	9,264223	9,1352633	9,212383667	0,07712033	1,054910302	Rnf128
17238659	3,415282	3,367469	3,419329	3,531602	3,476429	3,425415	3,4006933	3,477815333	0,077122	1,054911521	Olfr781
17395099	4,194246	4,578197	4,347396	4,445629	4,336595	4,568998	4,3732797	4,450407333	0,07712767	1,054915664	Ankrd60
17326203	5,424979	5,214602	5,315799	5,698085	5,404423	5,08427	5,31846	5,395592667	0,07713267	1,05491932	---
17238892	6,823403	7,436876	6,955863	7,140683	7,215139	7,091729	7,0720473	7,149183667	0,07713633	1,054922002	Syne1
17407457	3,559016	3,713342	3,254743	3,453981	3,747538	3,557024	3,5090337	3,586181	0,07714733	1,054930045	Lce1g
17329167	8,012758	8,164383	8,149367	8,27239	8,238983	8,046578	8,108836	8,185983667	0,07714767	1,054930289	Clcn2
17408945	9,278777	9,420185	9,19186	9,327638	9,426792	9,36784	9,2969407	9,37409	0,07714933	1,054931507	Cept1
17222274	9,399012	9,494372	9,395487	9,455206	9,518743	9,546383	9,4296237	9,506777333	0,07715367	1,054934676	Tmem131
17421222	3,068232	3,314489	3,257323	3,39162	3,260331	3,219616	3,213348	3,290522333	0,07717433	1,054949788	Gm13083
17242318	8,828098	8,716352	8,926016	8,96797	8,777053	8,956987	8,8234887	8,90067	0,07718133	1,054954907	Gm7138
17377831	5,00324	4,746375	5,067496	4,983595	4,940655	5,124457	4,939037	5,016235667	0,07719867	1,054967582	Ttll9
17343744	7,357473	7,715828	7,523286	7,631222	7,548392	7,648651	7,5321957	7,609421667	0,077226	1,054987569	Slc39a7
17425371	4,746244	4,994298	4,810817	4,841476	5,128282	4,813309	4,850453	4,927689	0,077236	1,054994882	---
17302832	6,836421	6,214265	6,866321	6,941317	6,563513	6,643915	6,6390023	6,716248333	0,077246	1,055002195	B930095G15Rik
17265958	9,139577	9,126682	9,145103	9,276361	9,154473	9,212362	9,1371207	9,214398667	0,077278	1,055025596	Serpinf1
17423463	9,000297	8,899009	8,954072	9,031009	9,063002	8,991229	8,951126	9,028413333	0,07728733	1,055032421	Decr1
17486136	6,402157	6,255869	6,164737	6,4185	6,093333	6,542816	6,2742543	6,351549667	0,07729533	1,055038271	Zfp954
17222668	3,490079	3,434523	3,403176	3,532717	3,602267	3,424708	3,4425927	3,519897333	0,07730467	1,055045097	A530098C11Rik
17203019	7,22558	7,031653	6,867254	7,341153	7,179819	6,835436	7,0414957	7,118802667	0,077307	1,055046803	---
17481354	3,704907	3,482419	3,739095	3,655515	3,782638	3,720267	3,6421403	3,719473333	0,077333	1,055065817	Olfr687
17540774	6,503603	5,631813	5,099974	6,488135	4,968994	6,010277	5,74513	5,822468667	0,07733867	1,055069961	Gm10486
17474867	4,400015	4,234541	4,333724	4,386417	4,421061	4,39286	4,32276	4,400112667	0,07735267	1,0550802	Vmn1r179
17407149	6,426519	6,529255	6,519542	6,449761	6,676797	6,580826	6,491772	6,569128	0,077356	1,055082638	Atp8b2
17513769	3,383157	3,406112	3,16958	3,340138	3,456872	3,393918	3,3196163	3,396976	0,07735967	1,055085319	---
17238880	7,39337	7,714658	7,456114	7,682858	7,494061	7,619318	7,5213807	7,598745667	0,077365	1,05508922	Syne1
17419773	7,180616	7,24017	7,262892	7,35345	7,285369	7,276956	7,2278927	7,305258333	0,07736567	1,055089707	Stmn1
17341694	11,1443	11,20994	11,11469	11,20434	11,23933	11,25736	11,15631	11,23367667	0,07736667	1,055090438	---
17259177	7,799699	7,793972	7,641185	7,902785	7,877518	7,686732	7,744952	7,822345	0,077393	1,055109697	Rptor
17387813	3,995199	4,135219	4,002571	4,090897	4,05874	4,215531	4,0443297	4,121722667	0,077393	1,055109697	Olfr1167
17280354	3,756238	3,542661	3,813044	3,815289	3,907252	3,621597	3,703981	3,781379333	0,07739833	1,055113598	---
17344846	4,447891	4,227776	4,565091	4,444491	4,54614	4,482337	4,413586	4,490989333	0,07740333	1,055117254	Olfr94
17388234	12,51053	12,57463	12,60592	12,62305	12,67277	12,62753	12,563693	12,64111667	0,07742333	1,055131881	F2
17406527	10,91515	11,10577	10,90983	10,93735	11,13152	11,09415	10,976917	11,05434	0,07742333	1,055131881	Gm6570
17446093	5,449541	5,313539	5,857438	5,576003	5,825932	5,450855	5,5401727	5,617596667	0,077424	1,055132369	---
17357231	9,476252	10,09494	10,16528	10,07731	9,720496	10,17099	9,9121573	9,989598667	0,07744133	1,055145046	---
17215557	5,281202	5,288336	5,462294	5,51972	5,379122	5,365411	5,343944	5,421417667	0,07747367	1,055168694	2410088K16Rik
17415369	7,058395	6,738162	7,04145	6,842899	7,144326	7,083205	6,9460023	7,023476667	0,07747433	1,055169182	Ifna4
17388655	3,328446	3,306911	3,360315	3,390713	3,550565	3,286822	3,3318907	3,409366667	0,077476	1,055170401	4930445B16Rik // 4930445B16Rik
17467548	3,016839	3,283121	3,241985	3,267434	3,306345	3,200631	3,1806483	3,258136667	0,07748833	1,055179421	Igkv6-14
17331401	3,545589	3,828101	3,684583	3,453391	4,399119	3,438241	3,686091	3,763583667	0,07749267	1,05518259	---
17241618	4,400469	4,028305	4,406921	4,349492	4,368723	4,349973	4,278565	4,356062667	0,07749767	1,055186247	1110002J07Rik
17492885	5,355382	5,258587	5,315207	5,339162	5,3429	5,479613	5,3097253	5,387225	0,07749967	1,05518771	4933406J10Rik
17243034	8,982004	8,934519	9,122993	9,007105	9,130975	9,133962	9,013172	9,090680667	0,07750867	1,055194293	Mknk2
17342785	9,351995	9,40784	9,247431	9,374415	9,422452	9,442966	9,3357553	9,413277667	0,07752233	1,055204289	D17Wsu92e
17548188	5,567865	5,576838	5,521762	5,718105	5,58633	5,594626	5,5554883	5,633020333	0,077532	1,055211359	Ythdf1 // Ythdf1
17522133	6,422969	6,400146	6,408407	6,340237	6,489936	6,633983	6,4105073	6,488052	0,07754467	1,055220624	Shisa5
17224071	12,99499	13,04543	13,03919	13,12119	13,13447	13,0566	13,026537	13,10408667	0,07755	1,055224525	Fn1
17489551	4,217835	4,206279	4,278134	4,307291	4,26413	4,363528	4,2340827	4,311649667	0,077567	1,055236959	Gm12770
17412191	7,752328	7,612872	7,57638	7,734229	7,698084	7,741982	7,6471933	7,724765	0,07757167	1,055240372	Coq3
17299164	6,611386	6,381855	5,841778	6,443645	6,210623	6,4135	6,2783397	6,355922667	0,077583	1,055248662	---
17309380	3,044155	3,084736	3,160503	3,203063	3,132528	3,186561	3,0964647	3,174050667	0,077586	1,055250856	4930505G20Rik
17548074	7,507286	7,48079	7,402488	7,538252	7,563985	7,521132	7,4635213	7,541123	0,07760167	1,055262316	Dpysl3
17246408	3,651848	3,189692	3,418188	3,464925	3,531439	3,496173	3,4199093	3,497512333	0,077603	1,055263291	Olfr772
17236493	3,837163	3,801152	4,06317	4,09114	3,834628	4,008567	3,900495	3,978111667	0,07761667	1,055273287	---
17357729	4,552948	4,811977	5,012527	4,757039	4,912368	4,940919	4,792484	4,870108667	0,07762467	1,055279139	Gif
17265814	4,856483	4,052249	4,495787	4,955981	4,170651	4,510806	4,468173	4,545812667	0,07763967	1,055290111	Olfr43
17476687	6,092734	6,14175	5,876651	5,983007	6,077539	6,283548	6,037045	6,114698	0,077653	1,055299864	---
17244261	4,504095	4,42259	4,573876	4,589415	4,608665	4,535482	4,500187	4,577854	0,077667	1,055310105	---
17267559	7,884526	7,656938	7,848822	7,87972	7,871351	7,872232	7,796762	7,874434333	0,07767233	1,055314006	Msi2
17468376	6,797501	6,838804	6,989991	7,043922	6,965262	6,85013	6,875432	6,953104667	0,07767267	1,05531425	1700040I03Rik
17278305	3,788491	3,899853	4,103311	3,955287	4,054575	4,014857	3,9305517	4,008239667	0,077688	1,055325466	Serpina3j
17391531	4,78355	4,891478	4,966652	4,984876	4,999309	4,890568	4,88056	4,958251	0,077691	1,055327661	---
17383663	6,700291	6,565842	6,815182	6,636681	6,937724	6,740071	6,6937717	6,771492	0,07772033	1,055349118	Ier5l
17299880	5,346603	5,133516	5,422486	5,322682	5,398339	5,414754	5,3008683	5,378591667	0,07772333	1,055351313	---
17299957	5,346603	5,133516	5,422486	5,322682	5,398339	5,414754	5,3008683	5,378591667	0,07772333	1,055351313	---
17465044	11,06717	10,90748	10,93313	11,08898	11,02783	11,02414	10,96926	11,04698333	0,07772333	1,055351313	Tspan12
17291509	5,869021	5,955024	5,806974	5,958661	5,866725	6,038817	5,8770063	5,954734333	0,077728	1,055354726	2610307P16Rik
17240405	7,714727	8,054294	7,991256	7,861807	8,067434	8,064225	7,9200923	7,997822	0,07772967	1,055355946	Fig4
17206089	3,158017	3,863237	3,516667	3,572382	3,808762	3,390048	3,5126403	3,590397333	0,077757	1,055375941	---
17241635	4,228946	3,885175	3,913457	4,245736	3,978112	4,037005	4,0091927	4,086951	0,07775833	1,055376916	---
17549212	5,171597	5,100004	5,0625	4,959498	5,429327	5,178607	5,111367	5,189144	0,077777	1,055390571	---
17211335	4,244476	4,0704	4,327624	4,368464	4,24622	4,261169	4,2141667	4,291951	0,07778433	1,055395936	Tfap2d
17517719	3,4455	3,334135	3,341111	3,477107	3,310521	3,566475	3,373582	3,451367667	0,07778567	1,055396911	4930430J02Rik // 4930430J02Rik
17541152	4,105866	3,685621	4,107012	4,126621	4,134553	3,970721	3,9661663	4,043965	0,07779867	1,055406422	Rhox12 // Rhox12
17302739	4,874211	5,016751	4,711974	4,996988	4,951915	4,88743	4,8676453	4,945444333	0,077799	1,055406665	---
17379439	8,629887	8,859242	8,661417	8,799128	8,717361	8,867458	8,7168487	8,794649	0,07780033	1,055407641	Pigt
17517947	8,778794	8,918106	8,828284	8,911385	8,98491	8,862305	8,841728	8,919533333	0,07780533	1,055411299	Hexa
17487876	7,375293	7,576429	7,52362	7,467526	7,598651	7,642586	7,4917807	7,569587667	0,077807	1,055412518	Dedd2
17492877	5,496155	5,120022	5,285091	5,447613	5,039899	5,647188	5,3004227	5,378233333	0,07781067	1,0554152	Fam154b
17201837	5,351887	5,749412	7,063754	6,222872	5,857958	6,317682	6,0550177	6,132837333	0,07781967	1,055421784	---
17203645	7,636086	7,722757	8,012615	7,898985	7,872552	7,833423	7,790486	7,86832	0,077834	1,05543227	---
17485662	4,359062	4,654225	4,162641	4,478904	4,537863	4,392693	4,391976	4,46982	0,077844	1,055439586	Gm10693
17446836	10,03466	10,08401	9,733407	10,03285	9,922818	10,12997	9,9506923	10,028546	0,07785367	1,055446658	Mpv17
17206035	4,24554	4,225179	4,628956	4,475583	4,043197	4,814481	4,3665583	4,444420333	0,077862	1,055452754	---
17203973	5,715528	5,095063	5,570675	5,619102	5,926443	5,069335	5,460422	5,538293333	0,07787133	1,055459582	---
17201091	9,073541	8,963031	8,976876	8,81054	9,203403	9,233169	9,0044827	9,082370667	0,077888	1,055471776	---
17202981	3,60559	4,326497	4,494549	4,194657	3,987122	4,478526	4,142212	4,220101667	0,07788967	1,055472995	---
17406363	8,674345	8,881123	8,767824	8,606545	8,936419	9,014019	8,7744307	8,852327667	0,077897	1,05547836	Fhdc1
17305372	6,944724	6,153702	6,088542	6,79282	6,150321	6,477529	6,395656	6,473556667	0,07790067	1,055481043	Gm8005
17550709	4,027383	3,972848	4,408623	4,148002	4,302053	4,192546	4,1362847	4,214200333	0,07791567	1,055492017	---
17517727	10,34097	10,5004	10,44315	10,44618	10,46916	10,60296	10,428173	10,5061	0,07792667	1,055500064	Cox5a
17456689	7,427558	7,178599	7,666444	7,499606	7,39736	7,609467	7,4242003	7,502144333	0,077944	1,055512746	---
17213101	4,985639	5,010898	5,040885	5,070307	5,165637	5,035329	5,012474	5,090424333	0,07795033	1,055517379	Aox3l1
17374178	3,433326	3,251164	3,126606	3,352785	3,568759	3,123422	3,2703653	3,348322	0,07795667	1,055522013	Olfr1281
17204447	4,49454	4,257928	4,582787	5,495677	4,05354	4,01993	4,445085	4,523049	0,077964	1,055527378	---
17406333	6,101269	5,952385	5,96693	5,825463	6,186734	6,242319	6,0068613	6,084838667	0,07797733	1,055537134	Trim2
17339854	5,362931	5,346032	5,472801	5,697377	5,328157	5,390183	5,3939213	5,471905667	0,07798433	1,055542255	---
17352175	6,084939	6,063288	6,292568	6,206496	6,272176	6,196089	6,1469317	6,224920333	0,07798867	1,055545426	Mbp
17440321	3,520488	3,587158	3,332007	3,664047	3,689978	3,319596	3,4798843	3,557873667	0,07798933	1,055545913	1700047L14Rik // 1700047L14Rik

17449372	2,931244	3,085487	3,149959	3,197308	3,298054	2,905369	3,0555633	3,133577	0,07801367	1,055563717	Ugt2b38
17442269	7,603211	7,440257	7,422253	7,443099	7,618934	7,637778	7,4885737	7,566603667	0,07803	1,055575667	Bcl7a
17343387	7,580334	7,622335	7,535935	7,704295	7,60172	7,666727	7,5795347	7,657580667	0,078046	1,055587374	Akap8l
17360651	5,296713	5,073522	5,105309	5,420232	5,066655	5,222796	5,1585147	5,236561	0,07804633	1,055587618	4930449E18Rik
17397467	4,601459	4,524346	4,875872	4,76387	4,726014	4,74594	4,6672257	4,745274667	0,078049	1,055589569	5031434O11Rik
17535130	3,477339	3,306173	3,254725	3,460009	3,470562	3,341823	3,346079	3,424131333	0,07805233	1,055592008	C230004F18Rik
17337155	5,395964	5,478868	5,370821	5,446115	5,461797	5,571906	5,4152177	5,493272667	0,078055	1,055593959	Pou5f1
17280810	8,612517	8,606817	8,557964	8,532652	8,734795	8,744018	8,5924327	8,670488333	0,07805567	1,055594447	Arl4a
17217383	5,921046	5,783563	5,81242	6,005218	5,910543	5,835462	5,8390097	5,917074333	0,07806467	1,055601032	Chit1
17484710	4,731312	4,635742	4,859799	4,778192	4,910407	4,772505	4,7422843	4,820368	0,07808367	1,055614934	B4galnt4
17548626	5,661458	5,928581	5,902366	6,091224	5,825466	5,809985	5,8308017	5,908891667	0,07809	1,055619569	Gm10584 // Gm10584
17489341	4,552124	4,365734	4,656587	4,47756	4,587841	4,74339	4,524815	4,602930333	0,07811533	1,055638105	Mag
17259262	5,782279	5,630497	5,710451	5,809184	5,941531	5,60691	5,7077423	5,785875	0,07813267	1,055650788	Mir338 // Mir338
17500453	5,466196	5,604589	5,565527	5,662891	5,726854	5,480982	5,5454373	5,623575667	0,07813833	1,055654935	Tex15
17204619	5,53613	5,548572	5,676368	6,063276	5,541725	5,390494	5,5870233	5,665165	0,07814167	1,055657374	---
17335936	4,8429	5,053121	4,762333	4,585464	5,199383	5,10799	4,886118	4,964279	0,078161	1,055671521	Cyp4f39
17287536	6,355397	6,351626	6,253719	6,333662	6,448224	6,413342	6,3202473	6,398409333	0,078162	1,055672252	Tspan17
17229198	4,115887	4,806131	4,530788	4,565559	4,556185	4,565559	4,4842687	4,562434333	0,07816567	1,055674935	Tbx19
17266844	4,731877	4,691079	4,758983	4,715004	4,955882	4,745586	4,727313	4,805490667	0,07817767	1,055683716	Gm12575
17365863	8,127183	8,223717	8,274283	8,151751	8,302654	8,405321	8,2083943	8,286575333	0,078181	1,055686155	A630007B06Rik
17229370	4,631108	5,051449	4,95888	4,899419	4,96928	5,007353	4,880479	4,958684	0,078205	1,055703717	Fmo9
17241532	4,239336	4,217982	4,288771	4,174089	4,526273	4,280358	4,2486963	4,326906667	0,07821033	1,05570762	---
17464803	6,517489	6,450391	6,502439	6,689062	6,58424	6,431682	6,4901063	6,568328	0,07822167	1,055715913	Ica1
17364109	3,486197	3,31792	3,38207	3,496665	3,471601	3,452591	3,3953957	3,473619	0,07822333	1,055717133	---
17454846	6,906591	6,704404	7,007044	6,918167	7,0472	6,887344	6,8726797	6,950903667	0,078224	1,055717621	Zdhhc4
17387697	3,342203	2,775083	3,198418	3,086417	3,280549	3,183411	3,1052347	3,183459	0,07822433	1,055717865	Olfr1084
17209013	7,092668	7,073081	7,140779	7,366513	7,005869	7,168822	7,102176	7,180401333	0,07822533	1,055718597	---
17426563	3,207921	3,487015	3,487015	3,332126	3,541168	3,543337	3,3939837	3,472210333	0,07822667	1,055719572	---
17485039	4,542264	4,381205	4,578891	4,564713	4,48447	4,687948	4,5007867	4,579043667	0,078257	1,055741769	Muc5ac
17506854	8,574651	8,601744	8,490428	8,519518	8,734346	8,647764	8,5556077	8,633876	0,07826833	1,055750063	Tsnax
17540203	6,51776	6,614772	6,466313	6,512983	6,675211	6,645485	6,5329483	6,611226333	0,078278	1,055757137	Rpgr
17282730	6,563709	6,770914	6,807978	6,761218	6,852156	6,764071	6,7142003	6,792481667	0,07828133	1,055759576	---
17218598	6,997009	7,469647	7,310005	7,537075	7,088815	7,385631	7,258887	7,337173667	0,07828667	1,055763479	4930562F07Rik
17401805	4,694884	4,764446	4,690928	4,692483	4,993178	4,699458	4,7167527	4,795039667	0,078287	1,055763723	4921515J06Rik
17520292	4,575212	4,383264	4,507654	4,444905	4,643966	4,612149	4,48871	4,567006667	0,07829667	1,055770797	Zic4
17247351	3,725523	3,705854	4,137485	3,79119	4,064662	3,947907	3,8562873	3,934586333	0,078299	1,055772505	1700042O10Rik
17234709	4,233012	4,031308	4,327072	4,291522	4,295934	4,238898	4,1971307	4,275451333	0,07832067	1,055788361	Gm10024
17448409	3,95015	3,682044	3,832037	3,912663	4,004141	3,782439	3,8214103	3,899747667	0,07833733	1,055800558	---
17425421	3,413594	3,363181	3,206026	3,289656	3,525278	3,402918	3,3276003	3,405950667	0,07835033	1,055810072	Actl7b
17236527	5,107744	5,002071	4,915471	4,78968	5,105489	5,365177	5,0084287	5,086782	0,07835333	1,055812267	Gm17745
17207649	4,63123	4,814399	4,813986	5,054104	4,814814	4,625757	4,753205	4,831558333	0,07835333	1,055812267	---
17427802	4,739894	4,92483	4,805397	5,021388	4,768045	4,915751	4,8233737	4,901728	0,07835433	1,055812999	BC055111
17204403	4,349597	3,785534	3,51381	4,245028	4,028944	3,6101	3,8829803	3,961357333	0,078377	1,055829587	---
17317949	3,775796	3,776738	3,926276	3,835574	4,04283	3,835574	3,82627	3,904659333	0,07838933	1,055838613	Gm19859
17348459	10,73091	10,63981	10,7214	10,63362	10,955	10,73874	10,697373	10,77578667	0,07841333	1,055856178	---
17521475	7,684713	7,728338	7,42924	7,649483	7,613924	7,814183	7,614097	7,69253	0,078433	1,055870571	Mon1a
17333797	3,255207	3,101048	3,546	3,270076	3,609907	3,257577	3,3007517	3,379186667	0,078435	1,055872035	Vmn2r99
17205565	5,361722	5,933929	5,516219	5,713415	5,554218	5,779553	5,6039567	5,682395333	0,07843867	1,055874719	---
17248129	5,199988	5,131065	5,382612	5,258113	5,358692	5,33219	5,2378883	5,316331667	0,07844333	1,055878134	Gm8098
17497693	7,487044	7,483499	7,673928	7,800668	7,562817	7,516335	7,548157	7,626606667	0,07844967	1,055882769	Sirt3
17229212	9,77953	9,752697	9,651653	9,720958	9,810676	9,887639	9,72796	9,806424333	0,07846433	1,055893504	Sft2d2
17431744	4,807869	4,625336	4,761344	4,94742	4,978673	4,50385	4,7315163	4,809981	0,07846467	1,055893748	---
17336965	5,523242	5,358965	5,599315	5,640834	5,492705	5,583397	5,4938407	5,572312	0,07847133	1,055898627	Ly6g5c
17486761	3,809623	3,655078	3,893089	3,868938	3,876334	3,848012	3,78593	3,864428	0,078498	1,055918144	---
17210311	3,040621	3,578517	3,311308	3,496891	3,479887	3,189164	3,3101487	3,388647333	0,07849867	1,055918632	---
17448924	9,107062	9,172062	8,943504	9,236097	9,190056	9,032049	9,0742093	9,152734	0,07852467	1,055937662	Kdr
17204455	3,099659	3,691361	3,973783	3,859013	3,547713	3,593695	3,5882677	3,666807	0,07853933	1,055948397	---
17232316	4,213853	3,942357	3,839985	4,252294	3,796733	4,182788	3,9987317	4,077271667	0,07854	1,055948885	Samd3
17380877	2,964931	2,778856	2,77303	2,842426	3,166844	2,743186	2,838939	2,917485333	0,07854633	1,05595352	Mir124a-3
17544830	4,107944	4,357146	4,328607	4,288444	4,474445	4,266519	4,2645657	4,343136	0,07857033	1,055971087	Tex13a
17208101	4,876065	4,802128	4,464613	5,506189	4,091354	4,781038	4,7142687	4,792860333	0,07859167	1,055986702	---
17266578	4,863504	4,862314	5,037367	5,014583	5,022113	4,962277	4,9210617	4,999657667	0,078596	1,055989874	---
17424389	6,926476	6,789941	7,158431	7,31433	6,928936	6,867478	6,9582827	7,036914667	0,078632	1,056016224	Il11ra2
17424431	6,926476	6,789941	7,158431	7,31433	6,928936	6,867478	6,9582827	7,036914667	0,078632	1,056016224	Il11ra2
17434174	6,926476	6,789941	7,158431	7,31433	6,928936	6,867478	6,9582827	7,036914667	0,078632	1,056016224	Il11ra2
17434259	6,926476	6,789941	7,158431	7,31433	6,928936	6,867478	6,9582827	7,036914667	0,078632	1,056016224	Il11ra2
17443562	6,130107	5,761773	5,848308	6,03594	5,907053	6,033166	5,913396	5,992053	0,078657	1,056034524	Gm8066
17549488	5,220533	4,907834	5,308102	5,308964	5,194417	5,169096	5,1454897	5,224159	0,07866933	1,056043552	---
17281276	6,115869	6,215667	6,035201	6,372097	6,226253	6,004434	6,1222457	6,200928	0,07868233	1,056053068	---
17419237	8,897849	8,760446	8,780764	8,927524	8,83418	8,913408	8,8130197	8,891704	0,07868433	1,056054532	Pum1
17357548	10,55844	10,56155	10,55477	10,52619	10,77933	10,60534	10,558253	10,63695333	0,0787	1,056066	---
17501482	2,906405	2,900844	2,874274	3,008128	3,049682	2,859923	2,893841	2,972577667	0,07873667	1,05609284	---
17218713	6,658423	6,69976	6,521723	6,77796	6,656019	6,682161	6,6266353	6,70538	0,07874467	1,056098697	Pigc
17426929	5,932682	5,698066	5,926888	5,891224	6,136487	5,766178	5,8525453	5,931296333	0,078751	1,056103333	Bnc2
17444202	7,656321	7,335046	7,472599	7,703248	7,424862	7,572211	7,4879887	7,566773667	0,078785	1,056128222	Foxk1
17211739	5,616576	5,669399	5,812211	5,637544	5,896151	5,800852	5,6993953	5,778182333	0,078787	1,056129686	Cfc1
17431377	9,73022	9,683946	9,648584	9,847002	9,856651	9,59546	9,6875833	9,766371	0,07878767	1,056130175	Tmem50a
17392268	4,244573	4,276781	4,169219	4,425623	4,297442	4,203903	4,230191	4,308989333	0,07879833	1,056137983	---
17300199	3,332533	3,566648	3,153102	3,499743	3,588901	3,200042	3,350761	3,429562	0,078801	1,056139935	---
17299089	8,203054	8,099013	8,401139	8,239853	8,359279	8,340479	8,234402	8,313203667	0,07880167	1,056140423	Gm8113 // Gm8113
17456176	8,965543	8,980438	8,845867	9,001317	9,167107	8,859855	8,930616	9,009426333	0,07881033	1,056146768	Met
17210423	4,253381	4,789668	4,42922	4,666766	4,413938	4,628034	4,4907563	4,569579333	0,078823	1,056156041	---
17357535	11,21319	11,11942	11,26499	11,25204	11,3707	11,21137	11,1992	11,27803667	0,07883667	1,056166046	---
17209905	5,27674	4,619952	4,662573	4,628615	5,613549	4,553627	4,8530883	4,931930333	0,078842	1,05616995	---
17337750	8,519706	8,818683	8,91109	8,939838	8,88616	8,660017	8,7498263	8,828671667	0,07884533	1,05617239	Gpr110
17512456	9,336284	9,515792	9,476772	9,530153	9,552694	9,482578	9,4429493	9,521808333	0,078859	1,056182396	Atp6v0d1
17502874	5,547692	5,548398	5,52012	5,433321	5,734115	5,68538	5,5387367	5,617605333	0,07886867	1,056189473	Tbc1d9
17206729	6,19115	6,01409	6,104077	6,627879	6,084396	5,83365	6,1031057	6,181975	0,07886933	1,056189961	---
17417167	4,066226	3,931136	4,179074	3,986621	4,276438	4,150023	4,058812	4,137694	0,078882	1,056199234	Cyp4a29-ps
17323999	4,046381	3,792694	3,912589	3,983476	4,226167	3,778669	3,9172213	3,996104	0,07888267	1,056199722	Vwa5b2
17485187	4,992516	4,824593	4,938085	5,09503	4,727875	5,168938	4,918398	4,997281	0,078883	1,056199966	Krtap5-3
17463416	5,311717	5,381122	5,248961	5,320543	5,494582	5,36333	5,3139333	5,392818333	0,078885	1,05620143	4933413G19Rik
17358500	7,749537	7,673385	7,689116	7,682354	7,817983	7,848398	7,7040127	7,782911667	0,078899	1,05621168	Gm9895
17210807	5,516914	5,241523	5,47895	5,328677	5,365411	5,780025	5,4124623	5,491371	0,07890867	1,056218757	---
17269695	8,239398	8,31743	8,341445	8,345402	8,432555	8,357115	8,2994243	8,378357333	0,078933	1,056236572	Stat5b
17349132	4,411464	4,112792	4,32092	4,559991	4,39855	4,123508	4,2817253	4,360683	0,07895767	1,056254631	Syt4 // Syt4
17302412	3,465768	3,855944	3,518959	3,776144	3,373682	3,927738	3,613557	3,692521333	0,07896433	1,056259512	---
17373144	4,991344	4,803036	4,748425	4,896333	4,883911	4,999483	4,8476017	4,926575667	0,078974	1,056266589	Rapsn
17218758	2,7588	2,803741	2,768736	2,941981	2,905514	2,720736	2,7770923	2,856077	0,07898467	1,056274399	---
17358010	2,989126	3,751465	3,933546	3,752559	3,8037	3,354877	3,5580457	3,637045333	0,07899967	1,056285381	---
17280148	4,731256	4,474318	4,637262	4,574098	4,849932	4,655813	4,6142787	4,693281	0,07900233	1,056287334	Atp6v1c2
17327137	7,885408	7,9151	7,917912	7,961178	8,009773	7,984563	7,90614	7,985171333	0,07903133	1,056308567	Itsn1
17314541	5,941519	5,486042	5,743986	5,854567	5,915822	5,638287	5,723849	5,802892	0,079043	1,056317109	Fam113b
17514789	4,859424	5,052294	4,680051	5,103729	4,825212	4,899961	4,863923	4,942967333	0,07904433	1,056318085	Gpr83
17494729	3,898221	3,685004	3,930738	3,682681	3,565817	4,502599	3,8379877	3,917032333	0,07904467	1,056318329	Gm10081
17333222	6,751847	6,997891	7,053178	7,047394	7,07572	6,91696	6,9343053	7,013358	0,07905267	1,056324187	Agpat4
17343735	7,902113	7,935202	7,98336	8,004402	7,977291	8,076159	7,940225	8,019284	0,079059	1,056328824	H2-Ke6
17550761	3,617699	3,810828	3,726834	3,82696	3,720353	3,845251	3,7184537	3,797521333	0,07906767	1,056335169	---
17250325	8,033599	7,88665	7,918218	7,874821	8,038545	8,162322	7,9461557	8,025229333	0,07907367	1,056339563	Med9
17316770	4,034009	4,162957	4,301928	4,406929	4,142697	4,186536	4,166298	4,245387333	0,07908933	1,056351034	---
17206979	2,984045	2,738196	3,233192	2,813801	2,85296	3,525984	2,9851443	3,064248333	0,079104	1,056361773	---
17482719	8,228416	8,302857	8,284731	8,189653	8,587421	8,276269	8,2720013	8,351114333	0,079113	1,056368363	Ubfd1
17448803	7,851885	9,420358	9,280242	9,725688	8,530166	8,534063	8,8508283	8,929972333	0,079141	1,056391062	---
17549094	5,977957	5,943606	5,94417	6,142838	5,899918	6,060463	5,9552443	6,034406333	0,079162	1,056404242	---
17513287	3,413515	3,413284	3,310171	3,614523	3,35855	3,401401	3,37899	3,458158	0,079168	1,056408636	---
17490170	4,620441	4,899442	4,718321	4,916378	4,897767	4,661627	4,746068	4,825257333	0,07918933	1,056424257	---
17208423	4,684715	5,00047	4,057363	4,448359	4,676512	4,855276	4,5808493	4,660049	0,07919967	1,056431824	---
17387902	3,482334	3,361938	3,413381	3,454212	3,474717	3,566386	3,4192177	3,498438333	0,07922067	1,056447201	Olfr1223
17454283	7,34469	7,500201	7,661758	7,594938	7,590524	7,558891	7,5022163	7,581451	0,07923467	1,056457453	BC037034
17236552	8,823945	8,780149	8,781867	8,776755	8,738504	9,108426	8,7953203	8,874561667	0,07924133	1,056462335	Hal
17538785	10,22844	10,45449	10,29254	10,45963	10,32608	10,42751	10,325157	10,40440667	0,07925	1,056468682	---
17203553	3,785981	3,570106	3,473565	3,582083	3,75685	3,728472	3,609884	3,689135	0,079251	1,056469414	---
17348990	9,105278	8,99552	9,068383	9,118565	9,185884	9,102509	9,0563937	9,135652667	0,079259	1,056475272	Elp2
17214100	6,439503	6,541231	6,403912	6,404295	6,999768	6,218381	6,4615487	6,540814667	0,079266	1,056480398	Rpl37a
17469589	4,415155	4,185856	4,401027	4,676043	4,271711	4,292193	4,3340127	4,413315667	0,079303	1,056507494	0610040F04Rik // 0610040F04Rik
17214650	3,715929	3,538097	3,772913	3,625735	3,490508	4,148614	3,6756463	3,754952333	0,079306	1,056509691	---
17492175	5,968508	5,581263	5,817421	5,995133	5,74858	5,861443	5,789064	5,868385333	0,07932133	1,056520919	Fam174b
17539828	4,14862	4,168478	4,380373	4,217021	4,304026	4,414394	4,2324903	4,311813667	0,07932333	1,056522384	Usp27x
17260066	5,618322	5,667774	5,853519	5,735448	5,832203	5,809954	5,713205	5,792535	0,07933	1,056527266	Nefh
17281272	3,504274	3,390348	3,155998	3,192368	3,544372	3,551969	3,3502067	3,429569667	0,079363	1,056551433	---
17302305	7,934772	8,242312	7,912122	7,956364	8,130355	8,240611	8,0297353	8,10911	0,07937467	1,056559977	Tdrd3
17389861	8,2161	8,141555	8,150969	8,374891	8,064069	8,307834	8,1695413	8,248931333	0,07939	1,056571207	Ino80
17387796	3,511185	3,214502	3,250329	3,437377	3,61993	3,156889	3,3253387	3,404732	0,07939333	1,056573648	Olfr73
17245374	5,045689	4,628492	4,83114	4,807387	5,015109	4,921009	4,835107	4,914501667	0,07939467	1,056574625	---

17533446	4,167297	4,119695	4,418293	4,20177	4,463203	4,278568	4,235095	4,314513667	0,07941867	1,056592201	Gpr34
17202897	4,817187	5,094839	4,82716	4,994848	5,210383	4,77223	4,913062	4,992487	0,079425	1,05659684	---
17226125	5,503236	5,496312	5,144176	5,429829	5,538876	5,413311	5,3812413	5,460672	0,07943067	1,05660099	---
17275602	6,043179	5,676857	5,866107	5,948113	5,956375	5,919963	5,8620477	5,941483667	0,079436	1,056604896	---
17439895	4,655566	4,339932	4,392507	4,702991	4,343073	4,580251	4,4626683	4,542105	0,07943667	1,056605384	---
17395041	6,964121	6,544847	6,706923	6,632896	6,897379	6,923935	6,7386303	6,81807	0,07943967	1,056607581	Bmp7
17514691	8,695973	8,831291	8,761267	8,71364	8,974349	8,838942	8,7628437	8,842310333	0,07946667	1,056627356	Mtmr2
17470796	9,328189	9,339878	9,329227	9,425161	9,446318	9,364231	9,3324313	9,411903333	0,079472	1,056631262	Ptpn6
17392690	9,844234	9,63414	9,37934	9,600673	9,559493	9,936012	9,619238	9,698726	0,079488	1,056642981	Acss1
17258851	9,135077	8,965011	9,017534	8,991964	9,048281	9,315841	9,0392073	9,118695333	0,079488	1,056642981	Afmid
17438325	10,27688	10,35053	10,16216	10,31626	10,4579	10,25396	10,26319	10,34270667	0,07951667	1,056663976	---
17550560	10,37643	10,56034	10,12151	10,12671	10,4617	10,70843	10,35276	10,43228	0,07952	1,056666418	---
17395354	7,803891	8,024075	8,045769	8,106022	7,807026	8,19932	7,9579117	8,037456	0,07954433	1,05668424	Gm14405 // Gm14405 // Gm14405 // Gı
17514326	10,81918	10,70942	10,05474	11,06098	10,57578	10,18526	10,52778	10,60734	0,07956	1,056695715	---
17298203	6,643878	6,658469	6,744839	6,722615	6,776898	6,786358	6,6823953	6,761957	0,07956167	1,056696936	Rft1
17262676	4,425567	4,430717	4,504172	4,429958	4,669257	4,499943	4,4534853	4,533052667	0,07956733	1,056701087	---
17409154	7,988599	7,774563	7,909648	7,831606	8,015018	8,064898	7,8909367	7,970507333	0,07957067	1,056703528	Gstm1
17391424	7,541911	8,475146	8,335488	8,443725	8,084039	8,063513	8,117515	8,197092333	0,07957733	1,056708411	---
17290894	6,129553	6,462178	5,972948	6,156955	6,461879	6,18458	6,1882263	6,267804667	0,07957833	1,056709144	Gpr141
17249110	8,352111	8,420271	8,398282	8,481463	8,546919	8,381024	8,3902213	8,469802	0,07958067	1,056710853	Tbc1d9b
17200435	6,321608	6,772371	6,289851	6,843509	6,172237	6,606831	6,4612767	6,540859	0,07958233	1,056712073	---
17466311	6,423839	6,392105	6,357553	6,626186	6,216432	6,569649	6,3911657	6,470755667	0,07959	1,056717689	Gm10334
17204763	6,238958	6,514174	6,713315	6,308844	6,950629	6,445765	6,4888157	6,568412667	0,079597	1,056722816	---
17203377	5,009124	5,393529	5,622669	5,289304	5,588799	5,386046	5,341774	5,421383	0,079609	1,056731606	---
17428050	6,7428	6,533713	6,633329	6,508934	6,977837	6,661929	6,636614	6,716233333	0,07961933	1,056739175	Fam159a
17241510	5,460003	5,502501	5,684273	5,578218	5,630345	5,677108	5,5489257	5,628557	0,07963133	1,056747964	---
17534696	3,507201	3,513769	3,68988	3,494044	3,839842	3,615883	3,5702833	3,649923	0,07963967	1,056754068	A630012P03Rik
17218568	4,175805	3,984942	4,323753	4,129847	4,145869	4,447717	4,1615	4,241144333	0,07964433	1,056757487	Tnr
17215345	8,540949	8,485353	8,70178	8,595162	8,785091	8,586779	8,5760273	8,655677333	0,07965	1,056761637	Atg16l1
17380762	2,991775	3,165368	3,00504	3,225061	3,062454	3,113631	3,054061	3,133715333	0,07965433	1,056764812	Mir1a-1
17327084	8,7364	8,749511	8,72233	8,797964	8,932674	8,716615	8,7360803	8,815751	0,07967067	1,056776776	Ifngr2
17546175	5,132517	4,795166	4,937294	5,465725	4,842085	4,796205	4,9549923	5,034671667	0,07967933	1,056783124	---
17315007	6,737084	6,266443	6,428618	6,464571	6,918512	6,288114	6,4773817	6,557065667	0,079684	1,056786542	Mettl7a3
17204931	4,166245	4,438507	4,259281	4,425428	4,193745	4,483914	4,288011	4,367695667	0,07968467	1,056787031	---
17346094	7,800043	8,156674	7,914486	7,963475	8,077728	8,069061	7,9570677	8,036754667	0,079687	1,05678874	Sh3gl1
17405673	11,92956	11,9113	11,77134	11,93778	12,02567	11,88782	11,870733	11,95042333	0,07969	1,056790938	---
17352977	5,862814	5,568408	6,0884	5,937178	5,997313	5,82424	5,839874	5,919577	0,079703	1,05680046	Dsg2
17309372	3,24447	3,450845	3,112204	3,841701	3,310753	2,894194	3,269173	3,348882667	0,07970967	1,056805344	---
17464588	8,619119	8,597401	8,502393	8,606281	8,659237	8,69253	8,572971	8,652682667	0,07971167	1,056806809	Sgce
17430654	5,899187	5,701627	5,883666	5,976484	6,029081	5,718081	5,82816	5,907882	0,079722	1,056814378	---
17550246	8,756547	8,8299	8,548841	8,967769	8,988273	8,418418	8,7117627	8,791486667	0,079724	1,056815843	---
17355892	4,546786	4,415029	4,646878	4,729718	4,625523	4,492624	4,536231	4,615955	0,079724	1,056815843	Dok6
17269498	6,995936	7,104774	6,984375	7,100773	7,182827	7,040658	7,0283617	7,108086	0,07972433	1,056816087	Nt5c3l
17426434	5,235179	5,269914	5,375925	5,511659	5,249071	5,359489	5,2936727	5,373406333	0,07973367	1,056822924	Dbc1
17449540	8,68891	8,069791	8,449926	8,380195	8,679557	8,388111	8,4028757	8,482621	0,07974533	1,056831471	---
17239919	6,265135	6,648159	6,30109	6,509835	6,53131	6,412504	6,4047947	6,484549667	0,079755	1,056838552	Lama2
17421068	6,650139	6,5408	6,785997	6,699148	6,680007	6,837054	6,6589787	6,738736333	0,07975767	1,056840505	Clcnkb
17481250	4,919624	4,565112	5,057016	4,920328	4,986344	4,874371	4,8472507	4,927014333	0,07976367	1,056844901	Olfr633
17261944	7,63519	8,013406	7,485819	7,716214	7,834077	7,823455	7,7114717	7,791248667	0,079777	1,056854668	Pttg1
17396395	6,145313	5,864997	6,294105	6,293408	6,202157	6,048194	6,1014717	6,181253	0,07978133	1,056857842	Ghsr
17374318	4,606946	4,74224	4,886209	4,548668	4,956365	4,969712	4,7451317	4,824915	0,07978333	1,056859308	Tmco5b
17231159	4,799344	4,678861	4,92986	4,900433	4,841259	4,905729	4,8026883	4,882473667	0,07978533	1,056860773	---
17502626	6,24016	6,156085	5,686509	5,944533	6,126467	6,251177	6,0275847	6,107392333	0,07980767	1,056877133	Nr3c2
17383905	6,629029	7,12841	6,715092	6,730705	7,029497	6,951875	6,824177	6,904025667	0,07984867	1,056907169	Slc25a25
17371212	3,472432	3,477337	3,2546	3,467825	3,495539	3,480564	3,4014563	3,481309333	0,079853	1,056910344	---
17509780	5,240737	5,372128	5,225511	5,253389	5,565417	5,25913	5,2794587	5,359312	0,07985333	1,056910588	Slc18a1
17432722	5,227826	5,459907	5,280294	5,490891	5,40645	5,310257	5,3226757	5,402532667	0,079857	1,056913274	---
17509052	11,07983	11,06405	11,05473	11,11154	11,178	11,1487	11,066203	11,14608	0,07987667	1,056927682	Klkb1
17548283	12,05446	11,99767	11,81713	11,97012	12,01605	12,12277	11,95642	12,03631333	0,07989333	1,056939892	H3f3b // H3f3b
17238038	4,994832	4,791214	5,278626	5,275707	5,085329	4,943351	5,0215573	5,101462333	0,079905	1,056948439	Stac3
17548420	5,153633	5,053787	5,000202	5,275353	4,97652	5,195497	5,0692073	5,149123333	0,079916	1,056956498	4932422M17Rik
17486805	10,52493	10,35444	10,71357	10,68584	10,54151	10,60538	10,53098	10,61091	0,07993	1,056966755	Snord23
17373981	4,047418	4,141572	4,185444	4,25916	4,108252	4,247004	4,1248113	4,204805333	0,079994	1,057013645	---
17549110	3,830562	3,651848	3,774015	3,951056	3,794747	3,750613	3,7521417	3,832138667	0,079997	1,057015843	---
17541838	4,023275	3,723969	3,810292	4,042482	3,780505	3,974634	3,852512	3,932540333	0,08002833	1,0570388	Gm648
17346936	6,948757	7,096695	6,799796	7,081317	6,977612	7,026408	6,948416	7,028445667	0,08002967	1,057039777	Tgif1
17473171	10,94256	10,96241	10,96121	11,025	11,04249	11,03878	10,955393	11,03542333	0,08003	1,057040021	Ndufa3
17380951	4,157548	4,207917	4,293363	4,540432	4,261557	4,09697	4,2196093	4,299653	0,08004367	1,057050034	---
17206301	6,680274	6,73273	7,04992	7,528851	6,842	6,332243	6,8209747	6,901031333	0,08005667	1,057059559	---
17397540	4,243642	4,088296	3,774978	4,154486	4,170936	4,021676	4,0356387	4,115699333	0,08006067	1,05706249	Stoml3
17269583	5,998444	5,848467	6,011005	6,017751	6,171957	5,90847	5,9526387	6,032726	0,08008733	1,057082029	Zfp385c
17265798	5,177375	5,090825	4,881547	5,087995	5,101146	5,20088	5,0499157	5,130007	0,08009133	1,05708496	Olfr394
17496599	7,520526	7,667507	7,519903	7,432452	7,879867	7,635972	7,569312	7,649430333	0,08011833	1,057104743	Spn
17548646	9,267016	9,512743	9,425875	9,492664	9,465659	9,487709	9,401878	9,482010667	0,08013267	1,057115246	Arl5a // Arl5a
17428501	5,130586	5,059866	5,315914	5,27431	5,322453	5,150054	5,1687887	5,248939	0,08015033	1,057128191	Dmbx1
17299569	3,623346	3,459963	3,671268	3,71504	3,630274	3,649731	3,584859	3,665015	0,080156	1,057132343	Rnase10
17343675	5,594419	5,610569	5,748048	5,673447	5,897444	5,622634	5,651012	5,731175	0,080163	1,057137472	Tapbp // Tapbp
17251746	8,218738	8,198035	8,314203	8,257688	8,4078	8,305986	8,2436587	8,323824667	0,080166	1,057139671	1810027O10Rik
17461968	7,557831	7,412401	7,500323	7,497676	7,680017	7,533394	7,490185	7,570362333	0,08017733	1,057147975	Mkrn2
17253108	10,92772	10,75873	10,90086	10,89346	10,92977	11,00467	10,862437	10,94263333	0,08019667	1,057162142	Ywhae
17373028	7,663061	7,650255	7,659421	7,904212	7,69063	7,618508	7,657579	7,737783333	0,08020433	1,05716776	Fnbp4
17493718	7,702723	7,692477	7,749505	7,855967	7,75494	7,774415	7,7149017	7,795107333	0,08020567	1,057168737	Neu3
17379503	8,932182	9,003613	8,822556	8,903088	9,126257	8,969631	8,9194503	8,999658667	0,08020833	1,057170691	Dnttip1
17213213	10,33722	10,49162	10,03286	10,40751	10,2194	10,47542	10,287233	10,36744333	0,08021	1,057171912	Casp8
17264421	4,473274	4,584653	4,523731	4,607049	4,607418	4,607828	4,5272193	4,607431667	0,08021233	1,057173622	---
17232112	5,946199	5,800735	5,894766	6,24349	5,860638	5,778215	5,8805667	5,960781	0,08021433	1,057175088	H60a // H60a
17299477	4,944026	5,33766	5,158092	5,325219	5,272487	5,082771	5,1465927	5,226825667	0,080233	1,057188766	Tlr11
17486659	3,497872	3,274979	3,36583	3,533606	3,39225	3,453525	3,3795603	3,459793667	0,08023333	1,057189011	Bsph2
17284670	5,89343	5,84168	5,936684	6,035357	5,919847	5,957319	5,890598	5,970841	0,080243	1,057196094	Wdr60
17480485	7,192794	7,132287	7,162062	7,222392	7,238091	7,267406	7,162381	7,242629667	0,08024867	1,057200247	Lrrc32
17248064	8,246405	8,278097	8,324574	8,52328	8,300668	8,265877	8,2830253	8,363275	0,08024967	1,057200979	Mtif2
17531315	4,975506	4,443855	4,738716	5,643744	4,11382	4,641337	4,719359	4,799633667	0,08027467	1,057219299	Fbxw20
17389195	3,875274	3,561383	3,670105	3,77201	3,840343	3,735258	3,702254	3,782537	0,080283	1,057225406	Gm13941
17338200	5,604038	5,650376	5,663879	5,683144	5,744016	5,731987	5,639431	5,719715667	0,08028467	1,057226628	Tbcc
17307598	5,158704	5,323538	5,392781	5,357235	5,483036	5,27564	5,2916743	5,371970333	0,080296	1,057234933	Neil2
17250266	8,872313	8,81064	8,883553	8,994545	8,919209	8,893673	8,855502	8,935809	0,080307	1,057242994	Mprip
17343527	6,104959	6,16103	5,884581	6,005755	6,258574	6,127195	6,05019	6,130508	0,080318	1,057251055	Zfp763
17512121	4,123153	4,198421	4,314487	4,284716	4,521135	4,071196	4,2120203	4,292349	0,08032867	1,057258872	Cdh8
17203969	5,450135	6,200338	5,86597	5,795532	5,891988	6,069974	5,8388143	5,919164667	0,08035033	1,05727475	---
17517073	5,061888	4,953498	5,312695	5,227621	5,255599	5,085949	5,1093603	5,189723	0,08036267	1,057283789	Drd2
17212813	3,912306	3,597663	3,947758	3,835155	3,956524	3,907149	3,8192423	3,899609333	0,080367	1,057286964	Mstn
17491426	3,464916	3,584112	3,549232	3,514546	3,564476	3,760379	3,5327533	3,613133667	0,08038033	1,057296736	1700015G11Rik
17293234	4,919432	4,969199	4,733437	4,870111	4,926358	5,066744	4,8740227	4,954404333	0,08038167	1,057297713	A230056J06Rik
17214910	6,618717	6,439631	5,913616	6,032233	6,839484	6,341409	6,323988	6,404375333	0,08038733	1,057301866	Gm2427
17299323	9,658899	9,678712	9,502083	9,761715	9,64703	9,672211	9,6132313	9,693652	0,08042067	1,057326295	Mapk1ip1l
17284360	10,08598	9,745049	9,697071	10,04178	9,868526	9,859179	9,8427	9,923161667	0,08046167	1,057356344	Ighm // Ighm // Ighm
17476632	5,62074	5,640513	5,676628	5,711719	5,547436	5,920127	5,6459603	5,726427333	0,080467	1,057360252	Gm5326
17548100	3,370043	2,982926	3,164921	3,254433	3,220544	3,284357	3,17263	3,253111333	0,08048133	1,057370757	Naa40 // Naa40
17267066	10,15441	10,11201	10,24327	10,24663	10,14771	10,35685	10,169897	10,25039667	0,0805	1,057384439	Dhrs11
17221117	8,308122	8,155834	8,331799	8,362676	8,281622	8,392982	8,2652517	8,34576	0,08050833	1,057390546	---
17350982	6,857755	6,928279	6,624123	7,039705	6,558534	7,053492	6,8033857	6,883910333	0,08052467	1,057402518	Cd74
17201437	6,967957	6,897537	6,699219	6,726352	7,530522	6,549424	6,8549043	6,935432667	0,08052833	1,057405205	---
17445089	6,377958	6,564095	6,439547	6,684796	6,502612	6,435839	6,4605333	6,541082333	0,080549	1,057420352	Fry
17207515	7,309041	7,218712	7,591413	7,351167	7,66079	7,348939	7,3730553	7,453632	0,08057667	1,057440631	---
17491340	3,78269	3,67143	3,565592	3,708754	3,679057	3,873641	3,6732373	3,753817333	0,08058	1,057443074	Mrgpra4
17242924	7,666674	7,768623	7,719863	7,776031	7,875156	7,74574	7,7183867	7,798975667	0,080589	1,057449671	Uqcr11
17320103	5,408016	5,622577	5,685789	5,820117	5,553837	5,584294	5,5721273	5,652749333	0,080622	1,057473859	Celsr1
17412813	8,413335	8,213827	8,280384	8,51682	8,400713	8,231888	8,3025153	8,383140333	0,080625	1,057476058	Nfx1
17293163	6,228224	6,096909	6,42025	6,521265	6,245184	6,22082	6,248461	6,329089667	0,08062867	1,057478746	Mir7-1
17390833	4,276501	4,097787	4,386735	4,259508	4,346712	4,396721	4,2536743	4,334313667	0,08063933	1,057486564	---
17510685	8,679656	8,730366	8,245844	8,598754	8,650774	8,64839	8,5519553	8,632639333	0,080684	1,057519305	Ednra
17492644	6,711142	6,608463	6,68454	6,721469	6,722379	6,80235	6,6680483	6,748732667	0,08068433	1,057519549	Crtc3
17431612	7,749977	8,094535	7,853975	7,865046	8,096438	7,979101	7,8994957	7,980195	0,08069933	1,057530545	C1qc
17529185	5,375088	5,341415	5,147322	5,241693	5,696115	5,168118	5,2879417	5,368642	0,08070033	1,057531278	Filip1
17514977	3,202869	3,152968	3,284084	3,259794	3,4099	3,212336	3,213307	3,29401	0,080703	1,057533232	Olfr39
17292527	6,575439	6,663027	6,613732	6,755432	6,663751	6,675182	6,6173993	6,698121667	0,08072233	1,057547404	Mir683-1
17292529	6,575439	6,663027	6,613732	6,755432	6,663751	6,675182	6,6173993	6,698121667	0,08072233	1,057547404	Mir683-1
17255251	4,495007	4,261898	4,696267	4,629169	4,537863	4,52831	4,4843907	4,565114	0,08072333	1,057548137	---
17549890	7,706159	7,971901	7,825366	7,933868	7,929261	7,882493	7,8344753	7,915207333	0,080732	1,05755449	---
17411937	2,890807	3,087258	3,416294	3,170715	3,23085	3,235018	3,131453	3,212194333	0,08074133	1,057561332	---
17492523	6,796933	6,799674	6,861478	6,920442	6,867154	6,912749	6,8193617	6,900115	0,08075333	1,057570129	Unc45a
17348003	4,197762	4,520161	4,152424	4,50566	4,391101	4,215874	4,2901157	4,370878333	0,08076267	1,057576971	Fshr
17421380	4,695815	4,487515	4,630895	4,81726	4,653516	4,585738	4,6047417	4,685504667	0,080763	1,057577215	---
17275867	3,050013	3,028317	2,983726	3,072109	3,277437	2,954844	3,0206853	3,101463333	0,080778	1,057588211	---

17482072	4,208469	4,40405	4,046991	4,166553	4,38225	4,353059	4,2198367	4,300620667	0,080784	1,057592609	A730082K24Rik
17266344	5,509374	5,676715	5,580295	5,717223	5,617795	5,673737	5,5887947	5,669585	0,08079033	1,057597252	Nek8
17312825	6,803628	6,581298	6,771147	6,634522	6,830961	6,932964	6,718691	6,799482333	0,08079133	1,057597985	Pdxp
17458626	4,961038	5,089694	5,190401	5,013545	5,362465	5,107539	5,0803777	5,161183	0,08080533	1,057608248	---
17416415	5,143059	5,051832	5,112503	5,288906	5,226429	5,034501	5,1024647	5,183278667	0,080814	1,057614601	Cdcp2
17201021	7,200113	7,516978	7,307154	7,228181	7,373307	7,66522	7,341415	7,422236	0,080821	1,057619733	---
17433405	7,22088	7,204681	7,360427	7,069409	7,540079	7,418964	7,261996	7,342817333	0,08082133	1,057619977	Phf13
17259331	7,453126	7,397399	7,414566	7,464252	7,489808	7,553535	7,421697	7,502531667	0,08083467	1,057629752	Ccdc137
17438459	4,860946	4,604516	4,519102	4,697676	5,048359	4,481164	4,6615213	4,742399667	0,08087833	1,057661764	Arl9
17377253	6,788766	6,773664	6,911515	6,938237	6,890399	6,887995	6,8246483	6,905543667	0,08089533	1,057674227	Insm1
17353538	3,950329	4,075574	4,173336	4,152124	3,975556	4,31428	4,066413	4,14732	0,080907	1,057682778	---
17498870	4,419854	4,443932	4,229005	4,821025	4,470035	4,044458	4,3642637	4,445172667	0,080909	1,057684247	LOC100862276
17339073	4,318451	4,020959	4,570385	4,787848	4,177225	4,187473	4,303265	4,384182	0,080917	1,057690112	---
17512465	9,681513	9,86689	9,999716	9,987951	9,872491	9,930446	9,849373	9,930296	0,080923	1,05769451	---
17398360	12,93476	12,9626	12,91225	12,91798	13,03991	13,09458	12,936537	13,01749	0,08095333	1,057716749	---
17307093	7,323465	7,363727	7,221875	7,445395	7,314499	7,392034	7,3030223	7,383976	0,08095367	1,057716994	C030013D06Rik
17510166	7,109463	7,133433	7,364097	7,408833	7,047628	7,393455	7,202331	7,283305333	0,08097433	1,057732146	Mast3
17513297	6,3862	6,095213	6,288783	6,424044	6,23114	6,357947	6,256732	6,337710333	0,08097833	1,057735078	Cdyl2
17405075	6,814833	6,752834	6,434755	6,788625	6,556062	6,900702	6,667474	6,748463	0,080989	1,057742899	Pcdh18
17438903	13,84406	13,78118	13,80319	13,8794	13,91792	13,87408	13,809477	13,89046667	0,08099	1,057743632	Afp
17243147	6,433784	6,443835	6,555369	6,35402	6,748678	6,573323	6,4776627	6,558673667	0,081011	1,057759029	Gng7
17494263	4,180982	4,063953	4,177014	4,271547	4,210538	4,182918	4,1406497	4,221667667	0,081018	1,057764161	Olfr639
17399914	6,43384	6,465232	6,404418	6,740387	6,24051	6,56566	6,4344967	6,515519	0,08102233	1,057767338	Gm9782
17290357	3,31963	3,184449	3,52359	3,498411	3,458506	3,31382	3,3425563	3,423579	0,08102267	1,057767582	---
17437481	6,824772	6,960372	6,996729	6,933133	7,083501	7,00832	6,927291	7,008318	0,081027	1,05777076	1810013D10Rik
17506325	3,235775	3,316275	3,561641	3,521483	3,319819	3,515554	3,3712303	3,452285333	0,081055	1,057791289	---
17489071	5,018939	4,946429	5,103278	5,036734	5,04402	5,231151	5,022882	5,103968333	0,08108633	1,057814263	Kirrel2
17219698	10,54544	10,58982	10,52717	10,4976	10,67041	10,73769	10,554143	10,63523333	0,08109	1,057816952	Spna1
17464836	11,42244	11,31067	11,29905	11,28325	11,58525	11,40694	11,344053	11,42514667	0,08109333	1,057819396	Ndufa4
17467199	3,229893	3,567609	3,242727	3,268338	3,432647	3,582526	3,346743	3,427837	0,081094	1,057819885	Vmn1r30
17290949	9,786432	9,578792	9,646702	9,777863	9,744251	9,733114	9,670642	9,751742667	0,08110067	1,057824773	Zfp187
17297105	4,770426	4,729595	4,606404	4,88969	4,753002	4,707077	4,7021417	4,783256333	0,08111467	1,057835038	4930455B14Rik
17324684	8,719463	8,703403	8,696464	8,477846	9,18493	8,699937	8,7064433	8,787571	0,08112767	1,05784457	---
17202625	4,127507	2,759477	3,535981	3,626585	4,139869	2,899905	3,4743217	3,555453	0,08113133	1,057847259	---
17238758	4,85587	4,584905	4,628717	4,725101	4,895633	4,692169	4,6898307	4,770967667	0,081137	1,057851414	---
17233072	5,467743	5,309999	5,66981	5,780813	5,594489	5,315707	5,4825173	5,563669667	0,08115233	1,057862657	Mir1929
17233073	5,467743	5,309999	5,66981	5,780813	5,594489	5,315707	5,4825173	5,563669667	0,08115233	1,057862657	---
17410381	7,650011	7,635573	7,870066	7,840546	7,859152	7,699434	7,71855	7,799710667	0,08116067	1,057868767	Rpl34
17454590	6,053693	5,848972	5,771117	5,900121	6,083978	5,933246	5,8912607	5,972448333	0,08118767	1,057888565	Iqce
17543451	6,80227	6,84196	6,80575	7,000951	6,776838	6,915765	6,81666	6,897851333	0,08119133	1,057891254	Pja1
17326188	4,680533	4,970135	4,660105	4,891118	4,715704	4,947575	4,7702577	4,851465667	0,081208	1,057903475	G730013B05Rik
17233039	6,895941	6,813582	6,691539	6,803791	6,924919	6,915985	6,800354	6,881565	0,081211	1,057905675	Rtn4ip1
17547923	5,410584	5,67693	5,381926	5,374513	5,769219	5,569396	5,4898133	5,571042667	0,08122933	1,057919119	Gm8702
17550212	2,993697	2,929665	2,811004	3,034405	2,972151	2,9715	2,9114553	2,992685333	0,08123	1,057919608	---
17212686	3,693761	3,668927	3,650564	3,736069	3,913178	3,607704	3,671084	3,752317	0,081233	1,057921808	---
17373601	5,714877	5,814619	5,93421	5,834158	5,679661	6,193632	5,8212353	5,902483667	0,08124833	1,057933052	2810002D19Rik
17359825	5,450522	5,498746	5,560261	5,459586	5,677307	5,616383	5,5031763	5,584425333	0,081249	1,05793354	Tlx1
17311706	9,573665	9,609063	9,52066	9,627647	9,67429	9,645224	9,567796	9,649053667	0,08125767	1,057939896	D15Ertd621e
17301926	5,601822	6,226365	6,054836	6,002155	6,213488	5,911177	5,9610077	6,042273333	0,08126567	1,057945762	Htr2a
17207243	6,025147	5,596315	6,25684	5,778065	5,731178	6,612872	5,959434	6,040705	0,081271	1,057949673	---
17478954	3,276978	3,348401	3,309187	3,222597	3,348401	3,607391	3,311522	3,392796333	0,08127433	1,057952118	---
17315352	7,142329	7,362491	7,404009	7,395199	7,339806	7,417712	7,302943	7,384239	0,081296	1,057968006	Espl1
17449526	9,642982	9,688292	9,675571	9,722454	9,80031	9,727973	9,6689483	9,750245667	0,08129733	1,057968984	Ankrd17
17344939	3,765798	3,687794	3,404037	3,629488	3,677564	3,794471	3,6192097	3,700507667	0,081298	1,057969473	Pgk2
17495821	10,1951	10,21932	10,24635	10,03966	10,53205	10,33299	10,220257	10,30156667	0,08131	1,057978273	Cdr2
17313976	5,606863	5,367338	5,781767	5,761322	5,719718	5,518872	5,5853227	5,666637333	0,08131467	1,057981695	Fam19a5
17224397	5,079132	5,290384	5,441257	5,587607	5,182363	5,284841	5,2702577	5,351603667	0,081346	1,058004673	Ccdc108
17395373	6,764937	6,678411	6,658884	7,048236	6,66978	6,628307	6,700744	6,782107667	0,08136367	1,058017629	LOC627891
17277152	7,545752	6,434377	6,494279	7,079412	6,459777	7,179357	6,8248027	6,906182	0,08137933	1,058029119	Acot3
17270114	7,486675	6,153702	5,467115	7,382452	5,839297	6,129892	6,369164	6,450547	0,081383	1,058031808	---
17396009	6,679935	6,55932	6,652056	6,742093	6,669329	6,724093	6,630437	6,711838333	0,08140133	1,058045253	Fam164a
17221317	8,758156	8,748741	8,781215	8,841334	8,908838	8,782167	8,762704	8,844113	0,081409	1,058050876	Ncoa2
17306071	7,891034	8,045424	7,936818	7,994085	8,107941	8,01567	7,9577587	8,039232	0,08147333	1,058098058	Tmem55b
17528714	8,657026	8,669724	8,627944	8,708813	8,673183	8,817132	8,6515647	8,733042667	0,081478	1,05810148	Tcf12
17405703	5,109296	4,859114	4,649532	4,908772	5,019258	4,93437	4,8726473	4,954133333	0,081486	1,058107348	Veph1
17249801	10,61145	10,60099	10,61553	10,75542	10,63707	10,67995	10,609323	10,69081333	0,08149	1,058110281	Gm2a
17347645	5,156696	5,320064	5,323845	5,304985	5,500537	5,239614	5,2668683	5,348378667	0,08151033	1,058125195	Kcng3
17456604	5,184775	5,205112	5,182423	5,367457	5,195197	5,25423	5,19077	5,272294667	0,08152467	1,058135707	Ccdc136
17225037	3,860649	3,839879	4,023411	3,893989	4,320241	3,754324	3,9079797	3,989518	0,08153833	1,058145731	Slc16a14
17246818	4,024737	3,924182	3,889728	4,117728	4,016007	3,949542	3,9462157	4,027759	0,08154333	1,058149398	---
17485297	12,46037	12,44689	12,40883	12,55191	12,47659	12,53222	12,438697	12,52024	0,08154333	1,058149398	Cd81
17523038	5,178426	5,098696	5,165047	5,163792	5,068843	5,454206	5,1473897	5,228947	0,08155733	1,058159667	---
17454521	8,076042	7,963322	8,10201	8,154318	8,168992	8,062808	8,0471247	8,128706	0,08158133	1,05817727	Mad1l1
17277352	10,14795	10,03259	9,938579	10,03506	10,10929	10,21954	10,039706	10,12129667	0,08159033	1,058183871	Dlst
17337576	4,233187	3,792302	3,421496	4,364848	3,897554	3,429361	3,8156617	3,897254333	0,08159267	1,058185583	Olfr110
17465942	4,269276	4,451026	4,130244	4,481198	4,286869	4,327276	4,2835153	4,365114333	0,081599	1,058190228	Atp6v0a4
17353792	4,597129	4,193392	4,455606	4,702465	4,526003	4,262468	4,4153757	4,496978667	0,081603	1,058193162	Slc25a2
17470445	9,988388	10,2198	10,03024	10,14654	10,16566	10,17105	10,079476	10,16108333	0,08160733	1,05819634	Atp6v1e1
17427119	6,419353	6,478787	6,44968	6,465244	6,503064	6,624364	6,4492733	6,530890667	0,08161733	1,058203675	Gm13288 // Gm13288
17238088	6,729886	6,458803	6,569128	6,793402	6,722473	6,486804	6,585939	6,667559667	0,08162067	1,05820612	Nab2
17429521	6,751498	6,937635	6,907713	6,81504	7,029874	6,996825	6,8656153	6,947246333	0,081631	1,0582137	Zfp69
17225475	5,527976	5,200759	5,605196	5,494245	5,66097	5,423645	5,4446437	5,526286667	0,081643	1,058222502	---
17481186	3,51254	3,507948	3,522718	3,641723	3,502755	3,643666	3,514402	3,596048	0,081646	1,058224702	---
17252058	6,094625	5,606794	5,981467	6,065027	5,886567	5,976258	5,8942953	5,975950667	0,08165533	1,058231548	Tm4sf5
17400549	8,159456	7,821754	7,698884	7,72081	7,958046	8,246227	7,8933647	7,975027667	0,081663	1,058237172	---
17281404	4,20916	4,198542	4,03208	4,252755	4,208245	4,2238	4,146594	4,228266667	0,08167267	1,058244262	Gm20063
17248967	4,197777	4,026849	4,201792	4,108838	4,136303	4,426307	4,1421393	4,223816	0,08167667	1,058247196	Olfr1389
17416100	4,40996	4,368579	4,359999	4,462049	4,546247	4,375275	4,3795127	4,461190333	0,08167767	1,05824793	Tctex1d1
17221249	4,210738	2,674052	3,926276	3,955553	4,426515	2,674052	3,6036887	3,685373333	0,08168467	1,058253065	---
17483048	6,330255	6,255858	6,316843	6,287312	6,508142	6,352566	6,3009853	6,382673333	0,081688	1,05825551	Apobr
17402386	6,118467	6,230437	5,923682	6,134241	6,264135	6,119276	6,090862	6,172550667	0,08168867	1,058255999	Prss12
17230713	2,834716	2,844787	2,844808	2,960204	2,958155	2,851019	2,841437	2,923126	0,081689	1,058256243	---
17279070	6,543883	6,581575	6,638983	6,706581	6,722177	6,580811	6,588147	6,669856333	0,08170933	1,058271158	Traf3
17330461	3,735918	3,964907	4,479126	4,075502	4,270132	4,079455	4,0599837	4,141696333	0,08171267	1,058273604	4932412D23Rik
17473111	3,462824	3,416343	3,613107	3,576596	3,444011	3,716891	3,4974247	3,579166	0,08174133	1,058294632	Mir290
17490589	11,71005	11,5625	11,57217	11,5545	11,73047	11,80503	11,614907	11,69666667	0,08176	1,058308325	Fcgrt
17291180	4,311604	4,228788	3,990541	4,196941	4,13809	4,441186	4,1769777	4,258739	0,08176133	1,058309303	LOC100862646 // Hist1h4m // Hist1h4b
17357213	4,632111	4,952567	4,59947	4,555182	4,989193	4,885063	4,7280493	4,809812667	0,08176333	1,05831077	Zbtb3
17499436	6,514153	6,552364	6,617591	6,546033	6,833166	6,550217	6,5613693	6,643138667	0,08176933	1,058315172	Cln8
17486283	6,188018	5,616827	5,365454	5,794698	5,990862	5,630055	5,723433	5,805205	0,081772	1,058317128	Vmn2r43
17202537	7,463852	7,322895	7,384637	7,741956	7,045539	7,629212	7,3904613	7,472235667	0,08177433	1,058318839	---
17463585	2,601993	2,669403	2,740706	2,669996	2,815713	2,77172	2,6707007	2,752476333	0,08177567	1,058319818	---
17550210	2,601993	2,669403	2,740706	2,669996	2,815713	2,77172	2,6707007	2,752476333	0,08177567	1,058319818	---
17506067	10,14443	10,06739	9,955126	10,14177	10,18108	10,08949	10,055649	10,13744667	0,081798	1,058336201	Hsbp1
17505215	7,545631	7,532811	7,464219	7,731141	7,701269	7,355647	7,5142203	7,596019	0,08179867	1,05833669	Sntb2
17271823	6,48608	6,637643	6,657532	6,764179	6,76468	6,497853	6,5937517	6,675570667	0,081819	1,058351606	Fdxr
17413057	5,112754	5,106109	5,350541	5,303565	5,552192	4,95922	5,1898013	5,271659	0,08185767	1,058379972	---
17413154	5,112754	5,106109	5,350541	5,303565	5,552192	4,95922	5,1898013	5,271659	0,08185767	1,058379972	---
17508396	7,001988	7,310118	6,910681	7,064331	7,195482	7,208662	7,074283	7,156158333	0,08187533	1,058392933	Ddhd2
17345740	6,8925	6,889552	6,913182	7,072475	6,906507	6,961949	6,8984113	6,980310333	0,081899	1,058410295	Foxp4
17332395	7,619313	7,624402	7,598558	7,635658	7,71396	7,738381	7,6140991	7,695999667	0,08190867	1,058417387	Brwd1
17300215	4,111936	4,191172	4,163808	4,395577	4,126167	4,19092	4,1556387	4,237554667	0,081916	1,058422767	---
17342335	5,678776	5,602026	5,816915	5,555885	5,960292	5,827295	5,699239	5,781157333	0,08191833	1,058424479	Rpusd1 // Rpusd1
17397111	4,576818	4,574007	4,416823	4,642079	4,643094	4,528266	4,5225493	4,604479667	0,08193033	1,058433283	---
17518483	5,628189	5,192484	5,866302	5,606647	5,630129	5,695996	5,562325	5,644257333	0,08193233	1,05843475	Igdcc3
17482021	9,538561	9,519419	9,440165	9,720724	9,340941	9,682287	9,4993817	9,581317333	0,08193567	1,058437195	Pde3b
17281786	2,888647	2,812716	2,947172	2,9517	2,967612	2,97506	2,882845	2,964790667	0,08194567	1,058444532	1700083H02Rik
17348156	7,966199	7,899186	7,948567	7,964243	8,110357	7,985195	7,937984	8,019931667	0,08194767	1,058445999	Svil
17209595	7,299407	7,183438	7,449258	7,410989	7,261137	7,505836	7,310701	7,392654	0,081953	1,058449912	---
17423741	5,637181	5,484228	5,780046	5,855231	5,784531	5,507572	5,6338183	5,715778	0,08195967	1,058454803	Bach2
17232483	3,7002	3,608429	3,639507	3,828446	3,828922	3,536653	3,6493787	3,731340333	0,08196167	1,058456271	Clvs2
17392317	4,27617	4,357525	4,133871	4,48654	4,380565	4,146376	4,2558553	4,337827	0,08197167	1,058463607	9430032N09Rik
17208471	3,541544	2,978361	3,222211	3,204431	3,455917	3,327736	3,247372	3,329361333	0,08198933	1,058476569	---
17410376	10,45538	10,45773	10,38196	10,49342	10,5823	10,46535	10,43169	10,51369	0,082	1,058484395	Ostc
17457035	4,166981	3,76804	4,302273	4,130802	4,22133	4,131177	4,079098	4,161103	0,082005	1,058488063	1700012A03Rik
17530436	5,065722	5,137506	5,088708	5,13804	5,197941	5,201986	5,097312	5,179322333	0,08201033	1,058491976	Nek11
17427123	6,61034	6,640553	6,626034	6,642427	6,690232	6,790325	6,6256423	6,707661333	0,082019	1,058498335	Gm13288
17485421	4,974612	5,291124	5,134349	4,974612	5,440382	5,231242	5,1333617	5,215412	0,08205033	1,058521324	---
17480243	6,589972	6,79454	6,636077	6,920146	6,672093	6,674534	6,6735297	6,755591	0,08206133	1,058529395	Odz4
17423141	3,792363	3,741241	3,68175	3,827011	3,950965	3,683563	3,7384513	3,820513	0,08206167	1,05852964	---
17200039	4,52435	3,932544	4,337656	4,408885	4,533991	4,097869	4,26485	4,346915	0,082065	1,058532086	---
17397377	4,914095	4,707653	4,747356	4,858187	4,871054	4,886165	4,7897013	4,871802	0,08210067	1,058558255	Pcdh10
17358274	8,745086	8,578768	8,675306	8,797731	8,726712	8,721024	8,6663867	8,748489	0,08210233	1,058559478	Dock8
17362101	9,715744	9,646633	9,775402	9,790192	9,877569	9,716349	9,712593	9,794703333	0,08211033	1,058565348	Prdx5

17463973	8,123385	8,009628	7,981239	8,106146	8,181718	8,072719	8,038084	8,120194333	0,08211033	1,058565348	Plekha5
17418536	8,185391	8,243616	8,156553	8,225444	8,375666	8,230793	8,1951867	8,277301	0,08211433	1,058568283	Lsm10
17228804	7,974173	8,013441	8,001751	8,110994	8,1152	8,009521	7,996455	8,078571667	0,08211667	1,058569995	Dars2
17217854	7,158418	7,181389	6,933922	7,137933	7,224661	7,157506	7,091243	7,173366667	0,08212367	1,058575131	Dennd1b
17208353	5,403428	5,436171	5,645199	5,761209	5,46303	5,506955	5,4949327	5,577064667	0,082132	1,058581246	---
17549060	3,194433	3,826155	3,539384	3,843696	3,602498	3,360177	3,5199907	3,602123667	0,082133	1,05858198	---
17281748	5,727873	5,33219	5,906	5,628959	5,892474	5,691061	5,6553543	5,737498	0,08214367	1,058589806	Trim9
17468711	12,63442	12,57951	12,44722	12,53617	12,68639	12,68505	12,553717	12,63587	0,08215333	1,058596899	---
17278593	7,187967	7,362738	7,489307	7,544305	7,519344	7,222848	7,3466707	7,428832333	0,08216167	1,058603014	Evl
17256357	6,677279	6,598487	6,607515	6,722607	6,632689	6,774481	6,6277603	6,709925667	0,08216533	1,058605704	Gast
17400541	6,548261	6,534627	6,568045	6,565166	6,749007	6,583279	6,550311	6,632484	0,082173	1,05861133	Hist2h2be
17401408	5,730022	5,764001	5,73055	5,678805	5,845642	5,946783	5,7415243	5,823743333	0,082219	1,058645084	6530418L21Rik
17231694	8,18384	8,171744	8,209533	8,379462	8,234632	8,19768	8,1883723	8,270591333	0,082219	1,058645084	Plagl1
17516274	3,826021	3,413514	3,739165	4,039721	3,630818	3,554827	3,6595667	3,741788667	0,082222	1,058647286	Olfr961
17502445	5,909659	6,204424	6,257668	6,08844	6,386428	6,143551	6,123917	6,206139667	0,08222267	1,058647775	1700030K09Rik
17226593	9,183508	8,940063	8,799763	8,988245	9,146873	9,034905	8,9744447	9,056674333	0,08222967	1,058652911	Cxcr4
17323532	4,951645	4,486515	4,905794	4,927644	4,722528	4,940477	4,781318	4,863549667	0,08223167	1,058654379	P2rx6
17395398	6,375411	7,012957	6,582099	6,931633	6,539021	6,746534	6,6568223	6,739062667	0,08224033	1,058660739	C330013J21Rik
17423915	8,675296	8,429209	8,464262	8,690901	8,546978	8,577627	8,5229223	8,605168667	0,08224633	1,058665141	Mob3b
17210381	5,634538	6,184179	5,949435	5,975759	5,916609	6,122635	5,9227173	6,005001	0,08228367	1,058692537	---
17200321	3,598402	4,575922	3,849186	4,080234	3,375429	4,814731	4,0078367	4,090131333	0,08229467	1,05870061	---
17233513	5,483758	5,365963	5,670554	5,612463	5,521441	5,633285	5,5067583	5,589063	0,08230467	1,058707948	Sh3rf3
17520624	11,07959	11,01064	10,9869	11,13794	11,13092	11,05519	11,02571	11,10801667	0,08230667	1,058709416	Rbp1
17387642	3,750319	3,906489	3,848554	3,833016	4,049423	3,869887	3,8351207	3,917442	0,08232133	1,058720179	Olfr1043
17276364	5,738226	5,368749	5,342161	5,56879	5,433389	5,693923	5,4830453	5,565367333	0,082322	1,058720668	Syt16
17467205	5,344798	5,351655	4,772243	5,228912	5,228912	5,257847	5,156232	5,238557	0,082325	1,05872287	Nap1l5
17337228	7,02752	7,29476	7,522329	7,338406	7,464292	7,288898	7,2815363	7,363865333	0,082329	1,058725805	Ier3
17420500	5,529655	5,44281	5,666766	5,511197	5,597892	5,777134	5,5464103	5,628741	0,08233067	1,058727028	Fam43b // Fam43b
17460558	5,987265	5,870355	5,83187	6,045402	5,882106	6,008986	5,8964967	5,978831333	0,08233467	1,058729963	Ccdc48
17466340	4,517072	4,291553	4,3009	4,449256	4,5363	4,371034	4,3698417	4,452196667	0,082355	1,058744885	Trpv5
17204601	7,151989	7,080661	7,404531	7,27783	7,280978	7,325448	7,2123937	7,294752	0,08235833	1,05874733	---
17465587	3,658581	3,555552	3,622581	3,760006	3,752227	3,57157	3,612238	3,694601	0,082363	1,058750756	Tsga13
17224520	6,217782	6,35474	6,318734	6,445391	6,37102	6,321937	6,2970853	6,379449333	0,082364	1,05875149	Glb1l
17408999	6,755208	6,859205	6,931431	6,92097	6,854352	7,01765	6,8486147	6,930990667	0,082376	1,058760297	Kcnc4
17205999	5,686272	5,518739	5,588134	5,329401	5,951657	5,759253	5,597715	5,680103667	0,08238867	1,058769592	---
17484107	9,043046	8,974461	9,094111	9,135151	9,208898	9,014763	9,037206	9,119604	0,082398	1,058776442	---
17544469	3,400101	3,417306	3,321199	3,361336	3,553164	3,471432	3,3795353	3,461977333	0,082442	1,058808734	Taf7l
17288189	5,482734	5,182285	5,400538	5,42641	5,44791	5,438689	5,3551857	5,437669667	0,082484	1,058839558	---
17268755	8,570851	8,783495	8,607859	8,811456	8,751986	8,646215	8,6540683	8,736552333	0,082484	1,058839558	Med1
17322523	4,188133	3,97196	4,337929	4,353682	4,243595	4,14823	4,1660073	4,248502333	0,082495	1,058847631	Gm5766
17465341	7,435481	7,648341	7,529166	7,526315	7,696441	7,637767	7,5376627	7,620174333	0,08251167	1,058859864	Rbm28
17292306	4,538285	4,540316	4,426427	4,597115	4,518458	4,637035	4,501676	4,584202667	0,08252667	1,058870873	---
17302329	4,52067	3,947628	3,954483	4,454599	4,054335	4,161436	4,140927	4,223456667	0,08252967	1,058873075	---
17262855	6,4486	6,51899	6,188946	6,421371	6,581238	6,401522	6,385512	6,468043667	0,08253167	1,058874543	Tnip1
17416460	7,35964	7,458502	7,299173	7,304828	7,634115	7,425969	7,3724383	7,454970667	0,08253233	1,058875032	Yipf1
17413000	5,620589	5,423296	6,836271	7,211871	5,491914	5,423982	5,960052	6,042589	0,082537	1,058878457	4933409K07Rik
17418257	8,92445	8,905754	8,709331	8,635494	8,942225	9,209429	8,8465117	8,929049333	0,08253767	1,058878947	---
17259276	6,587515	6,177586	6,193632	6,513199	6,506835	6,186313	6,3195777	6,402115667	0,082538	1,058879191	Bahcc1
17489035	7,551468	7,798833	7,508915	7,696295	7,641643	7,768911	7,6197387	7,7022283	0,08254433	1,05888384	Sdhaf1
17446767	5,554787	5,664525	5,620406	5,489204	5,893443	5,704717	5,6132393	5,695788	0,08254867	1,05888702	Cgref1
17428600	7,973452	8,025922	7,813775	8,012115	8,017277	8,031491	7,9377163	8,020294333	0,082578	1,05890855	Mast2
17533144	3,936781	3,607524	3,983273	3,870016	3,930852	3,97452	3,842526	3,925129333	0,08260333	1,058927144	---
17384717	5,378839	5,182821	5,25456	5,271393	5,336972	5,455676	5,2720733	5,354680333	0,082607	1,058929836	Nr6a1
17416196	12,31556	12,10982	12,12179	12,1314	12,40645	12,25719	12,18239	12,26501333	0,08262333	1,058941824	C8b
17476497	5,871091	6,036806	6,024043	6,079437	5,970518	6,129892	5,9773133	6,059949	0,08263567	1,058950877	Atp4a
17468532	8,668919	8,582714	8,345872	8,49362	8,650967	8,700878	8,5325017	8,615155	0,08265333	1,058963845	Gmcl1
17214409	9,061573	9,07559	9,080141	9,26673	9,126005	9,072534	9,0724347	9,155089667	0,082655	1,058965068	Fam134a
17435403	5,576232	5,910396	6,031681	6,034084	5,838657	5,893612	5,8394363	5,922117667	0,08268133	1,058984397	Chpf2
17250849	4,810018	4,499681	4,697039	4,729928	4,947684	4,57719	4,6689127	4,751600667	0,082688	1,058989291	B430319H21Rik
17381330	8,247175	8,208467	7,991788	8,13973	8,106553	8,449298	8,1491433	8,231860333	0,082717	1,059010578	Optn
17470054	9,138206	9,071034	8,899427	9,148352	9,060493	9,148049	9,0362223	9,118964667	0,08274233	1,059029174	Zfp422
17405274	5,319957	5,10409	5,268056	5,337706	5,390434	5,212302	5,230701	5,313480667	0,08277967	1,05905658	Ccna1
17481309	3,385651	3,342203	3,523162	3,276994	3,621191	3,60124	3,4170053	3,499808333	0,082803	1,059073708	Olfr651
17407550	4,373068	4,410491	4,373747	4,597314	4,532251	4,276199	4,3857687	4,468588	0,08281933	1,059085699	Riiad1
17511011	5,435662	5,343579	5,403666	5,430763	5,44418	5,556518	5,3943023	5,477153667	0,08285133	1,05910919	Rln3
17424818	4,706795	4,511814	4,519023	4,857979	4,44501	4,683211	4,5792107	4,662066667	0,082856	1,059112616	Olfr157
17209109	5,128094	5,132053	5,933743	5,479892	5,46814	5,494477	5,3979633	5,480836333	0,082873	1,059125096	---
17440277	7,269175	7,216196	7,037275	7,117609	7,402681	7,250978	7,1742153	7,257089333	0,082874	1,05912583	Tmem175
17368569	7,181578	7,491353	7,446666	7,36806	7,599453	7,400817	7,373199	7,45611	0,082911	1,059152993	Col5a1
17234873	3,788273	3,36149	3,386549	3,475595	3,583891	3,725564	3,512104	3,595016667	0,08291267	1,059154217	Vmn2r81
17449534	10,05033	9,670105	9,762141	9,844216	9,9103	9,976834	9,8275253	9,91045	0,08292467	1,059163027	---
17425077	5,623185	5,554905	5,705852	5,635162	5,813981	5,683574	5,6279807	5,710905667	0,082925	1,059163272	Tbc1d2
17206795	4,193027	3,694432	3,393883	4,74614	2,978024	3,805984	3,7604473	3,843382667	0,08293533	1,059170858	---
17265808	4,100779	4,147352	4,256492	4,263011	4,173424	4,317019	4,1682077	4,251151333	0,08294367	1,059176976	Olfr399
17296554	7,975594	7,887815	7,916699	8,052825	8,109221	7,866898	7,9267027	8,009648	0,08294533	1,059178199	LOC100861977
17207471	6,184412	5,76064	6,420735	6,033151	6,260229	6,321245	6,121929	6,204875	0,082946	1,059178689	---
17430209	3,382022	3,326123	3,456717	3,276771	3,398728	3,738245	3,3882873	3,471248	0,08296067	1,059189457	---
17346631	3,108692	3,195519	3,193127	3,198337	3,314828	3,233071	3,1657793	3,248745333	0,082966	1,059193372	---
17550186	3,232858	2,924903	3,085247	3,065358	3,227912	3,198666	3,0810027	3,163978667	0,082976	1,059200714	---
17418640	6,513096	6,326455	6,521819	6,667702	6,522581	6,42005	6,45379	6,536777667	0,08298767	1,05920928	AU040320
17385712	5,372091	4,84594	4,926378	5,516557	4,994323	4,882498	5,0481363	5,131126	0,08298967	1,059210748	Gm13582
17404019	3,763337	3,450466	3,547402	3,898586	3,529635	3,581973	3,5870683	3,670064667	0,08299633	1,059215643	---
17274617	3,625147	3,529317	3,520591	3,803235	3,537445	3,583438	3,5583517	3,641372667	0,083021	1,059233753	4930480M12Rik // 4930480M12Rik
17477053	8,092279	8,15907	8,023171	8,400993	8,1676	7,955034	8,0915067	8,174542333	0,08303567	1,059244521	---
17307801	10,9639	10,91477	10,76531	11,01683	10,90222	10,97404	10,881327	10,96436333	0,08303667	1,059245255	Gulo
17269461	5,674264	5,589391	5,474003	5,96528	5,554836	5,466695	5,5792193	5,662270333	0,083051	1,059255779	---
17453506	6,349529	6,410622	6,363832	6,244244	6,610798	6,518182	6,374661	6,457741333	0,08308033	1,059277317	2010001M06Rik
17497595	6,636923	6,418649	6,531121	6,486182	6,691071	6,658699	6,5288977	6,611984	0,08308633	1,059281722	1810014F10Rik
17302936	4,06709	4,346469	4,404951	4,431786	4,365529	4,270543	4,2728367	4,355952667	0,083116	1,059303505	Itgbl1
17512361	5,696433	5,761798	5,974826	5,853914	5,859201	5,969335	5,811019	5,89415	0,083131	1,059314518	Exoc3l
17218899	6,361301	6,602443	6,435465	6,544018	6,492484	6,612121	6,466403	6,549541	0,083138	1,059319658	4930455F23Rik
17211361	3,621958	3,578473	3,775436	3,583988	3,640621	4,000683	3,6586223	3,741764	0,08314167	1,059322351	4930486I03Rik // 4930486I03Rik
17466618	5,346133	5,015763	5,3381	5,252934	5,317383	5,379105	5,233332	5,316474	0,083142	1,059322595	Gimap3
17226891	5,503294	5,460584	5,735013	5,641519	5,726626	5,580179	5,566297	5,649441333	0,08314433	1,059324309	Cntn2
17324671	8,730261	8,627006	8,481215	8,319017	8,876072	8,892861	8,6128273	8,695983333	0,083156	1,059332875	---
17202641	6,409018	6,872899	6,37853	6,943007	6,348	6,61891	6,5534823	6,636639	0,08315667	1,059333365	---
17319596	8,33176	8,246727	8,132452	8,322826	8,349049	8,288582	8,2369797	8,320152333	0,08317267	1,059345113	Cenpm
17457128	5,55443	5,531204	5,373861	5,442733	5,644043	5,62224	5,4864983	5,569672	0,08317367	1,059345847	Akr1b8
17254809	7,190755	7,291003	7,185353	7,364471	7,25197	7,300242	7,2223703	7,305561	0,08319067	1,05935833	Rnf43
17301670	6,214495	6,476709	6,09969	6,334288	6,318755	6,387492	6,2636313	6,346845	0,08321367	1,059375219	Loxl2
17318665	5,555654	5,36971	5,573371	5,675777	5,482486	5,590178	5,4995783	5,582813667	0,08323533	1,059391129	Foxh1
17377342	3,841168	3,696714	3,577178	3,859138	3,651848	3,853813	3,70502	3,788266333	0,08324633	1,059399207	---
17544582	6,776142	6,697529	6,485936	6,540372	6,712996	6,956	6,6532023	6,736456	0,08325367	1,059404592	Zmat1
17549156	5,253436	5,460896	5,794742	5,610736	5,402858	5,745375	5,5030247	5,586323	0,08329833	1,059437392	---
17519108	7,523708	7,679547	7,915161	7,608408	7,95615	7,803769	7,7061387	7,789442333	0,08330367	1,059441308	Rrp7a // Rrp7a
17425399	3,094627	3,003887	3,069839	3,115302	3,141038	3,161947	3,0561177	3,139429	0,08331133	1,059446938	---
17497449	6,400331	6,560105	6,65733	6,68288	6,565182	6,619736	6,5392553	6,622599333	0,083344	1,059470928	Nkx6-2
17275811	9,207096	9,411886	9,154146	9,433028	9,260443	9,329729	9,2577093	9,341066667	0,08335733	1,059480719	Prpf39
17466119	9,173052	9,180985	9,105097	9,161022	9,23615	9,312063	9,1530447	9,236411667	0,083367	1,059487818	Mkrn1
17508482	9,123389	9,278284	9,086531	9,285432	9,129442	9,323532	9,1627347	9,246135333	0,08340067	1,059512543	Hook3
17365080	4,396059	4,453665	4,507809	4,62647	4,464995	4,516336	4,452511	4,535933667	0,08342267	1,0595287	Pkdl1
17218249	3,48889	3,437612	3,375917	3,459553	3,729067	3,364141	3,4341397	3,517587	0,08344733	1,059546815	Apobec4
17329230	4,183846	4,15786	3,878131	4,217564	4,208634	4,043986	4,073279	4,156728	0,083449	1,059548039	---
17405827	3,872538	3,925418	4,055238	4,054297	4,038528	4,010858	3,9510647	4,034561	0,08349633	1,059582802	1110032A04Rik
17216296	5,390759	5,33226	5,269045	5,543503	5,224339	5,474718	5,330688	5,414186667	0,08349867	1,059584516	Rnf152
17481359	3,404493	3,224025	3,394555	3,39832	3,437655	3,43761	3,3410243	3,424528333	0,083504	1,059588433	Olfr689
17519619	7,706346	7,593722	7,642148	7,766298	7,730713	7,695789	7,6474053	7,730933333	0,083528	1,05960606	Ick
17300181	4,968318	5,00725	5,032083	5,159993	5,376587	4,721682	5,0025503	5,086087333	0,083537	1,05961267	---
17522167	6,952349	7,166115	6,647885	7,091316	6,955124	6,970564	6,9221163	7,005668	0,08355167	1,059623443	Plxnb1
17548652	4,814393	4,971427	5,111234	4,997075	4,905946	5,244757	4,9656847	5,049259333	0,08357467	1,059640336	Gm10617
17462893	7,28069	7,087972	7,256558	7,40677	7,210587	7,258627	7,2084067	7,291994667	0,083588	1,059650129	C1rb
17265761	3,271964	3,166509	3,32808	3,189692	3,360838	3,466908	3,2555177	3,339146	0,08362833	1,059679754	Olfr1
17377597	7,66615	7,82657	7,613853	7,74855	7,809277	7,799638	7,702191	7,785821667	0,08363067	1,059681468	Fkbp1a
17549432	11,39639	11,58066	11,59908	11,59037	11,69779	11,53888	11,525377	11,60901333	0,08363667	1,059685875	---
17380584	6,128557	6,508033	6,464128	6,30917	6,602216	6,440272	6,366906	6,450552667	0,08364667	1,05969322	Phactr3
17511615	3,679193	3,682644	3,702564	3,802042	3,781518	3,731843	3,6881337	3,771801	0,08366733	1,0597084	4831440D22Rik
17448775	8,668962	8,678384	9,124178	8,906956	9,003345	8,812247	8,8238413	8,907516	0,08367467	1,059713787	---
17323082	8,684463	8,505651	8,292393	8,517578	8,554529	8,661426	8,494169	8,577844333	0,08367533	1,059714277	Ntan1
17343897	7,200553	7,017375	7,44656	7,466587	7,139337	7,309594	7,221496	7,305172667	0,08367667	1,059715256	Ppt2
17278637	6,867781	6,706074	6,636048	6,935935	6,757766	6,767241	6,7366343	6,820314	0,08367967	1,05971746	Wdr25
17467923	5,285238	5,340188	5,426626	5,563009	5,271392	5,468719	5,350684	5,434373333	0,08368933	1,05972456	4931417E11Rik
17432247	6,686157	6,725947	6,797469	6,88867	6,749394	6,822583	6,7365243	6,820215667	0,08369133	1,059726029	Tmem82
17380017	3,621849	3,557266	3,417093	3,489079	3,752007	3,606201	3,5320693	3,615762333	0,083693	1,059727253	---
17306680	5,378944	5,357642	5,59726	5,548027	5,585471	5,451511	5,4446153	5,528336333	0,083721	1,059747821	Nrl

17261838	3,526164	3,471587	3,499375	3,65975	3,547609	3,540979	3,499042	3,582779333	0,08373733	1,059759819	---
17217022	4,976786	4,764195	4,709716	4,941324	4,752112	5,008484	4,816899	4,90064	0,083741	1,059762512	Fam72a
17306362	9,768239	9,920703	9,543032	9,75263	9,840528	9,890156	9,7439913	9,827771333	0,08378	1,059791161	Prmt5
17342559	6,487846	6,412511	6,528079	6,547556	6,5179	6,614387	6,4761453	6,559947667	0,08380233	1,059807567	Rab11fip3
17355512	5,847589	5,792483	5,940891	5,945521	5,999154	5,887743	5,860321	5,944139333	0,08381833	1,059819321	Rnf165
17439326	4,095088	3,82248	3,826949	4,121125	3,91976	3,955091	3,914839	3,998658667	0,08381967	1,0598203	Gm3286
17262381	5,678151	5,721889	5,613833	5,802852	5,701953	5,760656	5,671291	5,755153667	0,08386267	1,059851889	---
17379560	10,19398	10,12925	10,11329	10,15702	10,26125	10,26985	10,145507	10,22937333	0,08386667	1,059854827	Ctsa
17255788	7,532651	7,615009	7,565624	7,641894	7,73438	7,588616	7,5710947	7,654963333	0,08386867	1,059856297	Arhgap23
17381988	6,860537	6,786306	7,176061	7,057644	7,085339	6,931531	6,940968	7,024838	0,08387	1,059857276	H2afb1
17231774	4,300898	4,302916	4,368962	4,400207	4,424418	4,399825	4,3242587	4,40815	0,08389133	1,059872949	Nmbr
17314805	10,40206	10,38513	10,33422	10,4316	10,51078	10,43094	10,373803	10,45777333	0,08397	1,059930743	Tmbim6
17324883	5,341488	5,327984	5,43077	5,490579	5,460371	5,40123	5,3667473	5,450726667	0,08397933	1,0599376	Muc4
17266973	3,111591	2,792774	2,906299	3,115457	2,942288	3,004889	2,936888	3,020878	0,08399	1,059945436	---
17456339	9,494431	9,60701	9,621086	9,687977	9,74389	9,542641	9,5741757	9,658169333	0,08399367	1,05994813	A430107O13Rik
17455534	7,851256	8,445472	8,671264	8,457391	8,448611	8,313981	8,322664	8,406661	0,083997	1,059950579	Gm5566
17443663	6,789788	6,532033	6,571332	6,677131	6,788105	6,679916	6,631051	6,715050667	0,08399967	1,059952538	Tsc22d4
17236476	6,891281	7,027705	6,922224	6,973638	7,242919	6,876691	6,94707	7,031082667	0,08401267	1,05996209	Ikbip
17253376	5,345662	5,426427	5,35394	5,437171	5,506984	5,433933	5,375343	5,459362667	0,08401967	1,059967233	Sez6
17493143	4,00845	3,944887	3,566639	4,193018	4,017513	3,561529	3,839992	3,92402	0,084028	1,059973355	Olfr294
17257254	4,345844	4,173276	4,156446	4,339826	4,396467	4,191378	4,2251887	4,309223667	0,084035	1,059978498	---
17273182	9,39922	9,300172	9,188105	9,326783	9,372569	9,440302	9,2958323	9,379884667	0,08405233	1,059991234	Arhgdia
17412418	7,123441	7,230935	7,12587	7,218798	7,318373	7,195233	7,160082	7,244134667	0,08405267	1,059991478	Mdn1
17326711	9,128819	9,006096	8,648375	8,846792	9,140671	9,047994	8,9277633	9,011819	0,08405567	1,059993683	Cxadr
17434711	4,664577	4,628799	4,671797	5,081583	4,342665	4,793121	4,6550577	4,739123	0,08406533	1,060000785	4933402N22Rik
17548082	3,582915	3,761109	3,422826	3,875258	3,641455	3,502356	3,58895	3,673023	0,084073	1,060006418	LOC100861812
17470354	10,30362	10,28758	10,08515	10,26628	10,30274	10,35956	10,22545	10,30952667	0,08407667	1,060009112	Wnk1
17419626	6,132213	5,830458	6,015687	5,946679	6,309144	5,974816	5,992786	6,076879667	0,08409367	1,060021603	Gpatch3
17291222	5,875715	5,852324	5,6754	5,644672	5,853718	6,157345	5,8011463	5,885245	0,08409867	1,060025277	Hist2h3b // Hist1h3e // Hist1h3b // Hist1
17416762	8,316708	8,583004	8,256332	8,530552	8,507435	8,370389	8,385348	8,469458667	0,08411067	1,060034094	---
17392191	7,283802	7,346107	7,461964	7,510682	7,462049	7,37155	7,3639577	7,448093667	0,084136	1,060052708	Tasp1
17255160	8,278901	8,121909	8,135255	8,314015	8,296321	8,178144	8,1786883	8,262826667	0,08413833	1,060054422	Spag9
17496836	4,223216	4,289112	4,635026	4,42783	4,620323	4,351663	4,3824513	4,466605333	0,084154	1,060065934	---
17207001	7,669137	7,666051	7,536518	7,656043	7,803014	7,665112	7,623902	7,708056333	0,08415433	1,060066179	---
17456995	8,984088	9,166186	9,077962	9,086246	9,235463	9,159011	9,0760787	9,16024	0,08416133	1,060071322	Mkln1
17226847	6,686304	7,072283	7,042184	6,968756	7,013026	7,071483	6,9335903	7,017755	0,08416467	1,060073771	Cdk18
17542853	6,80553	7,048139	6,73407	6,841894	7,076321	6,922111	6,8625797	6,946775333	0,08419567	1,06009655	Pls3
17497741	6,261549	6,198859	6,059608	6,400114	6,098608	6,2739	6,1733387	6,257540667	0,084202	1,060101204	Ano9
17352731	8,383234	8,730542	8,182331	8,369013	8,580821	8,598881	8,4320357	8,516238333	0,08420267	1,060101694	Npc1
17412395	4,82694	4,633184	4,789421	4,737988	5,101516	4,662672	4,7498483	4,834058667	0,08421033	1,060107327	---
17248686	6,440361	6,348372	5,968384	6,49197	6,35796	6,159834	6,2523723	6,336588	0,08421567	1,060111246	4930597A21Rik
17542220	5,978518	6,204774	6,107311	6,336207	6,13909	6,06799	6,0968677	6,181095667	0,084228	1,060120309	Gabra3
17204311	4,884458	4,910152	5,787241	5,47196	5,490767	4,87185	5,1939503	5,278192333	0,084242	1,060130597	---
17516397	4,172119	3,914014	4,110195	4,330464	3,967591	4,151004	4,0654427	4,149686333	0,08424367	1,060131821	3110039I08Rik
17232802	4,865232	4,633319	5,019842	4,880382	4,881227	5,009538	4,8394643	4,923715667	0,08425133	1,060137455	Akd1
17283131	7,28159	7,231341	6,989747	7,15202	7,288394	7,315027	7,1675593	7,251813667	0,08425433	1,060139659	Ptpn21
17405654	3,547801	3,323089	3,57273	3,559052	3,562803	3,574632	3,4812067	3,565495667	0,084289	1,060165134	Vmn2r7
17402746	8,731915	8,930699	8,904329	8,775754	9,089217	8,954864	8,8556477	8,93945	0,08429733	1,060171258	Ints12
17244913	7,596967	7,616324	7,724728	7,663573	7,829774	7,69757	7,6460063	7,730305667	0,08429933	1,060172727	Zdhhc17
17202399	3,414718	3,908702	4,963142	3,490635	4,646722	4,402239	4,0955207	4,179865333	0,08434467	1,060206041	---
17254071	5,443377	5,371229	5,544524	5,474934	5,691954	5,445347	5,4530433	5,537411667	0,08436833	1,060223434	Tmem132e
17426884	2,99509	2,805918	3,056639	3,010514	3,134563	2,965685	2,952549	3,036920667	0,08437167	1,060225883	---
17507353	3,158136	3,127431	2,924677	3,068242	3,166768	3,228405	3,0700813	3,154471667	0,08439033	1,060239601	---
17286595	8,745839	8,719549	8,592714	8,726705	8,778259	8,806311	8,686034	8,770425	0,084391	1,060240091	Rreb1
17312606	7,306213	7,311883	7,294492	7,383901	7,573388	7,208488	7,304196	7,388592333	0,08439633	1,060244011	Zfp7
17200641	3,188716	3,083547	4,017489	3,889663	3,86937	2,783911	3,4299173	3,514314667	0,08439733	1,060244746	---
17200879	5,573185	6,056652	5,971376	5,995959	5,896755	5,961741	5,867071	5,951485	0,084414	1,060256994	---
17380526	4,003582	4,086878	3,997808	4,21533	4,117166	4,009055	4,0294227	4,113850333	0,08442767	1,060267038	---
17392375	9,256996	9,379147	9,133354	9,269485	9,36298	9,390322	9,256499	9,340929	0,08443	1,060268753	Snx5
17429586	4,544154	4,597849	4,548403	4,386755	4,55626	5,000699	4,5634687	4,647904667	0,084436	1,060273162	---
17364870	3,181494	3,000852	2,964809	3,148362	3,130226	3,121909	3,0490517	3,133499	0,08444733	1,060281492	---
17305426	7,438973	7,042187	6,657551	7,267726	6,913129	7,211232	7,046237	7,130695667	0,08445867	1,060289821	BC061237
17206567	4,679761	5,165637	4,19324	5,18442	4,143918	4,963724	4,679546	4,764020667	0,08447467	1,06030158	---
17453675	5,908902	5,777709	5,896456	5,899035	6,071961	5,865518	5,8610223	5,945504667	0,08448233	1,060307215	---
17248083	8,360582	8,113705	8,509162	8,305577	8,577179	8,354158	8,3278163	8,412304667	0,08448833	1,060311624	---
17295503	9,195127	8,951979	8,820544	8,999285	9,073019	9,148819	8,9892167	9,073707667	0,084491	1,060313584	Mccc2
17327066	7,182558	7,06955	7,226956	7,079834	7,28869	7,364032	7,159688	7,244185333	0,08449733	1,060318239	A930006K02Rik
17205221	3,364714	4,836265	4,837192	3,946151	5,348516	3,997015	4,346057	4,430560667	0,08450367	1,060322894	---
17209411	3,364714	4,836265	4,837192	3,946151	5,348516	3,997015	4,346057	4,430560667	0,08450367	1,060322894	---
17549562	4,04194	4,341043	4,538037	4,441558	4,379927	4,35308	4,3070067	4,391521667	0,084515	1,060331223	---
17549718	4,04194	4,341043	4,538037	4,441558	4,379927	4,35308	4,3070067	4,391521667	0,084515	1,060331223	---
17366314	6,324075	6,641649	6,384319	6,586378	6,459394	6,557865	6,4500143	6,534545667	0,08453133	1,060343228	---
17210741	5,445933	5,369822	4,83439	5,798429	5,412415	4,692957	5,216715	5,301267	0,084552	1,060358417	---
17531468	3,34808	3,727075	3,412243	3,614577	3,687766	3,438803	3,4957993	3,580382	0,08458267	1,060380957	Fbxw27
17225929	8,736553	8,847382	8,564274	8,965684	8,75425	8,682032	8,7160697	8,800655333	0,08458567	1,060383162	Pam
17532621	13,62682	13,57256	13,51218	13,58743	13,67608	13,70182	13,57052	13,65511	0,08459	1,060386347	---
17308475	12,04155	12,38196	12,32904	11,96766	12,26039	12,77831	12,25085	12,33545333	0,08460333	1,060396147	---
17214234	5,245544	5,204123	5,232769	5,123377	5,656069	5,156826	5,2274787	5,312090667	0,084612	1,060402517	Vil1
17450802	5,881942	6,243716	6,018817	6,253224	6,08856	6,056547	6,0481583	6,132777	0,08461867	1,060407417	Dgkq
17369866	9,284681	9,098089	9,094575	9,016404	9,472397	9,242433	9,159115	9,243744667	0,08462967	1,060415503	---
17388104	7,618594	7,469097	7,583216	7,669177	7,686527	7,569119	7,556969	7,641607667	0,08463867	1,060422118	Slc39a13
17208377	6,666696	6,003496	6,208475	6,305801	6,812702	6,014087	6,292889	6,37753	0,084641	1,060423833	---
17203845	3,819935	3,858954	4,227703	4,546798	3,628983	3,984758	3,968864	4,053513	0,084649	1,060429713	---
17464063	4,955197	5,007563	4,722191	4,876607	5,03953	5,022765	4,8949837	4,979634	0,08465033	1,060430693	Slco1c1
17423640	4,953472	4,917395	4,695857	5,123461	4,737502	4,959741	4,8555747	4,940234667	0,08466	1,060437798	Klhl32
17549514	10,42861	10,48552	10,38766	10,51539	10,55108	10,4893	10,43393	10,51859	0,08466	1,060437798	---
17535152	3,910257	3,586599	3,81769	3,817183	3,897574	3,853813	3,7715153	3,85619	0,08467467	1,060448579	4933402E13Rik
17427147	5,901105	5,876755	6,103034	5,987688	6,146466	6,000766	5,960298	6,044973333	0,08467533	1,060449069	Cdkn2a
17429352	6,529032	6,375534	6,747114	6,652709	6,603013	6,650032	6,55056	6,635251333	0,08469133	1,06046083	Cldn19
17223412	7,491253	7,517063	7,647405	7,699366	7,58237	7,628164	7,551907	7,636633333	0,08472633	1,060486557	Fam126b
17475787	7,739854	7,752738	7,652838	7,8435	7,861495	7,69465	7,7151433	7,799881667	0,08473833	1,060495378	Dyrk1b
17534095	10,64112	10,52639	10,57737	10,64623	10,64833	10,70454	10,581627	10,66636667	0,08474	1,060496603	Pgrmc1
17451171	8,034838	7,849038	7,68573	7,655887	8,050975	8,116978	7,8565353	7,94128	0,08474467	1,060500034	Hscb
17524775	6,465388	6,563395	6,438655	6,702293	6,520734	6,498658	6,489146	6,573895	0,084749	1,060503219	Dock6
17491026	9,689381	9,647341	9,629142	9,755886	9,785646	9,678646	9,655288	9,740059333	0,08477133	1,060519636	Emp3
17544284	5,06415	5,144636	5,083676	5,096823	4,922441	5,527554	5,0974873	5,182272667	0,08478533	1,060529927	Nap1l3
17488032	8,797542	8,855455	8,578337	8,744854	8,875748	8,865126	8,743778	8,828576	0,084798	1,060539239	Axl
17493306	3,323017	3,334245	3,189692	3,243901	3,321296	3,536156	3,282318	3,367117667	0,08479967	1,060540464	---
17543549	7,78579	7,57585	7,368073	7,587858	7,595156	7,801136	7,576571	7,661383333	0,08481233	1,060549775	Snx12
17221119	3,226923	3,229784	3,425249	3,193803	3,549585	3,393044	3,2939853	3,378810667	0,08482533	1,060559332	---
17460592	10,07651	10,1762	10,28022	10,10332	10,48115	10,20297	10,177643	10,26248	0,08483667	1,060567663	---
17453573	7,142403	7,240613	7,365264	7,39954	7,450876	7,152386	7,2494267	7,334267333	0,08484067	1,060570604	Hip1
17346311	8,354312	8,366011	8,43128	8,271648	8,612583	8,521918	8,3838677	8,468716333	0,08484867	1,060576485	2410015M20Rik
17304646	6,98921	7,015738	6,993082	7,15736	7,087644	7,007664	6,9993433	7,084222667	0,08487933	1,060599029	Phf7
17355092	10,86979	10,80055	10,7611	10,92958	10,92807	10,82843	10,81048	10,89536	0,08488	1,06059952	Lman1
17282343	4,278862	4,185753	4,241107	4,199268	4,666258	4,094868	4,2352407	4,320131333	0,08489067	1,060607361	Adam4
17437459	4,770022	4,623719	4,833322	4,734774	4,735959	5,011002	4,7423543	4,827245	0,08489067	1,060607361	Slc34a2
17275168	6,43976	6,725163	6,293677	6,525135	6,70616	6,481987	6,4862	6,571094	0,084894	1,060609812	Dock4
17449827	4,46504	4,538859	4,91785	4,727338	4,710366	4,738748	4,6405863	4,725484	0,08489767	1,060612507	C87414
17447102	4,670407	4,67909	4,910333	4,738954	4,95479	4,820786	4,7532767	4,838176667	0,0849	1,060614223	---
17209949	3,838071	4,314688	4,000682	3,508872	3,844704	5,054637	4,051147	4,136071	0,08924	1,060631867	---
17280179	4,348413	4,827374	4,473403	4,597186	4,691476	4,615302	4,54973	4,634654667	0,08924267	1,060632357	---
17208801	5,335382	5,074163	4,971323	5,220899	5,13584	5,278903	5,126956	5,211880667	0,08924267	1,060632357	---
17471213	6,558416	6,886267	6,839869	6,695159	6,941311	6,902867	6,7615173	6,846445667	0,08928333	1,060635052	9630033F20Rik
17221026	3,772717	3,908064	3,993565	3,990975	4,019888	3,918274	3,8914487	3,976379	0,08493033	1,060636523	Mir29b-2
17406890	5,428559	4,793624	5,121701	5,182755	5,166105	5,249818	5,114628	5,199559333	0,08493133	1,060637258	---
17207179	3,353089	3,611311	3,208521	4,214084	3,0506	3,163031	3,3909737	3,475905	0,08493133	1,060637258	---
17424023	8,532194	8,373547	8,585066	8,589458	8,652922	8,503241	8,4969357	8,581873667	0,084938	1,060642159	Ndufb6
17290921	7,947466	8,043159	8,034439	8,110729	8,145218	8,023981	8,0083547	8,093309333	0,08495467	1,060654412	Zkscan3
17300366	9,378342	9,700767	9,770425	9,637872	9,592809	9,873734	9,6165113	9,701471667	0,08496033	1,060658578	---
17229727	8,058913	8,604326	8,340742	8,37151	8,40736	8,479994	8,3346603	8,419621333	0,084961	1,060659068	---
17322219	4,445138	4,546685	4,428705	4,61507	4,6805	4,379857	4,4735093	4,558475667	0,08496633	1,060662989	Sp7
17436427	8,956259	9,07276	9,006721	9,026357	9,226686	9,037643	9,0119133	9,096895333	0,084982	1,060674508	Maea
17213765	3,240833	3,031545	3,141023	3,02255	3,627542	3,018262	3,1378003	3,222784667	0,08498433	1,060676223	Crygf
17545229	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545231	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545235	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545237	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545241	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545249	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545255	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545261	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545265	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545271	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---

17545277	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17545279	7,008906	6,67373	6,480852	6,927426	6,680556	6,810479	6,7211627	6,806153667	0,084991	1,060681124	---
17411907	5,645309	5,80624	5,575635	5,62864	5,927086	5,726449	5,675728	5,760725	0,084997	1,060685536	Gm11818
17512032	10,74732	10,76546	10,60353	10,71464	10,87366	10,78301	10,705437	10,79043667	0,085	1,060687741	Cnot1
17474906	5,660522	5,542937	5,798506	5,653541	5,926622	5,676823	5,6673217	5,752328667	0,085007	1,060692888	Zfp114 // Zfp114
17257064	10,51248	10,55875	10,29414	10,57045	10,53563	10,51437	10,455123	10,54015	0,08502667	1,060707347	---
17288650	12,52249	12,61199	12,51481	12,61625	12,66162	12,62651	12,549763	12,63479333	0,08503	1,060709798	Ftl1
17455913	3,827941	3,802839	3,844492	4,005407	3,938448	3,786537	3,8250907	3,910130667	0,08504	1,06071715	Dync1i1
17501962	7,589915	7,757747	7,668569	7,857494	7,756678	7,657185	7,672077	7,757119	0,085042	1,060718621	Ell
17378942	6,756901	6,789956	6,52072	6,745754	6,618512	6,958535	6,6891923	6,774267	0,08507467	1,060742639	Ppp1r16b
17546070	4,354151	4,396369	4,613249	4,776188	4,374366	4,46844	4,4545897	4,539664667	0,085075	1,060742884	---
17267198	4,034648	4,417806	4,289068	4,296233	4,187008	4,513545	4,247174	4,332262	0,085088	1,060752442	---
17204611	6,314313	6,29748	6,444545	6,853762	6,318161	6,139691	6,3521127	6,437204667	0,085092	1,060755383	---
17302747	5,510201	5,641947	5,726962	5,740525	5,840436	5,553433	5,62637	5,711464667	0,08509467	1,060757344	Hs6st3
17243113	5,698256	5,540101	5,775939	5,564574	5,865801	5,839242	5,671432	5,756539	0,085107	1,060766412	Lingo3
17200827	5,77289	5,250758	6,282993	6,178697	5,887512	5,495816	5,7688803	5,854008333	0,085128	1,060781853	---
17392472	8,101569	7,985408	8,089108	8,296767	8,20203	7,932687	8,058695	8,143828	0,085133	1,060785529	Ralgapa2
17467988	2,977112	3,148542	3,168843	3,269123	3,138979	3,1418	3,0981657	3,183300667	0,085135	1,060787	Mir468
17309310	8,828033	9,022274	8,855298	9,006184	8,904613	9,050242	8,9018683	8,987013	0,085144667	1,060794107	Rbm26
17277965	5,600236	5,651539	5,838831	5,836592	5,664412	5,845042	5,6968687	5,782015333	0,08514667	1,060795578	A630072L19Rik
17210996	6,228722	7,047942	6,731162	6,706865	6,563554	6,992862	6,6692753	6,754427	0,08515167	1,060799254	---
17494193	2,958332	3,045877	3,03841	3,06036	3,093841	3,14388	3,0142063	3,099360333	0,085154	1,06080097	Olfr623
17293434	4,294969	4,148679	4,146733	4,349896	4,56637	3,929586	4,1967937	4,281950667	0,085157	1,060803176	Cts7
17550729	4,399947	4,248989	4,480163	4,204244	4,799394	4,380977	4,3763663	4,461538333	0,085172	1,060814205	---
17516613	7,479454	7,482574	6,906411	7,034001	7,457539	7,632487	7,2894797	7,374675667	0,085196	1,060831853	Gm4199 // Fam103a1
17369261	4,563181	4,648767	4,439013	4,574544	4,853492	4,478533	4,5503203	4,635523	0,08520267	1,060836755	---
17219463	11,25204	11,23802	11,35486	11,30835	11,41883	11,37335	11,28164	11,36684333	0,08520333	1,060837245	---
17391903	7,06881	6,679294	7,335859	7,33217	6,867587	7,139825	7,0279877	7,113194	0,085206333	1,060839451	---
17254128	5,505543	5,545283	5,561576	5,528916	5,582409	5,75673	5,5374673	5,622685	0,08521767	1,060847785	Unc45b
17447696	6,527359	6,523018	6,513392	6,527288	6,817148	6,475025	6,5212563	6,606487	0,08523067	1,060857344	---
17318932	6,981771	6,795119	6,436762	7,161511	6,618952	6,688943	6,737884	6,823135333	0,08525133	1,060872541	Ift27
17207889	3,542432	3,214216	3,368701	3,548693	3,458396	3,374212	3,3751163	3,460433667	0,08531733	1,060921075	---
17304792	4,112042	3,766413	4,113462	4,04684	4,269951	3,931139	3,9973057	4,082643333	0,08533767	1,060936027	---
17498251	5,192163	4,915317	4,73553	4,866714	5,037124	5,195212	4,94767	5,033016667	0,08534667	1,060942646	Phlda2
17366918	7,575074	7,506646	7,182665	7,714604	7,359421	7,44644	7,4214617	7,506821667	0,08536	1,060952451	Mir466d // Mir466d
17302686	4,508631	4,560073	4,476442	4,648949	4,685441	4,466845	4,5150487	4,600411667	0,085363	1,060954657	Sox21
17365684	3,351132	3,266084	3,539388	3,567802	3,41744	3,427465	3,3855347	3,470902333	0,08536767	1,060958089	---
17289568	8,194203	8,322195	8,143938	8,311874	8,31464	8,289955	8,220112	8,305489667	0,085377667	1,060965443	Trim23
17415778	8,45387	8,45822	8,113744	8,275253	8,423889	8,582847	8,3419447	8,427329667	0,085385	1,060970836	Alg6
17231754	4,723731	4,549709	4,813293	4,785854	4,815312	4,741737	4,6955777	4,780967667	0,08539	1,060974513	Hivep2
17304848	6,384109	6,681375	6,414811	6,763601	6,354584	6,618332	6,4934317	6,578839	0,08540733	1,06098726	---
17260119	5,909315	6,059098	5,987853	6,07972	6,059008	6,073761	5,985422	6,070829667	0,08540767	1,060987505	Emid1
17397462	7,77217	7,635643	7,626919	7,742878	7,779877	7,768217	7,678244	7,763657333	0,08541333	1,060991673	Rab33b
17326239	3,921972	4,617876	4,154113	4,293013	4,274032	4,383233	4,2313203	4,316759333	0,085439	1,061010549	Mir5118 // Mir5118
17428967	6,784647	7,017395	6,845763	7,10392	6,94571	6,854499	6,8826017	6,968043	0,08544133	1,061012265	Ipo13
17438684	3,701336	3,476201	3,66009	3,748371	3,704273	3,641372	3,6125423	3,698005333	0,085463	1,061028199	Odam
17507258	5,663321	6,014736	6,035683	5,885729	6,116524	5,967879	5,90458	5,990044	0,085464	1,061028935	Ctxn1
17489314	4,48781	4,428979	4,431591	4,567081	4,523535	4,514166	4,44946	4,534927333	0,085467333	1,061031386	Ffar3
17252702	3,885893	3,731004	3,669031	3,921556	3,747735	3,873047	3,761976	3,847446	0,08547	1,061033348	Olfr20
17540376	4,276096	3,936333	3,728759	3,984997	4,208704	4,003912	3,980396	4,065871	0,085475	1,061037025	Drr1 // Drr1
17330963	3,689904	3,500137	3,745949	3,858274	3,647912	3,686277	3,64533	3,730821	0,085491	1,061048792	---
17308455	7,893939	7,34449	7,878695	7,445885	7,922961	8,00481	7,705708	7,791218667	0,08551067	1,061063256	---
17321246	6,442904	6,694846	6,525883	6,454771	6,680786	6,784625	6,5545443	6,640060667	0,08551633	1,061067424	Snora2b
17462954	7,693933	7,69267	7,662242	7,628527	7,866383	7,810517	7,6829483	7,768475667	0,08552733	1,061075514	Gm20141
17200395	4,030727	3,46154	3,655244	3,601144	4,036982	3,76598	3,715837	3,801368667	0,08553167	1,061078701	---
17447144	6,788728	7,075816	6,521567	6,755167	6,858612	7,029158	6,7953703	6,880979	0,08560867	1,061135335	---
17278789	3,109214	3,275756	3,278321	3,192746	3,446408	3,280989	3,221097	3,306714333	0,08561733	1,06114171	Mir882
17325198	11,10957	11,06886	11,03222	11,22091	11,12127	11,12539	11,070217	11,15585667	0,08564	1,061158382	Ptplb
17477274	6,370427	6,415411	6,443901	6,473806	6,377605	6,635259	6,409913	6,495556667	0,08564367	1,061161079	Klk4
17451297	6,973558	7,288773	7,188807	7,282753	7,329618	7,095762	7,1503793	7,236044333	0,085665	1,061176771	Adrbk2
17279724	3,73509	3,769473	4,056278	4,05528	3,895484	3,867213	3,8536137	3,939325667	0,085712	1,061211342	Macc1
17249079	4,064469	4,212688	4,589421	4,353493	4,341444	4,42879	4,2888593	4,374575667	0,08571633	1,06121453	Rasgef1c
17427833	4,767909	4,777887	4,769705	4,887452	5,101894	4,583313	4,7718337	4,857553	0,08571933	1,061216736	Heatr8
17487672	6,08537	6,156153	6,200499	6,21373	6,279932	6,20554	6,1473407	6,233067333	0,08572667	1,061222131	Zfp111
17471166	10,20787	10,31218	10,19829	10,40541	10,34628	10,22383	10,239447	10,32517333	0,08572667	1,061222131	Ndufa9
17210015	3,139539	3,494044	3,627754	3,535062	3,430387	3,553077	3,4204457	3,506175333	0,08572967	1,061224337	---
17366924	3,371363	3,465687	3,222008	3,605603	3,297093	3,413674	3,3530193	3,43879	0,08577067	1,061254497	Mir669m-2 // Mir669m-2
17307184	6,915218	7,074871	6,96714	7,196415	6,855996	7,162152	6,985743	7,071521	0,085778	1,061259891	Lats2
17291146	5,378021	5,026613	5,200342	5,318239	5,193166	5,350915	5,2016587	5,28744	0,08578133	1,061262343	Btn1a1
17401818	4,492018	4,574745	4,503138	4,718437	4,490443	4,618407	4,5233003	4,609095667	0,08579533	1,061272642	4930443G12Rik
17325159	7,619216	7,528611	7,352989	7,640059	7,453532	7,664612	7,500272	7,586067667	0,08579567	1,061272887	Mylk
17316068	5,293	5,293037	5,32937	5,437091	5,416932	5,318837	5,3051357	5,390953333	0,08581767	1,061289071	Pdzd2
17407764	7,923732	7,716683	7,756675	7,870639	7,958308	7,825598	7,79903	7,884848333	0,08581833	1,061289561	Prune
17327264	4,591571	4,694699	4,551127	4,549439	4,711005	4,834423	4,6124657	4,698289	0,08582333	1,061293239	Cbr3
17246980	5,364068	5,373374	5,284738	5,513538	5,516186	5,249939	5,3407267	5,426554333	0,08582767	1,061296427	Ankrd36
17230668	8,480014	8,604342	8,563823	8,645944	8,663889	8,595881	8,549393	8,635238	0,085845	1,061309178	Mia3
17549394	4,920554	5,184724	5,231186	5,108494	5,279193	5,206318	5,1121547	5,198001667	0,085847	1,061310649	---
17328251	8,196928	8,252161	8,00094	8,270906	8,205485	8,231197	8,1500097	8,235862667	0,085853	1,061315063	Parn
17357235	8,506052	8,446453	8,565989	8,344894	8,832336	8,598832	8,5061647	8,592020667	0,085856	1,06131727	---
17494158	4,196688	4,014263	4,179623	4,095148	4,384921	4,168091	4,1301913	4,216053333	0,085862	1,061321684	Olfr589
17278890	4,346961	4,492912	4,445768	4,295127	4,691878	4,556236	4,428547	4,514413667	0,08586667	1,061325117	Dio3
17471324	6,954693	7,079713	6,859032	7,101099	6,9236	7,126357	6,9644793	7,050352	0,08587267	1,061329531	Itfg2
17287486	7,126008	7,488845	7,360073	7,313351	7,449808	7,469419	7,3249753	7,410859333	0,085884	1,061337869	Cdhr2
17532947	6,841228	6,632087	6,74561	6,798257	6,841013	6,837378	6,7396417	6,825549333	0,08590767	1,061355279	Praf2
17516385	6,157755	5,695268	6,284582	5,975077	6,310723	6,109538	6,0458683	6,131779333	0,085911	1,061357732	Bsx
17348902	5,354701	5,094293	5,139688	5,067866	5,623604	5,154966	5,1962273	5,282145333	0,085918	1,061362881	Dtna
17224620	6,362679	6,403183	6,378392	6,474673	6,508384	6,41904	6,381418	6,467365667	0,08594767	1,061384707	Chpf
17427113	5,760505	5,854006	5,923946	5,908914	5,826118	6,061322	5,8461523	5,932118	0,08596567	1,061397949	---
17457783	9,222646	9,071459	9,295436	9,462035	9,048366	9,337097	9,1965137	9,282499333	0,08598567	1,061412664	---
17550200	9,222646	9,071459	9,295436	9,462035	9,048366	9,337097	9,1965137	9,282499333	0,08598567	1,061412664	---
17459447	7,882556	8,008046	8,078974	8,24757	8,052676	7,927375	7,9898587	8,075873667	0,086015	1,061434245	---
17529918	4,983914	4,958374	5,279833	5,284491	5,208864	4,986834	5,0740403	5,160063	0,08602267	1,061439885	Trim42
17495260	4,712125	4,295248	4,698051	4,534389	4,654807	4,774374	4,5684747	4,654523333	0,08604867	1,061459015	---
17286510	3,576183	3,955703	3,849827	3,993996	3,771952	3,873925	3,7939043	3,879957667	0,08605333	1,061462448	Fam50b
17269809	8,287699	8,244591	8,263579	8,226951	8,433426	8,393657	8,2652897	8,351344667	0,086055	1,061463674	Ezh1
17221261	8,738729	9,224858	9,142588	9,244415	8,832959	9,286993	9,0353917	9,121455667	0,086064	1,061470296	---
17487186	7,836121	7,930983	8,067498	8,100151	8,022047	7,970597	7,9448673	8,030931667	0,08606433	1,061470541	Vasp
17201001	7,537766	8,092161	8,121778	7,288596	8,407475	8,313846	7,917235	8,003305667	0,08607067	1,061475201	---
17341333	3,643212	3,423723	3,153819	3,458627	3,505948	3,514415	3,406918	3,492996667	0,08607867	1,061481087	Vmn2r110
17516434	5,890336	5,661075	6,090579	6,048825	5,821731	6,0297	5,8806633	5,966752	0,08608867	1,061488445	D630033O11Rik
17543560	3,625799	3,721315	3,694237	3,760954	3,76422	3,774531	3,6804503	3,766568333	0,086118	1,061510028	---
17476568	7,409157	7,346025	7,592676	7,625806	7,505245	7,475177	7,449286	7,535409333	0,08612333	1,061513952	Lsr // Lsr
17522319	5,395949	5,159845	5,979386	5,642205	5,573971	5,577414	5,5117267	5,597863333	0,08613667	1,061523762	Cspg5
17202561	3,798665	3,395953	3,977805	3,911052	3,758575	3,761239	3,724141	3,810288667	0,08614767	1,061531856	---
17367334	4,772841	4,512021	4,646434	4,676376	4,725415	4,787962	4,6437653	4,729917667	0,08615233	1,06153529	4930426L09Rik
17359960	7,731467	8,666005	7,75392	8,003875	8,194864	8,211183	8,050464	8,136640667	0,08617667	1,061553195	---
17448766	9,750744	9,425611	9,664189	9,637872	9,292755	10,16849	9,6135147	9,699705667	0,086191	1,061563741	---
17323440	5,970215	6,043774	6,141616	6,231554	6,12358	6,059054	6,0518683	6,138062667	0,08619433	1,061566194	Tmem191c
17357413	5,20153	4,339028	3,930818	4,684096	4,972255	4,07363	4,4904587	4,57666033	0,08620167	1,06157159	Gm6445 // Gm6445
17216949	4,920445	4,722495	4,657964	4,824335	5,136528	4,598672	4,766968	4,853178333	0,08621033	1,061577967	Fcamr
17277970	5,001598	5,173219	5,438509	5,263659	5,241523	5,366819	5,204442	5,290667	0,086225	1,061588759	D130020L05Rik
17516243	3,046158	3,044418	3,125493	3,386721	3,049237	3,038956	3,072023	3,158304667	0,08628167	1,061630458	Olfr930
17485520	4,644098	4,385966	4,472088	4,451462	4,335612	4,973966	4,5007173	4,587013333	0,086296	1,061641005	Oscar
17224133	8,671225	8,623852	8,472726	8,635365	8,718435	8,672921	8,5892677	8,675573667	0,086306	1,061648364	Pecr
17306421	9,161607	9,57211	9,49723	9,54629	9,620089	9,323511	9,4103157	9,49663	0,08631433	1,061654496	---
17372954	3,539409	3,369363	3,556046	3,575579	3,655437	3,492761	3,4882727	3,574592333	0,08631967	1,061658421	Olfr1261
17427033	8,812774	8,95354	8,87068	8,905648	8,959523	9,030817	8,878998	8,965329333	0,08633133	1,061667006	Mllt3
17305929	6,216986	6,365985	6,710644	6,276201	6,60063	6,67579	6,431205	6,517540333	0,08633533	1,06166995	Olfr724
17347633	4,594854	4,73016	4,667132	4,716038	4,834039	4,701089	4,6640487	4,750388667	0,08634	1,061673384	Gm19689
17213192	8,17798	8,375503	7,954955	8,266541	8,297267	8,203661	8,1694793	8,255823	0,08634367	1,061676082	Cflar
17515680	4,188637	4,022377	4,499116	4,451253	4,135664	4,382252	4,23671	4,323056333	0,08634633	1,061678045	---
17484802	7,098105	7,147107	7,023449	7,226902	7,103386	7,197494	7,0895537	7,175927333	0,08637367	1,06169816	Phrf1
17357560	7,19004	7,783687	7,132938	7,108752	8,113856	7,14318	7,3688883	7,455262667	0,08637433	1,06169865	---
17506460	6,294998	6,209377	6,325531	6,335007	6,443796	6,310277	6,2766353	6,363026667	0,08639133	1,061711161	Cdh15
17550516	4,663992	3,882427	3,871915	4,525781	4,132703	4,019131	4,1394447	4,225871667	0,086427	1,061737409	---
17494596	10,74138	10,65935	10,65539	10,72896	10,79774	10,78872	10,685373	10,77180667	0,08643333	1,06174207	Tpp1
17425301	10,19599	10,17167	10,26572	10,29101	10,37553	10,22619	10,211127	10,29757667	0,08645	1,061754336	Abca1
17311070	5,226258	5,135101	4,92196	5,184293	5,138049	5,220351	5,0944397	5,180897667	0,086458	1,061760223	Spag1
17457960	4,177121	3,865645	4,240509	4,284958	4,003211	4,25449	4,094425	4,180886333	0,08646133	1,061762677	Tas2r143
17229891	5,238069	4,813997	4,98807	5,051747	5,273738	4,974071	5,0133787	5,099852	0,08647333	1,061771508	Atp1a2
17209183	8,841856	8,219379	8,612721	8,712351	8,666652	8,554502	8,5579853	8,644501667	0,08651633	1,061803155	---
17332338	9,085644	9,355032	9,239088	9,39308	9,247	9,299257	9,226588	9,313112333	0,08652433	1,061809043	---
17510772	7,559863	7,327847	7,130639	7,315095	7,51803	7,444803	7,3394497	7,425976	0,08652633	1,061810515	Hhip
17491273	5,379082	5,632774	5,724836	5,60837	5,809775	5,578126	5,5788973	5,665423667	0,08652633	1,061810515	C86187

17491716	3,868822	3,601665	3,389659	3,940404	3,573574	3,605777	3,6200487	3,706585	0,08653633	1,061817875	Mir344e
17496164	7,182795	7,257626	7,347914	7,445572	7,438056	7,164326	7,2627783	7,349318	0,08653967	1,061820328	Spns1
17464713	7,749769	8,637609	8,27421	8,140302	8,387052	8,393974	8,2205293	8,307109333	0,08658	1,061850014	---
17421821	7,074834	6,960443	7,203663	7,061729	7,204566	7,232403	7,0796467	7,166232667	0,086586	1,06185443	Ctnnbip1
17360022	6,998997	7,019599	6,902539	6,942083	7,055012	7,183874	6,9737117	7,060323	0,08661133	1,061873076	Sufu
17369841	7,77073	7,907343	7,619199	7,851446	7,76139	7,944308	7,7657573	7,852381333	0,086624	1,061882399	Fam102a
17236474	3,184281	3,340138	3,13435	3,409946	3,109411	3,399346	3,2195897	3,306234333	0,08664467	1,061897611	---
17224813	8,171809	8,133007	8,038479	8,056712	8,364721	8,181912	8,1144317	8,201115	0,08668333	1,061926072	Dock10
17249176	9,606563	9,607334	9,557503	9,658924	9,725509	9,647046	9,5904667	9,677159667	0,086693	1,061933187	Hnrnph1
17379838	5,31559	5,054722	5,077429	5,295328	5,314867	5,097653	5,149247	5,235949333	0,08670233	1,061940057	---
17223169	7,790005	7,786388	7,633153	7,796282	7,959411	7,714052	7,7365153	7,823248333	0,086733	1,061962631	Ankrd44
17362031	6,626515	6,358867	6,565957	6,544656	6,678144	6,58874	6,517113	6,603846667	0,08673367	1,061963121	Slc22a12
17400699	6,76938	6,699089	6,716589	6,758954	6,758954	6,927382	6,7283527	6,815096667	0,086744	1,061970728	Pias3
17354629	8,371986	8,447145	8,415358	8,509851	8,427789	8,557112	8,4114963	8,498250667	0,08675433	1,061978334	Ndst1
17297121	10,6624	10,92294	10,92031	10,81919	10,86879	11,07795	10,835217	10,92197667	0,08676	1,061982505	---
17333567	8,292831	8,442809	8,462693	8,475169	8,44875	8,534826	8,3994443	8,486248333	0,086804	1,062014895	Tbp
17242474	9,540598	9,432042	9,445642	9,444167	9,7018	9,532753	9,4727607	9,559573333	0,08681267	1,062021275	Agpat3
17485910	4,735691	4,771784	4,95828	5,130235	4,936786	4,659238	4,8219183	4,908753	0,08683467	1,06203747	Fam71e2
17334803	9,662202	9,516947	9,522614	9,810815	9,578856	9,572643	9,5672543	9,654104667	0,08685033	1,062049003	Jmjd8
17437213	8,34618	8,589959	8,244077	8,501691	8,48781	8,451295	8,3934053	8,480265333	0,08686	1,062056119	Cd38
17367276	6,116964	6,280136	5,76645	6,103122	6,186911	6,134101	6,0545167	6,141378	0,08686133	1,0620571	---
17202071	4,505038	5,097444	4,37011	5,422277	3,822597	4,988307	4,6575307	4,744393667	0,086863	1,062058327	---
17324378	9,925833	10,1252	10,08535	10,10234	10,14888	10,14578	10,045461	10,13233333	0,08687233	1,062065198	Eif4a2
17314162	8,718382	8,509082	9,316164	8,729393	8,887076	9,18779	8,847876	8,934753	0,086877	1,062068634	---
17324693	8,295486	8,406651	8,249612	8,45336	8,434024	8,325028	8,3172497	8,404137333	0,08688767	1,062076486	---
17448805	9,833451	10,00495	9,332086	9,680104	9,853864	9,897248	9,7234957	9,810405333	0,08690967	1,062092682	---
17202343	6,300289	5,654227	6,020448	6,808329	5,598812	5,82866	5,9916547	6,078600333	0,08694567	1,062119185	---
17544878	8,991584	8,648226	8,665162	8,751617	8,83396	8,980235	8,768324	8,855270667	0,08694667	1,062119921	Morc4
17499703	3,158681	2,876207	2,960948	3,228192	3,137384	2,891118	2,998612	3,085564667	0,08695267	1,062124339	Defb48-ps
17399386	9,244512	9,196009	9,093513	9,286732	9,272285	9,23588	9,1780113	9,264965667	0,08695433	1,062125566	Krtcap2
17234606	4,229443	4,130399	4,238588	4,448266	4,19179	4,21927	4,1994767	4,286442	0,08696533	1,062133664	Gm10787 // Gm10787
17353980	4,721302	4,358644	4,564161	4,66604	4,585723	4,653272	4,5480357	4,635011667	0,086976	1,062141517	Arhgap26
17207257	5,531094	6,439137	5,974804	5,64717	6,329232	6,229576	5,9816783	6,068659333	0,086981	1,062145198	---
17259929	7,539686	7,260545	7,46308	7,306494	7,732105	7,485678	7,4211037	7,508092333	0,08698867	1,062150843	Mtfp1
17421006	5,762426	5,723423	5,680168	5,685508	5,714115	6,027385	5,7220057	5,809002667	0,086997	1,062156978	Arhgef19
17272519	8,197543	8,306637	8,245897	8,348515	8,297866	8,364763	8,2500257	8,337048	0,08702233	1,062175629	Jmjd6
17363141	2,956427	3,114699	3,114608	3,307102	3,131353	3,008365	3,0619113	3,14894	0,08702867	1,062180292	Olfr1458
17433328	6,954449	6,95801	6,814318	7,080749	6,966497	6,940673	6,9089257	6,995973	0,08704733	1,062194035	Per3
17208553	6,95885	7,255331	7,128567	7,218125	7,084822	7,300977	7,1142493	7,201308	0,08705867	1,06220238	---
17422266	4,781644	4,642015	4,770967	5,063231	4,631571	4,761056	4,731542	4,818619333	0,08707733	1,062216123	---
17301796	7,347641	7,342889	7,289474	7,300933	7,407289	7,533049	7,326668	7,413757	0,087089	1,062224713	Nudt18
17501367	7,771471	7,761131	7,68423	7,743012	7,904026	7,831119	7,738944	7,826052333	0,08710833	1,062238948	Nek1
17316169	3,341502	3,400217	3,365399	3,475071	3,484581	3,408851	3,3690393	3,456167667	0,08712833	1,062253674	---
17394965	4,954361	4,999688	4,968756	4,991466	5,088692	5,10406	4,9742683	5,061406	0,08713767	1,062260546	Cyp24a1
17274496	8,130284	7,986585	7,939856	8,006273	8,190479	8,121389	8,0189083	8,106047	0,08713867	1,062261282	Taf1b
17515687	7,149607	7,184103	7,169008	7,281823	7,209656	7,27271	7,1675727	7,254729667	0,087157	1,062274781	Snx19
17295877	10,66989	10,54114	10,51896	10,60406	10,76051	10,62692	10,576663	10,66383	0,08716667	1,062281899	Erbb2ip
17236393	4,415528	4,514115	4,492754	4,522318	4,610844	4,550776	4,4741323	4,561312667	0,08718033	1,062291962	Slc5a8
17342029	7,488166	7,88638	7,626438	7,568922	7,862673	7,830988	7,6669947	7,754194333	0,08719967	1,062306198	Ndufb10
17207829	5,543422	5,385748	5,142005	5,97083	5,023206	5,338743	5,3570583	5,444259667	0,08720133	1,062307425	---
17200921	5,212489	5,608875	4,946404	5,590311	4,658802	5,780306	5,2559227	5,343139667	0,087217	1,062318961	---
17473338	6,145785	6,089277	6,092761	6,06759	6,446783	6,075142	6,1092743	6,196505	0,08723067	1,062329024	6030429G01Rik
17262596	3,916829	3,457243	4,010108	4,028834	3,441212	4,175912	3,7947267	3,881986	0,08725933	1,062350133	Olfr1372-ps1
17364474	9,467199	9,511302	9,346882	9,432611	9,511597	9,642969	9,4417943	9,529059	0,08726467	1,062354061	Pdlim1
17511630	5,579715	5,402064	5,577107	5,560952	5,704178	5,555567	5,5196287	5,606899	0,08727033	1,062358233	4933436C20Rik
17396750	8,391551	8,538831	8,491541	8,412887	8,666173	8,604814	8,4739743	8,561291333	0,087317	1,062392598	Ndufb5
17506631	5,074142	5,457912	5,238602	4,962761	5,592974	5,47689	5,2568853	5,344208333	0,087323	1,062397016	Tubb3
17380666	7,310853	7,226911	7,198435	7,333305	7,325051	7,339815	7,2453997	7,332723667	0,087324	1,062397753	Lsm14b
17392832	6,889986	6,577496	6,80682	6,883469	6,85675	6,796062	6,7581007	6,845427	0,08732633	1,062399471	Snph
17528348	3,569544	3,364452	3,291463	3,529792	3,144769	3,812885	3,4084863	3,495815333	0,087329	1,062401435	---
17445539	4,423702	4,014048	4,344295	4,609024	4,241126	4,193956	4,2606817	4,348035333	0,08735367	1,062419599	Gm5106
17438832	8,664256	8,959487	8,30155	8,540538	8,88875	8,758066	8,6417643	8,729118	0,08735367	1,062419599	Slc4a4
17485706	4,295461	4,517654	4,378311	4,481833	4,517822	4,453879	4,397142	4,484511333	0,08736933	1,062431137	Cdc42ep5
17423392	3,814303	3,909568	4,00116	3,930414	4,214527	3,842212	3,9083437	3,995717667	0,087374	1,062434573	1700120G11Rik
17478862	4,029546	4,682525	4,959119	4,990897	4,357885	4,584628	4,5570633	4,64447	0,08740667	1,06245863	Mir211
17246088	6,824987	6,735529	7,013596	6,699848	7,272258	6,864229	6,8580373	6,945445	0,08740767	1,062459366	Mip
17308464	10,99919	11,34072	11,17255	10,9294	11,31804	11,52732	11,17082	11,25825333	0,08743333	1,062478269	---
17284390	9,473351	9,190348	9,47168	9,657566	9,338708	9,401413	9,3784597	9,465895667	0,087436	1,062480232	---
17215427	8,224886	8,110379	7,991289	8,21234	8,158392	8,218154	8,1088513	8,196295333	0,087444	1,062486124	---
17240045	7,928367	7,874142	7,656014	7,827324	7,929009	7,96455	7,8195077	7,906961	0,08745333	1,062492998	Hint3
17328484	10,05912	10,11517	9,879974	10,12248	10,06461	10,12958	10,018088	10,10555667	0,08746867	1,06250429	Dnm1l
17405021	7,056111	7,213213	7,09572	7,108927	7,251002	7,267526	7,1216813	7,209151667	0,08747033	1,062505518	Sclt1
17532264	5,748085	5,686255	5,82395	5,905838	5,743888	5,871191	5,7527633	5,840305667	0,08754233	1,062558545	Xirp1
17504780	4,400635	4,023641	4,065597	4,162683	4,274988	4,314833	4,163291	4,250834667	0,08754367	1,062559527	Plekhg4
17206825	3,111153	3,248648	4,059633	3,461493	3,894523	3,326095	3,4731447	3,560703667	0,087559	1,06257082	---
17202993	5,424171	5,185886	4,391082	5,519994	4,455105	5,288881	5,0003797	5,087993333	0,08761367	1,062611084	---
17511584	4,858328	4,722889	4,523133	4,770398	4,813377	4,783478	4,70145	4,789084333	0,08763433	1,062626306	---
17385684	8,338617	8,372663	8,321177	8,477352	8,413601	8,404421	8,3441523	8,431791333	0,087639	1,062629743	Rbms1
17507490	8,878973	8,792869	8,874009	8,869855	8,997821	8,94113	8,848617	8,936268667	0,08765167	1,062639073	Tubgcp3
17545904	6,90314	6,893061	6,654569	7,115949	6,758877	6,83902	6,8169233	6,904615333	0,087692	1,062668782	---
17321883	5,060481	5,015586	5,378494	5,270547	5,277037	5,170114	5,1515203	5,239232667	0,08771233	1,062683759	Krt82
17314682	4,942565	4,752242	4,694357	4,787381	4,979834	4,885101	4,796388	4,884105333	0,08771733	1,062687442	Tuba1a // Tuba1a
17232525	5,513689	5,584521	5,763428	5,84654	5,605408	5,67286	5,620546	5,708269333	0,08772333	1,062691862	Tspyl4
17382885	4,493225	4,222278	4,262875	4,351851	4,393069	4,496632	4,326126	4,413850667	0,08772467	1,062692844	C030048H21Rik
17334538	4,070055	3,961189	4,0238	4,195672	4,041043	4,081552	4,018348	4,106089	0,087741	1,062704875	Ptx4
17355617	4,943341	4,852897	4,580497	4,632762	5,102611	4,9046	4,792245	4,879991	0,087746	1,062708558	---
17548396	4,471958	4,250957	4,746797	4,345858	4,684037	4,703063	4,489904	4,577652667	0,08774867	1,062710522	Gm19862
17434681	3,387321	3,269578	3,188031	3,530629	3,231089	3,346478	3,2816433	3,369398667	0,08775533	1,062715433	Speer1-ps1
17226361	6,255476	5,449359	5,765502	5,939314	6,03264	5,761757	5,8234457	5,911237	0,08779133	1,062741952	---
17291241	6,499521	6,572533	6,623044	6,331592	6,67622	6,95081	6,5650327	6,652874	0,08784133	1,062778784	Slc17a4
17355794	6,199327	6,290549	6,146256	6,120636	6,443138	6,335898	6,212044	6,299890667	0,08784667	1,062782713	Zfp407
17527735	7,563012	7,524387	7,361742	7,467297	7,651078	7,594337	7,483047	7,570904	0,087857	1,062790325	Neo1
17383345	5,309433	5,385678	5,249837	5,263532	5,491482	5,453538	5,3149827	5,402850667	0,087868	1,062798429	---
17473423	5,588342	5,601556	5,875097	5,822652	5,814459	5,691488	5,6883317	5,776199667	0,087868	1,062798429	A430110N23Rik
17270106	10,1915	9,949615	10,18697	10,36635	10,16263	10,06275	10,109362	10,19724333	0,08788167	1,062808497	---
17538750	9,083094	8,937438	8,847648	8,948917	9,064352	9,118565	8,95606	9,043944667	0,08788467	1,062810707	---
17230463	5,332307	5,299275	5,17978	5,262054	5,386954	5,426021	5,270454	5,358343	0,087889	1,062813899	Mixl1
17403731	4,206532	4,14709	4,589645	4,434639	4,550598	4,221725	4,3144223	4,402320667	0,08789833	1,062820775	---
17547821	6,002605	5,599543	5,793372	6,144032	5,978004	5,537193	5,7985067	5,886409667	0,087903	1,062824213	Gm19703
17495207	5,461343	5,386497	5,369226	5,522476	5,381531	5,576775	5,4056887	5,493594	0,08790533	1,062825932	2310014F06Rik
17362753	5,660711	5,339714	5,685868	5,548166	5,753199	5,648661	5,5620977	5,650008667	0,087911	1,062830106	Cd5
17356811	6,825339	7,023173	6,98626	7,111975	6,992873	6,993659	6,944924	7,032835667	0,08791167	1,062830597	Map4k2
17218765	7,368319	7,569472	7,275074	7,408273	7,560532	7,507825	7,4042883	7,49221	0,08792167	1,062837964	Kifap3
17232332	8,632204	8,405653	8,421647	8,53089	8,714053	8,478372	8,4865013	8,574438333	0,087937	1,062849261	Arhgap18
17217291	6,987541	6,692708	7,066556	7,066556	7,038558	6,905577	6,9156017	7,003563667	0,087962	1,062867678	Plekha6
17508045	7,594324	7,710693	7,638648	7,650563	7,697947	7,859161	7,6478883	7,735890333	0,088002	1,062897148	AI316807
17463609	5,21463	5,313741	5,231116	5,134526	5,495871	5,39311	5,2531623	5,341169	0,08800667	1,062900586	---
17342004	5,227592	5,929744	4,612758	5,079743	5,564969	5,389442	5,256698	5,344718	0,08802	1,062910409	---
17303111	5,996488	6,031228	5,840714	6,061202	5,941858	6,12948	5,9561433	6,04418	0,08803667	1,062922689	4930555G01Rik
17221786	6,230857	6,078972	5,899036	6,070985	6,100318	6,301749	6,0696217	6,157684	0,08806233	1,062941599	1110058L19Rik
17253096	8,90105	8,94458	8,884014	8,978957	9,055342	8,959539	8,9098813	8,997946	0,08806467	1,062943318	Crk
17316502	5,646877	5,350205	5,803999	5,480971	5,844594	5,739742	5,6003603	5,688435667	0,08807533	1,062951177	Snx31
17263459	5,8979	5,702918	5,780939	5,985754	5,878188	5,782066	5,793919	5,882002667	0,08808367	1,062957317	Pld6
17521428	6,357684	6,568814	6,435521	6,56436	6,550433	6,511546	6,4540063	6,542113	0,08810667	1,062974263	Hyal1
17455726	2,822992	3,047993	2,864627	3,210678	2,894175	2,895127	2,9118707	2,999933333	0,08812267	1,062986052	LOC100039010
17205217	4,545274	4,891705	4,233779	4,972106	4,241584	4,721458	4,5569193	4,645049333	0,08813	1,062991455	---
17209407	4,545274	4,891705	4,233779	4,972106	4,241584	4,721458	4,5569193	4,645049333	0,08813	1,062991455	---
17448987	3,845174	3,810859	3,834375	4,025758	3,826063	3,90301	3,830136	3,918277	0,088141	1,06299956	Pdcl2
17358559	8,465034	8,653494	8,581159	8,892762	8,589063	8,482298	8,5665623	8,654707667	0,08814533	1,063002753	C030046E11Rik
17351027	7,479757	7,715064	7,479852	7,712052	7,763102	7,463991	7,5582243	7,646381667	0,08815733	1,063011595	Pdgfrb
17317593	5,360829	5,455849	5,610774	5,443264	5,66297	5,585699	5,4758173	5,563977667	0,08816033	1,063013805	Kcnq3
17352693	3,336522	3,60429	3,582732	3,597993	3,609405	3,580643	3,507848	3,596013667	0,08816567	1,063017735	Mir133a-1
17529844	7,267699	7,173581	7,488998	7,297494	7,467705	7,429593	7,3100927	7,398264	0,08817133	1,063021911	Zbtb38
17329617	4,585284	4,752224	4,64596	4,791148	4,699245	4,757646	4,661156	4,749346333	0,08819033	1,06303591	9030404E10Rik
17512511	9,485796	9,396895	9,378906	9,315958	9,49556	9,714662	9,4205323	9,508726667	0,08819433	1,063038858	Ranbp10
17436246	4,207487	4,444651	4,47017	4,471988	4,555737	4,359168	4,3741027	4,462297667	0,088195	1,063039349	Plb1
17493822	13,45493	13,43727	13,39627	13,4721	13,49049	13,59056	13,42949	13,51771667	0,08822667	1,063062683	---
17256870	6,215427	5,958712	6,049582	6,265815	6,172366	6,050234	6,0745737	6,162805	0,08823133	1,063066121	Cd300lg
17457462	6,816196	6,775686	6,892901	6,97241	6,84217	6,934897	6,828261	6,916492333	0,08823133	1,063066121	---
17532023	3,950367	4,137466	4,098758	4,171421	4,227854	4,052044	4,062197	4,150439667	0,08824267	1,063074472	Zcwpw2
17202821	5,663699	4,828936	5,212687	5,306527	5,463278	5,200261	5,2351073	5,323355333	0,088248	1,063078402	---
17205009	9,705248	9,495966	9,348524	9,690229	9,299539	9,824734	9,5165793	9,604834	0,08825467	1,063083315	---
17305709	6,495131	6,347424	6,239771	6,620073	6,116246	6,61078	6,3607753	6,449033	0,08825767	1,063085525	Bmp4
17206093	5,939254	6,034907	6,006326	6,092411	5,527577	6,625297	5,9934957	6,081761667	0,088266	1,063091666	---

17450952	6,300404	6,239748	6,49426	6,612348	6,266226	6,420648	6,344804	6,433074	0,08827	1,063094614	Plcxd1 // Plcxd1
17370076	4,350299	3,928551	4,183137	4,188165	4,188883	4,34975	4,1539957	4,242266	0,08827033	1,063094859	---
17506398	7,833659	8,093023	7,806456	8,14683	7,783638	8,067599	7,911046	7,999355667	0,08830967	1,063123844	9330133O14Rik
17307074	6,696112	6,821458	6,996484	6,813432	7,120646	6,844905	6,838018	6,926327667	0,08830967	1,063123844	Gm16973
17236498	2,74939	2,963304	2,693143	3,042015	2,912399	2,716444	2,8019457	2,890286	0,08834033	1,063146442	---
17358498	6,485894	6,543461	6,331542	6,592278	6,57747	6,456209	6,4536323	6,541985667	0,08835333	1,063156022	Ak3
17329872	5,271432	5,256453	5,515554	5,62332	5,439749	5,245531	5,347813	5,4362	0,088387	1,063180832	Gm933
17313418	5,695759	5,691564	5,343229	5,745408	5,745467	5,5049	5,5768507	5,665258333	0,08840767	1,063196062	Csdc2
17343449	9,304321	9,79889	9,253781	9,407706	9,573908	9,640646	9,4523307	9,540753333	0,08842267	1,063207117	Pglyrp2
17474809	3,691056	4,03798	3,965921	3,905551	3,910397	4,144326	3,898319	3,986758	0,088439	1,063219154	Nlrp4e
17524156	9,397521	9,360733	9,248055	9,434493	9,474194	9,36301	9,3354363	9,423899	0,08846267	1,063236596	4931406C07Rik
17540982	6,643239	6,679747	6,859266	6,792661	6,816291	6,838737	6,7274173	6,815896333	0,088479	1,063248633	Sept6
17332084	7,967211	8,001424	7,996379	8,178888	8,002438	8,049144	7,988338	8,076823333	0,08848533	1,063253301	Gcfc1
17525224	5,902481	5,896022	5,895017	6,083204	5,916625	5,959194	5,89784	5,986341	0,088501	1,063264847	Adamts15
17525599	8,085855	8,192235	8,063406	8,385386	8,08922	8,132435	8,113832	8,202347	0,088515	1,063275165	Ccdc15
17403340	7,188922	7,630466	7,524635	7,657025	7,510357	7,442218	7,4480077	7,536533333	0,08852567	1,063283026	Odf2l
17303290	6,381521	6,336734	6,035785	6,392241	6,44538	6,182031	6,2513467	6,339884	0,08853733	1,063291625	4930555G01Rik
17316956	5,721008	5,752919	5,794703	5,908494	5,876944	5,748811	5,75621	5,844749667	0,08853967	1,063293344	Trps1
17242773	8,183361	8,137264	8,119616	8,265327	8,260962	8,179576	8,146747	8,235288333	0,08854133	1,063294573	Polr2e
17370277	5,22226	5,104921	5,217167	5,246412	5,295695	5,267876	5,1814493	5,269994333	0,088545	1,063297275	Morn5
17463401	7,773445	7,84412	7,733242	7,836417	7,945073	7,83498	7,7836023	7,872156667	0,08855433	1,063304154	Foxm1
17550380	3,939771	3,919885	4,173151	4,329596	4,112525	3,856375	4,0109357	4,099498667	0,088563	1,063310542	---
17421850	5,000932	4,748507	5,073342	4,967566	5,106519	5,014394	4,940927	5,029493	0,088566	1,063312753	---
17346175	8,624968	8,823781	8,766912	8,873357	8,890862	8,717172	8,7385537	8,827130333	0,08857667	1,063320614	D17Wsu104e
17246904	8,720751	8,861128	8,919772	8,910484	9,122931	8,733984	8,8338837	8,922466333	0,08858267	1,063325037	Ap1b1
17280528	4,265906	4,29332	4,028709	4,0045	4,743101	4,106086	4,1959783	4,284562333	0,088584	1,063326019	---
17357234	6,668104	7,102917	5,995027	6,605556	6,110347	7,3159	6,5886827	6,677267667	0,088585	1,063326756	---
17487643	8,11754	7,935653	7,828668	8,245667	7,922443	7,979639	7,9606203	8,049249667	0,08862933	1,063359433	Vmn1r159
17276396	7,198527	7,360259	7,171517	7,342341	7,363748	7,290102	7,2434343	7,332063667	0,08862933	1,063359433	Syne2
17253830	3,096984	3,152203	2,875727	3,212847	2,997926	3,180156	3,041638	3,130309667	0,08867167	1,063390635	---
17365493	6,881742	6,933766	6,882592	6,984872	7,100372	6,87888	6,8993667	6,988041333	0,08867467	1,063392847	Obfc1
17260625	5,070051	5,220506	5,028445	4,950052	5,327131	5,307859	5,106334	5,195014	0,08868	1,063396778	---
17524930	9,278344	9,470195	9,521653	9,506089	9,625377	9,40482	9,4233973	9,512095333	0,088698	1,063410045	Acp5
17401331	5,179185	5,450871	5,278697	5,302014	5,648762	5,224154	5,3029177	5,391643333	0,08872567	1,063430439	---
17491199	11,0069	11,09252	10,6804	11,20623	10,68643	11,15335	10,926607	11,01533667	0,08873	1,063433633	Saa4
17346043	7,056852	7,211401	6,915638	7,09602	7,31366	7,04041	7,061297	7,15003	0,088733	1,063435844	Pot1b
17382574	5,054191	5,286231	5,37077	5,274192	5,411383	5,291824	5,237064	5,325799667	0,08873567	1,06343781	BC029214
17383246	4,889126	4,405664	4,430583	4,608953	4,775939	4,60678	4,5751243	4,663890667	0,08876633	1,063460415	6430548G04
17415922	6,473564	6,392759	6,404207	6,42352	6,569858	6,543503	6,42351	6,512293667	0,08878367	1,063473192	0610043K17Rik // 0610043K17Rik
17429858	9,070517	9,086348	8,931911	9,150081	9,167903	9,037235	9,029592	9,118406333	0,08881433	1,063495798	Utp11l
17510013	7,749123	7,788337	7,885321	7,966221	7,832484	7,890543	7,8075937	7,896416	0,08882233	1,063501695	Upf1
17217487	8,302295	8,251058	8,298284	8,262013	8,468565	8,387527	8,283879	8,372701667	0,08882267	1,063501941	Rabif
17245334	8,514288	8,414054	8,2965	8,42063	8,478361	8,592321	8,4082807	8,497104	0,08882333	1,063502433	Dyrk2
17547742	5,063959	4,98632	4,916632	5,171589	5,000022	5,061779	4,9889703	5,077796667	0,08882633	1,063504644	Gm19663
17437129	7,674435	7,332823	7,365314	7,399656	7,863751	7,375706	7,457524	7,546371	0,088847	1,063519879	Cpeb2
17444117	6,588993	6,418551	6,54692	6,62803	6,5676	6,625391	6,5181547	6,607007	0,08885233	1,063523811	Baat1
17535233	4,118564	3,737434	4,094419	4,03972	4,150764	4,026495	3,9834723	4,072326333	0,088854	1,063525039	Fmr1nb
17493167	3,935422	3,910546	4,219064	4,17693	3,998434	4,156294	4,0216773	4,110552667	0,08887533	1,063540766	Tyr
17410606	3,850996	3,823898	3,852416	3,926836	3,895177	3,971924	3,8424367	3,931312333	0,08887567	1,063541012	Gm4861
17257798	4,623074	4,261171	4,637825	4,803225	4,317717	4,66776	4,5073567	4,596234	0,08887733	1,06354224	Gm11669
17391899	4,79305	4,823871	4,931568	5,001099	4,94524	4,868832	4,8494963	4,938390333	0,088894	1,063554527	Adra1d
17550364	6,535492	6,651818	6,576083	6,697877	6,685793	6,646452	6,5877977	6,676707333	0,08890967	1,063566076	---
17503708	7,669738	7,669707	7,555447	7,657564	7,751896	7,752168	7,6316307	7,720542667	0,088912	1,063567797	Chd9
17275976	6,418648	5,716126	5,978326	6,454654	5,538906	6,386313	6,0377	6,126624333	0,08892433	1,063576889	Gm3086
17479736	8,646279	8,610247	8,80009	8,752819	8,929895	8,640762	8,6855387	8,774492	0,08895333	1,063598268	Tm6sf1
17367876	7,59428	7,450811	7,69098	7,62228	7,825755	7,55496	7,5786903	7,667665	0,08897467	1,063613996	Tmem203
17510257	4,648303	4,66083	4,579069	4,658139	4,780519	4,716518	4,6294007	4,718392	0,08899133	1,063626283	1700026F02Rik
17494818	4,694582	4,618368	4,769782	4,747622	4,851834	4,750292	4,694244	4,783249333	0,08900533	1,063636605	Olfr518
17228958	4,229283	4,001812	4,357786	4,286007	4,470387	4,099517	4,1962937	4,285303667	0,08901	1,063640045	---
17315715	5,302302	5,155157	5,548775	5,292708	5,502592	5,477976	5,3354113	5,424425333	0,089014	1,063642994	Ttc33
17250264	4,648141	4,262197	4,589538	4,624548	4,907666	4,23472	4,4999587	4,588978	0,08901933	1,063646927	Olfr225
17486374	6,793334	6,343442	5,415382	6,314996	6,377159	6,12708	6,1840527	6,273078333	0,08902567	1,063651596	Vmn2r34
17415333	6,72436	6,300577	6,561046	6,657298	6,574592	6,621194	6,528661	6,617694667	0,08903367	1,063657494	Gm13288 // Gm13288
17209071	6,07577	5,916391	6,022442	6,078588	6,157507	6,045667	6,0048677	6,093920667	0,089053	1,063671748	---
17276257	5,052545	5,175511	5,235501	5,167042	5,37408	5,18963	5,154519	5,243584	0,089065	1,063680595	Six6
17244973	3,895737	4,03555	3,998057	3,944316	4,152394	4,099895	3,976448	4,065535	0,089087	1,063696816	Trhde
17499035	4,584395	4,587083	4,436765	4,614841	4,614317	4,646348	4,536081	4,625168667	0,08908767	1,063697307	1700128E19Rik
17300303	5,331954	5,483428	5,674741	5,540849	5,811148	5,405437	5,4967077	5,585811333	0,08910367	1,063709104	Rem2
17392965	4,943632	4,727096	4,830258	5,023583	4,9511	4,793631	4,833662	4,922771333	0,08910933	1,063713282	---
17202133	4,641322	4,266356	5,293684	5,065141	5,075859	4,327706	4,7337873	4,822902	0,08911467	1,063717215	---
17200955	7,914017	7,635017	8,383799	8,283973	8,064148	7,852119	7,977611	8,066746667	0,08913567	1,063732698	---
17286780	3,651747	3,449367	3,568325	3,758559	3,655618	3,52268	3,5564797	3,645619	0,08913933	1,063735402	Gm19310
17329819	7,415065	7,419781	7,299911	7,462198	7,612559	7,32745	7,3782523	7,467402333	0,08915	1,063743267	Lrrc33
17493730	7,687994	7,713816	7,645844	7,807754	7,791906	7,715504	7,6825513	7,771721333	0,08917	1,063758013	Rnf169
17406383	8,568107	8,715908	8,338742	8,685482	8,674389	8,530404	8,540919	8,630091667	0,08917267	1,06375998	Arfip1
17508735	6,904725	7,274605	6,770734	7,056384	7,125711	7,03551	6,9833547	7,072535	0,08918033	1,063765633	Tnks
17527727	6,440035	6,343174	6,620368	6,426959	6,687626	6,556545	6,467859	6,557043333	0,08918433	1,063768582	2410076I21Rik
17312295	7,524118	7,694707	7,688233	7,691638	7,679669	7,803366	7,635686	7,724891	0,089205	1,063783821	Zfp623
17212619	3,31074	3,117419	2,737343	3,053199	3,331752	3,0483	3,0551673	3,144417	0,08924967	1,063816757	---
17355783	6,289269	6,142446	6,072742	6,215419	6,300893	6,256012	6,1681523	6,257441333	0,089289	1,063845761	4921531P14Rik
17273152	7,839802	7,886032	7,96213	8,129157	7,93417	7,892522	7,895988	7,985283	0,089295	1,063850185	Fam195b
17432509	3,413515	3,238902	3,047794	3,365126	3,355725	3,247264	3,2334037	3,322705	0,08930133	1,063854855	Pramef17
17292996	4,088382	4,343918	4,420692	4,309248	4,616335	4,195326	4,2843307	4,373636333	0,08930567	1,063858051	4930550C17Rik
17514243	8,419869	8,353976	8,318231	8,416368	8,50656	8,437101	8,3640253	8,453343	0,08931767	1,0638669	Irf2bp2
17490041	4,52901	4,486918	4,34898	4,881798	4,503191	4,247956	4,4549693	4,544315	0,08934567	1,063887548	Vmn2r-ps60
17480788	8,627248	8,626142	8,411266	8,605303	8,644142	8,68325	8,5548853	8,644231667	0,08934633	1,063888039	Fchsd2
17245237	9,250118	9,236222	9,198632	9,30839	9,305152	9,339527	9,228324	9,317689667	0,08936567	1,063902296	Cpsf6
17533328	6,663551	6,647896	6,485141	6,563787	6,778652	6,722263	6,5988627	6,688234	0,08937133	1,063906475	Gm14475 // Gm14478 // Gm14482 // Gı
17468933	7,577518	7,477886	7,50993	7,578681	7,590001	7,66478	7,521778	7,611154	0,089376	1,063909917	Iqsec1
17250307	6,413497	6,71564	6,732957	6,54154	6,80635	6,782393	6,620698	6,710094333	0,08939633	1,063924911	Nt5m
17413075	5,555337	5,3284	7,454215	8,063301	5,218812	5,324044	6,1126507	6,202052333	0,08940167	1,063928844	Gm3893 // Gm3893
17485428	4,933107	5,317055	4,727438	5,15081	5,181594	4,913437	4,9925333	5,081947	0,08941367	1,063937694	---
17412979	6,662012	6,311157	7,01678	7,282312	6,432612	6,543305	6,6633163	6,752743	0,08942667	1,063947281	Ccl27a
17244937	3,724288	3,591712	3,83375	4,099366	3,640671	3,678009	3,7165833	3,806015333	0,089432	1,063951214	4933440J02Rik
17258007	5,058134	4,720227	4,721928	4,774479	5,057872	4,936252	4,8334297	4,922867667	0,089438	1,063955639	1700092K14Rik
17203491	3,105647	2,674052	2,939525	2,738905	2,939525	3,309126	2,906408	2,995852	0,089444	1,063960064	---
17521390	4,994003	4,743085	4,783722	5,009209	4,682459	5,097476	4,84027	4,929714667	0,08944467	1,063960556	Zmynd10
17493298	8,389933	8,425621	8,217576	8,258258	8,396828	8,646391	8,3443767	8,433825667	0,089449	1,063963751	Tmem126b
17203719	6,548138	6,234743	6,998939	6,237771	6,981336	6,831061	6,59394	6,683389333	0,08944933	1,063963997	---
17538781	9,640586	9,854902	9,908926	9,991553	9,994385	9,686831	9,8014713	9,890923	0,08945167	1,063965718	---
17205063	3,411069	3,384936	3,604346	3,539805	3,920936	3,208	3,4667837	3,556247	0,08946333	1,063974322	---
17209253	3,411069	3,384936	3,604346	3,539805	3,920936	3,208	3,4667837	3,556247	0,08946333	1,063974322	---
17216201	6,841649	6,788587	6,582153	6,783154	7,216807	6,480848	6,737463	6,826936333	0,08947333	1,063981697	Gin1
17288723	5,075463	5,131743	4,90651	5,109048	5,058802	5,214297	5,0379053	5,127382333	0,089477	1,063984401	Spata9
17297389	4,44229	4,641349	4,819897	4,547262	4,632866	4,991862	4,634512	4,723996667	0,08948467	1,063990055	---
17391474	10,05192	9,78358	9,864736	10,0173	10,00495	9,946451	9,9000787	9,989567	0,08948833	1,06399276	---
17497351	4,414265	4,369072	4,377759	4,427981	4,518643	4,483068	4,387032	4,476564	0,089532	1,064024964	C230079O03
17248421	6,051052	5,4237	5,457085	5,74243	5,758593	5,699424	5,6439457	5,733482333	0,08953667	1,064028406	---
17340285	7,987067	8,068159	7,953295	8,004145	8,11158	8,16144	8,0028403	8,092388333	0,089548	1,064036765	Msh2
17537572	2,92977	2,939525	2,847581	2,99793	2,998728	2,988973	2,9056253	2,995210333	0,089585	1,064064054	---
17456931	6,266658	6,02009	6,01121	6,127983	6,200527	6,238209	6,0993193	6,188906333	0,089587	1,064065529	---
17268205	6,600583	6,387158	6,759808	6,827243	6,667006	6,522139	6,5825163	6,672129333	0,089613	1,064084706	Nxph3
17451854	5,941098	5,843285	5,794076	5,889557	5,975837	5,98192	5,8594863	5,949104667	0,08961833	1,064088639	Pebp1
17345089	4,015227	3,955167	4,088891	4,019804	4,06146	4,246876	4,0197617	4,10938	0,08961833	1,064088639	1700071M16Rik
17326700	4,570135	4,938021	4,955094	4,749866	4,866815	5,115426	4,8210833	4,910702333	0,089619	1,064089131	Mir99a
17387890	4,648108	4,13324	4,293835	4,566638	4,59862	4,178782	4,3583943	4,448013333	0,089619	1,064089131	Olfr1220
17517964	5,539441	5,239612	5,774735	5,564498	5,736716	5,521437	5,5179293	5,607550333	0,089621	1,064090606	Celf6
17536364	9,849825	9,981998	9,849236	10,01097	10,0308	9,908173	9,8936863	9,983314333	0,089628	1,064095769	Msn
17206917	2,75421	3,369129	2,847581	3,226817	3,309126	2,703882	2,9903067	3,079941667	0,089635	1,064100932	---
17354791	3,935285	3,399486	3,863134	3,816557	3,434718	4,215536	3,732635	3,822270333	0,08963533	1,064101178	Mir145
17543126	2,857601	2,838536	2,908094	3,015715	3,026184	2,831301	2,868077	2,957733333	0,08965633	1,064116667	1700084M14Rik
17392403	5,480066	5,557411	5,55348	5,560851	5,724157	5,574944	5,530319	5,619984	0,089665	1,06412306	Ovol2
17205801	5,758448	5,654154	6,280725	6,041445	5,884941	6,035947	5,8977757	5,987444333	0,08966867	1,064125764	---
17349721	6,421162	6,509794	6,515046	6,491665	6,682037	6,541333	6,4820007	6,571678333	0,08967767	1,064132403	Slc35a4
17228293	4,80841	4,240442	4,741079	4,652963	4,750618	4,655401	4,5966437	4,686327333	0,08968367	1,064136828	Cacna1e
17221263	9,946451	10,05554	10,01056	10,02678	10,11029	10,14458	10,004184	10,09388333	0,08969967	1,06414863	---
17462395	4,808102	4,978189	5,009086	5,111207	5,092317	4,860959	4,9317923	5,021494333	0,089702	1,064150351	Slc25a18
17371616	5,977174	6,179817	5,729875	5,893404	6,197694	6,064883	5,9622887	6,051993667	0,089705	1,064152564	Sp5
17423612	5,008784	5,026566	5,3236	5,205703	5,257532	5,164885	5,11965	5,209373333	0,08972333	1,064166087	Prdm13
17353578	3,956443	3,768124	3,423002	3,694432	3,971712	3,750613	3,7158563	3,805585667	0,08972933	1,064170513	---
17470820	7,778526	7,838676	8,074962	8,025438	8,007186	7,928728	7,897388	7,987117333	0,08972933	1,064170513	Grcc10
17497194	5,404925	4,887316	5,114366	5,444737	4,967566	5,263518	5,1355357	5,225273667	0,089738	1,064176906	Mmp21
17538528	6,280516	5,684652	5,259066	6,087668	5,573542	5,832239	5,7414113	5,831149667	0,08973833	1,064177151	Ott
17310511	3,498094	3,509568	3,594326	3,609703	3,75352	3,508038	3,533996	3,623753667	0,08975767	1,064191412	---

17457511	5,133979	3,506196	5,638282	5,638282	5,667112	5,242352	5,4261523	5,515915333	0,089763	1,064195346	---
17537338	3,749101	3,650499	3,74359	3,772455	3,857042	3,782989	3,7143967	3,804162	0,08976533	1,064197068	Cpxcr1
17509565	4,106645	4,019301	3,972396	4,130164	4,052093	4,185423	4,0327807	4,12256	0,08977933	1,064207395	Anxa10
17384502	5,467905	5,723844	5,630596	5,777833	5,918183	5,395752	5,6074483	5,697256	0,08980767	1,064228295	Gm13446
17431403	9,471833	9,504431	9,621775	9,789328	9,524303	9,553872	9,5326797	9,622501	0,08982133	1,064238377	Srrm1
17298937	3,448119	3,456416	3,49967	3,558674	3,521146	3,593883	3,4680683	3,557901	0,08983267	1,064246737	1700109I08Rik
17401418	5,328402	5,16445	5,383479	5,366597	5,353733	5,425517	5,2921103	5,381949	0,08983867	1,064251163	Adora3
17292520	4,393608	4,110012	4,083495	4,082643	4,621119	4,152917	4,195705	4,285559667	0,08985467	1,064262966	Gm906
17305070	5,785734	5,638496	5,872884	5,834331	5,710458	6,021908	5,7657047	5,855565667	0,089861	1,064267638	Ldb3
17418177	6,186103	6,173132	6,108167	6,11595	6,3497	6,271449	6,1558007	6,245699667	0,089899	1,064295671	Heyl
17451902	6,159904	5,856374	6,07948	5,973144	6,191947	6,200376	6,0319193	6,121822333	0,089903	1,064298622	Rnft2
17290990	3,897973	3,92671	3,733632	4,039721	3,834917	3,95341	3,8527717	3,942682667	0,089911	1,064304523	Olfr11
17434869	4,143384	3,976448	3,50976	4,0102	3,910429	3,978744	3,8765307	3,966457667	0,089927	1,064316327	---
17207313	6,468439	6,569605	6,318933	6,566937	6,480295	6,579527	6,4523257	6,542253	0,08992733	1,064316573	---
17548825	5,664011	5,534678	5,405599	5,770187	5,515195	5,588696	5,5347627	5,624692667	0,08993	1,06431854	---
17248988	5,951455	5,917246	5,772199	6,210177	5,827567	5,872962	5,8803	5,970235333	0,08993533	1,064322475	Olfr1381
17207231	3,691056	4,146709	5,035118	3,936592	5,01667	4,189427	4,290961	4,380896333	0,08993533	1,064322475	---
17464492	6,466316	6,295437	6,409197	6,655371	6,470409	6,314988	6,3903167	6,480256	0,08993933	1,064325426	4833442J19Rik
17294187	6,121856	6,355233	6,150253	6,275677	6,459778	6,161724	6,209114	6,299059667	0,08994567	1,064330098	Adamts16
17234450	5,455986	5,357276	5,456351	5,471807	5,676245	5,391402	5,4232043	5,513151333	0,089947	1,064331082	Gm5134
17413678	9,212038	8,934525	9,022764	9,090542	9,230412	9,118216	9,0564423	9,14639	0,08994767	1,064331573	1300002K09Rik
17295649	7,735219	7,835468	7,731184	7,873239	7,831263	7,867288	7,7672903	7,857263333	0,089973	1,064350263	Gtf2h2
17207221	5,92423	4,433771	5,415354	5,168552	5,492702	5,382135	5,257785	5,347796333	0,09001133	1,064378544	---
17474974	6,852554	6,709785	6,440842	6,812115	6,939396	6,52176	6,667727	6,757757	0,09003	1,064392316	Plaur
17348860	4,383004	4,213187	4,506189	4,501253	4,542434	4,3288	4,36746	4,457495667	0,09003567	1,064396496	Mep1b
17312960	7,284638	7,429969	7,5763	7,511345	7,494925	7,554756	7,4303023	7,520342	0,09003967	1,064399448	Pick1
17296170	11,26094	11,56247	11,67568	11,60855	11,59725	11,56341	11,499697	11,58973667	0,09004	1,064399693	Rpl41
17485998	6,346441	6,539821	6,479984	6,389619	6,724967	6,521792	6,4554153	6,545459333	0,090044	1,064402645	Ccdc106 // Ccdc106
17254171	6,48338	6,399656	6,467148	6,618645	6,595272	6,406416	6,4500613	6,540111	0,09004967	1,064406825	Slfn1
17542042	4,187347	4,334015	4,437466	4,447772	4,397923	4,3833	4,3196093	4,409665	0,09005567	1,064411252	Gm6760
17201429	6,792614	6,556377	6,992167	6,866466	6,577522	7,167359	6,780386	6,870449	0,090063	1,064416663	---
17349993	8,986465	8,859308	8,762007	9,025824	8,918728	8,933479	8,86926	8,959343667	0,09008367	1,064431911	Rnf14
17255581	4,002381	3,975485	4,230506	4,189743	4,048921	4,239995	4,0694573	4,159553	0,09009567	1,064440764	Hoxb6
17229233	9,67899	9,71156	9,656222	9,778566	9,823925	9,714612	9,6822573	9,772367667	0,09011033	1,064451586	Dcaf6
17382392	7,567016	7,780666	7,70479	7,797575	7,717225	7,808084	7,6841573	7,774294667	0,09013733	1,064471507	Cobra1
17329636	7,504168	7,415252	7,440358	7,40229	7,748277	7,479626	7,4532593	7,543397667	0,09013833	1,064472245	Gp5
17244506	8,26216	8,356503	8,027918	8,2546	8,318234	8,344167	8,215527	8,305667	0,09014	1,064473475	Mrpl42
17328451	7,090244	7,138596	7,056326	7,142904	7,261673	7,151162	7,0950553	7,185246333	0,090191	1,064511105	Mzt2
17418391	5,97997	5,882701	6,093054	6,110933	6,013824	6,10157	5,9852417	6,075442333	0,09020067	1,064518238	9930104L06Rik
17469217	6,832503	7,271822	7,427665	7,049324	7,247239	7,506091	7,17733	7,267551333	0,09022133	1,064533487	Lrig1
17200513	6,300966	5,578292	5,920842	6,122284	6,333076	5,615411	5,9333667	6,023590333	0,09022367	1,064535209	---
17233065	9,651251	9,445321	9,468499	9,414352	9,783358	9,638049	9,5216903	9,611919667	0,09022933	1,06453939	---
17247208	12,85103	12,89729	12,9479	13,14077	13,06039	12,76577	12,89874	12,98897667	0,09023667	1,064544801	Igfbp1
17206393	3,40753	3,700185	3,138665	3,486978	3,0746	3,955553	3,41546	3,505710333	0,09025033	1,064554886	---
17208783	5,24393	4,950265	4,988866	5,302668	5,106153	5,045031	5,0610203	5,151284	0,09026367	1,064564724	---
17255458	7,284626	7,494706	7,550274	7,21849	7,555947	7,825995	7,443202	7,533477333	0,09027533	1,064573333	Phospho1
17301802	6,763337	6,56711	6,793485	6,821923	6,955439	6,617424	6,7079773	6,798262	0,09028467	1,06458022	Dok2
17494791	4,348857	4,119707	3,995874	4,138634	4,301886	4,294803	4,1548127	4,245107667	0,090295	1,064587845	Olfr486
17273003	6,302305	6,372542	6,477867	6,447603	6,392817	6,583249	6,384238	6,474556333	0,09031833	1,064605064	2410002I01Rik
17521259	5,426418	5,491952	5,728253	5,656034	5,612107	5,649445	5,5488743	5,639195333	0,090321	1,064607031	Iqcf6
17368260	6,383727	6,152878	6,499751	6,438317	6,557237	6,311766	6,345452	6,435773333	0,09032133	1,064607277	Gpsm1
17303738	8,921	8,817851	8,795693	8,856611	9,068066	8,880871	8,844848	8,935182667	0,09033467	1,064617117	Ecd
17463644	3,119711	3,035671	3,104332	3,243785	3,16952	3,117476	3,0865713	3,176927	0,09035567	1,064632613	Tas2r125
17297801	9,211901	9,122927	9,037134	9,156665	9,231133	9,255238	9,1239873	9,214345333	0,090358	1,064634335	Anxa11 // Anxa11
17297833	9,211901	9,122927	9,037134	9,156665	9,231133	9,255238	9,1239873	9,214345333	0,090358	1,064634335	Anxa11 // Anxa11
17480924	4,651359	4,549346	4,506573	4,815064	4,497366	4,665956	4,5690927	4,659462	0,09036933	1,064642699	Gm19765 // Gm19765
17280007	3,921015	3,65788	4,019518	4,001963	3,909387	3,958225	3,8661377	3,956525	0,09038733	1,064655982	---
17208495	4,907262	5,041195	4,90592	4,956928	5,337734	4,830891	4,951459	5,041851	0,090392	1,064659426	---
17548135	5,112109	4,974986	4,997977	5,263584	4,983191	5,109492	5,0283573	5,118755667	0,09039833	1,064664099	Gm20038
17423461	6,323925	6,218826	6,255809	6,322599	6,3887	6,358505	6,2661867	6,356601333	0,09041467	1,064676153	---
17335480	6,526475	6,702563	6,749512	6,758968	6,846231	6,644597	6,6595167	6,749932	0,09041533	1,064676645	Rab44
17415635	6,485549	6,340824	6,568402	6,547648	6,50194	6,616492	6,464925	6,55536	0,090435	1,064691159	Inadl
17276923	4,216948	3,914716	4,093136	4,255075	4,033881	4,20716	4,0749333	4,165372	0,09043867	1,064693865	Gm3693
17210735	5,018154	4,81543	5,347034	5,526865	5,097417	4,827657	5,060206	5,150646333	0,09044033	1,064695095	---
17354014	6,503928	6,876677	6,783142	6,668962	6,994943	6,771287	6,721249	6,811730667	0,09048167	1,064725599	Prelid2
17391137	8,818052	9,043419	8,927429	8,874934	9,13743	9,048006	8,9296333	9,020123333	0,09049	1,064731749	Usp50
17201771	4,432276	4,045247	4,548853	4,419862	4,377108	4,500998	4,3421253	4,432656	0,09053067	1,064761762	---
17201947	4,432276	4,045247	4,548853	4,419862	4,377108	4,500998	4,3421253	4,432656	0,09053067	1,064761762	---
17295125	6,322527	6,740607	6,966872	7,195922	6,613092	6,492622	6,6766687	6,767212	0,09054333	1,06477111	F2rl1
17200793	5,339496	5,675342	5,185936	5,359185	5,670002	5,443266	5,400258	5,490817667	0,09055967	1,064783165	---
17532655	6,910069	6,6985	6,53922	6,700417	6,88247	6,836595	6,7159297	6,806494	0,09056433	1,064786609	LOC100040974
17511802	3,98212	3,935002	4,089315	3,771883	4,063423	4,442834	4,0021457	4,092713333	0,09056767	1,06478907	---
17372890	3,831349	3,480872	4,015459	3,87087	3,791225	3,937311	3,7758933	3,866468667	0,09057533	1,064794728	Olfr1152
17434414	8,691605	8,841578	8,647562	8,865015	8,823918	8,763559	8,726915	8,817497333	0,09058233	1,064799894	Akap9
17535477	3,374291	3,360357	3,190164	3,353689	3,359164	3,483721	3,3082707	3,398858	0,09058733	1,064803585	---
17233507	4,261333	4,228988	4,28349	4,33846	4,307731	4,399425	4,257937	4,348538667	0,09060167	1,064814164	BB019430 // BB019430
17461341	7,762666	8,010794	7,938413	7,988381	8,037388	7,958021	7,9039577	7,994596667	0,090639	1,064841719	Itpr1
17350611	9,859827	9,928487	9,807408	9,897345	10,0013	9,969003	9,8652407	9,955882667	0,090642	1,064843933	Snx2
17496584	4,076008	4,294708	4,200012	4,555078	4,158739	4,12886	4,1902427	4,280892333	0,09064967	1,064849592	Zg16
17205617	4,335643	3,666901	4,105849	4,065789	4,216226	4,098501	4,036131	4,126838667	0,09070767	1,064892402	---
17338328	5,295349	5,392062	5,412294	5,390978	5,550738	5,430123	5,3665683	5,457279667	0,09071133	1,064895109	Tfeb
17438022	3,680074	3,784382	3,623626	3,787376	3,816171	3,756671	3,6960273	3,786739333	0,090712	1,064895601	Gabrb1
17359606	6,147211	5,67276	6,047969	6,15144	6,046642	5,94206	5,95598	6,046714	0,090734	1,06491184	BC037704
17265825	5,826888	6,116752	5,996121	6,083072	6,039629	6,089394	5,9799203	6,070698333	0,090778	1,064944319	Rap1gap2
17530424	6,914604	7,265545	7,275664	7,439497	7,096567	7,192115	7,1519377	7,242726333	0,09078867	1,064952192	Nudt16
17445620	13,38379	13,32403	13,27853	13,41331	13,37234	13,47307	13,328783	13,41957333	0,09079	1,064953177	---
17448747	8,919425	8,620911	7,83724	8,658289	8,663635	8,328025	8,459192	8,549983	0,090791	1,064953915	---
17323183	3,517255	3,479971	3,654244	3,749207	3,628627	3,54602	3,55049	3,641284667	0,09079467	1,064956621	A630010A05Rik // A630010A05Rik
17461060	4,386519	4,30377	4,345639	4,431736	4,418912	4,457705	4,3453093	4,436117667	0,09080833	1,06496671	9530026P05Rik
17441810	8,66842	8,732033	8,69997	8,621456	8,790662	8,960814	8,700141	8,790977333	0,09083633	1,064987379	Gm15800
17224440	6,213959	6,596114	6,655321	6,329804	6,659485	6,748713	6,4884647	6,579334	0,09086933	1,06501174	Nhej1 // Nhej1
17302234	6,137374	6,256652	6,101076	6,120032	6,114527	6,533221	6,165034	6,255926667	0,09089267	1,065028965	Gm5465
17311138	4,599922	4,461136	4,597352	4,688046	4,60529	4,637762	4,5528033	4,643699333	0,090896	1,065031425	---
17238840	6,787396	6,958013	6,663275	6,999175	7,031826	6,650376	6,8028947	6,893792333	0,09089767	1,065032656	Syne1
17506639	6,836529	6,907786	7,089047	7,223454	6,868372	7,014235	6,944454	7,035353667	0,09089967	1,065034132	Def8
17213663	4,664526	4,555025	4,293975	4,714799	4,620234	4,451193	4,5045087	4,595408667	0,0909	1,065034378	Gm13749
17450034	9,781376	9,808429	9,826747	9,958078	9,880851	9,850323	9,8055173	9,896417333	0,0909	1,065034378	Hnrpdl
17267702	7,032227	7,009514	7,052133	7,022848	7,166278	7,177496	7,0312913	7,122207333	0,090916	1,06504619	Hlf
17206267	5,684685	5,767562	6,041597	5,974602	5,906825	5,885166	5,8312813	5,922197667	0,09091633	1,065046436	---
17254877	10,19032	10,15291	10,2014	10,07294	10,59662	10,14782	10,181543	10,27246	0,09091667	1,065046682	Mpo
17548970	6,492864	6,481604	6,444305	6,412083	6,644612	6,634858	6,4729243	6,563851	0,09092667	1,065054064	Gpc1 // Gpc1
17479847	3,534763	3,582125	3,155777	3,424275	3,738867	3,382324	3,4242217	3,515155333	0,09093367	1,065059232	---
17205241	2,936373	3,172989	2,94241	3,053807	3,259648	3,011137	3,0172573	3,108197333	0,09094	1,065063908	---
17209431	2,936373	3,172989	2,94241	3,053807	3,259648	3,011137	3,0172573	3,108197333	0,09094	1,065063908	---
17488244	4,795199	4,752378	4,568957	4,756972	4,871234	4,761249	4,7055113	4,796485	0,09097367	1,065088762	Spnb4
17508564	3,669995	3,730183	3,626976	3,693058	3,753246	3,853813	3,675718	3,766705667	0,09098767	1,065099098	---
17331642	9,666305	9,797313	9,688824	9,715001	9,872747	9,83767	9,7174807	9,808472667	0,090992	1,065102297	Mrpl39
17396564	4,636177	4,630804	4,634799	4,668993	4,939475	4,566295	4,6339267	4,724921	0,09099433	1,06510402	Lrriq4
17311154	3,194613	3,606117	3,357322	3,360112	3,611296	3,459633	3,3860173	3,477013667	0,09099633	1,065105496	---
17298874	4,960756	4,915779	5,136471	5,306077	5,061202	4,918742	5,0043353	5,095340333	0,091005	1,065111895	Grid1
17541780	7,170417	6,538699	7,192155	7,199537	6,901117	7,073692	6,9670903	7,058115333	0,091025	1,06512666	Cxx1b
17418943	5,954976	5,762942	5,862561	5,983028	5,978194	5,892369	5,8601597	5,951197	0,09103733	1,065135766	---
17200351	4,239783	3,26684	3,632886	3,892341	3,398112	4,122176	3,7131697	3,804209667	0,09104	1,065137735	---
17210309	6,234913	7,420407	6,653366	6,765382	7,093416	6,723198	6,769562	6,860665333	0,09110333	1,065184495	---
17476143	4,33261	3,882172	3,943081	3,986768	4,32776	4,116725	4,052621	4,143751	0,09113	1,065204184	---
17467296	3,018989	2,916638	3,341156	3,352391	3,183788	3,014056	3,092261	3,183411667	0,09115067	1,065219443	Vmn1r33
17228362	3,878791	3,874134	4,10001	4,093685	4,117657	3,915114	3,9509783	4,042152	0,09117367	1,065236425	BC034090
17316595	5,756951	5,463562	5,584771	5,782637	5,732516	5,563705	5,6017613	5,692952667	0,09119133	1,06524947	Gm15941
17293280	9,763634	9,79273	9,643297	9,81658	9,8002	9,856459	9,7332203	9,824413	0,09119267	1,065250454	Zcchc6
17382335	6,316044	6,465703	6,546001	6,634093	6,555949	6,411336	6,4425827	6,533792667	0,09121	1,065263253	Arrdc1
17546493	2,646396	3,61284	3,354554	2,906405	3,739737	3,241338	3,2045967	3,295826667	0,09123	1,065278021	---
17381078	4,574072	4,601034	4,882978	4,673896	4,887804	4,77011	4,686028	4,77727	0,091242	1,065286881	Gm16119
17331828	4,189654	4,686451	4,540013	4,472518	4,723157	4,49425	4,4720393	4,563308333	0,091269	1,065306818	Cldn8
17519184	12,01412	11,99256	11,99502	12,1038	12,12827	12,04344	12,000567	12,09183667	0,09127	1,065307557	Nedd4
17202005	2,708583	3,406996	2,932951	2,848209	3,650149	2,824016	3,0161767	3,107458	0,09128133	1,065315926	---
17357542	11,27522	11,51707	11,527	11,47425	11,59527	11,52369	11,439763	11,53107	0,09130667	1,065334632	---
17469788	4,477788	4,45253	4,913853	4,773586	4,659764	4,684754	4,6147237	4,706034667	0,091311	1,065337832	4931417G12Rik
17277654	6,78556	6,682346	6,333388	6,71504	6,699684	6,660555	6,6004313	6,691759667	0,09132833	1,065350632	Gm4027
17278056	7,14513	7,378686	7,058318	7,210948	7,332961	7,312239	7,1940447	7,285382667	0,091338	1,06535777	Rin3
17480102	5,855542	5,819762	5,690447	5,939117	5,941799	5,758859	5,7885837	5,879925	0,09134133	1,065360232	Sytl2
17279277	6,808434	6,759243	6,842171	6,902289	6,946349	6,835253	6,8032827	6,894630333	0,09134767	1,065364909	Aspg
17332766	7,444438	7,365231	7,550168	7,464345	7,479858	7,689684	7,453279	7,544629	0,09135	1,065366632	Zdhhc14
17370588	3,782782	3,721401	4,164391	3,98961	3,954314	3,998717	3,8895247	3,980880333	0,09135567	1,065370816	---
17360537	11,68329	11,51951	11,41901	11,56123	11,73982	11,59486	11,540603	11,63197	0,09136667	1,065378939	Habp2

17338642	7,151517	6,931984	6,835027	7,095325	7,038533	7,058824	6,9728427	7,064227333	0,09138467	1,065392232	Ebi3
17477209	4,649684	4,327333	4,587488	4,883928	4,434656	4,520149	4,5215017	4,612911	0,09140933	1,065410448	Klk11
17511073	7,861133	7,58989	7,765764	7,88859	7,87441	7,728056	7,738929	7,830352	0,091423	1,06542054	Mir181d
17258842	10,33514	10,36139	10,40153	10,4068	10,48747	10,47812	10,36602	10,45746333	0,09144333	1,065435556	Syngr2
17269322	5,375377	5,271809	5,61539	5,143732	5,835786	5,557442	5,4208587	5,51232	0,09146133	1,06544885	Krt35
17328288	8,916656	9,025694	8,899927	9,096035	9,115102	8,905526	8,9474257	9,038887667	0,091462	1,065449342	Pdxdc1
17246438	3,783254	4,1325	3,827962	4,022856	4,022856	3,972417	3,914572	4,006043	0,091471	1,065455989	Olfr811
17204043	3,663614	3,347642	4,009252	3,566849	3,496119	4,231955	3,6735027	3,764974333	0,09147167	1,065456481	---
17476913	5,301922	5,687237	5,7559	5,547829	5,878176	5,593483	5,5816863	5,673162667	0,09147633	1,065459927	LOC100504965
17375997	7,801242	7,929478	7,828772	7,821302	8,05174	7,960892	7,853164	7,944644667	0,09148067	1,065463128	Mertk
17234192	8,929371	8,985251	9,137018	9,050144	9,212644	9,063308	9,0172133	9,108698667	0,09148533	1,065466574	Zwint
17462492	11,78281	11,47319	11,81274	11,78909	11,93731	11,61685	11,68958	11,78108333	0,09150333	1,065479868	A2m
17378600	7,222448	7,388455	7,415118	7,243667	7,468442	7,588473	7,342007	7,433527333	0,09152033	1,065492423	Epb4.1l1
17243659	6,362522	6,049204	6,549709	6,48841	6,435233	6,312365	6,3204783	6,412002667	0,09152433	1,065495377	Gm6713
17538826	9,501217	9,687997	9,777839	9,637872	9,803628	9,800126	9,6556843	9,747208667	0,09152433	1,065495377	---
17426886	4,54675	4,388339	4,481679	4,576193	4,543901	4,571257	4,472256	4,563783667	0,09152767	1,065497839	Gm11413
17452861	6,524312	6,594867	6,809381	6,626377	6,80498	6,771788	6,6428533	6,734381667	0,09152833	1,065498331	Rilpl1
17238886	7,498292	7,751974	7,354232	7,536564	7,754496	7,588035	7,5348327	7,626365	0,09153233	1,065501285	Syne1
17240217	5,033851	4,81491	4,891275	4,834127	5,243115	4,937452	4,9133453	5,004898	0,09155267	1,065516303	Tspyl4 // Tspyl4
17548061	5,246572	5,265891	5,485378	5,566447	5,46192	5,244204	5,3326137	5,424190333	0,09157667	1,065534028	Gm19489
17200953	5,983597	6,459729	5,9836	6,004431	6,449096	6,248134	6,1423087	6,233887	0,09157833	1,065535259	---
17550556	8,624795	8,771185	8,57938	8,643467	8,850319	8,756374	8,6584533	8,750053333	0,0916	1,065551262	---
17351351	6,173615	6,645041	6,306152	6,526516	6,594813	6,278401	6,374936	6,466576667	0,09164067	1,065581298	Zfp532
17518526	10,64952	10,6371	10,56882	10,75163	10,73814	10,64067	10,61848	10,71014667	0,09166667	1,065600502	Clpx
17352020	11,8711	11,90949	11,96828	11,92978	12,08355	12,01054	11,91629	12,00795667	0,09166667	1,065600502	Atp5a1
17473455	5,340187	4,896391	5,132953	5,239335	5,307856	5,097379	5,123177	5,214856667	0,09167967	1,065610104	Zfp784 // Zfp784
17318422	6,088339	6,207909	6,267233	6,503727	6,161049	6,173804	6,187827	6,279526667	0,09169967	1,065624876	Spatc1
17241579	5,312031	5,013997	5,13102	5,368603	5,145912	5,217649	5,1523493	5,244054667	0,09170533	1,065629062	---
17283955	5,803674	5,728955	5,858321	6,135327	5,744782	5,785976	5,7969833	5,888695	0,09171167	1,06563374	Meg3 // Meg3
17437631	6,986571	7,369605	7,054743	7,201303	7,3067	7,178094	7,136973	7,228699	0,091726	1,065644327	Tbc1d1
17360655	8,847736	8,952135	8,82279	8,982281	8,964226	8,95138	8,8742203	8,965962333	0,091742	1,065656146	Fam160b1
17257056	9,843288	10,17172	10,27303	10,04772	10,19792	10,31764	10,096013	10,18776	0,09174733	1,065660085	---
17336491	3,380719	3,186709	3,299532	3,397724	3,497616	3,246865	3,2889867	3,380735	0,09174833	1,065660824	---
17248072	9,4516	9,507176	9,742626	9,808194	9,673936	9,494566	9,567134	9,658898667	0,09176467	1,065672889	---
17532036	3,011117	3,068573	3,089295	3,200617	3,203308	3,040378	3,0563283	3,148101	0,09177267	1,065678798	---
17352905	3,221827	3,076917	3,114814	3,333684	3,077808	3,277417	3,1378527	3,229636333	0,09178367	1,065686923	---
17402696	3,153886	2,999367	2,925588	3,247862	3,147331	2,959171	3,0262803	3,118121333	0,091841	1,065729275	---
17296102	3,899646	4,16512	3,761663	3,973909	4,336979	3,791072	3,942143	4,033986667	0,09184367	1,065731245	---
17550368	5,382828	5,398997	5,47065	5,646965	5,447933	5,433207	5,4174917	5,509368333	0,09187667	1,065755623	---
17366151	3,929411	3,756664	3,968899	3,882771	3,963172	4,084663	3,8849913	3,976868667	0,09187733	1,065756115	---
17208479	2,906405	2,774894	2,630821	3,340138	2,674052	2,573599	2,7707067	2,862596333	0,09188967	1,065765226	---
17503122	5,67708	5,627988	5,743815	5,687256	5,857082	5,780238	5,682961	5,774858667	0,09189767	1,065771136	Cacna1a
17313284	8,812901	8,913505	8,822906	8,942578	8,925774	8,956668	8,8497707	8,941673333	0,09190267	1,06577483	Ep300
17394765	8,284974	7,614301	7,928364	7,811459	8,136755	8,155133	7,9425463	8,034449	0,09190267	1,06577483	---
17469259	10,74278	10,71942	10,57628	10,6958	10,83792	10,78049	10,679493	10,77140333	0,09191	1,065780247	Suclg2
17205313	5,757484	5,737654	5,671084	5,836753	5,946445	5,658822	5,722074	5,814006667	0,09193267	1,065796992	---
17500735	5,315703	5,180027	5,418045	5,288466	5,348508	5,55261	5,3045917	5,396528	0,09193633	1,065799701	Pdgfrl
17278816	6,404015	6,362467	6,572221	6,596658	6,445178	6,572769	6,4462343	6,538201667	0,09196733	1,065822603	Mir758
17344251	7,823347	7,982924	7,938004	8,092488	7,886986	8,040727	7,9147583	8,006733667	0,09197533	1,065828513	Prrc2a
17485258	8,573762	9,057227	8,946252	8,995674	8,96807	8,889457	8,8590803	8,951067	0,09198667	1,065836886	Mrpl23
17470093	5,928994	5,852085	6,228683	6,015278	6,2571	6,013348	6,003254	6,095242	0,091988	1,065837871	Hnrnpf
17290163	5,850488	5,681202	5,677502	5,898098	5,81362	5,77353	5,7363973	5,828416	0,09201867	1,065860527	Ccl28
17239471	9,664189	9,744029	9,232873	9,49223	9,750744	9,674231	9,5470303	9,639068333	0,092038	1,06587481	---
17387244	4,125526	4,120476	4,363276	4,361822	4,309105	4,214473	4,2030927	4,295133333	0,09204067	1,065876781	---
17315245	10,02704	9,937072	9,865435	9,925804	10,15064	10,02924	9,9431823	10,035228	0,09204567	1,065880475	Krt18
17438301	8,052965	8,03751	8,106551	8,224454	8,057714	8,191015	8,0656753	8,157727667	0,09205233	1,0658854	Srd5a3
17326567	8,973242	9,161684	9,015675	9,048346	9,137045	9,241459	9,0502003	9,142283333	0,092083	1,065908057	Gbe1
17487633	3,530283	3,432542	2,914837	3,051287	3,344745	3,757896	3,292554	3,384642667	0,09208867	1,065912244	Gm8693
17330499	5,555074	5,508127	5,630071	5,490692	5,894783	5,584174	5,564424	5,656549667	0,09212567	1,065939581	Zdhhc23
17344405	6,256637	6,038482	6,334803	6,311128	6,328683	6,266553	6,209974	6,302121333	0,09214733	1,06595559	Ddr1
17369747	7,681477	7,762619	7,812656	7,646815	8,034868	7,851528	7,7522507	7,844403667	0,092153	1,065959777	Golga2
17455459	6,024347	5,807433	5,879773	6,156426	5,925254	5,906346	5,903851	5,996008667	0,09215767	1,065963225	---
17298835	6,265349	6,151885	6,080839	6,16	6,11684	6,497749	6,1660243	6,258196333	0,092172	1,065973815	---
17221257	10,16305	10,24973	10,12135	10,13167	10,5002	10,1789	10,178043	10,27025667	0,09221333	1,066004356	---
17282956	5,463892	4,925135	5,534602	5,259846	5,529601	5,410844	5,3078763	5,400097	0,09222067	1,066009775	Gm7104
17218763	3,073147	3,470397	3,263925	3,487314	3,338332	3,2585	3,2691563	3,361382	0,09222567	1,066013469	---
17431134	6,018528	6,023214	6,113204	6,107339	6,186754	6,137542	6,0516487	6,143878333	0,09222967	1,066016425	---
17485553	7,459263	7,281479	7,216324	7,52895	7,379123	7,325693	7,319022	7,411255333	0,09223333	1,066019134	Tmc4
17377583	9,386764	9,33957	9,402778	9,470323	9,517026	9,41858	9,3763707	9,468643	0,09227233	1,066047952	Nsfl1c
17438464	4,155271	4,460284	4,522886	4,386936	4,479761	4,548569	4,3794803	4,471755333	0,092275	1,066049922	1700023E05Rik
17531281	9,204304	9,352533	9,272866	9,356909	9,36831	9,381353	9,2765677	9,368857333	0,09228967	1,06606076	Ccdc72
17219869	6,696112	6,601581	6,667349	6,779793	6,768791	6,693342	6,655014	6,747308667	0,09229467	1,066064455	Sdccag8
17225379	5,869837	5,761286	5,867687	5,933596	6,138094	5,704007	5,8329367	5,925232333	0,09229567	1,066065194	Asb18
17220110	7,19284	7,171591	7,102092	7,192174	7,38766	7,163645	7,1555077	7,247826333	0,09231867	1,066082189	Itpkb
17405619	3,438008	4,148621	3,800925	3,853982	3,77849	4,032043	3,7958513	3,888171667	0,09232033	1,066083421	---
17510481	5,53873	5,654226	5,658148	5,522329	5,879354	5,726393	5,6170347	5,709358667	0,092324	1,06608613	---
17361178	5,344769	5,435661	5,230947	5,263077	5,411959	5,613437	5,3371257	5,429491	0,09236533	1,066116674	LOC100861921
17489248	8,902944	9,19686	9,072861	9,424912	8,612949	9,41191	9,057555	9,149923667	0,09236867	1,066119138	---
17430023	7,064717	6,740047	7,012775	6,910143	7,156116	7,028433	6,9391797	7,031564	0,09238433	1,066130715	Adprhl2
17486096	4,151859	3,950768	3,948913	4,16805	4,195619	3,965043	4,01718	4,109570667	0,09239067	1,066135395	Olfr1349
17205265	3,413514	3,614543	2,915988	3,340969	3,448751	3,431507	3,3146817	3,407075667	0,092394	1,066137859	---
17209455	3,413514	3,614543	2,915988	3,340969	3,448751	3,431507	3,3146817	3,407075667	0,092394	1,066137859	---
17493109	3,761042	3,498327	3,655734	3,708437	3,897973	3,585878	3,6383677	3,730762667	0,092395	1,066138598	Vmn2r76
17474983	6,280701	6,297081	6,259496	6,337056	6,282887	6,49467	6,2790927	6,371537667	0,092445	1,066175548	Cadm4
17215016	5,093235	5,025987	5,067151	5,059247	5,276218	5,128292	5,0621243	5,154585667	0,09246133	1,066187618	Spata3
17413206	4,153672	3,950517	4,27513	4,240677	4,196063	4,219984	4,1264397	4,218908	0,09246833	1,066192792	1700022I11Rik
17463810	2,777151	2,941401	3,233192	3,011036	3,367236	2,850998	2,9839147	3,076423333	0,09250867	1,066222599	---
17255999	6,386602	6,390734	6,322468	6,482375	6,550068	6,345016	6,3666013	6,459153	0,09255167	1,066254379	Erbb2
17297059	8,084678	7,92503	7,704494	8,159403	7,761873	8,070664	7,904734	7,997313333	0,09257933	1,066274827	Abhd6
17548608	4,452375	4,684226	4,700281	4,814068	4,774495	4,526093	4,612294	4,704885333	0,09259133	1,066283696	LOC100861750
17244474	3,042942	2,899814	2,849436	2,857989	3,222475	2,989504	2,9307307	3,023322667	0,092592	1,066284189	---
17509208	5,812077	6,100455	6,106874	6,108046	6,077817	6,111322	6,0064687	6,099061667	0,092593	1,066284928	Gm16675
17210063	7,513591	7,602881	7,622367	7,86866	7,610822	7,537158	7,579613	7,672213333	0,09260033	1,066290348	---
17327371	9,346542	9,44281	9,301032	9,382515	9,517691	9,468018	9,3634613	9,456074667	0,09261333	1,066299956	Ttc3
17420016	7,141407	7,026303	7,007738	7,112347	6,945876	7,395067	7,0584827	7,151096667	0,092614	1,066300449	Id3
17271118	8,793104	8,790117	8,665902	8,969281	8,70127	8,856463	8,7497077	8,842338	0,09263033	1,066312521	Pitpnc1
17414017	6,134447	6,254184	6,189518	6,20901	6,261237	6,385862	6,1927163	6,285369667	0,09265333	1,066329521	Tmeff1
17302113	5,321861	5,341949	5,450852	5,508366	5,479249	5,40503	5,371554	5,464215	0,092661	1,066335187	Enox1
17287707	7,822775	7,76457	7,714946	7,943027	7,927927	7,709321	7,7674303	7,860091667	0,09266133	1,066335434	Tmed9
17338258	6,546331	6,404827	6,517393	6,574034	6,634553	6,53795	6,489517	6,582179	0,092662	1,066335926	AI661453
17331251	3,038426	3,150895	3,224021	2,956719	3,454835	3,279798	3,1377807	3,230450667	0,09267	1,066341839	Olfr193
17543014	6,436164	6,547309	6,53304	6,644403	6,460078	6,690066	6,5055043	6,598182333	0,092678	1,066347752	Mageb16 // Mageb16
17548386	5,334177	5,308926	5,226472	5,400946	5,26761	5,479112	5,2898583	5,382556	0,09269767	1,066362289	Gm19409
17520286	2,900222	3,227764	3,026398	2,980719	3,305187	3,146573	3,0514613	3,144159667	0,09269833	1,066362782	---
17358011	11,42477	11,07315	11,15724	11,06652	11,32501	11,54185	11,218387	11,31112667	0,09274	1,06639358	---
17271281	7,682751	7,786534	7,838443	7,922064	8,046522	7,617373	7,7692427	7,861986333	0,09274367	1,06639629	Fam20a
17497091	8,895568	8,898822	8,642284	8,995578	8,912172	8,807167	8,8122247	8,904972333	0,09274767	1,066399247	Oat
17404165	3,993375	4,073531	4,12559	4,150633	4,166718	4,153427	4,0641653	4,156926	0,09276067	1,066408856	4930539N22Rik
17321681	4,509423	4,591996	4,557322	4,611814	4,685842	4,639433	4,5529137	4,645696333	0,09278267	1,066425118	2310068J16Rik
17201433	5,804036	5,350635	5,710996	6,054146	5,558604	5,531266	5,621889	5,714672	0,092783	1,066425365	---
17463268	6,12167	5,473632	5,618739	5,726641	5,893697	5,872092	5,7380137	5,83081	0,09279633	1,066435221	Ano2
17432589	3,792797	3,641539	3,801662	3,922361	3,754102	3,837962	3,7453327	3,838141667	0,092809	1,066444584	Gm438
17540914	5,149956	4,575596	4,326194	5,015508	4,576295	4,738373	4,6839153	4,776725333	0,09281	1,066445323	---
17455600	4,664934	4,772017	5,038254	4,832219	4,891917	5,029562	4,8250683	4,917899333	0,092831	1,066460846	---
17473367	7,722392	7,957269	7,95785	7,98597	8,013473	7,916682	7,8791703	7,972041667	0,09287133	1,066490662	Suv420h2
17210477	3,17054	3,091171	3,849768	3,611198	3,871237	2,907659	3,370493	3,463364667	0,09287167	1,066490908	---
17216246	4,264021	4,056823	4,259636	4,214525	4,336757	4,307859	4,1934933	4,286380333	0,092887	1,066502243	Cntnap5b
17525460	5,067822	4,489754	4,965555	5,112751	4,882251	4,806816	4,8410437	4,933939333	0,09289567	1,06650865	Gm3428
17446928	5,939579	5,897774	6,196831	6,045557	6,300755	5,966624	6,0113947	6,104312	0,09291733	1,066524667	---
17484221	4,551421	4,787243	4,524247	4,659062	4,767807	4,714867	4,6209703	4,713912	0,09294167	1,066542656	Nps
17449518	9,943261	9,882131	9,465401	9,821738	9,865644	9,882245	9,7635977	9,856542333	0,09294467	1,066544874	---
17257555	5,763502	5,755107	5,040438	6,280234	4,550864	6,006841	5,5196823	5,612646333	0,092964	1,066559166	---
17331044	9,214774	9,399624	9,277269	9,348269	9,380425	9,441891	9,2972223	9,390195	0,09297267	1,066565573	Tfg
17204279	4,635909	5,068168	5,581971	4,905695	5,876498	4,782847	5,0953493	5,188346667	0,09299733	1,066583809	---
17208589	5,83268	5,634028	5,095987	5,707829	5,947623	5,18631	5,5208983	5,613920667	0,09302233	1,066602292	---
17309065	9,2778	9,264715	9,357936	9,391021	9,489479	9,299048	9,3001503	9,393182667	0,09303233	1,066609685	Mzt1
17546751	2,942279	3,122079	2,92064	2,936941	3,348045	2,979166	2,9949993	3,088050667	0,09305133	1,066623732	---
17201073	8,197604	8,738171	8,110075	8,080647	8,67677	8,567588	8,3486167	8,441668333	0,09305167	1,066623979	---
17481297	3,489563	3,494044	3,557831	3,596783	3,70475	3,519071	3,5138127	3,606868	0,09305533	1,06662669	LOC622070
17295177	4,518784	4,986316	4,737636	4,747558	4,891919	4,882467	4,7475787	4,840648	0,09306933	1,06663704	Sv2c
17468759	5,452066	5,166028	5,297191	5,261051	5,555093	5,378399	5,305095	5,398181	0,093086	1,066649363	---
17283213	4,134386	4,107993	4,089744	4,154543	4,21181	4,24504	4,1107077	4,203797667	0,09309	1,06665232	1700064M15Rik
17202511	4,067049	3,847802	3,89379	4,219657	3,832202	4,036065	3,9362137	4,029308	0,09309433	1,066655524	---
17549360	4,720262	4,361686	4,504205	4,676078	4,396101	4,793301	4,5287177	4,621826667	0,093109	1,066666368	---

17366359	7,763091	7,472167	7,490949	7,840942	7,424669	7,739947	7,5754023	7,668519333	0,093117	1,066672283	Fam171a1
17296134	5,026107	4,708721	4,956072	5,00463	5,116901	4,848728	4,8969667	4,990086333	0,09311967	1,066674254	3110015C05Rik
17336941	6,696112	6,173804	7,501348	6,513415	7,362135	6,775074	6,7904213	6,883541333	0,09312	1,066674501	---
17550775	3,557176	3,589546	3,528132	3,562321	3,804962	3,587007	3,5582847	3,65143	0,09314533	1,066693231	---
17208173	5,784219	5,974602	6,162363	5,908493	5,813375	6,478787	5,973728	6,066885	0,093157	1,066701857	---
17363082	3,641488	3,833583	3,417657	3,509601	3,902833	3,759767	3,6309093	3,724067	0,09315767	1,06670235	Olfr1437
17235002	10,46486	10,34838	10,54418	10,39962	10,74948	10,48787	10,452473	10,54565667	0,09318333	1,066721328	Prtn3
17419277	8,996363	9,052034	8,825464	8,953237	9,11988	9,08032	8,9579537	9,051145667	0,093192	1,066727736	Sdc3
17216727	9,825027	9,920919	9,728058	9,897541	9,995798	9,860255	9,824668	9,917864667	0,09319667	1,066731187	Slc35f5
17253166	3,942423	4,089444	3,874615	3,987383	4,050313	4,148376	3,9688273	4,062024	0,09319667	1,066731187	---
17439037	6,321078	6,316277	6,748924	6,390491	6,742178	6,533219	6,462093	6,555296	0,093203	1,066735869	Parm1
17246727	4,973591	4,487997	4,608612	4,623764	5,134869	4,59119	4,6900667	4,783274333	0,09320767	1,06673932	Sec14l3
17402222	5,107234	5,073812	5,197571	5,217337	5,182751	5,258286	5,1262057	5,219458	0,09325233	1,066772347	Abca4
17317307	7,188807	6,643347	6,702321	6,971199	6,784262	7,058793	6,844825	6,938084667	0,09325967	1,06677777	---
17286394	3,716773	3,858622	3,689647	3,748923	3,779471	4,016434	3,755014	3,848276	0,093262	1,066779495	Serpinb9d
17388347	3,781435	3,613	3,608	3,586779	3,791038	3,904427	3,6674783	3,760748	0,09326967	1,066785164	---
17292634	6,91542	7,080312	7,218015	7,255545	7,117738	7,120301	7,071249	7,164528	0,093279	1,066792066	Nfil3
17474268	6,407697	6,488665	6,741119	6,707059	6,748033	6,462233	6,545827	6,639108333	0,09328133	1,066793791	---
17529559	3,094935	3,28531	3,04779	3,270892	3,196026	3,240997	3,1426783	3,235971667	0,09329333	1,066802664	---
17466863	4,421204	4,427688	4,378419	4,553825	4,566039	4,387344	4,4091037	4,502402667	0,093299	1,066806855	Hoxa9
17298292	7,089962	7,189472	7,288179	7,16809	7,423085	7,256341	7,1892043	7,282505333	0,093301	1,066808334	Nek4
17292329	6,129799	5,784219	5,950337	5,827469	6,208254	6,108551	5,954785	6,048091333	0,09330633	1,066812277	Mirlet7a-1
17244935	3,509233	3,938287	3,474065	3,379503	3,895744	3,926276	3,6405283	3,733841	0,09331267	1,066816961	---
17433490	4,572422	4,670759	4,750646	4,65656	4,996678	4,620531	4,664609	4,757923	0,093314	1,066817947	Chd5
17378149	5,014409	4,517783	4,552888	4,574101	4,825263	4,965682	4,6950267	4,788348667	0,093322	1,066823862	Bpifb1
17471744	3,44961	3,76725	3,7889	3,975992	3,870034	3,439711	3,6685867	3,761912333	0,09332567	1,066826574	Klra14
17515978	3,324988	3,367301	3,267427	3,513597	3,454015	3,272087	3,3199053	3,413233	0,09332767	1,066828053	Gm17677
17524228	5,713888	5,513438	6,00274	5,872554	5,850251	5,787334	5,7433553	5,836713	0,09335767	1,066850237	Mtnr1b
17241534	8,464414	8,454344	8,538126	8,608077	8,598142	8,530749	8,485628	8,578989333	0,09336133	1,066852948	Rufy2 // Rufy2
17210463	7,232445	7,203277	7,123731	7,432107	7,027916	7,379526	7,1864843	7,279849667	0,09336533	1,066855906	---
17206277	5,51706	5,356436	6,578362	6,447202	5,209984	6,074786	5,817286	5,910657333	0,09337133	1,066860343	---
17386757	6,362241	6,551095	6,55738	6,486583	6,69933	6,56493	6,4902387	6,583614333	0,09337567	1,066863548	Prkra
17498080	7,764974	7,38885	7,737617	7,793675	7,698668	7,679254	7,6304803	7,723865667	0,09338533	1,066870696	Krtap5-1 // Krtap5-1
17278073	8,342643	8,476378	8,274755	8,314103	8,631285	8,428577	8,364592	8,457988333	0,09339633	1,066878831	Golga5
17540580	5,125889	5,256308	5,261351	5,390913	5,317453	5,215378	5,214516	5,307914667	0,09339867	1,066880556	Gm6938
17477728	6,025979	6,403799	6,332202	6,024026	6,393745	6,624464	6,2539933	6,347411667	0,09341833	1,0668951	Pth2
17487666	3,990256	3,934052	4,188679	4,421589	3,973819	3,997944	4,0376623	4,131117333	0,093455	1,066922216	Vmn1r175
17201509	7,143478	7,059708	7,310335	7,38753	7,247863	7,158493	7,1711737	7,264628667	0,093455	1,066922216	---
17284460	3,085721	2,974277	3,173504	3,02682	3,077473	3,409614	3,077834	3,171302333	0,09346833	1,066932076	---
17493689	6,201	6,006035	6,280691	6,227518	6,225781	6,314869	6,1625753	6,256056	0,09348067	1,066941197	Slco2b1
17225603	5,187681	4,948603	5,240231	5,108369	5,358642	5,18996	5,125505	5,218990333	0,09348533	1,066944649	Ankmy1
17308744	5,979039	5,979039	4,982349	5,973955	5,883844	5,363099	5,646809	5,740299333	0,09349033	1,066948346	---
17327983	4,410751	4,050208	4,397824	4,477416	4,196812	4,465069	4,286261	4,379765667	0,09350467	1,066958947	---
17434813	4,835484	4,808655	4,649461	4,821091	4,877275	4,875759	4,7645333	4,858041667	0,09350833	1,066961658	Sema3e
17400437	6,826515	6,859983	7,020759	7,108752	6,87001	7,009081	6,902419	6,995947667	0,09352867	1,066976696	Aph1a
17516184	3,044641	3,070184	3,079983	3,125089	3,159927	3,19038	3,064936	3,158465333	0,09352933	1,066977189	Olfr910
17394865	6,573974	6,267137	6,694077	6,567319	6,558199	6,690338	6,5117293	6,605285333	0,093556	1,066996911	Sall4
17214293	7,831974	7,684517	7,788898	7,86358	7,839384	7,883106	7,768463	7,862023333	0,09356033	1,067000116	Bcs1l
17337719	10,30325	10,29921	10,2372	10,41216	10,3801	10,32812	10,279887	10,37346	0,09357333	1,067009731	Mut
17320796	9,668749	9,704065	9,643204	9,704683	9,834416	9,757691	9,672006	9,765596667	0,09359067	1,067022551	Twf1
17208831	5,24266	5,583334	6,035771	6,477971	5,028447	5,636123	5,6205883	5,714180333	0,093592	1,067023537	---
17507321	6,656835	7,076488	6,892125	6,985196	6,946089	6,974945	6,8751493	6,968743333	0,093594	1,067025016	Efnb2
17357511	7,772889	7,766227	7,883166	8,055084	7,562411	8,085655	7,8074273	7,90105	0,09362267	1,067046218	---
17239630	5,199678	4,924813	5,256296	5,372586	5,107743	5,181336	5,126929	5,220555	0,093626	1,067048684	4930405J17Rik
17401296	7,691314	7,807889	7,821417	7,793836	7,982361	7,825313	7,77354	7,86717	0,09363	1,067051642	Rsbn1
17385369	2,951409	2,86203	3,106143	3,012642	3,230978	2,956883	2,973194	3,066834333	0,09364033	1,067059285	---
17203715	5,132355	4,792163	4,867692	5,89925	4,893779	4,280115	4,9307367	5,024381333	0,09364467	1,06706249	---
17458407	4,32331	4,241405	4,352623	4,294377	4,690087	4,213834	4,3057793	4,399432667	0,09365333	1,0670689	Abp1
17391963	8,253294	8,152389	8,223292	8,372328	8,229095	8,30859	8,2096583	8,303337667	0,09367933	1,067088131	5730494N06Rik
17406663	9,775396	9,676221	9,803665	9,999792	9,917155	9,619524	9,7517607	9,845490333	0,09372967	1,067125361	---
17436877	6,191827	6,033009	6,127729	6,297482	6,170954	6,165341	6,1175217	6,211259	0,09373733	1,067131031	Ablim2
17336820	4,406765	4,232119	4,253738	4,330044	4,31162	4,532207	4,2975407	4,391290333	0,09374967	1,067140154	Hspa1a // Hspa1a
17393784	5,645365	5,604913	5,32358	5,640395	5,575195	5,639548	5,5246193	5,618379333	0,09376	1,067147798	2010009K17Rik
17231029	4,614742	4,510621	4,574902	4,710665	4,623127	4,647802	4,566755	4,660531333	0,09377633	1,067159879	Fam71a
17299820	6,344151	6,579381	6,467726	6,606519	6,543903	6,522194	6,4637527	6,557538667	0,093786	1,06716703	---
17300012	6,344151	6,579381	6,467726	6,606519	6,543903	6,522194	6,4637527	6,557538667	0,093786	1,06716703	---
17536428	4,49702	4,152366	4,587641	4,711833	4,513531	4,293072	4,4123423	4,506145333	0,093803	1,067179605	Pgr15l
17239634	4,557231	4,472821	4,514271	4,460718	4,573428	4,791588	4,5147743	4,608578	0,09380367	1,067180098	---
17538852	8,740002	8,680077	8,741035	8,785441	8,814986	8,842132	8,7203713	8,814186333	0,093815	1,067188481	Hsd17b10
17326704	2,952866	2,973156	3,214066	3,066114	3,175939	3,179501	3,046696	3,140518	0,093822	1,067193659	Mir125b-2
17434251	4,186006	3,881303	5,060396	5,077272	4,2855	4,046594	4,3759017	4,469788667	0,093887	1,067241742	Gm13298
17373177	7,541959	7,475595	7,372017	7,435222	7,630385	7,605655	7,4631903	7,557087333	0,093897	1,06724914	Sfpi1
17544904	6,138094	6,839411	6,417048	6,72513	6,402619	6,548505	6,464851	6,558751333	0,09390033	1,067251606	Rbm41
17324998	8,197273	8,267993	8,14475	8,207624	8,295278	8,388898	8,2033387	8,297266667	0,093928	1,067272073	Osbpl11
17470433	5,244389	5,109754	5,028406	5,13176	5,508772	5,023805	5,1275163	5,221445667	0,09392933	1,067273059	Cecr6
17454250	6,793278	6,648908	6,211457	6,536466	6,814756	6,58429	6,5512143	6,645170667	0,09395633	1,067293033	Mir25
17372819	3,18176	3,097267	2,70499	3,223528	2,960559	3,08181	2,9946723	3,088632333	0,09396	1,067295746	Olfr1102
17300276	10,44576	10,24443	10,48193	10,50424	10,49035	10,45943	10,390707	10,48467333	0,09396667	1,067300678	---
17496393	4,731183	4,350794	4,56886	4,62325	4,756595	4,552903	4,550279	4,644249333	0,09397033	1,06730339	---
17515906	6,686451	6,754947	6,702233	6,900773	6,8816	6,643176	6,7145437	6,808516333	0,09397267	1,067305117	Rpusd4
17338965	7,170626	7,37159	7,231596	7,317018	7,408633	7,330225	7,2579373	7,351958667	0,09402133	1,067341121	Trip10
17512103	12,25504	12,06749	12,14227	12,26374	12,22194	12,2612	12,154933	12,24896	0,09402667	1,067345067	Got2
17251439	3,185894	3,444706	3,403032	3,474631	3,422342	3,418746	3,344544	3,438573	0,094029	1,067346793	---
17214672	4,826325	4,686221	4,972151	4,874572	4,863448	5,028769	4,8282323	4,922263	0,09403067	1,067348026	Mogat1
17257994	6,890867	6,868603	6,823959	7,0572	6,902692	6,905678	6,861143	6,95519	0,094047	1,06736011	D11Wsu47e
17288414	7,953761	8,313977	8,010743	8,031135	8,347824	8,181684	8,092827	8,186881	0,094054	1,067365289	Med10
17216494	3,180841	3,421744	3,318105	3,287971	3,688066	3,226817	3,3068967	3,400951333	0,09405467	1,067365782	---
17425425	7,858137	7,690009	7,929385	7,99806	7,945201	7,816501	7,8258437	7,919920667	0,094077	1,067382305	Ikbkap
17235792	6,629183	6,308541	6,822325	6,629288	6,61127	6,801768	6,586683	6,680775333	0,09409233	1,06739365	Ankrd24
17419374	6,373662	6,530225	6,793701	6,707086	6,698315	6,574517	6,5658627	6,659972667	0,09411	1,067406721	---
17298468	3,878816	3,535065	3,901005	4,112875	3,723414	3,760956	3,7716287	3,865748333	0,09411967	1,067413873	D830044D21Rik
17225801	5,801826	5,241522	5,346793	5,495565	5,74515	5,431896	5,4633803	5,557537	0,09415667	1,067441248	Pdcd1
17515375	9,467073	9,362809	9,461063	9,518286	9,604534	9,450621	9,430315	9,524480333	0,09416533	1,067447661	Prkcsh
17451128	6,437403	6,385137	6,433877	6,610778	6,527679	6,400466	6,4188057	6,512974333	0,09416867	1,067450127	Pus1
17257059	10,15136	10,1957	10,59058	10,57953	10,1746	10,46603	10,312547	10,40672	0,09417333	1,06745358	---
17550406	4,52727	4,494665	4,767978	4,667944	4,59783	4,806671	4,5966377	4,690815	0,09417733	1,06745654	---
17238482	8,325437	8,242102	8,378481	8,451715	8,334819	8,442024	8,31534	8,409519333	0,09417933	1,06745802	Rnf41
17549130	5,905119	5,809371	5,896299	5,898627	6,12864	5,866103	5,870263	5,964456667	0,09419367	1,067468625	---
17406264	4,555413	4,760737	4,995619	4,835763	4,924536	4,834073	4,7705897	4,864790667	0,094201	1,067474051	---
17393375	7,329839	7,369667	7,299233	7,356277	7,530462	7,394629	7,332913	7,427122667	0,09420967	1,067480464	Uqcc
17394292	5,469596	5,372858	5,509865	5,487388	5,660182	5,487382	5,450773	5,544984	0,094211	1,06748145	Neurl2
17355862	9,083382	8,976604	8,99638	9,106386	9,110878	9,121763	9,0187887	9,113009	0,09422033	1,067488356	1700034H14Rik
17388985	8,507539	8,649965	8,440609	8,571195	8,643371	8,666226	8,5327043	8,626930667	0,09422633	1,067492796	Qser1
17417162	4,541462	4,472978	4,586474	4,541979	4,752588	4,589051	4,533638	4,627872667	0,09423467	1,067498962	---
17385326	5,823098	5,998805	5,873256	5,990565	6,012349	5,974995	5,8983863	5,992636333	0,09425	1,067510307	---
17356016	5,839296	5,879048	5,723335	5,809862	6,207945	5,706633	5,813893	5,908146667	0,09425367	1,067513021	1700055N04Rik
17269908	6,242055	6,607478	6,413506	6,52677	6,517875	6,501162	6,421013	6,515269	0,094256	1,067514747	Ifi35 // Ifi35
17322923	4,432908	4,52417	4,650714	4,712757	4,565705	4,612108	4,5359307	4,63019	0,09425933	1,067517214	Gm4262
17427160	3,969214	3,894915	3,686169	4,143468	3,991647	3,697996	3,8500993	3,944370333	0,094271	1,067525846	Gm12633
17456495	5,588621	5,386994	5,541327	5,524458	5,659763	5,615569	5,5056473	5,59993	0,09428267	1,067534479	Fscn3
17399112	7,523105	7,624281	7,712211	7,845087	7,647822	7,649541	7,6198657	7,71415	0,09428433	1,067535712	Arhgef2
17340422	6,808423	6,321652	6,569809	6,631516	6,744073	6,607252	6,566628	6,660947	0,094319	1,067561365	---
17201051	6,860236	7,555316	7,056684	6,719666	7,267188	7,768344	7,157412	7,251732667	0,09432067	1,067562598	---
17395366	9,394182	9,252948	9,696839	9,568454	9,651454	9,407078	9,4479897	9,542328667	0,094339	1,067576164	---
17496102	6,332991	6,244134	6,553624	6,354645	6,49965	6,559499	6,3769163	6,471264667	0,09434833	1,067583071	Gsg1l
17218889	9,608598	9,618839	9,625538	9,730989	9,677914	9,727158	9,6176583	9,712020333	0,094362	1,067593184	Slc19a2
17207763	4,987889	4,725449	4,713674	4,999664	4,670002	5,040438	4,809004	4,903368	0,094364	1,067594664	---
17470665	3,239876	3,331847	3,074178	3,363936	3,237321	3,327758	3,2153003	3,309671667	0,09437133	1,067600091	Vmn2r25
17416643	9,539776	9,319997	9,47972	9,635956	9,533549	9,453104	9,4464977	9,540869667	0,094372	1,067600584	Zcchc11
17344850	4,777911	4,984329	5,332323	5,20685	4,829286	5,341587	5,031521	5,125907667	0,09438667	1,067611438	Olfr95
17203825	3,772751	3,435676	3,364786	3,518902	3,715029	3,622464	3,5244043	3,618798333	0,094394	1,067616864	---
17320610	4,59232	4,391232	4,894727	4,543678	4,987072	4,630738	4,626093	4,720496	0,094403	1,067623525	Spn-ps
17392968	5,259424	4,867475	5,28588	5,063664	5,357802	5,274534	5,137593	5,232	0,094407	1,067626485	Defb19
17414450	5,85322	5,94671	5,936337	6,032507	6,066103	5,920918	5,912089	6,006509333	0,09442033	1,067636352	---
17510200	7,657418	7,633267	7,770916	7,666244	7,799708	7,878911	7,6872003	7,781621	0,09442067	1,067636598	Arrdc2
17320858	4,362284	4,15299	4,165556	4,245302	4,402919	4,315923	4,2269433	4,321381333	0,094438	1,067649426	D030018L15Rik
17385272	10,6504	10,66424	10,56069	10,71979	10,68573	10,75313	10,62511	10,71955	0,09444	1,067650906	Arl5a
17398416	6,862455	7,315902	6,837648	7,238033	7,173833	6,887506	7,005335	7,099790667	0,09445567	1,0676625	Pdgfc
17528079	8,393674	8,098471	7,944358	8,104821	8,338303	8,276749	8,145501	8,239957667	0,09445667	1,06766324	2300009A05Rik
17207177	3,614041	3,465104	3,825188	3,484923	4,044841	3,657993	3,6347777	3,729252333	0,09447467	1,067676561	---
17326467	5,651142	5,790297	5,816677	5,755023	5,923493	5,863071	5,7527053	5,847195667	0,09449033	1,067688155	---
17450311	4,91001	4,740181	4,892269	5,046525	4,910628	4,868796	4,8474867	4,941983	0,09449633	1,067692595	4930429D17Rik // 4930429D17Rik
17207397	5,20549	5,894578	5,699549	5,630205	5,700896	5,752049	5,5998723	5,694383333	0,094511	1,06770345	---
17499828	6,647029	6,637878	6,652484	6,806729	6,739957	6,674239	6,645797	6,740308333	0,09451133	1,067703696	Defb35 // Defb35

17226346	8,123419	8,433391	7,97178	8,21019	8,465455	8,136536	8,1761967	8,270727	0,09453033	1,067717758	Insig2	
17475512	4,17942	4,34418	4,406109	4,365401	4,492816	4,355103	4,309903	4,40444	0,094537	1,067722692	Cyp2t4	
17291534	8,21504	8,204078	8,023401	8,276326	8,179515	8,270319	8,1475063	8,242053333	0,094547	1,067730093	Cdkal1	
17377065	5,139983	5,281383	5,41646	5,449107	5,397626	5,274812	5,2792753	5,373848333	0,094573	1,067749335	Zfp133-ps	
17518809	4,819112	4,598134	4,938326	5,075407	4,933197	4,630693	4,7851907	4,879765667	0,094575	1,067750816	Gm19299	
17200969	9,076408	8,987083	9,345303	9,013503	9,347416	9,3316	9,1362647	9,230839667	0,094575	1,067750816	---	
17208251	6,205854	5,461145	6,617175	6,500987	6,184262	5,882674	6,0947247	6,189307667	0,094583	1,067756736	---	
17361344	8,643007	8,46441	8,664053	8,886713	8,553964	8,614577	8,59049	8,685084667	0,09459467	1,067765371	Rbm14	
17429829	6,027109	5,960687	6,140944	6,04436	6,226559	6,141623	6,0429133	6,137514	0,09460067	1,067769812	---	
17284498	3,748636	3,79275	3,680138	3,940766	3,814417	3,750164	3,740508	3,835115667	0,09460767	1,067774993	---	
17209081	8,109154	8,108836	8,593477	8,350943	8,084993	8,659355	8,270489	8,365097	0,094608	1,067775239	---	
17339630	9,39113	9,558956	9,341091	9,521233	9,570473	9,483322	9,4303923	9,525009333	0,094617	1,067781901	Birc6	
17487137	5,244339	5,268231	5,274015	5,369059	5,333546	5,367863	5,262195	5,356822667	0,09462767	1,067789795	Nova2 // Nova2	
17448533	3,109648	3,102078	3,141736	3,043319	3,188349	3,405703	3,1178207	3,212457	0,09463633	1,06779621	---	
17206937	4,938601	4,895927	4,804142	4,784716	5,045338	5,092549	4,8795567	4,974201	0,09464433	1,067802131	---	
17529290	6,638302	6,415518	6,491215	6,669909	6,589639	6,56944	6,5150117	6,609662667	0,094651	1,067807065	Lca5	
17393962	5,663221	5,541813	5,560497	5,629744	5,765789	5,653983	5,5885103	5,683172	0,09466167	1,06781496	Ptprt	
17379957	4,883528	5,124937	4,997925	5,127425	4,996561	5,166398	5,00213	5,096794667	0,09466467	1,067817181	---	
17214757	5,016719	5,282126	5,397047	5,432764	5,206828	5,340295	5,231964	5,326629	0,094665	1,067817427	Gm19537 // Gm19537	
17534489	3,914464	3,814891	3,875685	3,954203	4,044968	3,889926	3,8683467	3,963032333	0,09468567	1,067832724	1110059M19Rik	
17207827	7,286254	6,347573	6,753513	6,895795	6,613543	7,162159	6,79578	6,890499	0,094719	1,067857397	---	
17547978	9,884557	10,09472	10,06371	10,13718	10,12665	10,06337	10,014329	10,10906667	0,09473767	1,067871213	---	
17535362	5,055044	5,33493	5,028391	5,203316	5,437184	5,062086	5,139455	5,234195333	0,09474033	1,067873187	Vma21	
17468633	7,414063	7,252872	7,334957	7,389503	7,396516	7,500109	7,333964	7,428709333	0,09474533	1,067876888	Aplf	
17450618	7,631886	7,588662	7,371976	7,688986	7,560012	7,62778	7,5308413	7,625592667	0,09475133	1,067881329	Tgfbr3	
17295861	8,697812	8,900758	8,77378	8,966081	8,74979	8,940754	8,7907833	8,885541667	0,09475833	1,067886511	Srek1	
17541383	8,56468	8,276571	8,442059	8,501404	8,482775	8,583537	8,4278033	8,522572	0,09476867	1,06789416	Zdhhc9	
17288896	10,8856	10,95365	10,5488	10,6893	10,92398	11,05908	10,796017	10,89078667	0,09477	1,067895147	Actg1	
17278704	5,805628	5,794916	5,924243	5,916739	6,082986	5,809437	5,8415957	5,936387333	0,09479167	1,067911184	Rtl1 // Rtl1	
17507128	5,58474	5,346658	5,547354	5,550964	5,611897	5,600283	5,4929173	5,587714667	0,09479733	1,067915379	2400009B08Rik	
17434027	5,552249	6,049799	5,446857	5,814021	5,86758	5,651719	5,6829683	5,777773333	0,094805	1,067921054	Plekhn1	
17394718	6,698607	6,722331	6,861738	6,750188	6,956351	6,860562	6,760892	6,855700333	0,09480833	1,067923522	Ube2v1	
17312209	10,38104	10,56053	10,23357	10,6047	10,43298	10,42189	10,391713	10,48652333	0,09481	1,067924755	Ly6e	
17264320	3,744775	3,927222	3,802995	3,912843	3,904349	3,942239	3,8249973	3,919810333	0,094813	1,067926976	---	
17526550	6,033692	5,96412	5,784976	6,142998	5,863363	6,060873	5,927596	6,022411333	0,09481533	1,067928703	---	
17278398	5,527941	5,576398	5,576902	5,617489	5,702429	5,645801	5,5604137	5,655239667	0,094826	1,067936599	Bdkrb2	
17460634	4,665873	4,602319	4,746878	4,55405	5,071834	4,673686	4,67169	4,766523333	0,09483333	1,067942027	Gata2	
17263063	5,485576	5,645248	5,73182	5,635125	5,76203	5,749998	5,6208813	5,715717667	0,09483633	1,067944248	Hand1	
17224251	5,457185	5,565273	5,703759	5,527003	5,695184	5,788557	5,5754057	5,670248	0,09484233	1,06794869	Cxcr1	
17210783	6,026395	5,579272	5,51721	5,780478	6,338648	5,288403	5,7076257	5,802509667	0,094884	1,067979534	---	
17299019	6,466181	6,249333	6,108645	6,424839	6,308946	6,375048	6,2747197	6,369611	0,09489133	1,067984962	Gm5622 // Gm5622	
17234441	7,935784	7,754691	7,461997	7,811665	7,708316	7,917172	7,7174907	7,812384333	0,09489367	1,06798669	Vpreb3	
17334021	3,004911	3,324822	3,067994	3,128838	3,461489	3,092236	3,1325757	3,227521	0,09494533	1,068024938	Vmn2r112	
17465236	2,973095	2,973493	2,973095	3,031362	3,085133	3,088035	2,9732277	3,068176667	0,094949	1,068027652	---	
17448767	10,01428	9,959067	9,681863	9,90291	10,05712	9,980051	9,88507	9,980027	0,094957	1,068033574	---	
17495168	6,041685	5,841265	6,075626	6,275744	5,973884	5,993917	5,986192	6,081181667	0,09498967	1,068057758	1700012D14Rik // 1700012D14Rik	
17432964	3,958127	3,796311	3,891678	3,866668	3,90281	4,161607	3,8820387	3,977028333	0,09498967	1,068057758	---	
17456219	6,575242	6,727296	6,384438	6,606714	6,711121	6,654139	6,5623253	6,657324667	0,09499933	1,068064914	St7	
17395300	3,153102	3,222701	3,078893	3,353409	3,150557	3,235737	3,1515653	3,246567667	0,09500233	1,068067135	---	
17326208	7,748971	7,674497	7,693666	7,777224	7,815554	7,809376	7,7057113	7,800718	0,09500667	1,068070344	Cblb	
17548051	4,739813	4,997963	4,704388	4,88337	4,919368	4,924502	4,8140547	4,90908	0,09502533	1,068084163	A730098P11Rik // A730098P11Rik	
17223344	4,937519	5,103727	5,113058	5,349808	4,907434	5,182146	5,0514347	5,146462667	0,095028	1,068086137	---	
17245120	4,006719	4,101068	4,277695	4,04216	4,294183	4,334345	4,128494	4,223562667	0,09506867	1,068116245	1700030O20Rik	
17499660	8,618632	8,191402	8,061899	8,719987	8,114794	8,322397	8,2906443	8,385726	0,09508167	1,06812587	9530057J20Rik	
17363865	9,072714	9,128566	9,138948	9,003188	9,33358	9,288789	9,1134093	9,208519	0,09510967	1,0681466	Gldc	
17343768	7,622984	7,80408	7,662495	7,738468	7,709037	7,927391	7,6965197	7,791632	0,09511233	1,068148575	Brd2	
17408926	4,717124	4,786325	4,641995	4,87933	4,666223	4,88526	4,715148	4,810271	0,095123	1,068156472	BC051070	
17464490	3,622397	3,601713	3,50012	3,763336	3,572655	3,67367	3,5747433	3,669887	0,09514367	1,068171774	---	
17337021	5,646131	5,785583	5,749498	5,894459	5,752635	5,819556	5,7270707	5,822216667	0,095146	1,068173501	---	
17303623	7,793723	8,007282	7,920246	7,951345	8,05429	8,001061	7,9070837	8,002232	0,09514833	1,068175229	---	
17498791	6,960774	7,230865	7,002316	7,204178	7,144265	7,131052	7,0646517	7,159831667	0,09518	1,068198675	Map2k7	
17540488	3,100962	2,929687	3,135009	3,090299	3,145454	3,215511	3,0552193	3,150421333	0,095202	1,068214964	---	
17303135	5,771762	5,786262	5,593649	5,89635	5,540705	6,00024	5,7172243	5,812431667	0,09520733	1,068218913	---	
17205229	3,555466	3,951591	3,788374	3,916347	3,799258	3,86546	3,7651437	3,860355	0,09521133	1,068221875	---	
17209419	3,555466	3,951591	3,788374	3,916347	3,799258	3,86546	3,7651437	3,860355	0,09521133	1,068221875	---	
17451922	6,858144	6,808219	6,783871	6,93186	6,795732	7,00834	6,8167447	6,911977333	0,09523267	1,068237671	---	
17209677	4,865495	4,556811	4,133001	4,510545	4,404835	4,925682	4,5184357	4,613687333	0,09525167	1,06825174	---	
17378692	9,148461	9,22043	9,284461	9,370911	9,317667	9,250579	9,217784	9,313052333	0,09526833	1,068264081	Rpn2	
17490599	6,286224	7,226315	7,472899	7,190442	7,040634	7,040184	6,995146	7,09042	0,095274	1,068268277	Rps11	
17354345	4,175581	4,020575	4,121047	4,341194	4,069187	4,192679	4,1057343	4,20102	0,09528567	1,068276916	---	
17402305	8,04067	8,110203	7,828071	8,07004	8,071468	8,123418	7,9929813	8,088308667	0,09532733	1,068307769	Bcar3	
17256618	9,638172	9,548151	9,505642	9,628523	9,721693	9,627735	9,5639883	9,659317	0,09532867	1,068308756	Vps25	
17339174	6,96327	6,792828	6,771058	6,941305	7,020967	6,85087	6,8423853	6,937714	0,09532867	1,068308756	Wash	
17474679	6,191321	6,223739	6,037724	6,326853	6,189753	6,22218	6,150928	6,246262	0,095334	1,068312706	---	
17447787	5,291864	5,152039	5,449537	5,456514	5,478784	5,244184	5,2978133	5,393160667	0,09534733	1,068322579	Gm7854	
17257942	3,636705	3,618409	3,607034	3,774442	3,722806	3,651007	3,620716	3,716085	0,095369	1,068338623	---	
17241847	3,616678	3,21161	3,390043	3,389617	3,662134	3,452712	3,4061103	3,501487667	0,09537733	1,068344794	---	
17518680	7,795068	7,729325	7,875012	7,570672	8,079221	8,035683	7,7998017	7,895192	0,09539033	1,068354421	Dapk2	
17348050	4,960446	4,802247	4,420872	4,768248	5,218257	4,483232	4,727855	4,823245667	0,09539067	1,068354668	---	
17203447	6,732223	6,122221	6,123882	5,934442	6,233973	7,096114	6,3261087	6,421509667	0,095401	1,06836232	---	
17514822	6,626243	6,754558	6,605865	6,97753	6,526565	6,768809	6,662222	6,757634667	0,09541267	1,06837096	Taf1d	
17256440	6,936298	7,00008	7,157385	7,033324	7,151808	7,194921	7,0312543	7,126684333	0,09543	1,068383796	Stat5a	
17378995	3,888482	3,882528	3,94648	4,150244	3,951453	3,902163	3,90583	4,001286667	0,09545667	1,068403544	4933416E03Rik	
17422415	4,836485	4,716612	5,097459	4,866562	4,917993	5,152428	4,8835187	4,978994333	0,09547567	1,068417615	Mmel1	
17318008	5,317714	4,912902	5,373701	5,335645	5,153586	5,401542	5,201439	5,296924333	0,09548533	1,068424774	2300005B03Rik	
17251728	6,139813	6,274773	6,338929	6,391925	6,300746	6,34733	6,2511717	6,346667	0,09549533	1,068432179	Zbtb4	
17305493	5,915649	5,609705	5,304411	5,996329	5,515611	5,604384	5,6099217	5,705441333	0,09551967	1,0684502	Gm10375	
17269214	8,673932	8,425666	8,632681	8,730963	8,566022	8,721928	8,5774263	8,672971	0,09554467	1,068468715	---	
17380306	6,296443	6,269826	6,364848	6,431282	6,367671	6,4188	6,3103723	6,405917667	0,09554533	1,068469209	Gnas	
17356616	5,862964	5,789459	6,062542	5,973188	6,03056	5,997855	5,9049883	6,000534333	0,095546	1,068469703	BC048609	
17279464	5,010017	5,020446	5,186385	5,291836	5,118143	5,093512	5,0722827	5,167830333	0,09554767	1,068470937	Tex22	
17516427	3,97057	4,261145	4,078313	4,351138	4,096217	4,149333	4,1033427	4,198896	0,09555333	1,068475134	---	
17463300	3,565267	3,6068	3,562558	3,585916	3,880527	3,554855	3,5782083	3,673766	0,09555767	1,068478343	---	
17461196	4,099207	4,176322	4,130311	4,414131	4,139216	4,139216	4,13528	4,230854333	0,09557433	1,068490687	Gm9871	
17456369	4,152215	4,084779	3,989243	4,19662	4,177085	4,13928	4,0754123	4,170995	0,09558267	1,068496859	Wnt16	
17326964	6,281061	6,392516	6,236794	6,335532	6,479577	6,382026	6,303457	6,399045	0,095588	1,068500809	Hunk	
17543460	4,341455	4,176527	4,485665	4,488209	4,079267	4,722941	4,334549	4,430139	0,09559	1,06850229	Awat2	
17549304	6,959064	6,760245	6,807141	6,937129	7,100959	6,775149	6,84215	6,937745667	0,09559567	1,068506487	---	
17357805	5,281646	5,224228	5,338962	5,403862	5,366825	5,360955	5,281612	5,377214	0,095602	1,068511178	Pfpl	
17500209	4,092813	3,964612	4,086565	4,19319	4,138039	4,099635	4,0479967	4,143621333	0,09562467	1,068527965	Kcnu1	
17517831	5,36541	5,218366	5,514204	5,519148	5,494512	5,37124	5,3659933	5,461633333	0,09564	1,068539322	Cyp11a1	
17207887	5,680024	5,433661	5,46461	5,697741	5,697298	5,470181	5,5260983	5,62174	0,09564167	1,068540557	---	
17453043	5,249932	5,273946	5,369821	5,244983	5,441728	5,493916	5,2978997	5,393542333	0,09564267	1,068541297	Tmem132d	
17385361	3,732244	3,569722	4,24176	3,916214	4,184819	3,729643	3,8479087	3,943558667	0,09565	1,068546729	---	
17415700	3,223363	3,108821	3,213881	3,316357	3,266536	3,250124	3,1820217	3,277672333	0,09565067	1,068547222	---	
17428850	6,584719	6,81535	6,895536	6,838831	6,867562	6,876173	6,7652017	6,860855333	0,09565367	1,068549444	Rnf220	
17395342	3,883077	3,909027	3,838748	4,048649	3,966502	3,902715	3,8769507	3,972622	0,09567133	1,06856253	---	
17220600	4,346772	3,976237	3,977335	4,248971	4,3136	4,024895	4,1001147	4,195822	0,09570733	1,068589194	D1Pas1	
17128582	9,049053	9,050161	9,05833	9,108835	9,064365	9,27147	9,0525147	9,148223333	0,09570867	1,068590182	Ppil2	
17372792	3,267048	3,048386	3,287997	3,194558	3,457996	3,238083	3,2011437	3,296879	0,09573533	1,068609934	Olfr1033	
17312480	6,307468	6,398798	6,377449	6,534994	6,516197	6,319759	6,3612383	6,456983333	0,095745	1,068617094	Scx	
17477245	5,766687	5,721686	5,451629	5,670593	5,865363	5,691364	5,6466673	5,74244	0,09577267	1,068637587	Klk7	
17535338	3,876853	3,966872	4,031687	4,045055	4,049181	4,068496	3,9584707	4,054244	0,09577333	1,068638081	---	
17336725	7,131304	7,13345	7,151744	7,150921	7,393308	7,159595	7,1388327	7,234608	0,09577533	1,068639562	Dom3z	
17289549	3,554029	3,129924	2,991803	3,421649	3,374084	3,167395	3,225252	3,321042667	0,09579067	1,06865092	---	
17262350	12,59987	12,69561	12,66724	12,72776	12,77102	12,75132	12,65424	12,75003333	0,09579333	1,068652895	---	
17204973	7,211289	6,338959	6,087886	6,381208	6,775074	6,76925	6,5460447	6,641844	0,09579933	1,06865734	---	
17486067	3,327933	3,390281	3,273369	3,362103	3,5042	3,412712	3,3305277	3,426338333	0,09581067	1,068665735	Vmn1r65	
17338615	3,219179	3,274667	3,403413	3,145919	3,507856	3,531035	3,2990863	3,394936667	0,09585033	1,068695118	---	
17547757	4,191235	4,210738	4,176828	4,295901	4,212361	4,358108	4,1929337	4,28879	0,09585633	1,068699563	AA414992	
17521621	5,609974	5,546614	5,848983	5,883974	5,668968	5,740232	5,6685237	5,764391333	0,09586767	1,068707958	Amigo3	
17549898	8,320114	8,658999	8,746847	8,57346	8,710635	8,729503	8,57532	8,671199333	0,09587933	1,0687166	---	
17510948	9,133737	9,236116	9,108851	9,295437	9,252401	9,218512	9,159568	9,25545	0,095882	1,068718576	Cd97	
17368473	4,626705	4,687694	4,568419	4,930593	4,597637	4,642253	4,627606	4,723494333	0,09588833	1,068723267	---	
17525839	5,055716	5,023256	4,875972	4,829795	5,059222	5,353625	4,9849813	5,080880667	0,09589933	1,068731416	9030425E11Rik // 9030425E11Rik	
17286867	3,858177	3,757961	3,441656	3,666163	4,178867	3,50048	3,6859313	3,781836667	0,09590533	1,068735861	---	
17486216	5,944803	5,367925	5,306061	5,318567	5,929862	5,658154	5,5395963	5,635527667	0,09593133	1,068755121	Vmn2r32	
17459315	3,956097	3,906384	3,820093	4,572119	3,356297	4,042004	3,8941913	3,99014	0,09594867	1,068767962	---	
17461828	7,284802	7,510415	7,574857	7,697321	7,326617	7,633997	7,4566913	7,552645	0,09595367	1,068771666	Tatdn2	
17431136	6,020273	6,029446	6,25899	6,160395	6,195775	6,240424	6,102903	6,198864667	0,09596167	1,068777593	Hmgn2	
17226874	8,257546	8,296318	8,411715	8,24354	8,436686	8,573246	8,3218597	8,417824	0,09596433	1,068779568	Tmcc2	
17456991	3,346648	3,536016	3,720983	3,610129	3,632361	3,649167	3,534549	3,630552333	0,09600333	1,068808461	---	
17266619	5,192089	4,863516	5,005357	5,202318	5,116729	5,029957	5,0203207	5,116334667	0,096014	1,068816363	---	
17325736	6,785356	6,674637	6,855189	6,956893	6,850668	6,795669	6,7717273	6,867743333	0,096016	1,068817845	2610015P09Rik	

17451578	8,371495	8,205609	8,196222	8,364056	8,318469	8,37887	8,2577753	8,353798333	0,096023	1,068823031	Git2
17366670	7,801351	8,025794	7,763765	7,990268	7,969436	7,91929	7,8636367	7,959664667	0,096028	1,068826735	Itih5
17326491	4,180563	4,176429	4,140103	4,264357	4,239685	4,281145	4,1656983	4,261729	0,09603067	1,068828711	4930547E14Rik // 4930547E14Rik
17319366	5,594334	5,336386	5,425993	5,608762	5,530173	5,505914	5,4522377	5,548283	0,09604533	1,068839576	Cbx7
17218277	5,616877	5,497542	5,776145	5,625796	5,750895	5,80202	5,630188	5,726237	0,096049	1,068842293	Nmnat2
17288854	5,940363	5,676727	6,087328	5,903542	6,045386	6,043689	5,9014727	5,997539	0,09606633	1,068855135	Pou5f2
17549892	5,847322	5,23487	5,197691	5,839597	5,06983	5,658663	5,4266277	5,522696667	0,096069	1,06885711	---
17395981	3,653465	3,663991	3,589761	3,722569	3,795656	3,677225	3,635739	3,731816667	0,09607767	1,068863531	---
17395060	6,993928	7,135571	7,270849	7,069506	7,364218	7,25489	7,1334493	7,229538	0,09608867	1,068871681	Rbm38
17207361	4,482588	5,17571	4,670006	5,037066	4,920023	4,659481	4,7761013	4,87219	0,09608867	1,068871681	---
17238894	6,579029	6,826834	6,726005	6,740909	6,943947	6,735347	6,7106227	6,806734333	0,09611167	1,068888722	Syne1
17542925	3,511282	3,840273	3,522307	3,589329	3,82084	3,752074	3,6246207	3,720747667	0,096127	1,068900082	5430402E10Rik
17524209	10,39421	10,4826	10,33975	10,55912	10,54229	10,40354	10,40552	10,50165	0,09613	1,068902305	---
17463205	7,351285	7,304328	7,16499	7,351731	7,397515	7,359755	7,2735343	7,369667	0,09613267	1,06890428	Vwf
17257657	5,399721	5,395674	5,511109	5,680043	5,303217	5,611676	5,4355013	5,531645333	0,096144	1,068912677	---
17441365	9,380184	9,122064	9,258882	9,390709	9,31655	9,342354	9,25371	9,349871	0,096161	1,068925273	Taok3
17412907	6,232646	5,902001	6,042514	6,127923	6,028235	6,30952	6,0590537	6,155226	0,09617233	1,06893367	---
17366497	9,249929	9,327974	9,186041	9,280591	9,389735	9,382141	9,254648	9,350822333	0,09617433	1,068935152	Sephs1
17333854	10,1871	10,11578	10,10305	10,2009	10,24578	10,24778	10,13531	10,23148667	0,09617667	1,068936881	Ppp2r1a
17548932	4,629611	4,23535	4,511793	4,466146	4,74618	4,452972	4,458918	4,555099333	0,09618133	1,068940339	Rgs2 // Rgs2
17545543	5,576629	5,494697	5,568031	5,498996	5,791206	5,637707	5,5464523	5,642636333	0,096184	1,068942314	Gm16390
17376423	6,065957	6,099803	6,334484	6,35925	6,264356	6,165253	6,166748	6,262953	0,096205	1,068957874	Hspa12b
17246489	3,225123	3,169223	2,941344	3,257985	3,364103	3,002292	3,1118967	3,208126667	0,09623	1,068976398	Vmn2r86
17548321	6,299128	6,000259	6,264776	6,227544	6,2774	6,347991	6,1880543	6,284311667	0,09625733	1,068996651	LOC100862248
17445699	4,29425	4,282298	4,002779	4,373826	4,383364	4,110914	4,193109	4,289368	0,096259	1,068997886	4930519H02Rik // 4930519H02Rik
17463812	9,123004	9,143991	9,124142	9,205237	9,235944	9,238754	9,130379	9,226645	0,096266	1,069003073	Atf7ip
17429846	5,049955	4,597573	4,631504	4,816241	5,052731	4,698891	4,7596773	4,855954333	0,096277	1,069011224	1700057H15Rik
17226313	7,834531	7,71067	7,797732	7,737108	7,97544	7,919263	7,7809777	7,877270333	0,09629267	1,069022832	Steap3
17395649	5,401135	5,463645	5,466419	5,506157	5,546037	5,567922	5,443733	5,540038667	0,09630567	1,069032465	Tcfl5
17444052	5,534816	5,304473	5,450411	5,466097	5,612551	5,500024	5,4299	5,526224	0,096324	1,06904605	---
17304273	7,917563	8,017391	7,899799	7,895955	8,176596	8,051207	7,9449177	8,041252667	0,096335	1,069054201	Ccdc66
17407708	8,123888	8,266207	8,011737	8,169701	8,284439	8,236698	8,133944	8,230279333	0,09633533	1,069054448	Scnm1
17217440	6,890562	7,305276	7,097915	7,24857	7,093897	7,240294	7,0979177	7,194253667	0,096336	1,069054942	Cyb5r1
17406962	5,583608	5,399128	5,830276	5,668221	5,809842	5,623974	5,6043373	5,700679	0,09634167	1,069059141	Trim46
17405667	10,14063	10,15319	10,01095	10,16251	10,27706	10,15423	10,10159	10,19793333	0,09634333	1,069060376	Ssr3
17322927	7,429299	7,423457	7,65815	7,564596	7,667735	7,567636	7,5036353	7,599989	0,09635367	1,069068034	Snn
17202925	5,42872	5,354319	5,519642	5,324183	5,581573	5,686044	5,434227	5,5306	0,096373	1,06908236	---
17207395	6,556177	4,64034	5,502211	5,446381	5,868129	5,673466	5,5662427	5,662658667	0,096416	1,069114225	---
17468486	10,40385	10,23945	10,26205	10,33302	10,43182	10,42984	10,301783	10,39822667	0,09644333	1,069134481	Pcyox1
17398721	3,535915	3,309672	3,636797	3,88897	3,572813	3,310033	3,494128	3,590605333	0,09647733	1,069159677	---
17536979	4,046156	4,101388	4,066462	4,135125	3,930966	4,437357	4,0713353	4,167816	0,09648067	1,069162148	Tsix
17257683	8,163435	8,25198	8,060084	8,304412	8,199903	8,26063	8,1584997	8,254981667	0,096482	1,069163136	Helz
17358138	8,529586	8,810251	8,51361	8,834171	8,732877	8,575857	8,6178157	8,714301667	0,096486	1,0691661	Tmem2
17201013	7,959837	8,114442	7,613335	7,714648	8,041121	8,22131	7,8958713	7,992359667	0,09648833	1,069167829	---
17333375	4,301293	4,038341	4,503222	4,406658	4,432403	4,29328	4,280952	4,377447	0,096495	1,06917277	Smok2a
17361299	6,857847	6,425262	6,614026	6,733757	6,790146	6,662724	6,6323783	6,728875667	0,09649733	1,069174499	2010003K11Rik
17407416	4,798386	4,608094	4,601449	4,662488	4,794018	4,840932	4,6693097	4,765812667	0,096503	1,069178699	Sprr4
17345099	5,12722	5,245736	5,294954	5,239552	5,592722	5,125254	5,2226367	5,319176	0,09653933	1,069205626	Tdrd6
17324185	6,550559	6,822342	6,597071	6,696637	6,832615	6,730353	6,6566573	6,753201667	0,09654433	1,069209331	Vps8
17476232	5,471178	5,469792	5,073487	5,316937	5,467197	5,519969	5,3381523	5,434701	0,09654867	1,069212543	Zfp383
17382920	6,988736	6,996363	7,18437	7,155691	7,128882	7,174555	7,0564897	7,153042667	0,096553	1,069215754	Card9
17270104	9,97898	9,735028	9,881402	9,989544	9,966777	9,928797	9,8651367	9,961706	0,09656933	1,069227859	---
17456428	5,130296	5,142215	5,138461	5,253505	5,437007	5,010171	5,1369907	5,233561	0,09657033	1,0692286	Lmod2
17467806	6,810518	6,625031	6,649006	6,667354	6,773456	6,933471	6,6948517	6,791427	0,09657533	1,069232306	Tcf7l1
17248226	4,843204	4,779491	4,840596	4,668542	5,025623	5,058857	4,821097	4,917674	0,096577	1,069233541	4930524B15Rik
17434112	5,667106	5,355157	6,355996	6,513117	5,567663	5,587234	5,792753	5,889338	0,096585	1,06923947	4933409K07Rik // 4933409K07Rik
17309853	4,678856	4,383284	4,500607	4,770404	4,519394	4,562715	4,5209157	4,617504333	0,09658867	1,069242188	Heatr7b2
17272047	6,344623	6,213287	6,052121	6,458056	6,160136	6,281796	6,2033437	6,299996	0,09665233	1,069289375	Recql5
17406629	4,843373	4,446669	5,012797	4,597496	5,010273	4,985035	4,767613	4,864268	0,096655	1,069291351	Bcan
17509716	3,21828	3,009384	3,047793	3,241738	3,270693	3,053003	3,091819	3,188478	0,096659	1,069294316	---
17203707	7,525279	6,50383	7,336613	7,162642	6,944719	7,548347	7,1219073	7,218569333	0,096662	1,06929654	---
17315012	5,094992	5,222376	5,427324	5,206306	5,46606	5,362341	5,2482307	5,344902333	0,09667167	1,069303704	AB099516 // Higd1c
17450536	5,85732	5,589368	5,951831	5,896921	5,993914	5,797707	5,7995063	5,896180667	0,09667433	1,069305681	Barhl2
17300367	6,758513	6,085874	6,988423	7,390065	5,638825	7,093967	6,6109367	6,707619	0,09668233	1,069311611	---
17430660	3,153841	3,144183	3,619078	3,439805	3,475218	3,292167	3,3057007	3,402396667	0,096696	1,06932174	---
17355332	5,039877	5,018004	5,05157	5,284088	4,982028	5,133482	5,0364837	5,133199333	0,09671567	1,069336317	Dcc
17374519	7,044182	7,075102	7,033613	7,086384	7,179933	7,176729	7,0509657	7,147682	0,09671633	1,069336811	Eif2ak4
17346666	6,180385	6,170555	6,432582	6,465159	6,279909	6,328632	6,261174	6,3579	0,096726	1,069343976	4930405O22Rik
17349937	4,307857	4,357038	4,31246	4,546286	4,411756	4,309508	4,325785	4,422516667	0,09673167	1,069348177	Pcdhb19
17348456	10,48286	10,62307	10,45945	10,51241	10,72802	10,61517	10,521793	10,61853333	0,09674	1,069354353	---
17275425	9,811596	9,841569	9,744629	9,927282	9,914478	9,846277	9,7992647	9,896012333	0,09674767	1,069360036	Arhgap5
17441191	6,994562	6,727583	7,101254	6,838961	7,152179	7,122505	6,941133	7,037881667	0,09674867	1,069360777	Rplp0
17309799	3,764467	3,459836	3,747237	3,744872	3,717706	3,799215	3,65718	3,753931	0,096751	1,069362507	A630020A06
17514799	4,900165	5,060264	5,045887	5,176805	5,019481	5,100299	5,0021053	5,098861667	0,09675633	1,06936646	2200002K05Rik
17203777	3,17054	3,742245	3,320472	3,019182	4,272633	3,231734	3,4110857	3,507849667	0,096764	1,069372143	---
17326598	4,124046	4,009004	3,94117	4,162823	4,170001	4,031701	4,02474	4,121508333	0,09676833	1,069375355	4930567J20Rik // 4930567J20Rik
17255202	4,687724	4,752921	4,812475	4,77485	4,942365	4,826227	4,75104	4,847814	0,096774	1,069379555	---
17392266	5,182161	4,827029	5,163608	5,129264	5,205035	5,128853	5,0575993	5,154384	0,09678467	1,069387462	Gm19854 // Gm19854
17324510	4,629819	4,486227	4,942609	4,660951	4,930676	4,757504	4,6862183	4,783043667	0,09682533	1,069417606	---
17324641	5,322186	5,388906	5,479208	5,479208	5,740291	5,261317	5,3967667	5,493605333	0,09683867	1,06942749	---
17376124	9,471799	9,384895	9,444023	9,426428	9,723207	9,441626	9,4335723	9,530420333	0,096848	1,069434408	Slc20a1
17239468	9,384467	9,524687	9,36165	9,493035	9,446147	9,622169	9,4236013	9,520450333	0,096849	1,069435149	---
17291098	3,187132	3,421872	3,352467	3,362698	3,590862	3,298502	3,3204903	3,417354	0,09686367	1,069446021	Vmn1r211
17346679	9,566855	9,547338	9,494716	9,616983	9,70146	9,58109	9,536303	9,633177667	0,09687467	1,069454176	Pja2
17230231	7,765938	7,86726	7,536205	7,942642	7,866755	7,650687	7,7231343	7,820028	0,09689367	1,06946826	Akt3
17202107	7,483806	7,029915	6,820918	7,657934	6,775211	7,192206	7,1115463	7,208450333	0,096904	1,06947592	---
17455708	4,858567	4,69331	4,437142	4,94452	4,595205	4,740022	4,6630063	4,759915667	0,09690933	1,069479874	Gm3286 // Gm3286
17269220	3,638662	3,781683	3,373652	3,766118	3,739446	3,579175	3,597999	3,694913	0,096914	1,069483333	Gm11595
17526261	7,481686	7,817729	7,824907	7,806536	7,937402	7,67114	7,7081073	7,805026	0,09691867	1,069486793	---
17238876	6,926424	7,09156	6,983319	7,353909	7,01034	6,927947	7,0004343	7,097398667	0,09696433	1,069520647	Syne1
17437836	4,587239	4,420267	4,509053	4,52951	4,731915	4,546031	4,5055197	4,602485333	0,09696567	1,069521635	Chrna9
17241181	6,214067	6,372414	6,335623	6,393085	6,349783	6,470197	6,307368	6,404355	0,096987	1,06953745	Adamts14
17530623	9,70047	9,648517	9,585717	9,646096	9,800891	9,778709	9,6449013	9,741898667	0,09699733	1,069545111	Glyctk
17377164	3,513452	3,677696	3,446859	3,594573	3,662426	3,672197	3,5460023	3,643065333	0,097063	1,069593794	---
17292569	6,113674	6,190062	6,412364	6,468909	6,246906	6,291481	6,2387	6,335765333	0,09706533	1,069595524	Sema4d
17220452	6,507652	7,171576	6,746534	6,96815	6,874638	6,874225	6,8085873	6,905671	0,09708367	1,069609116	Taf1a
17263724	9,756207	9,451358	9,524218	9,607172	9,722325	9,693558	9,577261	9,674351667	0,09709067	1,069614306	Aldh3a2
17432976	6,656237	6,776139	6,654715	6,59082	6,895945	6,891619	6,695697	6,792794667	0,09709767	1,069619496	Angptl7
17536213	3,714864	4,034468	3,901838	3,953592	4,000333	3,988582	3,8837233	3,980835667	0,09711233	1,06963037	Gm44
17330359	9,815598	9,848447	9,688737	9,784862	9,96746	9,891874	9,7842607	9,881398667	0,097138	1,0696494	Pla1a
17513672	8,156631	8,462558	8,299964	8,466522	8,487234	8,256844	8,3063843	8,403533333	0,097149	1,069657555	Cyba
17261333	6,080375	6,153703	6,405092	6,38608	5,827746	6,716833	6,2130567	6,310219667	0,097163	1,069667935	---
17330875	7,155011	7,419916	7,240445	7,285967	7,406093	7,414865	7,2717907	7,368975	0,09718433	1,069683753	Bbx
17232534	6,85293	6,665767	6,106473	6,51779	6,497319	6,901628	6,5417233	6,638912333	0,097189	1,069687213	Frk
17343461	9,012522	9,23567	9,030731	9,225135	9,209516	9,135848	9,0929743	9,190166333	0,097192	1,069689437	Zfp871
17293858	4,25828	3,849694	3,970611	4,725328	3,672875	3,971966	4,026195	4,123389667	0,09719467	1,069691414	Zfp640 // Zfp640
17284505	3,984882	3,407193	3,729164	3,619098	3,430757	4,362994	3,7070797	3,804283	0,09720333	1,06969784	---
17541681	11,47469	11,57371	11,41471	11,66423	11,56848	11,52202	11,487703	11,58491	0,09720667	1,069700312	Gpc3
17531023	9,140697	9,202919	9,158145	9,333076	9,216429	9,243879	9,1672537	9,264461333	0,09720767	1,069701053	Rbm5
17496850	5,416125	5,746852	5,793649	5,740858	5,740583	5,766884	5,6522087	5,749441667	0,097233	1,069719837	Gm19393
17394185	5,211782	4,913276	4,997395	4,964417	5,19422	5,25559	5,0408177	5,138075667	0,097258	1,069738374	---
17405921	4,422533	4,624458	4,215614	4,605766	4,468049	4,480573	4,4208683	4,518129333	0,097261	1,069740599	LOC100044951
17480312	7,280618	7,574615	7,531126	7,668003	7,534049	7,476115	7,4621197	7,559389	0,09726933	1,069746778	Gab2
17513823	4,036826	4,030942	4,022969	4,291676	4,15032	3,940561	4,0302457	4,127519	0,09727333	1,069749744	C230057M02Rik
17217030	4,493379	4,186776	4,572297	4,330129	4,586337	4,628055	4,417484	4,514840333	0,09735633	1,069811289	Avpr1b
17411414	3,283487	3,369493	3,599184	3,539015	3,545847	3,459399	3,417388	3,514753667	0,09736567	1,069818211	---
17247498	3,382039	3,62536	3,117639	3,205116	3,703958	3,508071	3,3750127	3,472381667	0,097369	1,069820682	---
17491831	6,428295	6,346719	6,642971	6,537449	6,641017	6,5318	6,4726617	6,570088667	0,097427	1,069863693	Fam189a1
17419020	6,644436	6,98256	6,836713	6,864697	7,003839	6,887513	6,8212363	6,918683	0,09744667	1,069878277	Marcksl1
17313320	7,292168	7,447359	7,364628	7,475593	7,234682	7,686235	7,3680517	7,465503333	0,09745167	1,069881985	---
17490135	4,249392	4,236687	4,087653	4,244686	4,589379	4,032043	4,191244	4,288702667	0,09745867	1,069887176	4931406B18Rik
17350074	4,448792	4,057832	4,392309	4,407118	4,447618	4,336589	4,2996443	4,397108333	0,097464	1,069891131	Pabpc2
17255048	6,0377	6,173104	6,05741	6,317871	6,219082	6,023674	6,0894047	6,186875667	0,097471	1,069896322	Gm525
17535910	3,257674	3,311528	3,189349	3,369094	3,472418	3,209554	3,2528503	3,350355333	0,097505	1,069921537	Gm6890
17208635	7,752754	7,140843	7,342495	7,736329	7,37114	7,421144	7,4120307	7,509537667	0,097507	1,06992302	---
17430962	6,01191	5,917921	6,268103	6,187243	6,282615	6,0206	6,065978	6,163486	0,097508	1,069923762	Gpr3
17246520	8,33113	8,39098	8,398125	8,45282	8,396544	8,563416	8,3734117	8,470926667	0,097515	1,069928953	Eif4enif1
17380418	9,526863	9,688266	9,663026	9,769577	9,636098	9,76513	9,6260517	9,723601667	0,09755	1,06995491	Gm14431 // Gm14431
17232358	9,039408	8,974233	8,714731	8,953648	9,131923	8,935463	8,9094573	9,007011333	0,097554	1,069957877	Ptprk
17436032	5,859995	5,753562	5,854254	5,90551	6,026079	5,828889	5,8226037	5,920159333	0,09755567	1,069959113	---
17209561	6,751306	7,138891	6,238362	7,154275	6,559272	6,707708	6,7095197	6,807085	0,09756533	1,069966282	---
17299063	4,618788	4,581236	4,427286	4,666892	4,543522	4,709643	4,5424367	4,640019	0,09758233	1,06997889	---
17366992	4,853136	4,987818	4,960597	4,977736	5,120286	4,996281	4,9338503	5,031434333	0,097584	1,069980126	Il2ra
17231946	10,061	10,15873	10,11567	10,24268	10,25557	10,12996	10,1118	10,20940333	0,09760333	1,069994465	Bclaf1

17435462	4,572009	4,54817	4,561292	4,509221	4,770042	4,695049	4,5604903	4,658104	0,09761367	1,070002129	Galntl5
17246516	4,888544	4,856419	4,369065	5,261392	4,586288	4,559194	4,704676	4,802291333	0,09761533	1,070003365	---
17495079	4,253428	4,406507	4,315292	4,463006	4,325883	4,479329	4,3250757	4,422739333	0,09766367	1,070039213	LOC100861673
17389333	3,815277	4,140643	4,020097	4,023259	4,398218	3,847613	3,9920057	4,089696667	0,097691	1,070059486	2900064A13Rik // 2900064A13Rik
17429840	4,663208	4,10958	4,414094	4,396948	4,567107	4,515932	4,3956273	4,493329	0,09770167	1,070067397	4933435F18Rik
17281312	8,088397	8,326735	8,114374	8,285004	7,974112	8,563495	8,176502	8,274203667	0,09770167	1,070067397	Slc25a21
17357507	6,76184	6,173804	5,937727	6,605185	6,387232	6,17407	6,2911237	6,388829	0,09770533	1,070070117	---
17473603	5,448938	5,038392	5,502021	5,462099	5,490545	5,329887	5,3297837	5,427510333	0,09772667	1,07008594	Zfp28
17302766	7,727177	7,786378	7,414986	7,827585	7,753213	7,641002	7,642847	7,7406	0,097753	1,070105473	Rap2a
17343552	6,096859	6,157978	6,103702	6,159732	6,1962	6,295874	6,119513	6,217268667	0,09775567	1,070107451	Zfp955a
17497326	6,208945	6,508142	6,026375	6,339078	6,616596	6,081074	6,2478207	6,345582667	0,097762	1,070112149	5830432E09Rik
17477018	4,235387	4,048326	4,068187	4,485456	4,190497	3,969283	4,1173	4,215078667	0,09777867	1,070124511	Gm17768
17515643	3,89061	3,794169	3,663363	3,954273	3,695835	3,991395	3,782714	3,880501	0,097787	1,070130692	Spata19
17253316	7,638263	7,718805	7,769108	7,752295	7,855597	7,811678	7,7087253	7,806523333	0,097798	1,070138852	Myo18a
17496806	8,765206	8,689291	8,762211	8,736891	9,021173	8,752168	8,7389027	8,836744	0,09784133	1,070170995	Prss8
17533778	4,713579	5,019403	4,492414	4,848117	4,453572	5,217247	4,7417987	4,839645333	0,09784667	1,070174951	---
17456721	8,48763	8,568443	8,353517	8,641017	8,341558	8,720569	8,4698633	8,567714667	0,09785133	1,070178413	Smo
17391997	10,03509	10,00017	9,824452	9,799209	10,11083	10,24323	9,9532373	10,05108967	0,09785233	1,070179155	Gpcpd1
17213369	8,030882	8,081865	7,908405	8,026523	8,160631	8,127557	8,0070507	8,104903667	0,097853	1,070179649	Nbeal1
17350806	4,176878	4,092893	4,285074	4,285903	4,244428	4,31808	4,1849483	4,282803667	0,09785533	1,07018138	Ctxn3
17475809	5,65341	5,143907	5,683437	5,333704	5,983123	5,457507	5,4935847	5,591444667	0,09786	1,070184842	Rps16
17543753	5,560732	5,593382	5,938322	5,906202	5,895477	5,584342	5,6974787	5,795340333	0,09786167	1,070186078	Dmrtc1a
17201361	3,55025	3,413515	3,168308	3,720863	3,634903	3,069909	3,3773577	3,475225	0,09786733	1,070190282	---
17208941	6,079705	5,016432	5,507578	5,990335	5,438648	5,468335	5,5345717	5,632439333	0,09786767	1,070190529	---
17410306	5,205012	5,307661	5,050233	5,368324	5,144672	5,343519	5,1876353	5,285505	0,09786967	1,070192013	Lrit3
17511134	8,592095	8,42438	8,477286	8,519273	8,731197	8,536914	8,4979203	8,595794667	0,09787433	1,070195474	Nacc1
17371777	5,584402	5,110655	5,577844	5,553946	5,577206	5,435384	5,4243003	5,522178667	0,09787833	1,070198442	Dlx1as
17201347	4,67106	3,599267	3,737179	4,171154	3,623755	4,506237	4,002502	4,100382	0,09788	1,070199678	---
17223999	6,803337	7,037321	7,013872	7,095077	7,056581	6,996517	6,95151	7,049391667	0,09788167	1,070200914	Bard1
17204343	4,746379	4,209495	4,069785	4,406657	4,845366	4,067352	4,3418863	4,439791667	0,09790533	1,070218471	---
17255626	5,207913	5,248495	5,377907	5,344845	5,551716	5,231501	5,278105	5,376020667	0,09791567	1,070226136	Skap1
17459288	9,413685	9,2421	9,398539	9,544592	9,268246	9,535275	9,3514413	9,449371	0,09792967	1,070236522	---
17459403	3,108976	3,011884	3,139562	3,203686	3,177715	3,172838	3,0868073	3,184746333	0,097939	1,070243445	---
17536225	3,090135	3,086087	2,780792	3,088648	3,107211	3,05501	2,9856713	3,083623	0,09795167	1,070252842	Gm14781
17530430	5,174203	5,261878	5,376204	5,423409	5,558116	5,124672	5,2707617	5,368732333	0,09797067	1,070266937	1700080E11Rik
17230451	5,168209	4,807352	5,011489	5,151966	5,174389	4,954636	4,9956833	5,093663667	0,09798033	1,070274108	Gm5069
17339142	8,130453	8,150111	8,083909	8,183579	8,261909	8,213043	8,121491	8,219510333	0,09801933	1,070303041	Ppp4r1
17274764	4,033105	3,765653	3,443443	4,034307	3,710903	3,791073	3,7474003	3,845427667	0,09802733	1,070308976	---
17433287	4,81253	4,839939	5,234755	4,9399	5,132102	5,109321	4,962408	5,060441	0,098033	1,07031318	Slc45a1
17450668	4,950435	4,56015	4,817924	4,719244	4,89426	5,009127	4,7761697	4,874210333	0,09804067	1,070318868	A930041C12Rik
17494091	5,63596	5,353822	5,467115	5,569228	5,58268	5,599135	5,4856323	5,583681	0,09804867	1,070324803	Olfr544
17365571	4,165548	4,197486	4,099227	4,262575	4,365253	4,128659	4,154087	4,252162333	0,09807533	1,070344587	Wdr96
17359520	8,436269	8,464144	8,497422	8,463391	8,562479	8,666245	8,465945	8,564038333	0,09809333	1,070357942	Pi4k2a
17468765	7,983659	8,065365	7,999276	8,008424	8,241546	8,092641	8,0161	8,114203667	0,09810367	1,070365608	Abtb1
17484099	10,06948	10,10963	10,03765	10,05704	10,25181	10,20223	10,072253	10,17036	0,09810667	1,070367834	---
17370354	3,003247	3,068151	3,158585	3,372462	3,041236	3,11062	3,076661	3,174772667	0,09811167	1,070371544	Olfr354
17545430	5,918098	5,465932	5,389195	5,702393	5,673491	5,691694	5,591075	5,689192667	0,09811767	1,070375995	2900056M20Rik
17504207	7,340786	7,577821	7,536783	7,627513	7,698252	7,423982	7,48513	7,583249	0,098119	1,070376984	Gpr97
17528317	3,846169	3,908217	3,916875	3,956914	3,948256	4,060448	3,8904203	3,988539333	0,098119	1,070376984	---
17357959	8,27582	8,226465	8,060219	8,254498	8,195438	8,406983	8,1875013	8,285639667	0,09813833	1,070391328	Gnaq
17493949	7,344718	7,301098	7,06849	6,963087	7,443184	7,602521	7,238102	7,336264	0,098162	1,070408888	Folr2
17532509	8,088608	7,519566	7,515665	7,954959	7,741804	7,721583	7,7079463	7,806115333	0,098169	1,070414081	Slc6a20a
17357550	11,84082	11,75462	11,91881	12,07173	12,0756	11,66143	11,838083	11,93625333	0,09817	1,070414823	---
17253656	13,1482	13,09984	13,07183	13,17353	13,27664	13,16421	13,106623	13,20479333	0,09817	1,070414823	Vtn
17360204	3,00176	3,132251	3,126313	3,119048	3,337779	3,098046	3,0867747	3,184957667	0,098183	1,070424469	---
17403973	6,679296	7,100069	6,57882	6,780942	6,91559	6,956227	6,7860617	6,884253	0,09819133	1,070430652	Pxmp3
17375480	4,581519	4,448145	4,450332	4,785854	4,430569	4,558159	4,493332	4,591527333	0,09819533	1,07043362	Gm14085
17243469	5,900469	6,150447	5,37451	5,748861	6,046839	5,924373	5,8084753	5,906691	0,09821567	1,070448706	Zfp938
17243736	3,586166	3,829108	3,920147	4,013944	3,862227	3,754003	3,7784737	3,876724667	0,098251	1,070474923	Gm6729
17519524	4,086944	4,188193	4,035951	4,028419	4,217691	4,359786	4,103696	4,201965333	0,09826933	1,070488527	Gm7972
17329233	3,938509	4,078819	4,027174	4,351051	4,015249	3,973012	4,014834	4,113104	0,09827	1,070489021	Map3k13 // Map3k13
17257558	8,295486	8,647049	8,346945	8,396973	8,5243	8,663042	8,4298267	8,528105	0,09827833	1,070495205	---
17407631	8,562047	8,551723	8,602488	8,718746	8,714659	8,577693	8,572086	8,670366	0,09828	1,070496442	Psmb4
17396365	3,763217	3,998627	3,924402	4,100411	3,913447	3,967408	3,8954153	3,993755333	0,09834	1,070540963	1700125G22Rik
17200567	2,921139	3,088276	3,777762	3,433494	3,484328	3,164454	3,2623923	3,360758667	0,09836633	1,070560504	---
17314987	4,415861	4,394882	4,557615	4,38735	4,550664	4,725449	4,4561193	4,554487667	0,09836833	1,070561988	Tmprss12
17339172	8,413406	8,984756	8,793317	8,694642	8,854476	8,937476	8,730493	8,828864667	0,09837167	1,070564461	---
17290447	4,999988	4,970272	4,754466	4,842518	5,203181	4,974213	4,908242	5,006637333	0,09839533	1,070582024	Chrm3
17318232	7,248044	7,30348	7,305711	7,416146	7,306269	7,43001	7,285745	7,384141667	0,09839667	1,070583013	Tsta3
17384627	7,277361	7,242296	7,087936	7,363399	7,214437	7,324953	7,202531	7,300929667	0,09839867	1,070584497	Zbtb26
17485747	7,193272	7,475439	7,681799	7,582031	7,591974	7,471762	7,45017	7,548589	0,098419	1,070599586	Ppp1r12c
17350420	4,965021	4,962766	5,05212	4,878592	5,284724	5,111853	4,9933023	5,091723	0,09842067	1,070600823	9130209A04Rik // 9130209A04Rik
17288721	3,200448	3,372462	3,270892	3,449726	3,431554	3,257797	3,2812673	3,379692333	0,098425	1,070604039	---
17227616	5,197033	5,177014	4,825891	4,995383	5,470576	5,029265	5,066646	5,165074667	0,09842867	1,07060676	Crb1
17237671	5,778935	5,942329	5,734667	5,82355	6,035905	5,891784	5,8186437	5,917079667	0,098436	1,070612202	1700006J14Rik
17424966	4,569712	4,636794	4,44035	4,770418	4,758543	4,413205	4,548952	4,647388667	0,09843667	1,070612696	---
17402660	2,946355	2,861001	2,955732	2,881651	3,256619	2,920137	2,9210293	3,019469	0,09843967	1,070614923	---
17326834	4,521475	4,489593	4,329222	4,467725	4,665657	4,502301	4,4467633	4,545227667	0,09846433	1,070633228	Gm10791
17518270	4,719888	4,495661	4,82395	4,790826	4,922321	4,621771	4,679833	4,778306	0,098473	1,070639659	1110036E04Rik
17548032	4,082356	3,77312	3,682599	4,084911	3,925531	3,823074	3,846025	3,944505333	0,09848033	1,070645101	Gm4776 // Gm4776
17518664	11,54018	11,53315	11,6588	11,53035	11,78202	11,71521	11,577377	11,67586	0,09848333	1,070647328	Ppib
17289717	7,408727	7,117671	6,714162	6,795728	7,384556	7,355727	7,0801867	7,178670333	0,09848367	1,070647575	Elovl7
17398406	6,150426	5,862553	6,084208	6,089086	6,172443	6,131112	6,0323957	6,130880333	0,09848467	1,070648317	Fam198b
17549014	6,568073	6,469297	6,69379	6,705969	6,7044	6,616276	6,5770533	6,675548333	0,098495	1,070655986	---
17549136	6,568073	6,469297	6,69379	6,705969	6,7044	6,616276	6,5770533	6,675548333	0,098495	1,070655986	---
17549148	6,568073	6,469297	6,69379	6,705969	6,7044	6,616276	6,5770533	6,675548333	0,098495	1,070655986	---
17529662	9,16315	9,183454	9,04139	9,181047	9,317636	9,184808	9,1293313	9,227830333	0,098499	1,070658954	Tbc1d2b
17326801	7,662162	7,918056	7,594357	7,789359	7,986865	7,693854	7,7248583	7,823359333	0,098501	1,070660439	Jam2
17413221	6,250369	6,282942	6,162989	6,320873	6,365475	6,30553	6,2321	6,330626	0,098526	1,070678992	Unc13b
17331898	6,599704	7,079231	6,168806	6,938513	6,632108	6,572723	6,6159137	6,714448	0,09853433	1,070685176	1110025L11Rik
17532893	6,030264	5,990078	6,114143	6,270646	6,22045	5,938993	6,0448283	6,143363	0,09853467	1,070685424	Prickle3
17340478	3,673163	3,599609	3,617404	3,654225	3,88301	3,64857	3,6300587	3,728601667	0,098543	1,070691608	4930548J01Rik
17401061	5,54865	5,402629	5,570142	5,653446	5,686037	5,477571	5,5071403	5,605684667	0,09854433	1,070692598	A230001M10Rik
17467187	3,218253	3,279747	3,169746	3,406401	3,435611	3,121373	3,222582	3,321128333	0,09854633	1,070694082	Vmn1r22
17488001	6,907411	6,892583	7,107274	7,113756	7,040846	7,048311	6,9690893	7,067637667	0,09854833	1,070695566	Ccdc97
17415315	6,041536	5,924265	5,820539	6,026257	6,160811	5,895074	5,92878	6,027380667	0,09860067	1,070734406	Gm13272
17387758	4,608003	3,899978	4,175282	4,393826	4,591157	3,994093	4,2277543	4,326358667	0,09860433	1,070737128	Olfr1128
17528981	7,199931	6,99323	7,27328	7,404737	7,135017	7,222513	7,1554803	7,254089	0,09860867	1,070740344	---
17284554	7,362723	7,18311	7,137613	7,487486	7,283329	7,208464	7,2278153	7,326426333	0,098611	1,070742076	---
17344774	4,948234	4,953619	5,094975	5,091807	5,1814	5,019466	4,9989427	5,097557667	0,098615	1,070745044	Trim40
17208665	6,220817	5,952452	6,332665	5,837661	6,276123	6,688093	6,1686447	6,267292333	0,09864767	1,070769289	---
17501272	6,969473	7,296061	7,461804	7,415088	7,330444	7,277774	7,242446	7,341102	0,098656	1,070775474	Hand2
17409142	8,75626	8,644537	8,3582	8,660475	8,563688	8,830803	8,5863323	8,684988667	0,09865633	1,070775722	Gstm2
17425954	3,999334	3,413207	4,287408	4,071297	3,879968	4,044667	3,899983	3,998644	0,098661	1,070779185	Mup10
17359536	7,785193	7,900942	7,901215	8,056303	7,952882	7,874158	7,86245	7,961114333	0,09866433	1,070781659	Zfyve27
17204939	4,85313	4,811605	4,180783	4,435562	4,60605	5,099909	4,6151727	4,713840333	0,09866767	1,070784133	---
17379314	6,90929	6,756665	6,94978	7,034995	7,0191	6,85766	6,8719117	6,970585	0,09867333	1,070788339	Wisp2
17324344	12,4578	12,40363	12,27912	12,43826	12,41153	12,58684	12,380183	12,47887667	0,09869333	1,070803184	Hrg
17425255	4,954931	4,628932	4,640397	5,041108	4,582644	4,896596	4,74142	4,840116	0,098696	1,070805163	Grin3a
17279668	3,748737	3,559571	3,93325	3,824565	3,940731	3,772383	3,747186	3,845893	0,098707	1,070813327	Mir153
17288870	3,008145	2,749376	3,095851	2,824054	3,08906	3,236413	2,951124	3,049842333	0,09871833	1,070821739	---
17283088	3,306319	3,931305	3,242332	3,609602	3,523392	3,643119	3,4933187	3,592037667	0,098719	1,070822234	1700019M22Rik
17423985	3,138869	2,984208	2,848935	2,874923	3,052233	3,341023	2,9906707	3,089393	0,09872233	1,070824708	---
17457052	6,103271	6,128866	6,285835	6,415539	6,125825	6,272776	6,1726573	6,27138	0,09872267	1,070824956	9430029A11Rik
17458439	5,467941	4,884587	5,501657	5,620943	5,193243	5,336171	5,2847283	5,383452333	0,098724	1,070825945	Gpnmb
17466003	9,003061	9,101528	8,824201	8,99859	9,042566	9,183887	8,9762633	9,075014333	0,098751	1,070845986	Zc3hav1
17217434	3,902762	3,830621	3,968225	3,898952	4,031492	4,06746	3,900536	3,999301333	0,09876533	1,070856625	4933406M09Rik
17509923	8,697118	8,916058	8,865364	9,033333	8,92178	8,819748	8,82618	8,924953667	0,09877367	1,070862811	Mau2
17404933	9,319192	8,663179	8,718866	9,37599	8,764417	8,857162	8,9004123	8,999189667	0,09877733	1,070865532	---
17539403	2,870889	3,00565	3,362709	3,013359	3,178166	3,344061	3,0797493	3,178528667	0,09879333	1,070867017	---
17347222	8,130225	8,064658	8,100486	8,116533	8,228425	8,246788	8,0984563	8,197248667	0,09879233	1,070876666	Dpy30
17262345	11,66258	11,67311	11,78001	11,7984	11,895	11,7187	11,705233	11,80403333	0,0988	1,070882357	---
17207315	3,747667	4,014752	4,171439	4,330596	3,974278	3,925406	3,9779527	4,07676	0,09880733	1,07088878	---
17397506	3,795793	3,569654	3,578458	3,805603	3,794994	3,639778	3,6479683	3,746791667	0,09882333	1,070899677	Gm2447
17231877	4,108563	3,950804	3,95791	4,177627	3,998741	4,137442	4,005759	4,104603333	0,09884433	1,070915265	---
17296872	6,787586	6,592859	6,014533	6,79197	6,443601	6,455952	6,4649927	6,563841	0,09884833	1,070918235	Gm10413
17418128	7,775569	7,750617	7,575766	7,777058	7,960898	7,660579	7,7006507	7,799511667	0,09886	1,070927637	Trit1
17410725	3,358028	3,435261	3,313326	3,228597	3,596246	3,578448	3,3688717	3,467763667	0,098892	1,070950649	---
17252369	8,819921	8,976224	8,949237	8,983582	9,132592	8,925913	8,9151273	9,014029	0,09890167	1,070957825	Mybbp1a
17207087	4,153121	4,149587	4,09416	4,274668	4,739854	3,679131	4,1322893	4,231217667	0,09892833	1,07097762	---
17396240	4,771242	4,813757	5,160506	5,13169	5,054514	4,856107	4,9151683	5,014103667	0,09893533	1,070982817	Trim55
17332378	3,88601	3,875612	4,014973	3,904112	4,183973	3,985387	3,9255317	4,024490667	0,098959	1,071000386	1600002D24Rik
17202139	3,763233	4,754518	4,365059	4,282211	4,878669	4,018812	4,29427	4,393230667	0,09896067	1,071001623	---
17387965	3,960743	3,791473	3,827209	3,958512	3,814955	4,102881	3,8598083	3,958782667	0,09897433	1,071011769	Olfr1246

17232729	3,042775	2,999719	3,045744	3,082995	3,085556	3,216618	3,0294127	3,128389667	0,098977	1,071013749	---	
17310320	7,107296	6,775074	7,084938	7,195905	7,018508	7,049865	6,9891027	7,088092667	0,09899	1,071023399	4930556M19Rik	
17400788	6,59711	6,599063	6,478251	6,841258	6,526516	6,603695	6,5581413	6,657156333	0,099015	1,071041959	Prkab2	
17303258	5,071312	5,10372	4,800861	5,287699	4,97096	5,014292	4,9919643	5,090983667	0,09901933	1,071045176	Gm8362	
17318029	6,182782	6,134568	6,170479	6,288674	6,126267	6,37001	6,1626097	6,261650333	0,09904067	1,071061014	Ly6k	
17548581	4,264586	4,14152	4,285758	4,254636	4,372761	4,36161	4,2306213	4,329669	0,09904767	1,071066211	Gm3257	
17448740	8,557944	8,568336	8,50426	8,574492	8,600685	8,752583	8,5435133	8,642586667	0,09907333	1,071085266	Fryl	
17356695	6,755252	6,836977	6,883356	6,909127	6,958376	6,905337	6,825195	6,92428	0,099085	1,071093928	Atg2a	
17266534	6,731093	6,378729	6,505393	6,684392	6,752354	6,475739	6,538405	6,637495	0,09909	1,07109764	Ksr1	
17518274	4,641358	4,40085	4,950028	4,761863	4,925234	4,602479	4,6640787	4,763192	0,09911333	1,071114963	2600006L11Rik // 2600006L11Rik	
17517608	6,440135	6,73513	6,634888	6,489074	6,946751	6,671696	6,6033843	6,702507	0,09912267	1,071121893	Snupn	
17327099	8,798447	8,953399	8,903378	8,919857	9,087065	8,945684	8,8850747	8,984202	0,09912733	1,071125357	Son	
17528739	3,498198	3,138138	3,361522	3,371051	3,794252	3,130166	3,3326193	3,431823	0,09920367	1,071182032	---	
17285815	4,525313	4,476045	4,838307	4,813585	4,561916	4,761806	4,6132217	4,712435667	0,099214	1,071189705	Hist1h4h	
17294267	5,458813	5,174053	5,289678	5,333279	5,412109	5,475005	5,3075147	5,406797667	0,099283	1,071240938	Slc6a19	
17449099	3,931735	3,922296	3,808836	4,170731	3,997958	3,792075	3,8876223	3,986921333	0,099299	1,071252818	Lphn3	
17451345	7,152133	7,083261	7,071392	7,291659	7,188558	7,124511	7,102262	7,201576	0,099314	1,071263957	2900026A02Rik	
17204759	3,752062	5,252961	4,767928	5,000437	4,080355	4,990113	4,5909837	4,690301667	0,099318	1,071266927	---	
17535445	5,517323	5,223624	5,607295	5,786471	5,51427	5,345496	5,449414	5,548745667	0,09933167	1,071277075	---	
17544352	3,334809	3,664221	3,352941	3,455061	3,648566	3,546344	3,450657	3,549990333	0,09933333	1,071278312	4930412D23Rik	
17441968	9,088865	8,940025	8,931729	9,03003	9,132933	9,095676	8,986873	9,086213	0,09934	1,071283263	Atxn2	
17256734	8,273405	8,648226	8,193427	8,526023	8,537075	8,349994	8,371686	8,471030667	0,09934467	1,071286728	Ifi35	
17406846	7,100098	7,179373	7,151317	7,309051	7,230435	7,189364	7,143596	7,24295	0,099354	1,071293659	Msto1	
17524117	3,918196	4,100732	3,912661	4,066818	4,029395	4,133441	3,9771963	4,076551333	0,099355	1,071294401	Hephl1	
17531535	6,825915	6,924366	6,701245	6,931179	6,890631	6,927835	6,8171753	6,916548333	0,099373	1,071307767	Ptpn23	
17465484	7,602345	7,626347	7,489285	7,636286	7,567528	7,81233	7,572659	7,672048	0,099389	1,071319649	Ube2h	
17301168	4,522016	4,524774	4,368385	4,538653	4,638866	4,535895	4,471725	4,571138	0,099413	1,071337471	4931440J10Rik	
17292331	3,615436	3,471677	3,973926	3,903879	3,774444	3,681069	3,687013	3,786464	0,099451	1,07136569	---	
17206871	6,683654	6,705138	6,721799	7,167481	6,570774	6,670701	6,7035303	6,802985333	0,099455	1,07136866	---	
17531288	3,703123	3,976549	3,676356	3,897059	4,027077	3,730281	3,7853427	3,884805667	0,099463	1,071374601	Fbxw21	
17255358	4,163372	4,108904	4,278951	4,330215	4,187706	4,331698	4,1837423	4,283206333	0,099464	1,071375344	A730090H04Rik	
17405350	6,065569	5,388249	5,76396	5,892728	5,718965	5,904524	5,7392593	5,838739	0,09947967	1,071386978	---	
17221255	8,534712	8,964886	8,393126	8,554032	8,687743	8,949404	8,630908	8,730393	0,099485	1,071390939	---	
17371059	8,793162	8,587091	8,641636	8,741052	8,92514	8,654215	8,673963	8,773469	0,099506	1,071406534		03/08/17
17259552	5,359732	5,103727	5,298479	5,814995	4,913275	5,33219	5,2539793	5,353486667	0,09950733	1,071407525	Tex19.1	
17522536	5,443294	5,325446	5,245853	5,489492	5,232474	5,591218	5,3381977	5,437728	0,09953033	1,071424605	Lrrc2	
17283200	4,679002	4,220871	4,7009	4,443542	4,670514	4,785349	4,533591	4,633135	0,099544	1,071434755	4930474N09Rik	
17381678	3,788964	3,693314	4,030036	3,849811	3,862292	4,098848	3,837438	3,936983667	0,09954567	1,071435993	---	
17418997	2,906405	3,116543	3,263015	3,262323	3,11182	3,210573	3,095321	3,194905333	0,09958433	1,07146471	---	
17521014	9,826832	9,703316	9,730437	9,893261	9,915483	9,750605	9,7535283	9,853116333	0,099588	1,071467433	Acad11	
17327465	9,025447	8,954249	8,816161	9,071025	9,135637	8,887966	8,9319523	9,031542667	0,09959033	1,071469166	Ets2	
17522504	4,817122	4,672723	4,72608	5,037662	4,598091	4,879088	4,7386417	4,838280333	0,09963867	1,071505063	Als2cl	
17400375	9,732883	9,871183	9,433581	9,643298	9,865621	9,827648	9,6792157	9,778855667	0,09964	1,071506053	Ctss	
17433412	6,970164	7,04175	6,800721	7,129542	7,09724	6,884778	6,937545	7,037186667	0,09964167	1,071507291	Zbtb48	
17286818	7,653649	7,676647	7,540203	7,74527	7,648326	7,775838	7,6234997	7,723144667	0,099645	1,071509767	Hivep1	
17325787	7,067635	7,069917	6,918053	7,124575	7,041171	7,188843	7,018535	7,118196333	0,09966133	1,071521898	Spice1	
17470890	7,078879	7,335586	7,352922	7,247588	7,359287	7,459527	7,2557957	7,355467333	0,09967167	1,071529573	Usp5	
17430630	8,481343	8,749279	8,54687	8,404513	8,796381	8,875628	8,5924973	8,692174	0,09967667	1,071533286	Zcchc17	
17392932	5,926929	5,765564	5,670166	5,891427	5,982296	5,78798	5,787553	5,887234333	0,09968133	1,071536752	Nrsn2	
17208045	3,140533	3,055588	3,571675	3,481119	3,511975	3,073827	3,255932	3,355640333	0,09970833	1,071556806	---	
17461271	4,725771	4,531042	4,543283	4,507846	4,681815	4,909709	4,600032	4,69979	0,099758	1,071593697	Cntn4	
17254235	6,462095	6,597614	6,601353	6,583154	6,832413	6,544773	6,5536873	6,653446667	0,09975933	1,071594687	Rasl10b	
17380410	9,759023	9,907974	9,880656	10,03513	9,88082	9,931017	9,8492177	9,948989	0,09977133	1,0716036	Gm14431 // Gm14431	
17417492	5,602006	5,274324	5,728571	5,774414	5,729472	5,400334	5,534967	5,63474	0,099773	1,071604838	Ccdc163	
17228252	4,074489	4,089951	4,128547	4,315411	3,989469	4,287477	4,0976623	4,197452333	0,09979	1,071617466	Rgsl1	
17511038	6,697877	6,580801	6,793379	6,919557	6,87919	6,57271	6,6906857	6,790485667	0,0998	1,071624893	Cc2d1a	
17437505	7,765687	7,903008	7,741129	7,794336	7,995486	7,919438	7,8032747	7,903086667	0,099812	1,071633807	Tbc1d19	
17330160	6,47258	6,36695	6,713124	6,602635	6,508036	6,741424	6,5175513	6,617365	0,09981367	1,071635045	---	
17249833	8,965399	9,105522	8,960605	9,014349	9,23605	9,080608	9,0105087	9,110335667	0,099827	1,071644949	G3bp1	
17505995	7,624181	7,626615	7,540098	7,551001	7,860601	7,678836	7,5969647	7,696812667	0,099848	1,071660548	Plcg2	
17377738	5,965603	5,546573	5,832279	6,010863	5,690375	5,942773	5,781485	5,881337	0,099852	1,071663519	Defb36	
17307755	8,478226	8,44591	8,552511	8,558166	8,613436	8,604628	8,4922157	8,592076667	0,099861	1,071670205	Elp3	
17299644	7,368932	7,36367	7,259805	7,440455	7,450978	7,400578	7,3308023	7,430670333	0,099868	1,071675405	Mettl17	
17412987	4,206534	4,29937	4,540652	4,691357	4,382076	4,272735	4,348852	4,448722667	0,09987067	1,071677386	Gm13298	
17434129	4,206534	4,29937	4,540652	4,691357	4,382076	4,272735	4,348852	4,448722667	0,09987067	1,071677386	Gm13298	
17383413	8,919915	8,865158	8,780149	8,895396	8,961995	9,007444	8,855074	8,954945	0,099871	1,071677633	Gfi1b	
17410542	7,829204	7,870555	7,681521	7,957565	7,941347	7,782013	7,79376	7,893641667	0,09988167	1,071685557	Nfkb1	
17323619	4,868732	4,843084	4,756132	4,712968	4,984491	5,070192	4,8226493	4,922550333	0,099901	1,071699918	Tssk1	
17419332	6,564974	6,63972	6,715617	6,642728	6,738223	6,839105	6,6401037	6,740018667	0,099915	1,071710318	Mecr	
17278918	8,534292	8,771601	8,61834	8,78126	8,773277	8,669447	8,641411	8,741328	0,099917	1,071711804	Dync1h1	
17393143	5,648037	5,511066	5,738662	5,670653	5,835755	5,691113	5,6325883	5,732507	0,09991867	1,071713042	Necab3	
17512860	6,14316	5,90238	5,941634	6,29212	5,992807	6,002103	5,9957247	6,095676667	0,099952	1,071737804	Marveld3	
17201279	6,930995	7,210395	6,924675	7,803781	6,934931	6,627244	7,0220217	7,121985333	0,09996367	1,071746471	---	
17329026	3,217917	3,229093	3,161912	3,388018	3,159946	3,360854	3,202974	3,302939333	0,09996533	1,071747709	Olfr164	
17452089	4,806103	4,291718	4,291718	4,55042	4,882061	4,256991	4,4631797	4,563157333	0,09997767	1,071756871	Oas1e	
17371621	3,999539	3,887825	3,921559	4,153489	4,059993	3,895418	3,9363077	4,0363	0,09999233	1,071767767	4933404M02Rik	
17329486	4,113154	3,889919	4,096353	4,129753	4,198726	4,070944	4,033142	4,133141	0,099999	1,07177272	Tmem207	
17251500	6,665752	6,782002	6,674317	6,833122	6,816818	6,772221	6,707357	6,807387	0,10003	1,07179575	2310047M10Rik	
17296532	5,040786	5,225964	5,296886	5,352984	5,276785	5,233984	5,1878787	5,287917667	0,100039	1,071802436	E130304F04Rik	
17397375	3,870551	3,845996	3,751614	3,965282	3,795256	4,007752	3,8227203	3,922763333	0,100043	1,071805408	---	
17481899	4,660501	4,641625	4,59855	4,669263	4,774971	4,756608	4,6335587	4,733614	0,10005533	1,07181457	Micalcl	
17490432	7,519001	7,619216	7,606211	7,699178	7,690033	7,65539	7,581476	7,681533667	0,10005767	1,071816304	Med25	
17465373	5,780424	6,186452	6,361266	6,250241	6,232808	6,145354	6,1093807	6,209467667	0,100087	1,071838097	Impdh1	
17280934	4,872998	4,826559	4,817171	5,110593	4,82056	4,885844	4,8389093	4,938999	0,10008967	1,071840078	Prkd1	
17297374	7,38638	7,572807	7,309172	7,458227	7,59955	7,510868	7,4227863	7,522881667	0,10009533	1,071844288	Nkiras1	
17493756	8,671236	8,841221	8,657526	8,848543	8,817608	8,804213	8,7233277	8,823454667	0,100127	1,071867815	Ppme1	
17368212	5,466541	5,570742	5,484566	5,645168	5,60154	5,575595	5,507283	5,607434333	0,10015133	1,071885893	Kcnt1	
17353462	8,70912	8,571217	8,586833	8,781361	8,796056	8,590229	8,62239	8,722548667	0,10015867	1,071891342	Brd8	
17322664	5,085093	4,913381	4,759842	5,267766	4,919076	4,871984	4,9194387	5,019608667	0,10017	1,071899762	Sec14l5	
17547781	4,994553	4,788446	5,062961	5,038715	4,941292	5,166494	4,9486533	5,048833667	0,10018033	1,07190744	Tmed9 // Tmed9	
17303174	7,630025	7,241148	6,712632	7,317709	7,298585	7,268114	7,1946017	7,294802667	0,100201	1,071922795	Gm3594 // Gm3269	
17326405	6,441113	6,444786	6,375592	6,620559	6,362096	6,579516	6,420497	6,520723667	0,10022667	1,071941866	Dcbld2	
17413094	5,15439	5,177566	5,567429	5,70252	5,330558	5,167016	5,299795	5,400031333	0,10023633	1,071949048	Gm13298	
17424415	5,15439	5,177566	5,567429	5,70252	5,330558	5,167016	5,299795	5,400031333	0,10023633	1,071949048	Gm13298	
17249856	5,784219	5,849027	5,833154	5,908494	5,813867	6,044752	5,8221333	5,922371	0,10023767	1,071950039	---	
17463718	8,532958	8,778687	8,500735	8,724084	8,690557	8,69847	8,6041267	8,704370333	0,10024367	1,071954497	Cdkn1b	
17283445	9,627989	9,783868	9,562611	9,660141	9,840101	9,774978	9,658156	9,758406667	0,10025067	1,071959698	Lgmn	
17486807	6,707434	6,92307	6,779865	6,776611	7,022761	6,911781	6,8034563	6,903717667	0,10026133	1,071967624	Ehd2	
17388705	7,253065	7,05836	7,016234	7,170634	7,321187	7,136659	7,1092197	7,209493333	0,10027367	1,071976788	Ldlrad3	
17410898	4,308971	4,281067	4,139155	4,391096	4,275729	4,363205	4,2430643	4,343343333	0,100279	1,071980751	Gm6289	
17424090	7,959606	8,195893	8,426921	8,423723	8,183336	8,276226	8,19414	8,294428333	0,10028833	1,071987686	---	
17453222	5,345973	5,23613	5,404294	5,419336	5,374761	5,493172	5,328799	5,429089667	0,10029067	1,07198942	Wbscr17	
17508253	4,220273	4,132649	4,239687	4,122844	4,364961	4,405691	4,1975363	4,297832	0,10029567	1,071993135	Adam5	
17509180	10,29641	10,34009	10,17205	10,2628	10,26579	10,58088	10,269517	10,36982333	0,10030667	1,072001308	---	
17333307	6,070829	5,977624	6,09569	6,233546	6,107621	6,103897	6,0480477	6,148354667	0,100307	1,072001556	Airn	
17300735	4,28393	4,338716	4,463637	4,456552	4,612051	4,318626	4,3620943	4,462409667	0,10031533	1,072007748	Atp12a	
17498370	6,934883	6,919369	6,976182	7,122075	7,051928	6,957383	6,943478	7,043795333	0,10031733	1,072009234	Nadsyn1	
17330246	3,930306	4,077333	4,051054	4,130116	4,077643	4,151913	4,0195643	4,119890667	0,10032633	1,072015922	Eaf2	
17477979	7,088007	6,808404	6,965256	6,941495	7,186427	7,034777	6,953889	7,054233	0,100344	1,072029049	Dbp	
17499599	3,846635	3,657849	3,694432	3,86611	3,846766	3,787124	3,732972	3,833333333	0,10036133	1,07204193	Defa-ps12	
17413054	5,182865	5,477561	5,869094	6,551607	5,145696	5,133304	5,50984	5,610202333	0,10036233	1,072042673	Ccl27a	
17413151	5,182865	5,477561	5,869094	6,551607	5,145696	5,133304	5,50984	5,610202333	0,10036233	1,072042673	Ccl27a	
17434221	5,182865	5,477561	5,869094	6,551607	5,145696	5,133304	5,50984	5,610202333	0,10036233	1,072042673	Ccl27a	
17402193	9,85885	9,733455	9,683614	9,855512	9,887219	9,834361	9,7586397	9,859030667	0,100391	1,072063975	Arhgap29	
17438749	4,848642	4,386297	4,536476	4,867577	4,615567	4,589478	4,5904717	4,690874	0,10040233	1,072072396	Amtn	
17301300	7,999439	7,908426	8,012389	8,14852	8,109023	7,963926	7,973418	8,073823	0,100405	1,072074378	Kif13b	
17468665	7,598905	7,588109	7,665616	7,662181	7,662781	7,828917	7,6175433	7,717959667	0,10041633	1,0720828	Rab43	
17207157	4,079769	4,573789	3,88561	4,424189	4,691484	3,724802	4,1797227	4,280158333	0,10043567	1,072097167	---	
17457605	4,598661	4,580402	4,790944	4,861701	4,814472	4,595166	4,656669	4,757113	0,100444	1,072103359	Olfr460	
17438035	7,523612	7,711325	7,332641	7,376786	7,80365	7,688542	7,522526	7,622992667	0,10046667	1,072120204	Atp10d	
17444778	6,701286	6,64819	6,758795	6,837489	6,480714	7,091489	6,702757	6,803230667	0,10047367	1,072125406	---	
17433204	6,678398	6,505821	6,961424	6,818961	6,899109	6,728999	6,7152143	6,815689667	0,10047533	1,072126644	Tmem201	
17240379	9,70922	9,767655	9,577339	9,70825	9,815321	9,832071	9,684738	9,785214	0,100476	1,07212714	Cdc40	
17232036	5,085707	4,952638	5,001982	5,309038	5,033193	4,999531	5,0134423	5,113920667	0,10047833	1,072128874	1700021A07Rik	
17210383	4,214196	4,09516	4,52569	4,383107	4,471726	4,281669	4,2783487	4,378834	0,10048533	1,072134076	---	
17458393	10,35836	10,53334	10,26493	10,43878	10,54222	10,47715	10,385543	10,48605	0,10050667	1,07214993	Tmem176a	
17396178	9,623354	9,645966	9,560374	9,747625	9,647662	9,73593	9,609898	9,710405667	0,10050767	1,072150673	Ythdf3	
17251816	5,198393	4,939225	5,125561	5,203537	5,364044	4,997144	5,0877263	5,188241667	0,10051533	1,07215637	Ybx2	
17507955	8,091937	7,979243	8,015768	8,136992	8,191985	8,059522	8,0289827	8,129499667	0,100517	1,072157609	Atp7b	
17439737	3,761705	3,535062	3,622805	3,82419	3,788206	3,608739	3,6398573	3,740378333	0,100521	1,072160582	---	
17371574	4,151942	4,003802	4,110972	4,333817	4,024457	4,210058	4,0889053	4,189444	0,10053867	1,072173711	Myo3b	
17510823	8,278735	8,332317	8,236599	8,424811	8,37058	8,353929	8,2825503	8,383106667	0,10055633	1,07218684	Gab1	
17410617	8,587148	8,68758	8,468781	8,801958	8,504058	8,739237	8,5811697	8,681751	0,10058133	1,07220542	Dapp1	
17457555	7,13801	7,157548	7,214563	7,485016	7,195055	7,131801	7,1700403	7,270624	0,10058367	1,072207154	Agk	

17405668	10,92051	11,03641	10,87065	11,09685	11,01841	11,01408	10,942523	11,04311333	0,10059	1,072211861	---	
17278797	4,983282	4,671621	5,049523	5,273139	4,769194	4,963863	4,9014753	5,002065333	0,10059	1,072211861	---	
17367102	9,771397	9,847486	9,714671	9,796222	9,988948	9,850167	9,7778513	9,878445667	0,10059433	1,072215082	Mrc1	
17350090	5,355846	5,400047	5,290795	5,416456	5,450719	5,481297	5,348896	5,449490667	0,10059467	1,07221533	Sh3rf2	
17475821	8,371094	8,470693	8,238388	8,401661	8,529624	8,450724	8,3600583	8,460669667	0,10061133	1,072227716	Paf1	
17238367	8,003589	8,431195	8,058322	8,26208	8,275002	8,257903	8,1643687	8,264995	0,10062633	1,072238865	Stat2	
17300009	5,844006	5,876081	5,802657	6,075767	5,812432	5,93644	5,8409147	5,941546333	0,10063167	1,072242828	---	
17226572	10,15158	10,17003	10,03047	10,15371	10,14861	10,35178	10,11736	10,21803333	0,10067333	1,072273796	Dars	
17230725	10,49967	10,3766	10,40545	10,37449	10,6335	10,57576	10,42724	10,52791667	0,10067667	1,072276274	Mosc1	
17210599	5,675957	5,38889	5,549867	4,913098	6,150405	5,853269	5,538238	5,638924	0,100686	1,072283211	---	
17408121	7,494882	7,510264	7,547234	7,663301	7,644633	7,546508	7,51746	7,618147333	0,10068733	1,072284202	---	
17384322	9,673038	9,789007	9,553262	9,655092	9,77462	9,887671	9,671769	9,772461	0,100692	1,07228767	Psmd5	
17546259	4,766196	4,649519	4,57318	4,770296	4,796972	4,723713	4,662965	4,763660333	0,10069533	1,072290148	Ube1y1	
17380244	5,782831	5,521852	6,194344	5,96784	5,949735	5,883554	5,833009	5,933709667	0,10070067	1,072294112	1700021F07Rik	
17210401	6,159151	6,413738	6,137146	6,909513	6,318429	5,784204	6,2366783	6,337382	0,10070367	1,072296342	---	
17207323	6,818499	6,704703	6,868115	7,050788	6,199887	7,442798	6,7971057	6,897824333	0,10071867	1,072307491	---	
17425978	4,89085	5,345223	4,860025	5,22024	5,331926	4,846117	5,0320327	5,132761	0,10072833	1,072314676	Mup12	
17477002	3,780787	3,728638	3,978132	3,728654	4,219309	3,841783	3,8291857	3,929915333	0,10072967	1,072315667	Vmn2r60	
17373550	8,741453	8,721177	8,420708	8,712046	8,5378	8,93572	8,6277793	8,728522	0,10074267	1,072325329	Trp53i11	
17392549	6,975749	7,035357	7,053521	7,458711	6,949735	6,958412	7,0215423	7,122286	0,10074367	1,072326073	9030622O22Rik	
17532739	5,519624	5,413988	5,520724	5,630012	5,639974	5,486597	5,4847787	5,585527667	0,100749	1,072330037	Shroom4	
17404772	3,658215	3,588246	3,889839	3,996343	3,680513	3,761713	3,7121	3,812856333	0,10075633	1,072335487	Ccdc144b	
17318830	9,959538	10,01829	10,01457	10,00225	10,24614	10,04633	9,997466	10,09824	0,100774	1,072348619	Myh9	
17509113	3,186531	3,285585	3,430634	3,387238	3,397241	3,420608	3,3009167	3,401695667	0,100779	1,072352335	---	
17327450	4,902137	5,089062	5,194986	5,161113	5,092104	5,235315	5,0620617	5,162844	0,10078233	1,072354813	Kcnj15	
17225046	6,57541	6,326041	6,458458	6,631371	6,536714	6,494195	6,453303	6,554093333	0,10079033	1,072360759	C130026I21Rik	
17466894	5,266458	5,070308	5,572193	5,329705	5,533778	5,347877	5,3029863	5,403786667	0,10080033	1,072368193	Hoxa13	
17206391	3,970552	4,182369	4,170401	4,135428	4,586143	3,904157	4,107774	4,208576	0,100802	1,072369431	---	
17244657	4,23225	3,897973	4,302217	4,076254	3,965672	4,692958	4,1441467	4,244961333	0,10081467	1,072378847	---	
17400103	5,735671	5,241322	5,776793	5,795582	5,667346	5,593374	5,5845953	5,685434	0,10083867	1,072396686	Celf3	
17258374	5,683915	5,68388	5,850823	5,930618	5,772401	5,818211	5,7395393	5,84041	0,10087067	1,072420473	Myo15b	
17385967	6,530464	6,617466	6,678032	6,641643	6,789397	6,697545	6,6086554	6,709528333	0,10087433	1,072423199	Galnt3	
17394631	8,891464	8,852575	8,687071	8,754737	8,977872	9,001132	8,81037	8,911247	0,100877	1,072425181	Stau1	
17344690	8,422886	8,64727	8,462932	8,583165	8,461203	8,791388	8,5110293	8,611918667	0,10088933	1,072434349	---	
17387784	3,173125	3,076423	3,11347	3,206295	3,453524	3,005873	3,121006	3,221897333	0,10089133	1,072435836	Olfr1156	
17203339	4,89561	4,980131	4,424068	4,680235	5,432714	4,489544	4,766603	4,867497667	0,10089467	1,072438314	---	
17203139	4,028436	4,485634	4,974502	4,74101	4,742395	4,307871	4,4961907	4,597092	0,10090133	1,072443269	---	
17395368	3,622149	3,805252	3,651718	3,877398	3,877619	3,626827	3,6930397	3,793948	0,10090833	1,072448473	LOC628147	
17379659	5,788464	5,8446	6,073499	6,039244	5,899702	6,070344	5,9021877	6,003096667	0,100909	1,072448968	Cd40	
17206639	5,532643	5,607937	5,813332	5,9722	5,362548	5,921928	5,651304	5,752225333	0,10092133	1,072458137	---	
17461080	5,1321	5,374264	5,383567	5,436898	5,520267	5,235533	5,2966437	5,397566	0,10092233	1,07245888	---	
17330749	3,240753	3,287203	3,088152	3,119537	3,49748	3,301888	3,2053693	3,306301667	0,10093233	1,072466314	---	
17339313	6,652571	6,877114	6,443437	6,57608	6,995904	6,703947	6,6577073	6,758643667	0,10093633	1,072469287	Epb4.1l3	
17279050	4,372282	4,125552	4,308971	4,248075	4,520211	4,341329	4,268935	4,369871667	0,10093667	1,072469535	6030440G07Rik	
17551065	7,747422	7,987767	7,760596	7,79496	7,934834	8,068874	7,8319283	7,932889333	0,100961	1,072487624	---	
17518092	4,21249	4,203077	4,181605	4,196061	4,416696	4,287355	4,1990573	4,300037333	0,10098	1,072501749	Lrrc49	
17453135	5,778019	5,518032	4,308971	4,896334	4,756973	6,254701	5,201674	5,302669333	0,10099533	1,072513148	---	
17317419	4,525891	4,426005	4,284939	4,420194	4,473554	4,646114	4,4122783	4,513287333	0,101009	1,072523308	LOC432958	
17390561	5,655258	5,536511	5,564703	5,687013	5,69963	5,672859	5,5854907	5,686500667	0,10101	1,072524051	Catsper2	
17258287	7,296572	7,40189	7,51532	7,524996	7,486259	7,50557	7,404594	7,505608333	0,10101433	1,072527272	2310067B10Rik	
17534935	3,019596	3,14186	3,062588	3,071686	3,156404	3,299006	3,0746813	3,175698667	0,10101733	1,072529503	---	
17380782	5,489101	5,480759	5,618036	5,524195	5,864055	5,502717	5,5292987	5,630322333	0,10102367	1,072534211	Ntsr1	
17200927	5,774708	6,463876	6,178576	6,047179	6,172853	6,500207	6,1390533	6,240079667	0,10102633	1,072536194	---	
17531207	7,924759	7,877794	7,764627	7,995252	7,871774	8,003246	7,8557267	7,956757333	0,10103067	1,072539415	Ndufaf3	
17293803	5,760944	5,640419	5,765838	6,079252	5,850426	5,540621	5,7224003	5,823433	0,10103267	1,072540902	---	
17433815	6,218441	6,22177	6,450105	6,427922	6,467176	6,298392	6,296772	6,39783	0,101058	1,072559736	Mmp23	
17414861	5,253559	4,901289	4,907852	5,07605	5,264419	5,025424	5,0209	5,121964333	0,10106433	1,072564444	C630043F03Rik	
17251900	5,18571	5,091622	4,925239	5,138577	5,20847	5,158722	5,0675237	5,168589667	0,101066	1,072565683	Dlg4	
17203653	7,560218	7,753076	7,436678	7,879969	7,532174	7,641043	7,583324	7,684395333	0,10107133	1,072569648	---	
17302989	6,336985	6,05919	5,961188	6,204999	6,162788	6,292811	6,119121	6,220199333	0,10107833	1,072574852	Gm3500	
17546205	3,186048	3,087107	3,15581	3,235965	3,28427	3,212024	3,1429883	3,244086333	0,101098	1,072589474	4933400A11Rik	
17364251	9,767685	9,745861	9,797362	9,738399	10,03375	9,842061	9,7703027	9,871403333	0,10110067	1,072591456	Ide	
17411547	7,881037	7,784754	7,820227	7,81295	8,008217	7,96819	7,8286727	7,929785667	0,101113	1,072600626	Chchd7	
17473948	3,551667	3,638491	3,304511	3,694012	3,567493	3,536632	3,498223	3,599379	0,101156	1,072632595	Gm4745	
17384008	5,588868	5,854734	5,817696	5,844014	5,837781	5,882977	5,753766	5,854924	0,101158	1,072634082	Ptrh1	
17398929	6,572576	6,559372	6,482163	6,562121	6,643257	6,712228	6,538037	6,639202	0,101165	1,072639287	Iqgap3	
17311463	6,268104	6,180397	5,922159	6,201103	6,231369	6,241685	6,1235533	6,224719	0,10116567	1,072639782	Utp23	
17203635	4,628297	5,460564	4,205647	5,33693	4,785754	4,475336	4,764836	4,866006667	0,10117067	1,0726435	---	
17491644	5,786474	5,190456	6,22799	5,776377	5,645864	6,086211	5,7349733	5,836150667	0,10117733	1,072648457	Snrpn	
17435700	4,618358	4,876585	5,29546	4,74166	4,962779	5,389602	4,9301343	5,031347	0,10121267	1,072674727	---	
17407376	5,673217	5,420425	5,367627	5,790091	5,50078	5,474094	5,4870897	5,588321667	0,101232	1,072689102	---	
17287260	5,674331	5,879863	5,912245	6,043653	5,827289	5,899202	5,8221463	5,923381333	0,101235	1,072691333	Fbxw17	
17205535	3,549846	3,604529	3,916545	3,398308	4,195785	3,780591	3,6903067	3,791561333	0,10125467	1,072705956	---	
17430576	7,840261	7,896019	7,964985	8,028086	7,970567	8,006454	7,9004217	8,001702333	0,10128067	1,072725288	Tinagl1	
17272745	6,303397	6,697633	6,7122	6,700329	6,692308	6,624553	6,5710767	6,672396667	0,10132	1,072754535	Usp36	
17352775	5,316893	5,506303	5,322732	5,361904	5,870379	5,217638	5,381976	5,483307	0,101331	1,072762714	---	
17515886	10,25352	10,25054	10,2688	10,29679	10,4069	10,37319	10,25762	10,35896	0,10134	1,072769407	Srpr	
17306952	3,20385	3,279853	3,308765	3,836089	3,25895	3,00149	3,264156	3,365509667	0,10135367	1,072779569	Mcpt9	
17467696	3,555192	3,638579	3,57016	3,561821	3,869948	3,63625	3,587977	3,689339667	0,10136267	1,072786261	9130221F21Rik	
17506327	6,395617	6,736799	6,560802	7,273059	6,394434	6,329819	6,564406	6,665770667	0,10136467	1,072787749	Gm20269	
17416243	3,994832	3,550046	3,56083	3,820264	3,919368	3,670243	3,7019027	3,803291667	0,101389	1,072805843	---	
17507012	5,133698	5,546556	5,154064	5,224489	5,392645	5,521451	5,278106	5,379528333	0,10142233	1,07283063	---	
17522998	5,140566	4,767956	4,962397	4,94165	5,008358	5,22521	4,956973	5,058406	0,101433	1,072838562	Dlec1	
17221918	3,695754	3,64477	3,691162	3,782879	3,739468	3,813675	3,6772287	3,778674	0,10144533	1,072847734	4931408C20Rik	
17500242	3,688395	3,850462	3,97909	3,985472	4,067913	3,768936	3,8393157	3,940773667	0,101458	1,072857154	---	
17401500	10,27253	10,12928	9,87655	10,14244	10,26793	10,17245	10,092787	10,19427333	0,10148667	1,072878472	Dram2	
17539409	3,699229	3,39998	3,238438	3,451216	3,720141	3,470802	3,4458823	3,547386333	0,101504	1,072891362	---	
17321811	5,92822	5,686764	5,669932	5,737272	5,95305	5,899125	5,7616387	5,863149	0,10151033	1,072896072	Fignl2	
17467449	7,083521	7,088443	7,183339	7,209852	6,921108	7,52895	7,1184343	7,21997	0,10153567	1,072914912	---	
17369580	4,96286	5,164615	5,181511	5,379484	5,236605	4,997563	5,1029953	5,204550667	0,10155533	1,072929538	Lamc3	
17457965	5,20682	4,9819	5,034178	5,206786	5,180658	5,140157	5,0742993	5,175867	0,10156767	1,07293871	Tas2r126	
17277349	5,898287	5,774304	5,947445	6,043651	6,105645	5,775458	5,8733453	5,974918	0,10157267	1,072942429	---	
17348400	7,399288	7,467794	7,268853	7,526656	7,421552	7,492493	7,378645	7,480233667	0,10158867	1,072954328	Gata6	
17202279	6,901625	7,404566	6,941551	7,735435	6,741502	7,075575	7,0825807	7,184170667	0,10159	1,07295532	---	
17220018	7,057164	7,370891	7,092908	7,38457	7,220902	7,22032	7,1736543	7,275264	0,10160967	1,072969946	Cnst	
17453496	5,302311	5,197886	5,520704	5,491313	5,465683	5,368757	5,3403003	5,441917667	0,10161733	1,072975648	Cldn4	
17527769	6,12475	6,055387	5,890821	6,137511	6,226586	6,011728	6,0236527	6,125275	0,10162233	1,072979367	Bbs4	
17291211	7,346791	7,635987	7,338611	7,576755	7,544004	7,505533	7,440463	7,542097333	0,10163433	1,072988291	Hfe	
17270576	6,139494	6,37764	6,594297	6,453318	6,559891	6,403144	6,370477	6,472117667	0,10164067	1,072993002	Wnt9b	
17298631	7,227339	7,198433	7,077679	7,245971	7,174922	7,387491	7,167817	7,269461333	0,10164433	1,072995729	E130203B14Rik	
17540893	6,963827	6,106815	5,682217	7,040589	5,554602	6,462666	6,250953	6,352619	0,101666	1,073011843	Gm2933	
17373638	5,978964	5,959404	5,623367	5,980183	5,671507	6,215068	5,8539117	5,955586	0,10167433	1,073018041	Rag2	
17486727	4,307363	4,316124	4,20417	4,382896	4,463691	4,286206	4,2758857	4,377597667	0,101712	1,073046057	Vmn1r90	
17348879	5,123124	5,488009	5,334555	5,424792	5,306238	5,519815	5,3152293	5,416948333	0,101719	1,073051263	Asxl3	
17416748	8,337526	8,385395	8,15169	8,343566	8,441854	8,394372	8,291537	8,393264	0,101727	1,073057213	Txndc12	
17448960	9,722276	9,747118	9,630633	9,757994	9,803628	9,843634	9,700009	9,801752	0,101743	1,073069114	Clock	
17424219	7,241841	7,093043	7,198719	7,276525	7,186768	7,37559	7,1778677	7,279627667	0,10176	1,073081759	Kif24	
17259445	7,785865	7,696555	7,925637	7,857609	8,000152	7,85559	7,8026857	7,904450333	0,10176467	1,07308523	Aspscr1	
17214881	3,499085	3,854739	3,743553	4,059487	3,611389	3,7318	3,6991257	3,800892	0,10176633	1,073086469	---	
17276674	8,400986	8,198458	8,08331	8,366561	8,241686	8,379944	8,2275847	8,329397	0,10181233	1,073120685	Gphn	
17372785	4,050548	3,214815	3,03046	3,704994	3,533926	3,362343	3,4319417	3,533754333	0,10181333	1,073121429	Olfr1030	
17550404	6,374701	6,250922	6,40979	6,367619	6,51906	6,454247	6,3451377	6,446975333	0,10183767	1,073139529	---	
17435771	9,130785	9,308879	9,113243	9,339948	9,380429	9,138044	9,1843023	9,286140333	0,101838	1,073139777	Ept1	
17373513	4,10537	4,284221	4,337595	4,369738	4,29501	4,367964	4,2423953	4,344237333	0,101842	1,073142752	---	
17481624	2,97813	2,982144	2,966949	3,052621	3,051733	3,128402	2,975741	3,077585333	0,10184433	1,073144488	Olfr506	
17383188	10,06471	10,0183	9,938884	10,09529	10,18838	10,04384	10,007298	10,10917	0,101872	1,073165068	Surf4	
17265800	3,12209	2,923247	3,230967	3,165675	3,188452	3,227812	3,0921013	3,193979667	0,10187833	1,073169779	Olfr395	
17325686	8,25402	8,216047	8,154257	8,45473	8,210703	8,264566	8,208108	8,309999667	0,10189167	1,073179697	Zbtb20	
17245751	5,595379	5,869626	5,669931	5,779525	5,6216	6,039489	5,7116453	5,813538	0,10189267	1,073180441	Arhgef25	
17228544	10,34961	10,10141	10,21719	10,14793	10,45119	10,37478	10,222737	10,32463333	0,10189667	1,073183417	Soat1	
17352880	3,270892	2,881281	3,149938	3,206858	3,270892	3,130107	3,1007037	3,202619	0,10191533	1,073197302	---	
17306333	8,741094	8,70589	8,671275	8,769431	8,9132	8,74138	8,7060863	8,808003667	0,10191733	1,07319879	Dad1	
17421263	4,204547	4,106171	3,972457	4,042815	4,075346	4,470815	4,0943917	4,196325333	0,10193367	1,07321094	Gm13102	
17286104	10,88193	11,1634	10,92632	11,02609	11,20175	11,04962	10,99055	11,09248667	0,10193667	1,073213172	---	
17322621	7,88704	7,978312	7,961093	8,084052	8,027875	8,020333	7,9421483	8,044086667	0,10193833	1,073214412	Nudt16l1	
17324451	8,43618	8,526333	8,318513	8,586297	8,377966	8,622606	8,4270087	8,528956333	0,10194767	1,073221355	Lpp	
17371421	5,534158	5,650749	5,457897	5,62027	5,786593	5,541796	5,5476013	5,649553	0,10195167	1,073224331	---	
17402113	10,15685	9,806911	9,591594	9,78731	9,933723	10,14021	9,851785	9,953747667	0,10196267	1,073232513	Dpyd	
17492575	6,800546	6,743033	7,159974	7,035995	7,135379	6,838072	6,9011843	7,003148667	0,10196433	1,073233753	Fes	
17251328	7,055439	6,977592	7,166985	7,26433	7,096237	7,145347	7,066672	7,168638	0,101966	1,073234993	Pik3r6	
17522736	7,440387	7,564186	7,362983	7,514868	7,608247	7,550369	7,455852	7,557828	0,101976	1,073242432	Glb1	
17526776	7,114655	7,333302	7,257379	7,133194	7,434321	7,443757	7,235112	7,337090667	0,10197867	1,073244416	Ncam1	
17479326	3,525603	3,607239	4,107316	3,91112	3,818945	3,81612	3,7467193	3,848728333	0,102009	1,073266982	Gm20331	
17279164	11,41214	11,18575	11,1551	11,41015	11,26005	11,38884	11,250997	11,35301333	0,10201667	1,073272685	---	

17220417	6,040559	6,437821	6,384444	6,853088	6,175756	6,140088	6,287608	6,389644	0,102036	1,073287068	Susd4
17201383	4,103771	4,042363	3,51964	4,170121	3,784815	4,016961	3,8885913	3,990632333	0,102041	1,073290788	---
17348464	9,423162	9,649295	9,635153	9,439184	10,0784	9,496232	9,5692033	9,671272	0,10206867	1,073311371	---
17434095	5,669318	5,451223	6,735663	7,324757	5,341499	5,49617	5,952068	6,054142	0,102074	1,073315338	4933409K07Rik
17322402	3,897843	3,986342	4,242076	4,165542	4,148157	4,118815	4,042087	4,144171333	0,10208433	1,073323026	Gtsf1
17341997	7,469859	7,983318	7,731768	7,822501	8,100792	7,567943	7,728315	7,830412	0,102097	1,07333245	---
17470196	7,231655	7,465025	7,205573	7,475164	7,426221	7,307169	7,300751	7,402851333	0,10210033	1,07333493	Ankrd26
17363084	4,284884	4,156988	3,919393	4,454393	3,980222	4,232957	4,1204217	4,222524	0,10210233	1,073336418	---
17207961	5,47963	5,072929	4,825469	5,509017	4,975936	5,199397	5,1260093	5,228116667	0,10210733	1,073340138	---
17461151	4,356398	4,290475	4,157731	4,451356	4,256456	4,403128	4,2682013	4,370313333	0,102112	1,073343609	Gm19665 // Gm19665
17353407	3,04935	2,972862	3,22122	3,426713	3,190238	2,932826	3,081144	3,183259	0,102115	1,073345841	---
17238677	5,720472	5,303987	5,723129	5,603686	5,731822	5,718501	5,5825293	5,684669667	0,10214033	1,073364689	Olfr792
17344682	6,474833	6,699902	7,038602	7,013945	6,646343	6,859471	6,737779	6,839919667	0,10214067	1,073364937	---
17266245	6,559832	6,248173	6,127676	6,517345	6,465353	6,259432	6,3118937	6,414043333	0,10214967	1,073371633	Trp53i13
17494801	3,559159	3,604183	3,520478	3,907036	3,396667	3,6866	3,5612733	3,663434333	0,102161	1,073380065	Olfr493
17446446	4,706345	4,386467	3,805176	4,406094	4,412678	4,385729	4,2993293	4,401500333	0,102171	1,073387506	---
17508082	7,889268	7,793584	7,847747	8,013159	7,924957	7,899008	7,843533	7,945708	0,102175	1,073390482	Ikbkb
17353881	7,027431	7,087271	7,00032	7,021863	7,213603	7,186109	7,0383407	7,140525	0,10218433	1,073397426	Arap3
17491505	2,907922	2,941553	3,025801	3,113903	3,053003	3,014952	2,9584253	3,060619333	0,102194	1,073404618	---
17267049	3,732819	3,57476	3,65847	3,815211	3,595442	3,861989	3,6553497	3,757547333	0,10219767	1,073407346	1700109G15Rik
17498884	4,026234	3,759268	3,918157	3,93803	3,701981	4,37035	3,9012197	4,003453667	0,102234	1,07343438	A630009H07Rik
17384477	3,327389	3,448081	3,269097	3,494087	3,47089	3,386294	3,348189	3,450423667	0,10223467	1,073434876	4930402F06Rik
17375275	11,45091	11,40941	11,40871	11,48477	11,5116	11,57939	11,42301	11,52525333	0,10224333	1,073441324	Pdia3
17478496	4,385411	4,469991	4,473325	4,658542	4,564474	4,412488	4,442909	4,545168	0,102259	1,073452981	Luzp2
17291143	4,893982	4,200748	5,002595	4,761534	4,975904	4,666696	4,6991083	4,801378	0,10226967	1,073460918	---
17462686	4,797677	4,746795	4,883898	5,075665	4,790268	4,869256	4,8094567	4,911729667	0,102273	1,073463398	Dppa3
17548565	5,677449	5,806159	5,622758	5,941844	5,677599	5,793756	5,702122	5,804399667	0,10227767	1,07346687	Gm19613
17494815	3,084415	3,089906	3,254641	3,426274	3,298235	3,011306	3,1429873	3,24527667	0,10228433	1,073471831	Olfr517
17456001	7,621763	7,807909	7,446313	7,619086	7,748523	7,815249	7,6253283	7,727619333	0,102291	1,073476791	Glcci1
17526843	10,86833	10,74821	10,79191	10,853	10,97267	10,88967	10,802817	10,90511333	0,10229667	1,073481008	Sdhd
17343469	3,88879	3,758153	4,007116	4,008927	3,889687	4,062351	3,8846863	3,986988333	0,102302	1,073484976	Zfp811
17286707	7,420749	7,043482	6,979338	7,202769	7,387292	7,160426	7,1478563	7,250162333	0,102306	1,073487952	Gcnt2
17473786	6,674399	6,674007	6,718392	6,700089	6,744034	6,929672	6,6889327	6,791265	0,10233233	1,073507547	Zscan22
17430234	3,09098	3,313119	3,160538	3,309126	3,226818	3,335691	3,1882123	3,290545	0,10233267	1,073507795	1700112K13Rik
17372024	4,825282	4,808096	4,976539	4,862123	4,844219	5,210578	4,8699723	4,972306667	0,10233433	1,073509035	Gm10822
17397663	7,565703	7,442643	7,35051	7,490323	7,61238	7,563261	7,452952	7,555321333	0,10236933	1,073535079	Spg20
17530719	4,775748	4,830742	5,209678	5,083498	5,074965	4,964839	4,9387227	5,041100667	0,102378	1,073541528	Iqcf3
17208811	4,378092	3,685428	3,318185	3,403116	4,18977	4,095963	3,7939017	3,896283	0,10238133	1,073544008	---
17255653	8,369694	8,455302	8,410069	8,53048	8,549019	8,462874	8,4116883	8,514124333	0,102436	1,073584688	Cbx1
17464331	5,605452	5,496641	5,543075	5,61742	5,692451	5,642693	5,5483893	5,650854667	0,10246533	1,073606516	Arntl2
17495953	4,960075	5,284851	4,916068	5,038433	5,103972	5,325986	5,0536647	5,156130333	0,10246567	1,073606764	---
17548365	8,004303	7,975243	8,115426	8,000904	8,282953	8,118522	8,0316573	8,134126333	0,102469	1,073609245	---
17254776	7,69098	7,851734	7,93065	7,873139	7,846529	8,061186	7,8244547	7,926951333	0,10249667	1,073629834	Mtmr4
17490078	5,896909	5,961848	5,791217	6,115636	5,885601	5,956249	5,8833247	5,985828667	0,102504	1,073635291	Gm5595
17427727	3,001297	2,925998	2,976588	3,021918	3,10251	3,087041	2,967961	3,070489667	0,10252867	1,073653648	---
17551145	5,447109	5,770549	5,481572	5,155986	6,028597	5,822237	5,56641	5,66894	0,10253	1,07365464	---
17286990	4,273663	3,969419	3,986998	4,365271	4,015348	4,157076	4,0766933	4,179231667	0,10253833	1,073660842	Gm1574
17528456	6,335046	6,091418	6,216383	6,323494	6,304304	6,322829	6,2142823	6,316875667	0,10259333	1,073701774	Tln2
17523371	7,384859	7,3942	7,538231	7,541213	7,655998	7,427873	7,4390967	7,541694667	0,102598	1,073705247	Ccbp2
17317264	6,561517	6,805628	6,041349	7,205098	6,000503	6,510714	6,469498	6,572105	0,102607	1,073711945	---
17393334	4,696988	4,65999	5,141	5,040712	5,010905	4,754209	4,8326593	4,935275333	0,102616	1,073718643	---
17509101	7,306613	7,716647	6,808874	7,261129	7,451962	7,426937	7,277378	7,380009333	0,10263133	1,073730055	Tlr3
17540188	4,475223	4,453381	4,741266	4,650153	4,832848	4,494777	4,5566233	4,659259333	0,102636	1,073733528	Srpx
17538766	9,411557	9,726255	9,472397	9,662411	9,539201	9,716571	9,5367363	9,639394333	0,102658	1,073749902	---
17534273	5,797781	5,430879	5,387367	5,644433	5,567672	5,71195	5,5386757	5,641351667	0,102676	1,073763299	Rhox4e
17495475	8,944782	8,940391	8,736451	9,008867	8,987597	8,933249	8,8738747	8,976571	0,10269633	1,073778433	Smg1
17369131	7,464122	7,71661	7,729818	7,782374	7,751309	7,684997	7,63685	7,73956	0,10271	1,073788605	Phyhd1
17238852	7,378609	7,672609	7,368271	7,828795	7,558515	7,340361	7,473163	7,575890333	0,10272733	1,073801506	Syne1
17365314	9,652032	9,757202	9,859381	9,978209	9,816985	9,781618	9,756205	9,858937333	0,10273233	1,073805227	Ldb1
17457985	4,812762	5,071083	5,052162	4,781249	5,253214	5,209778	4,978669	5,081413667	0,10274467	1,073814407	Olfr446
17299174	5,206238	5,250749	5,124314	5,066757	5,591247	5,231551	5,193767	5,296518333	0,10275133	1,073819369	Ptgdr
17487952	11,35021	11,28276	11,0998	11,21817	11,37169	11,45117	11,244257	11,34701	0,10275333	1,073820858	Ceacam1
17208983	6,450489	5,776138	6,198928	6,530387	6,352552	5,850907	6,1418517	6,244615333	0,10276367	1,073828549	---
17532714	6,753838	5,61659	6,325979	6,895898	5,744137	6,364686	6,2321357	6,334907	0,10277133	1,073834256	Gm10922
17244208	5,583264	5,411972	5,765821	5,572124	5,984626	5,512628	5,587019	5,689792667	0,10277367	1,073835993	Gm19998
17202757	5,547605	4,777668	4,47201	5,158878	4,980235	4,966529	4,9324277	5,035214	0,10278633	1,073845421	---
17534240	3,804126	3,626901	3,76695	3,786274	3,838186	3,881885	3,732659	3,835448333	0,10278933	1,073847654	Rhox2d
17359419	4,163166	4,370539	4,195896	4,166842	4,383101	4,48804	4,2432003	4,345994333	0,102794	1,073851127	A130015J22Rik // A130015J22Rik
17512740	8,792322	8,75363	8,953799	8,921327	8,928565	8,958247	8,8332503	8,936046333	0,102796	1,073852616	Nob1
17412703	3,357306	3,360548	3,775878	3,91098	3,320741	3,570423	3,4979107	3,600714667	0,102804	1,073858571	---
17463465	3,415848	3,75066	3,658426	3,556227	3,777875	3,799271	3,6083113	3,711124333	0,102813	1,07386527	Clec2g
17200373	6,176398	5,197208	5,203559	5,355796	5,760679	5,769139	5,5257217	5,628538	0,10281633	1,073867751	---
17355607	5,283249	5,516479	5,446901	5,321932	5,617894	5,615253	5,415543	5,518359667	0,10281667	1,073867999	Setbp1
17536215	3,12277	3,15787	3,405831	3,280752	3,516756	3,197429	3,2288237	3,331645667	0,102822	1,073871969	---
17546222	9,262808	9,206956	8,96107	9,186041	9,208579	9,344714	9,1436113	9,246444667	0,10283333	1,073880405	Tmlhe
17216868	4,17718	4,396561	4,613096	4,351174	4,678094	4,46612	4,3956123	4,498462667	0,10285033	1,073893059	Mir128-1
17539777	3,568267	3,48707	3,809701	3,550832	3,850189	3,772655	3,6216793	3,724558667	0,10287933	1,073914646	5430428K19Rik
17434890	4,730455	4,995677	4,907943	4,912789	4,95403	5,075959	4,878025	4,980926	0,102901	1,073930774	Cacna2d1
17254210	8,580581	8,732242	8,635683	8,704041	8,744883	8,808299	8,649502	8,752407667	0,10290567	1,073934248	Ap2b1
17538808	6,816196	7,849802	5,338126	7,16345	6,346176	6,803337	6,6680413	6,770987667	0,10294633	1,073964521	---
17333347	10,97049	10,82303	10,66833	10,69683	11,02913	11,04477	10,820617	10,92357667	0,10296	1,073974694	Sod2
17418485	7,747435	7,767654	7,719836	7,896684	7,93383	7,713344	7,744975	7,847952667	0,10297767	1,073987846	Csf3r
17487730	5,127495	5,041557	5,071026	5,209573	5,155202	5,184238	5,080026	5,183004333	0,10297833	1,073988342	Zfp575
17393709	4,762579	4,922503	5,118695	5,042508	5,006166	5,06409	4,9345923	5,037588	0,10299567	1,074001246	4922505G16Rik
17419783	6,796765	6,628722	6,693739	6,759881	6,882427	6,785943	6,7064087	6,809417	0,10300833	1,074010675	Paqr7
17398285	3,098344	3,089684	3,1665	3,154372	3,240005	3,269186	3,118176	3,221187667	0,10301167	1,074013157	---
17548532	5,584787	6,460426	5,932548	6,141832	6,046092	6,09897	5,992587	6,095631333	0,10304433	1,074037476	Col1a2 // Col1a2
17233629	10,80305	10,86245	10,7333	10,82257	10,99066	10,89475	10,7996	10,90266	0,10306	1,074049139	Psap
17551097	11,23331	11,26813	11,25843	11,32675	11,31148	11,43089	11,25329	11,35637333	0,10308333	1,07406651	---
17404967	4,308297	4,209289	4,275906	4,457566	4,334373	4,310858	4,2644973	4,367599	0,10310167	1,074080159	1700017G19Rik
17539682	5,374144	4,82991	4,861874	5,137207	5,246138	4,991915	5,021976	5,125086667	0,10311067	1,07408686	BC022960
17405285	6,098276	6,187511	6,089378	6,296628	6,269255	6,118635	6,125055	6,228172667	0,10311767	1,074092071	Nbea
17202197	3,032987	3,430817	3,486447	3,684716	3,417531	3,157401	3,3167503	3,419882667	0,10313233	1,074102991	---
17300365	7,364215	8,327519	8,271238	7,988584	8,153574	8,130217	7,9876573	8,090791667	0,10313433	1,07410448	---
17381014	7,501108	7,528313	7,568936	7,759364	7,575358	7,573061	7,5327857	7,635927667	0,103142	1,074110188	Zgpat
17550596	9,509447	9,887488	9,495716	9,849592	9,94454	9,407969	9,6308837	9,734033667	0,10315	1,074116144	---
17465512	8,917146	8,814692	8,696356	8,892767	8,867375	8,97752	8,809398	8,912554	0,103156	1,074120611	Tmem209
17506296	4,935703	4,92556	5,271265	4,94187	5,396159	5,104042	5,044176	5,147357	0,103181	1,074139224	Foxc2
17401539	4,940662	4,65616	4,844087	4,872975	4,890827	4,98669	4,8136363	4,916830667	0,10319433	1,074149151	Kcna2
17359930	8,699937	8,074258	8,393126	8,464294	8,34661	8,666005	8,389107	8,492303	0,103196	1,074150392	---
17539356	5,173282	5,181612	5,404501	5,263496	5,440889	5,364651	5,2531317	5,356345333	0,10321367	1,074163546	Scml2
17516707	6,365335	6,732497	6,547118	6,543041	6,731927	6,679668	6,5483167	6,651545333	0,10322867	1,074174714	Mpzl3
17201395	6,806529	5,756068	6,541518	6,689139	6,745041	5,97966	6,3680383	6,47128	0,10324167	1,074184394	---
17542367	6,259281	6,328828	6,528184	6,58324	6,548648	6,294169	6,3720977	6,475352333	0,10325467	1,074194073	Pnck
17225630	4,909862	5,110747	5,436552	5,300133	5,255876	5,210943	5,152387	5,255650667	0,10326367	1,074200774	Kif1a
17480955	5,130622	5,228527	5,478437	5,480055	5,417175	5,250183	5,2791953	5,382471	0,10327567	1,074209709	Phox2a
17280207	8,309199	8,356739	8,235079	8,340667	8,443124	8,427104	8,300339	8,403631667	0,10329267	1,074222367	Adam17
17422401	5,925946	5,868787	5,960037	5,965468	6,087388	6,01192	5,9182567	6,021592	0,10333533	1,074254137	---
17261639	4,703555	4,712864	4,686638	4,868005	4,80338	4,741678	4,701019	4,804354333	0,10333533	1,074254137	---
17394267	7,064433	7,170572	7,452665	6,943552	7,984123	7,070024	7,2292233	7,332566333	0,103343	1,074259846	Tnnc2
17342625	7,232949	7,486431	7,30707	7,348921	7,576133	7,411448	7,34215	7,445500667	0,10335067	1,074265555	Itfg3
17440711	4,308638	4,049197	4,056485	4,222807	4,180738	4,320861	4,1381067	4,241468667	0,103362	1,074273994	1700095B10Rik
17404601	7,667543	7,661888	7,283639	7,728324	7,787027	7,40784	7,53769	7,641063667	0,10337367	1,074282681	Gnb4
17271237	4,825946	5,045175	4,977878	5,060573	5,329278	4,769307	4,9496663	5,053052667	0,10338633	1,074292113	Gm11696
17541856	6,059676	6,271093	6,091306	6,204916	6,12892	6,398411	6,1406917	6,244082333	0,10339067	1,07429534	Mtap7d3
17493310	2,70759	3,224263	3,123145	3,184329	3,216433	2,964412	3,0183327	3,121724667	0,103392	1,074296333	---
17266010	5,006489	4,85679	5,120044	5,018468	5,018872	5,256183	4,994441	5,097841	0,1034	1,07430229	Doc2b
17500551	6,489957	6,259781	6,509247	6,454235	6,708559	6,406421	6,4196617	6,523071667	0,10341	1,074309737	Mfhas1
17208103	3,358801	3,37906	3,259549	3,656368	3,36501	3,286322	3,33247	3,4359	0,10343	1,07432463	---
17547020	5,367386	5,446934	5,848019	5,849187	5,990697	5,132786	5,554113	5,657556667	0,10344367	1,074334807	LOC664924
17508729	4,215318	4,024947	4,28777	4,240587	4,398109	4,199697	4,1760117	4,279464333	0,10345267	1,074341509	B930018H19
17236688	6,18128	5,951396	6,342883	6,162088	6,362867	6,261036	6,1585197	6,261997	0,10347733	1,074359878	Tmcc3
17435116	7,815938	8,03928	7,760827	7,805999	8,115501	8,005135	7,872015	7,975545	0,10353	1,074399099	Armc10
17262347	11,77074	11,79941	11,68658	11,77884	11,87802	11,91054	11,752243	11,8558	0,10355667	1,074418958	---
17218449	4,142204	4,044871	4,327515	4,373146	4,206297	4,245843	4,17153	4,275095333	0,10356533	1,074425413	Angptl1
17499113	4,80187	4,782474	4,842607	4,6729	5,089178	4,975605	4,8089837	4,912561	0,10357733	1,074434349	---
17294974	8,979218	8,926425	8,721517	8,845763	9,007976	9,084175	8,87572	8,979304667	0,10358467	1,074439811	Papd4
17390318	8,550453	8,657941	8,527045	8,631212	8,74192	8,67313	8,5784797	8,682087333	0,10360767	1,07445694	Ubr1
17210433	5,582977	4,780395	5,334212	5,357312	5,122208	5,528907	5,232528	5,336142333	0,10361433	1,074461905	---
17528160	8,34851	8,342911	8,169133	8,372636	8,447273	8,35154	8,2868513	8,390483	0,10363167	1,074474815	Map2k1
17389571	7,346804	7,294527	7,104951	7,186265	7,529182	7,341743	7,2487607	7,352396667	0,103636	1,074478042	Zfp770
17282171	7,742198	7,794657	7,611637	7,8072	7,841366	7,810883	7,716164	7,819816333	0,10365233	1,074490207	Zfyve26
17407798	8,00462	8,050985	8,021585	8,085606	8,163425	8,139144	8,02573	8,129391667	0,10366167	1,074497158	Setdb1
17520830	5,155673	5,069333	5,250138	5,277265	5,28424	5,224696	5,1583813	5,262067	0,10368567	1,074515033	Ephb1 // Ephb1

17472760	4,307823	4,431798	4,502888	4,624509	4,578526	4,350537	4,4141697	4,517857333	0,10368767	1,074516522	Bhlhe41
17214857	5,978054	5,686495	5,93547	6,021802	6,016915	5,872375	5,866673	5,970364	0,103691	1,074519005	Ccl20
17222677	4,104662	3,981117	4,242216	4,12028	4,339503	4,179314	4,1093317	4,213032333	0,10370067	1,074526205	---
17235456	5,251013	5,2455	5,34519	5,67842	5,353727	5,120666	5,2805677	5,384271	0,10370333	1,074528191	Amh
17228588	7,894215	7,857714	7,715321	7,884936	7,817624	8,075802	7,8224167	7,926120667	0,103704	1,074528688	Ralgps2
17366716	5,760169	5,687955	5,426545	6,08175	5,520269	5,583774	5,6248897	5,728597667	0,103708	1,074531667	---
17343617	9,534175	9,404196	9,504796	9,562284	9,629211	9,562829	9,4810557	9,584774667	0,103719	1,07453986	Rab11b
17352171	2,875854	2,872047	2,919829	2,912423	3,046694	3,019778	2,8892433	2,992965	0,10372167	1,074541846	---
17527848	5,673297	5,85073	5,832202	5,929122	5,927538	5,81076	5,7854097	5,88914	0,10373033	1,074548301	Thsd4
17269905	5,184484	4,680899	5,371585	5,167305	5,312474	5,068439	5,0789893	5,182739333	0,10375	1,074562949	Rundc1 // Rundc1
17370450	5,529886	5,1516	5,57034	5,503295	5,484779	5,575026	5,4172753	5,521033333	0,103758	1,074568908	---
17424621	5,198253	5,102386	5,010577	5,328111	5,179854	5,114575	5,1037387	5,207513333	0,10377467	1,074581322	Sit1
17383284	7,637041	7,510897	7,373964	7,570237	7,62468	7,638314	7,5073007	7,611077	0,10377633	1,074582563	Vav2
17314437	3,276183	3,313904	3,140296	3,401628	3,428996	3,211107	3,243461	3,347243667	0,10378267	1,074587281	---
17481497	4,696956	4,670975	4,591702	4,931284	4,605192	4,734507	4,653211	4,756994333	0,10378333	1,074587777	Olfr703
17550462	4,791076	4,809646	4,809646	4,867719	4,902871	4,951149	4,803456	4,907246333	0,10379033	1,074592991	---
17280356	3,763801	3,668486	3,713665	3,846582	3,842145	3,768618	3,7153173	3,819115	0,10379767	1,074598453	Dcdc2c
17534484	3,467144	3,262022	3,12596	3,418746	3,44034	3,30744	3,285042	3,388842	0,1038	1,074600191	---
17264405	6,717423	6,732172	6,698168	6,995489	6,582119	6,881618	6,715921	6,819742	0,103821	1,074615833	Ntn1
17437545	3,265697	3,235979	3,216855	3,235739	3,324439	3,46986	3,2395103	3,343346	0,10383567	1,074626758	---
17283588	4,40283	4,039138	4,063271	4,206127	4,521398	4,089282	4,168413	4,272269	0,103856	1,074641904	Gm46
17329675	5,498527	5,264849	5,736649	5,485965	5,553665	5,772004	5,5000083	5,603878	0,10386967	1,074652084	Tmem44
17308603	12,20261	12,17482	12,07829	12,2339	12,26142	12,27205	12,151907	12,25579	0,10388333	1,074662264	Itm2b
17278749	7,208067	7,141317	7,406184	7,410989	7,330009	7,326327	7,251856	7,355775	0,103919	1,074688833	Mir341 // Mir341
17317153	10,55294	10,51176	10,36889	10,72216	10,42676	10,59651	10,477863	10,58181	0,10394667	1,074709442	Sntb1
17432808	7,544652	7,608348	7,630232	7,674384	7,695958	7,724757	7,5944107	7,698366333	0,10395567	1,074716147	Mfn2
17342065	7,282019	7,305424	7,33691	7,562294	7,180491	7,493465	7,3081177	7,412083333	0,10396567	1,074723596	Mapk8ip3
17380468	5,926862	6,170836	6,114191	6,187976	5,907469	6,428357	6,0706297	6,174600667	0,103971	1,074727569	Gm14405 // Gm14405 // Gm14405 // Gı
17240746	3,761458	4,002038	4,164278	4,00412	4,218813	4,016817	3,9759247	4,079916667	0,103992	1,074743213	4933411G06Rik
17295569	5,91479	6,200776	5,1797	5,997376	5,966836	5,643035	5,7650887	5,869082333	0,10399367	1,074744455	Naip2
17271168	7,648289	7,617499	7,360675	7,607531	7,706235	7,624718	7,5421543	7,646161333	0,104007	1,074754388	Prkca
17372876	3,579416	3,635858	3,270892	3,673623	3,632937	3,491637	3,4953887	3,599399	0,10401033	1,074756871	Olfr1140
17282380	5,63392	5,604405	5,307542	5,721881	5,565567	5,570452	5,515289	5,6193	0,104011	1,074757367	Map3k9
17261569	5,456652	5,620229	5,747226	5,610671	5,723333	5,802203	5,6080357	5,712069	0,10403333	1,074774005	Tlx3
17482730	9,692598	9,623279	9,619897	9,81747	9,69331	9,737099	9,645258	9,749293	0,104035	1,074775247	Dctn5
17434864	6,26512	5,466736	5,938615	6,002867	5,836857	6,142888	5,890157	5,994204	0,104047	1,074784187	Speer8-ps1
17303494	3,630328	3,1924	3,356494	3,203095	3,967994	3,32033	3,393074	3,497139667	0,10406567	1,074798093	---
17319380	6,309179	6,303791	6,357483	6,396123	6,486132	6,400395	6,3234843	6,42755	0,10406567	1,074798093	Pdgfb
17517799	8,836452	8,656621	8,765702	8,896668	8,786746	8,887775	8,752925	8,857063	0,104138	1,074851982	Ubl7
17248073	7,735583	8,311838	8,219702	8,295842	8,137438	8,146284	8,089041	8,193188	0,104147	1,074858687	---
17354071	7,549356	7,683219	7,585058	7,784072	7,732793	7,613227	7,6058777	7,710030667	0,104153	1,074863158	Gm4013
17542751	10,4779	10,56212	10,31989	10,60587	10,48447	10,58203	10,453303	10,55745667	0,10415333	1,074863406	Mpp1
17332778	5,52544	5,964482	5,517787	5,833273	5,676969	5,809929	5,6692363	5,773390333	0,104154	1,074863903	3300005D01Rik
17437857	4,880693	4,579172	4,902405	5,100564	4,747725	4,826462	4,7874233	4,891583667	0,10416033	1,074868621	Nsun7
17357547	10,79991	11,08836	10,81473	11,06784	11,10505	10,84263	10,901	11,00517333	0,10417333	1,074878307	---
17509010	3,961483	3,828767	3,917935	3,946798	4,183164	3,89078	3,9027283	4,006914	0,10418567	1,074887496	Gm5346
17405688	9,241815	9,217779	9,250869	9,381893	9,304336	9,336846	9,236821	9,341025	0,104204	1,074901155	Ccnl1
17238731	4,131018	4,157581	4,270698	4,509512	4,100325	4,262136	4,1864323	4,290657667	0,10422533	1,07491705	Ppp1r14c
17231855	4,532835	4,364356	4,542892	4,76699	4,580975	4,404831	4,4800277	4,584265333	0,10423767	1,074926239	Olig3
17246945	6,503732	5,926888	6,202366	6,304852	6,272511	6,368339	6,2109953	6,315234	0,10423867	1,074926985	Rhbdd3
17236269	11,5162	11,2861	11,25657	11,42245	11,44199	11,5072	11,352957	11,45721333	0,10425667	1,074940396	Pah
17289377	5,194104	4,994758	4,648074	5,015825	5,02649	5,107524	4,9456453	5,049946333	0,104301	1,074973429	C430039J16Rik
17537377	3,152517	3,419332	3,216535	3,213085	3,579853	3,308352	3,2627947	3,367096667	0,104302	1,074974174	---
17386454	3,97997	3,930923	3,956347	4,059577	4,023529	4,097044	3,9557467	4,06005	0,10430333	1,074975168	6430710C18Rik
17503862	5,510884	5,592657	5,647484	5,758988	5,644541	5,660408	5,583675	5,687979	0,104304	1,074975664	Capns2
17537532	3,777171	3,606537	3,764746	3,862852	3,850207	3,748353	3,7161513	3,820470667	0,10431933	1,07498709	4930558G05Rik // 4930558G05Rik
17347082	5,580279	5,690234	5,518015	5,863727	5,732943	5,504859	5,596176	5,700509667	0,10433367	1,074999777	Alk
17445008	4,23813	4,210738	4,434748	4,366007	4,419532	4,411144	4,2945387	4,398894333	0,10435567	1,075014163	Wdr95
17464061	5,069953	5,441567	5,040438	5,676915	5,109796	5,078325	5,183986	5,288345333	0,10435933	1,075016895	Gm10400
17366770	4,443172	4,418959	4,411598	4,46407	4,649562	4,473182	4,4245763	4,528938	0,10436167	1,075018634	---
17548309	4,496015	4,402991	4,395273	4,445006	4,728658	4,43373	4,4314263	4,535798	0,10437167	1,075026085	LOC100505143
17298679	4,359344	4,100266	4,288385	4,497149	4,337031	4,22694	4,2493317	4,353706667	0,104375	1,075028569	Gm626
17519610	4,571456	4,535102	4,518762	4,581131	4,829726	4,527591	4,5417733	4,646149333	0,104376	1,075029314	Gcm1
17488406	8,621703	8,683306	8,588113	8,684986	8,874639	8,646626	8,6310407	8,735417	0,10437633	1,075029562	Supt5h
17542237	3,275272	3,42907	3,409352	3,652746	3,337097	3,437075	3,3712313	3,475639333	0,104408	1,075053159	Mir105
17368712	2,818337	3,023066	2,962531	2,977519	3,09675	3,042928	2,9346447	3,039065667	0,104421	1,075062847	---
17403934	3,749823	4,049123	3,754487	3,855308	4,042344	3,969054	3,8511443	3,955568667	0,10442433	1,07506533	Rpe65
17256314	7,599889	7,199519	7,510539	7,708947	7,493546	7,420731	7,436649	7,541074667	0,10442567	1,075066324	Krtap9-1
17391683	5,542747	5,51939	5,723435	5,619539	5,569308	5,910028	5,5951907	5,699625	0,10443433	1,075072782	Prosapip1
17268427	4,671048	4,647325	4,781216	4,806761	4,773323	4,832825	4,699863	4,804303	0,10444	1,075077005	---
17301195	4,066765	4,170625	3,868175	4,087535	4,326247	4,005126	4,0351883	4,139636	0,10444767	1,075082718	Defb43
17283539	9,199003	8,95669	8,750287	9,189482	9,203262	8,826587	8,96866	9,073110333	0,10445033	1,075084705	---
17513514	5,091128	5,142493	5,493154	5,386296	5,565927	5,087972	5,2422583	5,346731667	0,10447333	1,075101845	Fam92b
17234207	5,061867	5,057897	5,149777	5,233949	5,38307	4,965963	5,089847	5,194327333	0,10448033	1,075107061	Pcdh15
17316593	3,39806	3,487135	3,639161	3,587137	3,620717	3,630008	3,5081187	3,612620667	0,104502	1,075123208	---
17482613	4,043031	4,084659	4,121853	4,138809	4,269346	4,154935	4,083181	4,187696667	0,10451567	1,075133392	4933427G17Rik
17284356	9,560185	9,393889	9,177711	9,474445	9,324641	9,646298	9,3772617	9,481794667	0,104533	1,07514631	Igh-VJ558
17368930	7,260222	7,200205	7,449136	7,407777	7,491725	7,32371	7,3031877	7,407737333	0,10454967	1,07515873	Cercam
17420505	7,065578	6,887691	7,012294	7,068117	7,054168	7,156987	6,988521	7,093090667	0,10456967	1,075173635	Mul1
17545518	3,781558	3,672101	3,629032	3,831109	3,654679	3,910675	3,6942303	3,798821	0,10459067	1,075189286	Gm15140
17329475	3,415475	3,346992	3,285067	3,432867	3,561239	3,367208	3,349178	3,453771333	0,10459333	1,075191273	---
17545245	5,935454	6,352908	5,892776	6,132159	6,082688	6,280106	6,0603793	6,164984333	0,104605	1,075199968	---
17489138	7,259726	7,27804	7,320975	7,255427	7,390215	7,526918	7,286247	7,390853333	0,10460633	1,075200961	Lin37
17271776	5,895352	6,047109	5,822722	6,041506	6,068105	5,9694	5,9217277	6,026337	0,10460933	1,075203197	Cd300lf
17467382	3,361817	3,254649	3,498142	3,675792	3,404257	3,348424	3,371536	3,476157667	0,10462167	1,075212389	---
17537525	3,569172	3,364625	3,409068	3,907634	3,309126	3,439986	3,4476217	3,552248667	0,104627	1,075216364	---
17309528	4,852708	4,91092	4,828242	4,904376	5,011762	4,989681	4,8639567	4,968606333	0,10464967	1,075233257	Oxgr1
17402155	11,04679	11,08031	10,88846	10,95724	11,22748	11,14481	11,005187	11,10984333	0,10465667	1,075238474	Cnn3
17300860	9,100172	9,230398	9,079349	9,257675	9,295242	9,170987	9,1366397	9,241301333	0,10466167	1,075242201	Zmym2
17282420	8,126225	8,133183	8,14992	8,349798	8,243161	8,130418	8,1364427	8,241125667	0,104683	1,075258101	Zfyve1
17203583	5,380672	4,674835	5,029342	4,868721	5,291203	5,239097	5,028283	5,133007	0,104724	1,075288659	---
17219482	9,554311	9,850741	9,742626	9,833715	10,22654	9,401637	9,7158927	9,820630667	0,104738	1,075299094	---
17540666	6,140794	5,317904	4,653431	5,918425	4,939086	5,568835	5,3707097	5,475448667	0,104739	1,075299839	Slx
17383131	3,333067	3,463791	3,391419	3,441289	3,570506	3,490737	3,3960923	3,500844	0,10475167	1,07530928	Lcn4
17207851	4,411165	4,271002	4,567527	4,795521	4,199956	4,568472	4,4165647	4,521316333	0,10475167	1,07530928	---
17461519	8,110294	8,051446	8,23871	8,297602	8,072092	8,345028	8,1334833	8,238240667	0,10475733	1,075313504	Setd5
17296551	4,104176	3,887205	3,884719	4,022029	4,063179	4,105176	3,9587	4,063461333	0,10476133	1,075316485	B020031M17Rik // B020031M17Rik
17250509	2,791803	3,137333	2,815713	3,026704	3,126072	2,906405	2,9149497	3,019727	0,10477733	1,075328411	---
17287803	6,540883	6,358019	6,873884	6,747308	6,603355	6,736471	6,5909287	6,695711333	0,10478267	1,075332386	Slc25a48
17206341	6,385749	5,819674	6,726637	6,315097	6,4905	6,440882	6,3106867	6,415493	0,10480633	1,075350026	---
17292489	10,02785	10,0598	10,00839	10,02382	10,16019	10,22651	10,032013	10,13684	0,10482667	1,075365182	---
17202097	3,970369	4,113026	4,328189	4,157207	4,88634	3,682529	4,1371947	4,242025333	0,10483067	1,075368164	---
17356202	7,705084	7,931031	7,838046	7,910575	7,995885	7,882217	7,8247203	7,929559	0,10483867	1,075374127	Pold4
17448799	9,44644	9,282753	9,534346	9,687414	9,300021	9,590628	9,4211797	9,526021	0,10484133	1,075376115	---
17505413	7,200394	7,265224	7,359863	7,463054	7,479709	7,19728	7,2751603	7,380014333	0,104854	1,075385556	Zfp821
17550861	3,224723	3,017597	3,052669	3,200479	3,256787	3,152287	3,0983297	3,203184333	0,10485467	1,075386053	---
17477835	4,795176	4,940012	5,029904	4,960066	5,042463	5,077136	4,9216973	5,026555	0,10485767	1,07538829	Tulp2
17371320	3,791571	3,842792	3,533775	4,02707	3,799843	3,655867	3,7227127	3,827593333	0,10488067	1,075405434	4933409G03Rik
17365992	4,608041	4,65582	4,921742	4,939407	4,800626	4,760218	4,7285343	4,833417	0,10488267	1,075406925	Hspa12a
17466239	3,862612	3,717795	3,932914	4,033187	3,861909	3,932904	3,8377737	3,942666667	0,104893	1,075414627	Moxd2
17284544	2,709601	2,836791	2,836791	2,848308	3,053812	2,795755	2,7943943	2,899291667	0,10489733	1,075417858	---
17501314	5,357752	5,212827	5,144389	5,375473	5,405531	5,248665	5,2383227	5,343223	0,10490033	1,075420094	---
17334694	4,967378	4,954706	5,515162	5,052649	5,38769	5,311618	5,1457487	5,250652333	0,10490367	1,075422579	2810468N07Rik
17206877	5,459634	6,208251	5,638703	5,45348	6,835375	5,332513	5,7688627	5,873789333	0,10492667	1,075439724	---
17498510	4,946473	4,700562	4,966715	5,080929	5,056575	4,791043	4,87125	4,976182333	0,10493233	1,075443948	1810010D01Rik
17547986	5,48768	5,400899	5,296728	5,508378	5,561742	5,430067	5,3951023	5,500062333	0,10496	1,075464572	LOC100862021
17338741	6,198404	6,221477	6,124859	6,249436	6,339647	6,270627	6,18158	6,28657	0,10499	1,075486936	Mir7b
17201415	6,111015	6,606912	6,709386	6,352316	6,892574	6,497399	6,475771	6,580763	0,104992	1,075488427	---
17545530	3,203173	3,319353	2,956292	3,460201	3,269924	3,063707	3,159606	3,264610667	0,10500467	1,075497869	4930524N10Rik
17340017	9,138407	9,1178	8,91774	9,178591	9,059855	9,250535	9,0579823	9,162993667	0,10501133	1,075502839	Mta3
17224500	7,602442	7,712477	7,608801	7,771593	7,769651	7,69752	7,64124	7,746254667	0,10501467	1,075505324	Atg9a
17248123	5,048667	5,597985	5,630453	5,226636	5,653514	5,712071	5,4257017	5,530740333	0,10503867	1,075523216	---
17333769	3,897973	4,056406	3,985809	4,118948	4,194951	3,941483	3,9800627	4,085127333	0,10506467	1,075542599	Vmn2r95
17200823	5,634043	4,909972	5,10794	5,371118	4,998374	5,597671	5,2173183	5,322387667	0,10506933	1,075546078	---
17208389	6,059588	5,05544	5,556999	5,720939	5,610031	5,656349	5,5573423	5,662439667	0,10509733	1,075566953	---
17459530	9,987075	9,942791	10,00024	10,0689	10,08673	10,08978	9,976702	10,08180333	0,10510133	1,075569935	Immt
17377360	7,512865	7,779322	7,582458	7,78374	7,69629	7,709932	7,6248817	7,729987333	0,10510567	1,075573165	Gzf1
17452291	4,393953	5,00945	5,089931	4,677756	5,002245	5,128666	4,8311113	4,936222333	0,105111	1,075577141	---
17203063	6,449426	6,704994	6,540852	6,822906	6,416646	6,771069	6,5650907	6,670207	0,10511633	1,075581118	---
17200519	5,105275	4,807949	4,584632	4,888739	5,024771	4,899713	4,8326187	4,937741	0,10512233	1,075585591	---
17369120	7,204693	7,258985	7,21729	7,288826	7,342207	7,36534	7,2269893	7,332124333	0,105135	1,075595034	Endog
17288915	4,119195	3,84054	4,27736	4,243127	4,316686	3,992687	4,0790317	4,184166667	0,105135	1,075595034	---
17365200	6,028627	5,919976	5,521145	5,905694	6,220385	5,659082	5,8232493	5,928387	0,10513767	1,075597023	Poll
17408211	7,49434	7,653569	7,589007	7,720065	7,747782	7,58455	7,578972	7,684132333	0,10516033	1,075613922	Pde4dip

17471768	3,0805	2,975559	3,041782	3,164298	3,146757	3,102277	3,0326137	3,137777333	0,10516367	1,075616407	Klra10
17205511	6,611212	6,712575	7,262085	6,997169	6,837666	7,066542	6,8619573	6,967125667	0,10516833	1,075619886	---
17208695	5,157634	5,660866	4,870851	5,359536	5,615498	5,029842	5,2297837	5,334958667	0,105175	1,075624857	---
17205867	6,65968	7,166781	6,415308	7,010594	6,659396	6,887501	6,7472563	6,852497	0,10524067	1,075673817	---
17204951	3,008443	3,41912	3,127623	3,064951	3,236824	3,569164	3,185062	3,290313	0,105251	1,075681521	---
17202141	4,890884	4,252828	3,694432	4,039721	5,071432	4,042824	4,2793813	4,384659	0,10527767	1,075701404	---
17204929	3,636135	3,635155	3,990908	3,799822	4,035622	3,742598	3,754066	3,859347333	0,10528133	1,075704138	---
17545741	9,061319	9,039046	8,853535	9,025437	9,142633	9,101736	8,9846333	9,089935333	0,105302	1,075719548	Pdha1
17311441	4,595322	4,67504	4,67504	4,814785	4,638465	4,808111	4,6484673	4,753787	0,10531967	1,075732721	A930017M01Rik
17233930	4,58891	4,740465	4,751173	4,792603	4,705096	4,898827	4,693516	4,798842	0,105326	1,075737443	Ctnna3
17305194	4,838693	4,315522	4,222267	4,825211	4,766743	4,10051	4,4588273	4,564154667	0,10532733	1,075738437	---
17544517	8,093836	7,869311	7,795742	7,898034	8,1665	8,010438	7,9196297	8,024990667	0,105361	1,075763541	Gla
17392043	5,951588	5,932776	6,032911	5,938817	6,238492	6,056049	5,972425	6,077786	0,105361	1,075763541	---
17208761	3,810502	4,621572	4,59345	4,425918	4,688379	4,227337	4,3418413	4,447211333	0,10537	1,075770252	---
17379978	5,46205	5,324805	5,570152	5,490465	5,450669	5,732034	5,4523357	5,557722667	0,105387	1,075782928	Fam65c
17411575	5,857454	6,133447	6,061249	6,161043	6,278348	5,928948	6,0173833	6,122779667	0,10539633	1,075789888	Fam110b
17285789	3,440458	3,392146	3,156168	3,607254	3,367237	3,330471	3,3295907	3,434987333	0,10539667	1,075790137	Vmn1r215
17239435	7,052996	7,382085	6,907499	7,117585	7,336017	7,205171	7,1141933	7,219591	0,10539767	1,075790882	Gpr126
17384985	3,687352	3,905746	3,886642	3,944854	3,808769	4,042325	3,82658	3,931982667	0,10540267	1,075794611	---
17549152	3,940587	3,867745	4,28069	4,015026	4,473814	3,91639	4,029674	4,135076667	0,10540267	1,075794611	---
17301031	7,705181	7,728289	7,533798	7,842793	7,837335	7,603351	7,655756	7,761159667	0,10540367	1,075795356	Spata13
17203627	7,393428	7,564705	7,732291	7,612321	7,783441	7,610884	7,5634747	7,668882	0,10540733	1,075798091	---
17457047	4,684393	4,504699	4,530391	4,687477	4,52251	4,825727	4,573161	4,678571333	0,10541033	1,075800328	---
17433283	5,730027	5,811483	5,756407	5,878637	5,890009	5,845592	5,7659723	5,871412667	0,10544033	1,075822698	---
17338925	8,647253	8,655615	8,730354	8,777989	8,816977	8,754601	8,6777407	8,783189	0,10544833	1,075828664	Clpp
17281979	5,623447	5,57526	5,77521	5,511957	5,882541	5,895819	5,6579723	5,763439	0,10546667	1,075842335	Esr2
17370057	5,530739	5,229492	5,597878	5,678258	5,477314	5,518991	5,452703	5,558187667	0,10548467	1,075855758	---
17468882	4,115849	4,142213	4,202874	4,224597	4,210323	4,342565	4,1536453	4,25916167	0,10551633	1,075879373	Vmn1r45
17380278	7,358466	7,590534	7,58753	7,844446	7,49859	7,510077	7,5121767	7,617704333	0,10552767	1,075887825	Stx16
17510422	6,659749	6,496413	6,819491	6,564581	6,768419	6,959248	6,6585551	6,764082667	0,10553167	1,075890808	B3gnt3
17379037	7,440833	7,347944	7,146423	7,501885	7,397043	7,352883	7,3117333	7,417270333	0,105537	1,075894786	Plcg1
17409911	3,95721	3,861392	3,898273	3,955529	4,034137	4,043876	3,9056525	4,011180667	0,10555567	1,075908706	A730020M07Rik
17507673	5,488916	4,913765	5,198778	5,327652	5,180536	5,40996	5,1004863	5,306049333	0,105563	1,075914175	2610019F03Rik
17420462	5,971764	6,002995	6,450071	6,200019	6,311357	6,230167	6,14161	6,247181	0,105571	1,075920141	Kif17
17427309	4,987889	4,431057	4,609874	4,597367	4,803898	4,944283	4,6762733	4,781849333	0,105576	1,07592387	---
17357314	7,333209	7,571351	7,525184	7,566651	7,662734	7,517122	7,4765813	7,582169	0,10558767	1,075932571	Eml3
17415928	4,458944	4,838814	4,734529	4,77864	4,873866	4,696565	4,677429	4,783023667	0,10559467	1,075937792	---
17500624	4,333125	4,092254	4,162504	4,188103	4,323751	4,392845	4,195961	4,301566333	0,10560533	1,075945747	LOC621118
17203533	7,967126	7,41995	7,982929	8,01785	7,718898	7,950131	7,7900017	7,895626333	0,10562467	1,075960165	---
17210259	6,564486	6,689192	6,67138	6,771995	6,86088	6,609076	6,641686	6,747317	0,105631	1,075964889	---
17210281	6,564486	6,689192	6,67138	6,771995	6,86088	6,609076	6,641686	6,747317	0,105631	1,075964889	---
17201147	9,280517	9,598456	9,42558	9,371827	9,556481	9,693185	9,434851	9,540497667	0,10564667	1,075976573	---
17341994	9,977311	9,121159	9,679811	9,81435	9,47544	9,805511	9,5927603	9,698433667	0,10567333	1,075996461	---
17230638	6,246685	6,246685	6,189219	6,168736	6,341652	6,489255	6,2275297	6,333214333	0,10568467	1,076004914	Disp1
17542392	10,79878	10,86263	10,87108	10,8945	10,97289	10,98216	10,844163	10,94985	0,10568667	1,076006406	Idh3g
17301213	12,70838	12,60078	12,54335	12,61233	12,72147	12,83577	12,617503	12,72319	0,10568667	1,076006406	Ctsb
17209637	4,136615	3,675023	3,962585	4,253804	3,609247	4,228288	3,924741	4,030446333	0,10570533	1,076020328	---
17341803	5,129515	5,073825	5,309268	5,122904	5,362027	5,344858	5,1708693	5,276596333	0,105727	1,076036488	Abca17
17354764	5,770392	5,661251	5,899486	6,034468	5,696279	5,917591	5,777043	5,882779333	0,10573633	1,076043449	Arhgef37
17366201	8,583992	8,771975	8,474703	8,663205	8,761673	8,723002	8,6102233	8,71596	0,10573667	1,076043698	C130026I21Rik // C130026I21Rik
17299678	6,46951	6,418386	6,496558	6,656641	6,664726	6,38038	6,4614847	6,567249	0,10576433	1,076064334	Arhgef40
17527271	5,521928	5,358145	5,705203	5,608065	5,664453	5,630079	5,5284253	5,634199	0,10577367	1,076071295	Acsbg1
17408497	5,132199	5,436152	5,326596	5,368417	5,349576	5,494396	5,2983157	5,404129667	0,105814	1,076101379	Cd2
17236882	8,999735	9,333662	9,089334	9,360504	9,284681	9,095057	9,1409103	9,246747333	0,105837	1,076118535	Dusp6
17505762	6,181191	6,042695	6,220927	6,310575	6,418502	6,033305	6,148271	6,254127333	0,10585633	1,076132956	Zfp1
17544210	4,061934	4,355822	4,232191	4,292402	4,343379	4,331872	4,216649	4,322551	0,105902	1,07616702	---
17521625	9,617352	9,659736	9,759001	9,794466	9,846504	9,712862	9,6786963	9,784610667	0,10591433	1,07617622	Mst1
17282966	4,590988	4,666303	4,040489	4,5693	4,441373	4,604928	4,4325933	4,538533667	0,10594033	1,076195615	3200001D21Rik
17463020	7,973735	8,009001	7,91899	8,001721	8,087525	8,130322	7,967242	8,073189333	0,10594733	1,076200837	Ing4
17232244	8,024147	8,068649	8,001719	8,057907	8,206329	8,148122	8,031505	8,137452667	0,10594767	1,076201085	Med23
17328113	7,206758	6,948223	7,190969	7,344825	7,193558	7,125462	7,1153167	7,221281667	0,105965	1,076214015	Prm2
17291872	9,593453	9,445448	9,569249	9,67007	9,684603	9,571385	9,53605	9,642019333	0,10596933	1,076217248	---
17330337	4,103771	4,072125	4,421789	4,357697	4,183618	4,374345	4,1992283	4,30522	0,10599167	1,076233908	4932425I24Rik
17402483	2,93766	2,864231	2,889679	3,056554	2,907597	3,045398	2,89719	3,003183	0,105993	1,076234903	Mir367
17279835	10,12653	10,10146	10,34737	10,34715	10,2864	10,25992	10,191787	10,29782333	0,10603667	1,076267478	---
17356662	5,635658	5,774373	5,493997	5,668803	5,756152	5,797236	5,634676	5,740730333	0,10605433	1,076280658	Batf2
17402905	7,492299	7,483974	7,391582	7,620976	7,577033	7,488106	7,4559517	7,562038333	0,10608667	1,076304779	Manba
17351559	7,831698	7,713284	7,765007	7,809168	7,975283	7,843846	7,7699963	7,876099	0,10610267	1,076316716	D18Ertd653e
17325030	8,874275	8,856847	8,648927	8,902706	8,869377	8,926318	8,7933497	8,899467	0,10611733	1,076327658	Zfp148
17492016	4,790167	4,668236	4,558156	4,658427	4,97928	4,697343	4,6721863	4,77835	0,10616367	1,076362226	---
17511560	4,141714	4,078358	4,362846	4,433849	4,134507	4,333054	4,194306	4,30047	0,106164	1,076362475	---
17475127	8,977449	8,39348	8,269449	8,580858	8,475276	8,90277	8,5467927	8,652968	0,10617533	1,07637093	Cd79a
17201259	7,230935	7,072272	7,06587	6,861711	7,492902	7,333008	7,1230257	7,229207	0,10618133	1,076375407	---
17492041	6,050688	5,886503	6,132501	6,190105	6,229414	5,968757	6,0232307	6,129425333	0,10619467	1,076385355	Gm16157
17345865	6,707339	6,617163	6,953898	7,027766	6,802691	6,766558	6,7594667	6,865671667	0,106205	1,076393064	Rftn1
17544696	4,699821	4,624048	4,460194	4,475199	4,916701	4,710781	4,5946877	4,700893667	0,106206	1,07639381	Nxf3
17319423	6,035102	5,80381	5,838951	6,109879	5,910706	5,975986	5,892621	5,998857	0,106236	1,076416193	A430088P11Rik
17482857	5,565434	5,413432	5,433764	5,620419	5,507136	5,603965	5,4708767	5,577173333	0,10629667	1,076461459	Slc5a11
17336073	3,965964	4,120738	3,821039	4,176218	4,210745	3,839675	3,969247	4,075546	0,106299	1,0764632	Olfr239
17207133	4,931455	5,038169	4,667133	5,087363	5,487828	4,380633	4,878919	4,985274667	0,10635567	1,076505482	---
17378300	9,238135	9,292883	9,037914	9,270242	9,34454	9,273218	9,189644	9,296	0,106356	1,076505731	Itch
17255369	6,456555	6,739064	6,737896	6,819835	6,649655	6,783155	6,644505	6,750881667	0,10637667	1,076521152	---
17395707	6,747371	6,800271	6,973256	7,092727	6,851003	6,896305	6,8402993	6,946678333	0,106379	1,076522893	Nkain4
17236577	4,332463	4,390085	4,506607	4,494114	4,565817	4,488416	4,4097183	4,516115667	0,10639733	1,076536573	Ccdc38
17537787	4,76864	4,737044	4,553463	5,082033	4,525439	4,770908	4,6863823	4,792793333	0,106411	1,076546772	Gm5128
17537794	4,76864	4,737044	4,553463	5,082033	4,525439	4,770908	4,6863823	4,792793333	0,106411	1,076546772	Gm5128
17345664	5,720611	5,467115	5,810997	5,804736	5,647083	5,86621	5,666241	5,772676333	0,10643533	1,076564929	---
17328580	4,636767	4,010448	3,820132	4,054409	4,76541	3,966892	4,1557823	4,262237	0,10645467	1,076579356	---
17538486	4,95058	4,819458	4,130817	4,969234	4,552526	4,698465	4,6336183	4,740075	0,10645667	1,076580849	Gm15127
17342581	10,65067	10,32553	9,952353	10,41235	10,32718	10,50842	10,309518	10,41598333	0,10646567	1,076587565	Decr2
17447544	6,413304	6,731766	6,630975	6,680737	6,702179	6,712559	6,592015	6,698491667	0,10647667	1,076595773	Wfs1
17365106	5,415888	5,167967	5,51214	5,608912	5,392029	5,414622	5,3653317	5,471854333	0,10652267	1,076630101	Sec31b
17384659	7,986703	7,829797	7,485248	7,878403	7,831511	7,911478	7,7672493	7,873797333	0,106548	1,076649006	Dennd1a
17464157	4,724454	4,548863	4,540219	4,810195	4,744507	4,578481	4,604512	4,711061	0,106549	1,076649753	Gm7457
17214476	6,469528	6,704988	6,670285	6,629005	6,927694	6,607756	6,6149337	6,721485	0,10655133	1,076651494	Des
17472955	6,14548	6,098947	6,141046	6,095955	6,340591	6,26859	6,128491	6,235045333	0,10655433	1,076653733	Tmtc1
17269439	6,294611	6,213608	6,25147	6,584714	6,126469	6,368196	6,2532297	6,359793	0,10656333	1,076660449	Hap1
17548567	5,89095	5,84701	5,867746	6,008192	6,002016	5,915195	5,8685687	5,975134333	0,10656567	1,076662191	---
17264342	4,782783	4,850741	5,025698	4,960277	5,000631	5,01802	4,8864073	4,992976	0,10656867	1,07666443	Glp2r
17342807	4,071631	3,636675	3,926276	4,108205	3,784393	4,061706	3,878194	3,984768	0,106574	1,07666841	Anks1 // Anks1
17231767	4,397987	4,457404	4,167945	4,414559	4,714835	4,213703	4,341112	4,447699	0,106587	1,076678112	1700016L04Rik
17252183	6,995842	7,214891	7,349463	7,186752	7,759726	6,93355	7,186732	7,293342667	0,10661067	1,076695774	Eno3
17234889	3,896103	4,005939	3,928348	4,18512	4,077451	3,887691	3,9434633	4,050087333	0,106624	1,076705725	Vmn2r83
17544364	3,995339	3,906403	4,08423	4,118871	4,040156	4,146832	3,995324	4,101953	0,106629	1,076709457	---
17470417	8,173572	8,142553	8,146208	8,268958	8,233341	8,279922	8,154111	8,260740333	0,10662933	1,076709705	Ccdc77
17400066	6,328665	6,622338	6,58457	6,69811	6,450636	6,706757	6,5118577	6,618501	0,10664333	1,076720154	Lingo4
17211748	4,219307	4,199492	4,25469	4,195006	4,383809	4,414612	4,2244963	4,331142333	0,106646	1,076722144	Fam123c
17316270	3,250146	3,316779	3,272461	3,340574	3,643554	3,175263	3,2797953	3,386463667	0,10666833	1,076738812	---
17282021	6,04725	5,799211	6,134734	6,249861	5,86309	6,188378	5,9937317	6,100443	0,10671133	1,076770905	AI463170
17547638	4,72903	4,371241	4,430335	4,512609	4,621825	4,71648	4,510202	4,616971333	0,10676933	1,076814195	Gm19650
17350652	5,897652	5,644321	5,927497	5,897988	5,905288	5,986539	5,8231567	5,929938333	0,10678167	1,0768234	Gm19466
17293469	4,902903	4,507814	4,87179	4,870369	4,432541	5,299962	4,7608357	4,867624	0,10678833	1,076828376	---
17369368	5,40542	5,439617	5,295375	5,617829	5,416373	5,426626	5,3801373	5,486942667	0,10680533	1,076841065	Ncs1
17415035	5,677778	5,424167	5,227226	5,552566	5,45171	5,645415	5,443057	5,549897	0,10684	1,076866941	4930473A06Rik
17306230	8,148094	8,37915	8,101977	8,234449	8,461271	8,254034	8,2097403	8,316584667	0,10684433	1,076870176	Chd8
17355728	3,805278	4,359189	3,967724	4,304443	4,359476	3,788831	4,0440637	4,150916667	0,106853	1,076876645	Mir5127
17311942	5,827695	5,987666	5,350985	5,969119	5,746683	5,771156	5,7221153	5,828986	0,10687067	1,076889832	---
17284179	5,080627	5,370759	5,413977	5,576642	5,071529	5,53781	5,2884543	5,395327	0,10687267	1,076891325	A730018C14Rik
17509706	5,707716	5,488659	5,7964	5,538677	5,872507	5,902267	5,6642583	5,771150333	0,106892	1,076905756	Npy5r
17254933	8,377769	8,220984	8,250725	8,414081	8,371906	8,384222	8,2831593	8,390069667	0,10691033	1,076919441	Vezf1
17383148	6,50125	6,763494	6,426378	6,764861	6,553886	6,693114	6,5637073	6,670620333	0,10691	1,076921432	Surf6
17419037	9,74571	9,647198	10,10682	10,12684	9,744808	9,948833	9,8332427	9,940160333	0,10691767	1,076924915	---
17481776	8,468142	8,511611	8,48853	8,509847	8,714917	8,564307	8,4894277	8,596357	0,10692933	1,076933624	Ampd3
17241623	9,275181	9,4741	9,370676	9,440386	9,469675	9,530741	9,373319	9,480267333	0,10694833	1,076947807	Reep3
17349803	3,762813	3,292233	3,883443	3,734121	3,730452	3,79477	3,646163	3,753114333	0,10695133	1,076950047	---
17508224	4,461337	4,328916	4,479209	4,530421	4,499974	4,55998	4,423154	4,530125	0,106971	1,076964728	Adam3
17258640	3,199977	3,162869	3,629597	3,372299	3,305772	3,635306	3,3308143	3,437792333	0,106978	1,076969953	---
17491415	5,330712	5,20139	5,087585	5,904501	4,805154	5,231011	5,2065623	5,313555333	0,106993	1,076981151	---
17219455	11,84658	11,96374	11,94971	12,02307	12,03533	12,02262	11,92001	12,02700667	0,10699667	1,076983888	---
17204363	6,587388	6,55845	6,540484	6,705107	6,502742	6,799478	6,5621073	6,669109	0,10700167	1,07698762	---
17444364	10,29387	10,11478	10,03807	10,09972	10,39621	10,27181	10,148907	10,25591333	0,10700667	1,076991353	2810453I06Rik
17318780	7,454832	7,248655	7,452928	7,621979	7,291516	7,563979	7,3854717	7,492491333	0,10701967	1,077001058	Apol9a
17286499	4,913476	5,198418	4,904986	5,080365	5,089987	5,167685	5,0056267	5,112679	0,10705233	1,077025444	Psmg4
17517209	7,393077	7,285926	6,958865	7,153648	7,252322	7,553071	7,2126227	7,319680333	0,10705767	1,077029426	Pou2af1

17221347	11,64001	11,62253	11,56227	11,71828	11,73752	11,69021	11,60827	11,71533667	0,10706667	1,077036145	Tram1
17282216	9,376431	9,229084	9,28186	9,504656	9,254023	9,449945	9,2957917	9,402874667	0,107083	1,077048338	Zfp36l1
17468469	8,967648	9,170535	9,076064	9,280754	9,090217	9,164539	9,0714157	9,178503333	0,10708767	1,077051822	Dusp11
17329864	5,255769	5,287553	5,19493	5,492703	5,286946	5,279942	5,246084	5,353197	0,107113	1,077070735	Muc20
17488913	5,578197	5,864441	5,728993	5,92221	5,823611	5,747161	5,723877	5,830994	0,107117	1,077073721	Zfp74
17258708	7,058662	7,132285	7,330341	7,198335	7,435403	7,209	7,1737627	7,280912667	0,10715	1,077098359	2810008D09Rik
17413463	4,501097	4,960137	4,738108	5,096169	4,504603	4,920047	4,733114	4,840273	0,107159	1,077105078	5430416O09Rik
17550370	7,379955	7,303848	7,065251	7,41798	7,417377	7,2352	7,2496847	7,356852333	0,10716767	1,077111548	---
17380399	10,30997	10,51357	10,49102	10,6803	10,42245	10,53332	10,438187	10,54535667	0,10717	1,07711329	Etohi1 // Etohi1
17266861	6,703645	6,694716	6,994974	7,018621	6,720783	6,975447	6,7977783	6,904950333	0,107172	1,077114784	Slfn8
17389920	7,638977	7,815915	7,548621	7,717029	7,814718	7,793285	7,6678377	7,775010667	0,107173	1,07711553	Oip5
17318472	5,708134	5,677063	5,960734	5,974854	5,817422	5,875241	5,781977	5,889172333	0,10719533	1,077132204	Tssk5
17521485	5,927236	5,883281	6,152417	6,171003	6,132008	5,981615	5,9876447	6,094875333	0,10723067	1,077158585	Mst1r
17405965	3,853558	4,162181	4,163982	4,187103	4,088066	4,226274	4,059907	4,167147667	0,10724067	1,077166051	Wdr49
17301951	5,478931	5,411016	5,30721	5,381884	5,64251	5,494547	5,3990523	5,506313667	0,10726133	1,077181482	5031414D18Rik
17435380	6,826787	7,068878	7,141178	7,030481	7,09498	7,233169	7,012281	7,119543333	0,10726233	1,077182228	Agap3
17424215	6,011259	6,538517	6,334226	6,250499	6,329709	6,625627	6,2946673	6,401945	0,10727767	1,077193677	Dcaf12
17324787	5,236617	5,195724	5,168132	5,388379	5,378978	5,155	5,2001577	5,307452333	0,10729467	1,07720637	Tm4sf19
17269030	4,12949	3,917269	4,228843	4,27487	3,964233	4,35843	4,0918673	4,199177667	0,10731033	1,077218068	Krt26
17482912	7,356149	7,200416	7,361097	7,457911	7,260862	7,520845	7,3058873	7,413206	0,10731867	1,07722429	---
17283056	9,665297	9,788847	9,868089	9,864325	9,99182	9,788058	9,7740777	9,881401	0,10732333	1,077227775	Sel1l
17509829	7,181084	6,71373	6,123061	6,999179	6,670043	6,670636	6,672625	6,779952667	0,10732767	1,07723101	Gm15319
17228341	4,551733	4,211563	4,673301	4,500826	4,608457	4,649298	4,4788657	4,586193667	0,107328	1,077231259	Gm9530
17301615	8,35264	8,647732	8,484583	8,564622	8,75034	8,491999	8,494985	8,602320333	0,10733533	1,077236735	Entpd4
17203813	7,609515	7,738919	6,942708	7,576811	7,428071	7,608267	7,4303807	7,537716333	0,10733567	1,077236984	---
17458911	8,911118	8,971246	8,909956	9,031925	9,120824	8,961588	8,9307733	9,038112333	0,107339	1,077239473	Fkbp9
17238832	7,492242	7,757882	7,579234	7,861431	7,742115	7,54784	7,609786	7,717128667	0,10734267	1,07724211	Syne1
17310004	8,981617	9,133216	8,937987	9,153235	9,203197	9,018428	9,0176067	9,124953333	0,10734667	1,077245197	Rictor
17537212	3,140477	3,299686	3,258198	3,425914	3,131624	3,462865	3,232787	3,340134333	0,10734733	1,077245695	Cylc1
17479183	6,071981	6,224869	5,839282	6,175345	5,972587	6,310274	6,0453773	6,152735333	0,107358	1,07725366	Fam174b
17440037	4,5672	4,145481	4,714395	4,512828	4,605352	4,63099	4,475692	4,583056667	0,10736467	1,077258638	Lpcat2b
17515869	3,757458	3,755669	3,775792	3,859309	3,870936	3,88081	3,762973	3,870351667	0,10737867	1,07726902	---
17344472	6,069147	6,017432	6,190741	6,309748	6,111477	6,178233	6,09244	6,199819333	0,10737933	1,07726959	Atat1
17398825	4,899538	4,612789	4,910518	4,781356	5,016639	4,947017	4,807615	4,915004	0,107389	1,077276808	Insrr
17247650	6,867104	6,213194	6,575888	6,631095	6,681938	6,665366	6,552062	6,659466333	0,10740433	1,077288257	---
17315237	5,791955	5,620313	5,553467	5,671726	5,897992	5,718335	5,655245	5,762684333	0,10743933	1,077314393	Gm6042
17209927	7,008107	7,730379	7,553856	7,574198	7,506614	7,533893	7,4307807	7,538235	0,10745433	1,077325594	---
17492171	3,001133	2,806427	3,065551	3,024911	3,165664	3,004927	2,9577037	3,065167333	0,10746367	1,077332564	---
17202881	4,73141	4,543283	5,099747	4,000248	4,982725	5,713886	4,79148	4,898953	0,107473	1,077339533	---
17264021	7,604144	7,619372	7,643095	7,932356	7,622672	7,634027	7,6222037	7,729685	0,10748133	1,077345756	Cenpv
17291395	2,766293	2,977014	2,798204	2,581529	3,320544	2,961976	2,8471703	2,954683	0,10751267	1,077369155	---
17550018	2,766293	2,977014	2,798204	2,581529	3,320544	2,961976	2,8471703	2,954683	0,10751267	1,077369155	---
17548038	5,85873	5,635577	5,020526	5,650016	5,526331	5,66104	5,5049443	5,612462333	0,107518	1,077373138	Zfp161 // Zfp161
17262457	5,33858	4,995748	5,083132	5,115932	5,341091	5,282998	5,1391533	5,246673667	0,10752033	1,07737488	Prop1
17210313	6,053864	6,270707	7,050979	6,483336	6,69595	6,518854	6,4585167	6,566046667	0,10753	1,077382099	---
17351760	7,583879	7,581211	7,402799	7,71842	7,593961	7,578099	7,5226297	7,63016	0,10753033	1,077382348	Myo5b
17424384	4,708412	4,765268	4,892869	5,067057	5,042184	4,579906	4,7888497	4,896382333	0,10753267	1,077384091	---
17455578	6,222722	6,556225	6,498815	6,50455	6,430782	6,665057	6,4259207	6,533463	0,10754233	1,07739131	Stard13
17351627	4,824555	5,168992	5,263627	5,237587	5,130885	5,21134	5,0857247	5,193270667	0,107546	1,077394048	---
17269202	7,897327	7,559348	7,797371	7,957705	7,729347	7,889715	7,7513487	7,858922333	0,10757367	1,077414709	---
17290646	6,566299	6,427872	6,119774	6,4305	6,479965	6,526232	6,371315	6,478899	0,107584	1,077422426	Edaradd
17410514	4,54274	4,294917	4,41227	4,493742	4,713498	4,365621	4,4166423	4,524287	0,10764467	1,077467734	---
17503816	4,81746	5,358676	5,539036	5,674531	5,013263	5,350338	5,2383907	5,346044	0,10765333	1,077474207	Irx6
17282484	7,852407	7,971309	8,311998	7,92665	8,229066	8,30303	8,045238	8,152915333	0,10767733	1,077492131	---
17262551	6,599458	6,780603	6,694532	6,738096	6,938425	6,721105	6,691531	6,799208667	0,10767767	1,07749238	Phf15
17522651	8,08491	8,199127	8,029741	8,329144	8,175995	8,131682	8,1045927	8,212273667	0,107681	1,07749487	Clasp2
17228490	5,254121	5,078523	5,182339	5,26823	5,185746	5,384132	5,171661	5,279369333	0,10770833	1,077515284	Fam163a
17340756	9,472364	9,492112	9,415667	9,567656	9,496175	9,639498	9,4600477	9,567776333	0,10772867	1,077530471	Qk
17204745	4,413079	4,895404	4,726699	4,785551	4,989197	4,583672	4,678394	4,78614	0,107746	1,077543417	---
17451713	5,675784	5,714354	5,530881	5,705381	5,826558	5,71233	5,6403397	5,748089667	0,10775	1,077546404	Dynll1
17215650	7,567755	7,709833	7,567304	7,747208	7,798701	7,622239	7,614964	7,722716	0,107752	1,077547898	Lrrfip1
17265570	4,462689	4,434809	4,670088	4,546877	4,574007	4,769978	4,5225287	4,630287333	0,10775867	1,077552877	Pitpnm3
17232778	6,510448	5,902774	6,502581	6,276203	6,572057	6,390862	6,3052677	6,413040667	0,107773	1,077563583	9030224M15Rik
17489246	5,61517	5,199988	5,119236	5,680294	5,58268	4,994795	5,3114647	5,419256333	0,10779167	1,077577526	---
17540171	3,107758	3,535062	3,365399	3,894775	3,156178	3,280642	3,336073	3,443865	0,107792	1,077577774	---
17352110	3,600625	3,715161	3,768095	3,707992	3,999195	3,700158	3,694627	3,802448333	0,10782133	1,077599684	LOC100862614 // LOC100861819
17353202	4,306911	4,210738	4,58	4,610855	4,484663	4,325618	4,365883	4,473712	0,107829	1,077605411	---
17502364	4,545404	3,94112	3,865908	4,217674	4,227607	4,230676	4,1174773	4,225319	0,10784167	1,077614872	---
17489242	10,7261	10,60365	10,9479	10,79403	10,95645	10,85072	10,759217	10,86706667	0,10785	1,077621097	---
17548049	11,66066	11,38432	11,56549	11,69305	11,60436	11,63663	11,536823	11,64468	0,10785667	1,077626076	Gm19774
17242207	5,546658	5,648821	5,483141	5,877714	5,444008	5,680552	5,55954	5,667424667	0,10788467	1,077646991	Pcbp3
17478819	5,294345	5,148486	5,144253	5,292254	5,385652	5,233058	5,1956947	5,303654667	0,10796	1,077703264	E030018B13Rik
17484353	5,286221	5,337068	5,289122	5,34743	5,375267	5,51363	5,304137	5,412109	0,107972	1,077712228	Lrrc27
17231188	7,533434	7,68875	7,669347	7,703432	7,729071	7,782946	7,6305103	7,738483	0,10797267	1,077712726	Diexf
17200115	8,652396	7,624984	8,163668	8,606244	8,38578	7,772955	8,147016	8,254993	0,107977	1,077715964	---
17296200	4,597651	4,565605	4,908168	4,670734	4,826591	4,898048	4,6904747	4,798457667	0,107983	1,077720446	---
17523537	5,038175	4,653357	4,843401	5,040816	4,900632	4,917472	4,8449777	4,952973333	0,10799567	1,077729908	Tgm4
17248892	4,332551	5,007689	4,739265	4,920091	4,79757	4,685833	4,6931683	4,801164667	0,10799633	1,077730406	Snord96a
17329195	6,506878	6,861331	6,937483	6,851583	6,945605	6,832503	6,768564	6,876563667	0,10799967	1,077732896	Thpo
17484377	6,063759	6,070302	6,194	6,150084	6,43718	6,064831	6,1093537	6,217365	0,10801133	1,077741611	Pwwp2b
17207079	4,344293	4,407634	4,51245	5,069387	3,973138	4,545974	4,421459	4,529499667	0,10804067	1,077763525	---
17406827	4,356555	4,201391	4,279939	4,311042	4,500823	4,35018	4,279295	4,387348333	0,10805333	1,077772987	---
17542305	6,381653	5,874695	6,152704	6,157914	6,126468	6,448834	6,1363507	6,244405333	0,10805467	1,077773983	Xlr4c
17335626	3,839764	3,935567	3,974746	4,321208	3,909205	3,843832	3,9166923	4,024748333	0,108056	1,077774979	---
17466743	4,142908	4,015415	4,070354	4,148442	4,256114	4,148321	4,0762257	4,184292333	0,10806667	1,077782948	Npvf
17332342	9,121159	8,976733	8,944335	9,258617	9,00124	9,106639	9,0140757	9,122165333	0,10808967	1,077800131	---
17301414	4,978712	4,967331	4,999723	5,170198	5,092335	5,007513	4,981922	5,090015333	0,10809333	1,07780287	Scara5
17207975	4,676996	5,808741	5,09868	5,56416	5,283441	5,061106	5,1948057	5,302902333	0,10809667	1,07780536	---
17289685	5,600482	5,151077	5,416411	5,708736	5,355494	5,428056	5,3893233	5,497428667	0,10810533	1,077811835	AI197445
17456247	4,013221	4,106594	4,159972	4,258065	4,26857	4,077483	4,0932623	4,201372667	0,10811033	1,07781557	Cftr
17527694	6,170334	6,29303	6,430889	6,295495	6,511997	6,411136	6,2980843	6,406209333	0,108125	1,077826528	Loxl1
17341498	6,567827	6,419587	6,586901	6,630892	6,658591	6,609282	6,5247717	6,632921667	0,10815	1,077845205	Zfp13
17374190	4,256358	3,842274	4,033607	4,18748	4,296155	3,973076	4,0440797	4,152237	0,10815733	1,077850684	Olfr1287
17463338	5,156434	5,146173	5,060677	5,246962	5,005254	5,435541	5,1210947	5,229252333	0,10815767	1,077850933	Fgf23
17486489	5,303867	5,260156	5,487911	5,569655	5,698338	5,108431	5,3506447	5,458808	0,10816333	1,077855166	Zscan4d
17221655	4,393762	4,301672	4,186227	4,386873	4,208995	4,610337	4,293887	4,402068333	0,10818133	1,077868615	6720483E21Rik
17310257	3,189487	2,949977	3,003016	3,160459	3,142583	3,164008	3,0474933	3,155683333	0,10819	1,07787509	---
17201205	10,16135	10,21233	10,20533	10,30142	10,36451	10,23767	10,193003	10,3012	0,10819667	1,077880071	---
17434718	4,839064	4,826547	4,722352	5,10205	4,646314	4,964229	4,7959877	4,904197667	0,10821	1,077890032	Speer1-ps1 // Speer1-ps1
17493005	11,42308	11,37606	11,32167	11,46723	11,47957	11,49864	11,373603	11,48181333	0,10821	1,077890032	Fah
17301647	8,350201	8,595243	8,46759	8,584573	8,716223	8,436896	8,4710113	8,579230667	0,10821933	1,077897006	Entpd4
17396315	9,018269	9,169843	9,012074	9,154124	9,206164	9,164594	9,0667287	9,174960667	0,108232	1,077906469	Tbl1xr1
17349283	7,699673	7,687198	7,640181	7,824424	7,829781	7,697544	7,675684	7,783916333	0,10823233	1,077906718	Bin1
17354263	8,832465	8,810557	8,668302	8,825238	8,96833	8,842482	8,7704413	8,878683333	0,108242	1,077913941	Fem1c
17532450	6,221692	6,258354	6,273521	6,455456	6,256716	6,366166	6,251189	6,359446	0,108257	1,077925148	Zfp167
17204613	5,861496	6,256081	5,690784	6,732686	5,689059	5,711429	5,9361203	6,044391333	0,108271	1,077935609	---
17357502	7,5488	7,505776	7,474747	7,644753	7,488484	7,721006	7,5097743	7,618081	0,10830667	1,077962258	Cpsf7
17275042	5,26594	5,111632	5,369688	5,420712	5,308683	5,342833	5,2490867	5,357409333	0,10832267	1,077974213	Sostdc1
17298250	6,330369	6,18994	6,313311	6,231085	6,545648	6,381879	6,2778733	6,386204	0,10833067	1,077980191	Tmem110
17427814	7,867723	7,965549	7,876385	7,953071	8,119852	7,96176	7,903219	8,011561	0,108342	1,077988659	Ttc4
17201505	5,030852	4,994375	5,014551	5,299835	5,147808	4,917166	5,0132593	5,121603	0,10834367	1,077989904	---
17410455	6,723469	6,906579	6,579404	6,79092	6,743371	7,000208	6,736484	6,844833	0,108349	1,077993889	Gstcd
17281721	10,72465	10,48096	10,44294	10,45618	10,76358	10,75386	10,549517	10,65787333	0,10835667	1,077999618	Pygl
17228968	9,755171	9,828315	9,686653	9,900077	9,829758	9,86541	9,756713	9,865081667	0,10836867	1,078008584	Prrc2c
17215820	6,712857	6,910009	6,841208	6,834122	7,086164	6,868919	6,821358	6,929735	0,108377	1,078014811	Gpc1
17205507	4,55759	4,920755	5,02603	5,098912	4,588463	5,142174	4,8347917	4,943183	0,10839133	1,078025522	---
17372030	4,017274	3,930902	4,162338	4,121551	4,282509	4,03164	4,036838	4,145233333	0,10839533	1,07802851	---
17209885	4,53752	3,355295	4,574058	4,308562	4,595642	3,887863	4,1556243	4,264022333	0,108398	1,078030503	---
17468340	6,753704	6,583759	6,561435	6,696338	6,690994	6,836777	6,632966	6,741369667	0,10840367	1,078034737	Sfxn5
17221054	3,752779	3,541963	3,767169	4,016803	3,71071	3,659632	3,6873037	3,795715	0,10841133	1,078040466	---
17474842	3,672803	3,551545	3,746657	4,2027	3,59516	3,498382	3,6570017	3,765414	0,10841233	1,078041213	Vmn1r168
17331135	4,63127	4,825423	4,672371	4,935292	4,86127	4,657791	4,709688	4,818117667	0,10842967	1,078054166	Tmem30c
17204469	5,602214	5,676274	6,693946	6,483309	5,61998	6,194476	5,9908113	6,099255	0,10844367	1,078064627	---
17419965	8,28076	8,260256	8,124878	8,437108	8,321208	8,232929	8,2219647	8,330415	0,10845033	1,078069609	Fuca1
17202351	7,151186	6,781954	7,176455	7,495018	6,957961	6,982064	7,0365317	7,145014333	0,10848267	1,07809371	---
17549920	5,516742	5,637716	5,912457	5,775958	5,857559	5,758854	5,6889717	5,797457	0,10848533	1,078095763	---
17392709	4,939998	4,750445	4,933664	5,181996	4,954272	4,813372	4,8747023	4,983213333	0,108511	1,078114944	Vsx1
17534486	3,879154	3,536628	3,828608	3,853472	3,790217	3,926276	3,74813	3,856655	0,108525	1,078125406	Gm362
17300800	3,632071	3,91869	3,804107	3,840379	4,10961	3,730455	3,784956	3,893481333	0,10852533	1,078125655	---
17302475	5,185734	5,023828	5,223485	5,252414	5,156645	5,349667	5,144349	5,252908667	0,10855967	1,078151313	Irg1
17477116	9,951483	9,906838	9,987395	10,12979	10,06648	9,97514	9,948572	10,05713667	0,10856467	1,078155049	Etfb
17236787	7,675394	7,653379	7,772471	7,819718	7,839546	7,767739	7,7004147	7,809001	0,10858633	1,078171241	Btg1
17394205	3,948368	4,183661	4,283384	4,059933	4,541005	4,140259	4,138471	4,247065667	0,10859467	1,078177469	Spinlw1
17444372	8,363954	8,224029	8,475623	8,350925	8,653584	8,384939	8,3545353	8,463149333	0,108614	1,078191918	Cyth3

17545814	4,177717	4,185406	4,081073	4,222737	4,353056	4,194265	4,1480653	4,256686	0,10862067	1,0781969	---
17285644	5,548393	5,609923	5,164729	5,534218	5,891428	5,22331	5,441015	5,549652	0,108637	1,078209107	Zscan12
17319707	11,83658	11,82852	11,88547	11,98979	11,9282	11,95858	11,85019	11,95885667	0,10866667	1,078231279	Cyp2d26
17271842	7,315803	7,437473	7,418082	7,525338	7,499991	7,472039	7,3904527	7,499122667	0,10867	1,07823377	Fads6
17258623	5,03104	5,354406	5,464137	5,307465	5,387686	5,480488	5,2831943	5,391879667	0,10868533	1,07824523	1810032O08Rik
17378359	7,985184	7,857966	7,946179	8,256078	7,889922	7,969459	7,9297763	8,038486333	0,10871	1,078263665	Acss2
17317952	4,327194	4,289217	4,443279	4,558066	4,331383	4,496386	4,35323	4,461945	0,108715	1,078267402	1700016M24Rik
17203999	7,688101	7,445631	8,006199	7,695464	8,000252	7,770443	7,7133103	7,822053	0,10874267	1,07828808	---
17455576	3,105647	3,197108	3,389137	3,143214	3,456258	3,418746	3,2306307	3,339406	0,10877533	1,078312496	---
17447749	5,02368	4,984645	5,614688	5,316123	5,302486	5,330795	5,207671	5,316468	0,108797	1,078328691	Nkx3-2
17432835	8,306389	8,269444	8,194635	8,255132	8,361115	8,480656	8,2568227	8,365634333	0,10881167	1,078339653	Plod1
17266975	5,324394	5,263541	5,271034	5,714667	5,347265	5,123506	5,286323	5,395146	0,108823	1,078348124	---
17323759	8,398982	8,527911	8,41625	8,523291	8,541967	8,604368	8,4477143	8,556542	0,10882767	1,078351612	Ufd1l
17380388	5,202559	4,817299	4,948754	5,134155	5,01882	5,142133	4,9895373	5,098369333	0,108832	1,078354851	---
17202691	6,53141	6,465584	6,310894	6,695452	5,925359	7,013638	6,4359627	6,544816333	0,10885367	1,078371046	---
17246755	5,097425	5,206105	5,135167	5,276218	5,140912	5,348146	5,1462323	5,255092	0,10885967	1,078375531	Mir3060
17208185	3,967032	4,343464	3,892583	3,952999	4,300022	4,276645	4,067693	4,176555333	0,10886233	1,078377524	---
17413940	3,53464	3,256425	3,322586	3,549014	3,33001	3,561216	3,371217	3,48008	0,108863	1,078378023	---
17248691	7,780087	7,457704	7,234923	7,484239	7,49726	7,817902	7,4909047	7,599800333	0,10889567	1,078402441	Ebf1
17325109	9,014928	8,862113	8,991212	9,037425	9,182625	8,975007	8,9560843	9,065019	0,10893467	1,078431593	Itgb5
17211526	7,865774	8,0473	7,587241	7,981334	7,973283	7,872543	7,8334383	7,942386667	0,10894833	1,078441809	Gm5524
17334685	4,535597	4,753098	4,817104	4,933717	4,657006	4,841943	4,701933	4,810888667	0,10895567	1,078447291	Tekt4
17204125	5,817186	6,556973	5,874798	6,437344	6,011077	6,127414	6,0829857	6,191945	0,10895933	1,078450032	---
17494822	5,10948	4,742678	4,91562	5,044091	5,243405	4,80722	4,9225927	5,031572	0,10897933	1,078464983	Nlrp10
17376306	5,565792	5,313754	5,715211	5,733418	5,72702	5,461261	5,5315857	5,640566333	0,10898067	1,078465979	Tmem239
17467692	4,773522	4,727594	4,905016	4,882272	4,941935	4,90889	4,802044	4,911032333	0,10898833	1,07847171	---
17203609	5,836911	5,939486	5,673803	6,059844	5,417632	6,299705	5,8167333	5,925727	0,10899367	1,078475697	---
17319405	6,93844	7,327199	7,306228	7,36458	7,431597	7,102786	7,1906223	7,299654333	0,109032	1,078504353	Snord43
17543264	10,04727	10,05269	10,00637	10,12502	10,24126	10,06716	10,035443	10,14448	0,10903667	1,078507842	Maged1
17435867	8,668257	8,787342	8,843483	8,880733	8,968999	8,776496	8,7663607	8,875409333	0,10904867	1,078516813	Tmem214
17229070	4,117245	4,270761	4,159585	4,096374	4,52153	4,256858	4,1825303	4,291587333	0,109057	1,078523043	4921528O07Rik
17461942	7,110412	7,235502	6,919343	7,152948	7,248761	7,190808	7,088419	7,197505667	0,10908667	1,078545221	Pparg
17548634	4,503666	4,239838	4,160781	4,457326	4,492098	4,282197	4,3014283	4,410540333	0,109112	1,078566416	Gm7562 // Gm7562
17343807	7,211289	7,395827	7,340338	7,338695	7,478196	7,457918	7,315818	7,424936333	0,10911833	1,078568895	Gm15821
17217373	6,43364	6,150775	6,1741	6,296298	6,632024	6,157578	6,2528383	6,361966667	0,10912833	1,078576371	Fmod
17486436	4,206295	3,930029	3,910877	3,902059	4,341443	4,131117	4,0157337	4,124873	0,10913933	1,078584595	Nlrp4d
17352401	6,506789	6,522484	6,37476	6,540395	6,627954	6,563158	6,468011	6,577169	0,109158	1,07859855	Map3k8
17536292	4,282093	4,41958	4,354934	4,581354	4,44049	4,362251	4,3522023	4,461365	0,10916267	1,078602039	Zfx
17500439	3,151117	3,367953	3,374328	3,27319	3,506264	3,441561	3,2977993	3,407005	0,10920567	1,078634188	---
17402932	5,378062	5,201268	5,359088	5,356329	5,348636	5,561072	5,312806	5,422012333	0,10920633	1,078634686	---
17269042	4,944665	4,929967	4,978521	5,050227	5,18261	4,94796	4,951051	5,060265667	0,10921467	1,078640917	Krt27
17527471	5,373934	5,287582	5,002013	5,279645	5,354459	5,357079	5,2211763	5,330394333	0,109218	1,078643409	2700012I20Rik
17206687	5,61126	5,226779	6,041437	6,382945	5,332576	5,49162	5,626492	5,735713667	0,10922167	1,07864615	---
17460538	5,52717	5,291989	5,688151	5,76106	5,639466	5,434472	5,5024367	5,611666	0,10922933	1,078651882	Gkn2
17425181	7,681808	7,80996	7,730816	7,731508	7,820605	7,998192	7,7408613	7,850101667	0,10924033	1,078660107	Tex10
17305259	6,633621	6,344522	5,255286	6,389217	6,070182	6,101781	6,0778097	6,18706	0,10925033	1,078667584	---
17489490	3,728842	3,759582	3,543983	3,810421	3,546472	4,003271	3,677469	3,786721333	0,10925233	1,078669079	Abph
17492897	4,098484	4,217068	3,988518	4,403889	4,100965	4,127061	4,1013567	4,210638333	0,10928167	1,078691011	---
17236307	4,283349	4,353751	4,124265	4,237768	4,443254	4,408224	4,2537883	4,363082	0,10929367	1,078699983	Pmch
17530909	6,785856	6,785242	6,801306	6,837366	7,079309	6,783628	6,7908013	6,900101	0,10929967	1,078704469	Cyb561d2
17300032	3,838909	4,276477	4,304389	3,938302	4,425007	4,384373	4,139925	4,249227333	0,10930233	1,078706463	Trav12-2 // Trav12-2
17418092	3,303996	3,259423	3,526474	3,414365	3,520213	3,483222	3,3632977	3,4726	0,10930233	1,078706463	---
17515103	6,443308	5,978629	6,502848	6,416835	6,336192	6,499701	6,3082617	6,417576	0,10931433	1,078715436	Raver1-fdx1l // Raver1-fdx1l
17489441	8,599878	8,746589	8,990991	9,040159	8,754311	8,870946	8,7791527	8,888472	0,10931933	1,078719174	Hpn
17290199	3,651653	3,628231	3,717549	3,899641	3,958433	3,467324	3,665811	3,775132667	0,10932167	1,078720919	AF067061 // AF067061
17499808	8,094311	8,361941	7,330512	7,627402	8,265929	8,221435	7,9289213	8,038255333	0,109334	1,078730141	Defb1
17480813	11,56719	11,42998	11,51915	11,61554	11,6717	11,5571	11,50544	11,61478	0,10934	1,078734627	Stard10
17437302	6,204021	6,28873	5,886367	6,33098	6,159983	6,216186	6,1263727	6,235716333	0,10934367	1,078737369	Slit2
17221401	4,322495	3,908481	4,161804	4,21384	4,396657	4,11033	4,1309267	4,240275667	0,109349	1,078741357	Trpa1
17200439	6,000814	4,318625	4,55494	4,614814	5,274372	5,31332	4,9581263	5,067502	0,10937567	1,078761296	---
17227094	8,414759	8,35299	8,306106	8,585631	8,461067	8,355329	8,3579517	8,467342333	0,10939067	1,078772512	Adora1
17398655	8,449195	8,434086	8,407754	8,511791	8,549829	8,55762	8,430345	8,539746667	0,10940167	1,078780738	Lrba
17248984	4,818457	3,936189	4,100439	4,212524	4,527638	4,443148	4,2850283	4,394436667	0,10940833	1,078785723	Olfr1383
17472530	7,070804	7,644127	7,342434	7,540439	7,566962	7,278202	7,352455	7,461867667	0,10941267	1,078788963	Kcnj8
17367899	8,359939	8,330612	8,508889	8,229058	8,711939	8,586705	8,3998133	8,509234	0,10942067	1,078794945	---
17510582	9,435717	9,272618	9,422865	9,652884	9,414732	9,39201	9,3770667	9,486542	0,10947533	1,078835824	---
17243717	5,864907	6,014426	5,814069	5,926425	6,222109	5,873298	5,8978007	6,007277333	0,10947667	1,078836821	Syn3
17208981	3,754887	3,899488	3,957478	3,833187	4,281056	3,826112	3,8706177	3,980118333	0,10950067	1,078854768	---
17203529	4,281484	3,644667	4,198967	4,324691	3,779638	4,349302	4,041706	4,151210333	0,10950433	1,07885751	---
17235198	9,463663	9,490768	9,534939	9,579903	9,592657	9,645525	9,4964567	9,606028333	0,10957167	1,078907863	Atp5d
17288677	4,167923	4,120876	4,029991	4,186658	4,311586	4,149321	4,1062633	4,215855	0,10959167	1,07892282	Pcsk1
17310528	3,896285	3,536241	3,602446	3,76052	3,907458	3,695795	3,678324	3,787924333	0,10960033	1,078929302	---
17355732	5,03027	5,051983	5,035066	5,071253	5,137998	5,236882	5,0391063	5,148711	0,10960467	1,078932542	Galr1
17420827	5,568445	5,212503	5,161861	5,611367	5,365584	5,294678	5,3142697	5,423876333	0,10960667	1,078934038	A830025M08
17337866	3,83972	3,748995	3,757607	3,870542	3,80696	3,997652	3,7821073	3,891718	0,10961067	1,07893703	---
17394782	8,699165	8,763638	8,644543	8,840022	8,830508	8,765676	8,7024487	8,812068667	0,10962	1,07894401	Dpm1
17268084	4,215459	3,778606	4,130314	4,155856	4,41507	3,882375	4,0414597	4,151100333	0,10964067	1,078959466	AA623943
17349801	4,367594	4,290777	4,309483	4,451506	4,218522	4,62676	4,322618	4,432262667	0,10964467	1,078962457	---
17394995	4,010818	4,39091	4,206765	4,416157	4,305433	4,215839	4,202831	4,312476333	0,10964533	1,078962956	1700028P15Rik
17271600	6,849341	7,165265	7,082356	7,05091	7,144393	7,230628	7,0323207	7,141977	0,10965633	1,078971182	D11Wsu99e
17453140	4,465538	4,962446	4,941027	4,989107	4,776237	4,932643	4,7896703	4,899329	0,10965867	1,078972928	Phkg1
17509721	9,635969	9,533077	9,675646	9,616226	9,784559	9,772899	9,6148973	9,724561333	0,109664	1,078976916	Tufm // Tufm
17279165	11,32611	11,3583	11,2789	11,36308	11,43674	11,49251	11,321103	11,43077667	0,10967333	1,078983897	---
17526506	5,267925	5,3093	5,658164	5,506333	5,55624	5,501911	5,4117963	5,521494667	0,10969833	1,079002594	4833428L15Rik
17510626	7,141446	7,002431	7,028325	7,195124	7,329393	6,976782	7,0574007	7,167099667	0,109699	1,079003093	---
17292915	7,184168	7,262757	7,269017	7,378057	7,342456	7,324549	7,2386473	7,348354	0,10970667	1,079008827	Dok3
17201241	5,814138	4,948603	5,403666	6,023298	6,820457	3,651848	5,3888023	5,498534333	0,109732	1,079027774	---
17440325	4,593468	4,276414	4,259858	4,157217	4,937605	4,364145	4,37658	4,486322333	0,10974233	1,079035503	Gm10417
17203537	5,573308	4,897768	5,415767	6,259008	4,66935	5,287876	5,2956143	5,405411333	0,109797	1,07907639	---
17230636	5,856841	5,859183	5,840548	5,858758	6,05194	5,975275	5,8521907	5,961991	0,10980033	1,079078883	4922505E12Rik
17208449	2,920407	3,296905	3,607209	3,273524	3,472651	3,407776	3,2748403	3,384650333	0,10981	1,079086114	---
17276520	9,920827	9,920962	9,666539	9,9519	9,900972	9,984928	9,8361093	9,945933333	0,109824	1,079096585	Mthfd1
17431429	5,139646	5,258486	5,566089	5,372642	5,685751	5,235313	5,321407	5,431235333	0,10982833	1,079099826	A330049M08Rik
17326905	3,896567	3,815408	3,835011	3,840309	4,068593	3,967594	3,8489953	3,958832	0,10983667	1,07910606	---
17431955	6,577545	6,68568	6,388455	6,944021	6,553091	6,484084	6,55056	6,660398667	0,10983867	1,079107556	Arhgef10l
17403729	4,048965	3,869858	3,981301	3,993473	4,201635	4,034561	3,966708	4,076556333	0,10984833	1,079114786	---
17346231	6,678163	6,72768	6,56656	6,828263	6,730713	6,742972	6,6574677	6,767316	0,10984833	1,079114786	Ptprs
17457661	5,561645	5,700527	5,206008	5,403666	5,690185	5,703897	5,4893933	5,599249333	0,109856	1,079120521	---
17532277	5,590385	5,483104	5,606	5,598109	5,733488	5,677476	5,5598297	5,669691	0,10986133	1,07912451	---
17246451	5,522899	5,409775	5,539581	5,762146	5,498291	5,541451	5,4907517	5,600629333	0,10987767	1,079136727	Olfr819
17435834	5,308046	5,188437	5,619227	5,447788	5,559876	5,437728	5,3719033	5,481797333	0,109894	1,079148945	Dpysl5
17219362	9,95315	9,767331	9,67554	9,914938	9,997267	9,813522	9,7986737	9,908575667	0,109902	1,079154929	F11r
17323080	7,551764	8,114783	7,626975	8,303878	7,515591	7,803789	7,7645073	7,874419333	0,109912	1,079162409	---
17379128	9,60396	9,848245	9,813499	9,908163	9,858505	9,828881	9,7552347	9,865183	0,10994833	1,079189587	Srsf6
17421596	5,151718	4,722754	5,094005	5,094005	5,127342	5,076986	4,9894923	5,099444333	0,109952	1,07919233	---
17245874	4,814013	4,664862	5,024495	5,105766	4,946794	4,78067	4,8344567	4,94441	0,10995333	1,079193327	Gli1
17211294	4,393379	4,13179	4,226022	4,318987	4,210746	4,551394	4,250397	4,360375667	0,10997867	1,079212278	Gdap1
17345122	3,701012	3,697289	4,116987	4,259084	3,745325	3,840996	3,8384293	3,948468333	0,110039	1,079257411	---
17449437	3,392964	3,403006	3,399889	3,538053	3,567191	3,420763	3,3986197	3,508669	0,11004933	1,079265142	1700066N21Rik
17405581	3,696535	4,080832	4,156575	4,000985	4,08302	4,180107	3,9779807	4,088037333	0,11005667	1,079270628	---
17454659	4,88907	5,03957	5,034027	4,977448	5,277335	5,038104	4,9875557	5,097629	0,11007333	1,079283096	---
17408067	5,947627	5,634411	5,822837	5,839684	6,166965	5,728491	5,801625	5,911713333	0,11008833	1,079294318	Txnip
17381683	7,804379	7,873687	7,776045	7,968955	7,927923	7,887509	7,818037	7,928129	0,110092	1,079297061	Fbxo18
17541134	4,604036	4,614118	5,0166	4,953325	4,924309	4,68745	4,744918	4,855028	0,11011	1,079310527	4930525M21Rik
17200075	5,219291	6,401258	6,47964	6,429427	6,242054	5,759046	6,0333963	6,143509	0,11011267	1,079312522	---
17421600	7,954894	8,013283	7,97893	8,160271	8,152664	7,96451	7,982369	8,092481667	0,11011267	1,079312522	Mtor
17264647	8,586296	8,400345	8,588871	8,661844	8,612949	8,631186	8,5251707	8,635326333	0,11015567	1,079344691	Tmem88
17474211	4,264761	4,247346	4,46232	4,292351	4,583517	4,429029	4,324809	4,434965667	0,11015667	1,07934544	Gng8
17346516	3,399299	3,298751	3,426031	3,491334	3,432419	3,530846	3,3746937	3,484866333	0,11017267	1,07935741	Cd70
17201567	3,645643	3,585267	3,654673	3,825601	3,7343	3,656292	3,6285277	3,738731	0,11020333	1,079380354	---
17427312	7,55519	7,667654	7,329101	7,517366	7,444366	7,920842	7,517315	7,627524667	0,11020967	1,079385092	Jun
17283545	9,734575	10,20746	10,00447	10,05441	10,10296	10,11978	9,9821683	10,09238333	0,110215	1,079389082	---
17272770	8,042708	8,081853	8,021632	8,054636	8,239279	8,182959	8,048731	8,158958	0,110227	1,07939806	Timp2
17257048	3,4426	3,524807	4,414839	3,720496	4,255192	3,737249	3,794082	3,904312333	0,11023033	1,079400554	---
17517270	5,12715	4,849394	5,170213	5,279282	5,061215	5,137001	5,048919	5,159166	0,110247	1,079413024	LOC100048185
17240258	4,845095	5,227522	4,582995	5,113163	5,103021	4,770203	4,885204	4,995462333	0,11025833	1,079421504	---
17528863	5,246639	5,240098	5,389782	5,38022	5,562639	5,264443	5,292173	5,402434	0,110261	1,079423499	Tmod2
17209567	6,460201	7,300104	7,061305	6,858814	6,958305	7,335323	6,9405367	7,050814	0,11027733	1,07943572	---
17301176	7,69487	7,874779	7,64495	7,694584	7,94342	7,907454	7,7381997	7,848486	0,11028633	1,079442453	Wdfy2
17414507	4,943341	5,089242	5,398331	5,187119	5,398184	5,176482	5,143638	5,253928333	0,11029033	1,079445446	---
17290001	3,395885	3,278096	3,558076	3,447928	3,529128	3,585952	3,4106857	3,521002667	0,110317	1,079465399	Mir449c
17236604	5,778478	6,05882	5,684854	5,695391	6,098575	6,059186	5,8407173	5,951050667	0,11033333	1,07947762	Ntn4
17474315	5,154607	4,86094	5,121555	5,189459	5,023744	5,254908	5,0457007	5,156037	0,11033633	1,079479865	Ceacam11
17423523	4,248506	4,155455	3,897206	4,216608	4,243553	4,172096	4,100389	4,210752333	0,11036333	1,079500067	---

17203051	6,180095	5,426403	5,644943	5,797125	5,995934	5,789542	5,7504803	5,860867	0,11038667	1,079517527	---
17515400	9,734224	9,94291	9,801498	9,764292	9,96386	10,0817	9,8262107	9,936617333	0,11040667	1,079532492	Gm6581
17226618	7,638313	7,305931	7,521246	7,611894	7,64185	7,542967	7,4884967	7,598903667	0,110407	1,079532742	---
17301478	6,444322	6,570554	6,627071	6,475263	6,612576	6,885349	6,5473157	6,657729333	0,11041367	1,07953773	Trim35
17288521	6,215044	6,215432	6,211061	6,398796	6,310332	6,263668	6,2138457	6,324265333	0,11041967	1,07954222	Tert
17355873	5,706472	5,661438	5,539755	5,739671	5,702021	5,797236	5,6358883	5,746309333	0,110421	1,079543217	Socs6
17463790	2,911918	2,894224	3,05358	3,073868	3,224103	2,893014	2,9532407	3,063661667	0,110421	1,079543217	---
17364805	5,728762	6,267369	6,27667	6,356527	6,102445	6,14512	6,0909337	6,201364	0,11043033	1,079550201	Morn4
17277799	2,681219	2,897775	2,782017	2,813881	3,061469	2,816989	2,7870037	2,897446333	0,11044267	1,07955943	---
17246163	8,089077	8,202941	8,255563	8,215578	8,382684	8,280715	8,182527	8,292992333	0,11046533	1,079576392	Esyt1
17456379	4,680615	4,164362	4,469748	4,648594	5,193635	3,803894	4,4382417	4,548707667	0,110466	1,079576891	---
17510618	9,611372	9,616981	9,691753	9,781941	9,716148	9,753475	9,6400353	9,750521333	0,110486	1,079591857	---
17496713	6,78205	6,786678	6,627989	6,849677	6,851327	6,827198	6,732239	6,842734	0,110495	1,079598592	1700008J07Rik
17470291	4,558272	4,528083	4,648082	4,880748	4,684685	4,500506	4,5781457	4,688646333	0,11050067	1,079602832	Lrtm2
17257651	4,094625	4,089335	4,391095	4,21924	4,000247	4,687085	4,191685	4,302190667	0,11050567	1,079606574	---
17303849	6,446118	6,273569	6,544718	6,466431	6,675564	6,453941	6,4214683	6,531978667	0,11051033	1,079610066	Usp54
17220186	3,021079	2,820579	3,328289	3,188384	3,406698	2,906522	3,056649	3,167201333	0,11055233	1,079641496	---
17387305	5,461204	5,62843	5,178038	5,545248	5,595396	5,458707	5,4225573	5,5331117	0,11055967	1,079646984	Frzb
17370103	9,951091	10,03821	10,03047	10,10853	10,14347	10,09945	10,00659	10,11715	0,11055967	1,079646984	Hspa5
17262443	4,941526	5,191541	5,033124	5,036802	5,378839	5,082233	5,055397	5,165958	0,110561	1,079647982	Zfp354b
17456152	7,13963	6,998987	7,090986	7,249522	7,2749	7,036879	7,0765343	7,187100333	0,110566	1,079651724	Cav2
17388332	5,77689	5,775913	5,923435	6,072284	5,810163	5,925514	5,8254127	5,935987	0,11057433	1,07965796	Creb3l1
17498860	6,604097	6,458845	6,374474	6,622262	6,580112	6,56681	6,4791387	6,589728	0,11058933	1,079669186	Zfp958
17548765	3,47697	3,504847	3,586031	3,565438	3,781177	3,553031	3,522616	3,633215333	0,11059933	1,079676669	4930429F24Rik
17522626	5,581425	5,868567	5,426864	5,632488	5,800668	5,775504	5,6256187	5,73622	0,11060133	1,079678166	Dclk3
17291671	4,584147	4,685832	4,607744	4,789814	4,708463	4,711267	4,6259077	4,736514667	0,110607	1,07968247	---
17265026	5,824665	5,729815	5,873935	5,781428	5,834602	6,14434	5,8094717	5,920123333	0,11065167	1,079715835	Kctd11
17205765	2,884226	2,89869	3,036147	3,091457	2,894316	3,165266	2,9396877	3,050346333	0,11065867	1,079721074	---
17389635	6,30381	6,51377	6,591357	6,41134	6,757216	6,572441	6,4696457	6,580332333	0,11068667	1,079742029	2700033N17Rik
17537102	4,581044	4,367393	4,336766	4,595883	4,719273	4,302144	4,428401	4,5391	0,110699	1,07975126	Gm5127 // Gm5127
17389051	8,047882	8,200806	8,141365	8,076404	8,262741	8,383043	8,1300177	8,240729333	0,11071167	1,079767074	Elp4
17309929	3,759289	3,471429	3,551958	3,799843	3,769229	3,545784	3,5942253	3,704952	0,11072667	1,079771967	5430437J10Rik
17207339	4,926307	4,384078	4,267174	5,015415	4,290397	4,603933	4,525853	4,636581667	0,11072867	1,079773463	---
17261876	3,068763	2,893839	3,063614	3,180933	3,178871	2,998625	3,0087387	3,119476333	0,11073767	1,079780199	---
17514760	8,344311	8,413169	8,076101	8,43206	8,357873	8,375874	8,2778603	8,388602333	0,110742	1,079783443	Mre11a
17210845	5,615299	5,870131	6,10226	6,110917	5,9166	5,892577	5,8625633	5,973364667	0,11080133	1,079827852	---
17481171	5,022705	4,25282	4,529545	4,995121	4,632196	4,51027	4,60169	4,712529	0,110839	1,079856045	Olfr584
17209149	3,544453	3,611367	4,213572	3,82929	4,023919	3,848714	3,7897973	3,900641	0,11084367	1,079859538	---
17324664	9,40873	9,290837	9,249165	9,362357	9,371823	9,547257	9,316244	9,427145667	0,11090167	1,079902952	---
17257140	4,997277	5,22108	5,648551	5,347634	5,213633	5,638358	5,2889693	5,399875	0,11090567	1,079905946	Arhgap27
17272198	5,896496	5,833747	5,818593	5,990347	5,884566	6,00664	5,849612	5,960517667	0,11090567	1,079905946	Fbf1
17346451	4,128503	4,59865	4,446545	4,568244	4,535294	4,402896	4,3912327	4,502144667	0,110912	1,079910687	Slc25a41
17272939	4,040254	4,348876	4,248731	4,400097	4,277571	4,292967	4,2126203	4,323545	0,11092467	1,079920168	Chmp6 // Chmp6
17216303	8,1462	8,048801	7,818782	7,98781	8,196844	8,161926	8,0045943	8,115526667	0,11093233	1,079925907	2310035C23Rik
17487507	5,058115	5,035566	5,019126	4,996438	5,289524	5,159749	5,0376023	5,148570333	0,110968	1,079952605	---
17272913	6,142828	6,350191	6,281285	6,359653	6,38573	6,361986	6,2581013	6,369123	0,11102167	1,079992779	Sgsh
17407049	4,474699	4,32848	4,451014	4,473023	4,559021	4,555216	4,4180643	4,529086667	0,11102233	1,079993278	Dcst1
17485904	7,545934	7,100564	7,291357	7,270118	7,589066	7,411761	7,3126183	7,423648333	0,11103	1,079999018	Cox6b2
17547974	4,36568	4,356766	4,494371	4,760423	4,634115	4,15546	4,4056057	4,516666	0,11106033	1,080021725	Gm20328 // Gm20328
17267540	3,467991	3,349034	3,352816	3,677859	3,444121	3,381047	3,389947	3,501009	0,111062	1,080022973	Olfr464
17492114	8,439234	8,598354	8,466122	8,647258	8,639464	8,550255	8,5012367	8,612325667	0,111089	1,080043186	Chd2
17523852	7,49566	7,915224	7,719533	7,836027	7,838369	7,789324	7,710139	7,82124	0,111101	1,080052169	Birc2
17501191	7,714485	7,582905	7,856422	7,908992	7,718056	7,860096	7,7179373	7,829048	0,11111067	1,080059406	Gpm6a
17380185	10,30096	10,4737	10,30088	10,44997	10,42659	10,53233	10,358513	10,46963	0,11111667	1,080063898	Rae1
17462788	6,442113	6,395962	6,112383	6,404488	6,33898	6,540342	6,3168193	6,427936667	0,11111733	1,080064397	Clec4n
17425419	2,920239	2,81034	3,001161	3,130752	3,069476	2,864879	2,91058	3,021702333	0,11112233	1,08006814	---
17247647	6,034405	5,89113	5,741074	5,907382	6,169338	5,923267	5,8888697	5,999995667	0,111126	1,080070885	9130230N09Rik
17304768	6,019205	5,749399	6,122664	6,1301	6,025826	6,068796	5,963756	6,074907333	0,11115133	1,080089851	Colq
17269196	9,393079	9,073306	9,575321	9,547578	9,478218	9,349403	9,3472353	9,458399667	0,11116433	1,080099584	---
17497187	3,666786	3,592692	3,683529	3,77201	3,900966	3,603543	3,647669	3,758839667	0,11117067	1,080104326	4930404H21Rik
17462288	6,834532	6,687379	6,816723	6,905277	6,906954	6,859941	6,7795447	6,890724	0,11117933	1,080110814	3110021A11Rik
17475671	4,605238	4,437938	4,693179	4,567081	4,905075	4,597743	4,578785	4,689966333	0,11118133	1,080112311	Ttc9b
17286927	8,224764	8,183277	8,138304	8,27515	8,289846	8,314945	8,182115	8,293313667	0,11119867	1,080125289	Jarid2
17304406	8,366438	8,408014	8,309725	8,402195	8,577338	8,438252	8,3613923	8,472595	0,11120267	1,080128283	Prkcd
17546109	6,116211	6,070559	5,843337	6,022602	6,315193	6,025959	6,0100357	6,121251333	0,11121567	1,080138016	Tlr7
17349902	4,158764	3,923927	3,993266	4,091439	4,085997	4,232177	4,025319	4,136537667	0,11121867	1,080140262	Pcdhb11
17489738	7,372044	7,396893	7,255637	7,187724	7,535665	7,634878	7,3415247	7,452755667	0,111231	1,080149496	Gpatch1
17239597	6,750742	6,90314	6,624671	6,707695	6,97753	6,927042	6,7595177	6,870755667	0,111238	1,080154737	Tnfaip3
17438174	4,36353	4,447464	4,327915	4,547984	4,402265	4,52248	4,3796363	4,490909667	0,11127333	1,080181192	Usp46
17479354	9,834171	9,766905	9,676445	9,848659	9,863138	9,899575	9,7591737	9,870457333	0,11128367	1,080188929	Abhd2
17336157	6,790509	7,125301	6,945201	7,092424	7,108509	6,993974	6,9536703	7,064969	0,11129867	1,08020016	Pram1
17237665	5,383738	5,78519	5,446728	5,562377	5,887038	5,500144	5,538552	5,649853	0,111301	1,080201907	Llph
17460468	7,079169	6,854986	7,205666	7,143242	7,298039	7,032464	7,046607	7,157915	0,111308	1,080207148	Aak1
17468332	7,287949	7,211	7,552082	7,39782	7,538453	7,448708	7,3503437	7,461660333	0,11131667	1,080213637	Spr
17468450	6,518849	6,002587	6,420672	6,381701	6,438119	6,456263	6,314036	6,425361	0,111325	1,080219877	1700019G17Rik
17208335	4,900429	4,676032	4,949366	4,884616	5,017194	4,958033	4,8419423	4,953281	0,11133867	1,08023011	---
17333705	7,593045	7,763135	7,868137	7,870876	7,887023	7,800443	7,741439	7,852780667	0,11134167	1,080232356	Mir99b
17270715	4,210111	4,274455	4,51104	4,323459	4,514928	4,491296	4,3318687	4,443227667	0,111359	1,080245334	---
17270523	3,46861	3,615377	3,495842	3,554372	3,69526	3,664386	3,5266097	3,638006	0,11139633	1,080273289	---
17399104	11,68672	11,61826	11,73513	11,83963	11,80911	11,72559	11,680037	11,79144333	0,11140667	1,080281026	Ssr2
17396546	4,479168	4,491452	4,660651	4,662265	4,667171	4,636102	4,543757	4,655179333	0,11142233	1,080292758	---
17259232	5,648354	5,574222	5,684545	5,783893	5,89598	5,561553	5,635707	5,747142	0,111435	1,080302242	---
17281348	3,657466	4,29535	4,103277	3,969932	4,37289	4,047668	4,0186977	4,130163333	0,11146567	1,080325206	---
17400799	8,276735	8,348114	8,274761	8,387904	8,590356	8,255826	8,29987	8,411362	0,111492	1,080344925	Sec22b
17243693	3,875154	3,623351	3,59483	3,817491	3,88537	3,725028	3,6977783	3,809296333	0,111518	1,080364395	Bpifc
17455748	5,798293	5,638527	5,68475	6,112016	5,608106	5,736024	5,70719	5,818715333	0,11152533	1,080369887	Gm8579
17463530	6,562383	6,638413	6,416712	6,771636	6,54249	6,638006	6,5391693	6,650710667	0,11154133	1,080381869	Clec9a
17205823	6,533631	5,301497	6,410473	6,310821	6,289273	5,980151	6,081867	6,193415	0,111548	1,080386861	---
17548918	3,392296	3,542607	3,508976	3,595644	3,520384	3,662522	3,481293	3,59285	0,111557	1,080393601	Gm10555
17453607	4,045149	4,212416	4,542175	4,279014	4,284957	4,570483	4,26658	4,378151333	0,11157133	1,080404335	Ccl26
17286443	4,982593	4,87312	4,765179	5,125308	4,922896	4,907446	4,8736307	4,985216667	0,111586	1,080415318	---
17264585	4,345416	4,353584	4,308971	4,468441	4,469369	4,40495	4,3359903	4,447586667	0,11159633	1,080423057	Kcnab3
17238095	4,558531	4,499201	4,411719	4,513932	4,850637	4,439673	4,489817	4,601414	0,111597	1,080423556	Tmem194
17257992	4,849025	4,576847	4,332509	4,344877	4,855756	4,892626	4,586127	4,697753	0,111626	1,080445274	---
17268729	7,604948	7,438757	7,602933	7,695402	7,606852	7,679334	7,5488793	7,660529333	0,11165	1,080463248	Fbxl20
17357671	7,184829	7,611053	6,944072	7,217834	7,514689	7,342474	7,2466513	7,358332333	0,111681	1,080486465	Ms4a6c
17229795	5,806909	5,615791	5,906645	5,928103	5,742466	5,993936	5,7764483	5,888168333	0,11172	1,080515674	Vangl2
17535395	3,662546	3,732359	3,720316	3,903106	3,854274	3,693044	3,7050737	3,816808	0,11173433	1,080526409	Fate1
17347686	7,262289	7,510917	7,370205	7,493933	7,57693	7,407773	7,381137	7,492878667	0,11174167	1,080531901	Thada
17206695	4,754285	4,783823	4,550682	4,817744	4,791452	4,814838	4,6962633	4,808011333	0,111748	1,080536645	---
17373607	3,24737	3,308351	3,375682	3,438223	3,55451	3,273937	3,3104677	3,422223333	0,11175567	1,080542387	---
17375557	7,827167	7,902069	7,739781	7,875208	7,98176	7,947338	7,8230057	7,934768667	0,111763	1,08054788	Sema6d
17207169	4,607665	4,012644	4,607869	4,659548	4,895431	4,008493	4,4093927	4,521157333	0,11176467	1,080549128	---
17387880	3,602498	3,453527	3,290199	3,421288	3,593904	3,666332	3,4487413	3,560508	0,11176667	1,080550626	Olfr1216
17209783	5,140549	5,162935	5,69059	5,715462	5,356644	5,257339	5,331358	5,443148333	0,11179033	1,080568352	---
17207767	6,560245	6,180178	6,422056	6,423479	6,672518	6,401929	6,387493	6,499308667	0,11181567	1,080587326	---
17201507	4,194001	4,117104	3,990629	3,942153	4,339038	4,356074	4,100578	4,212421667	0,11184367	1,080608299	---
17262594	6,935581	6,913772	6,957429	7,296566	6,921618	6,924138	6,935594	7,047440667	0,11184667	1,080610546	Olfr1373
17496036	4,433843	4,764967	4,91684	4,859047	4,791127	4,801178	4,7052167	4,81717333	0,11190067	1,080650994	3100003L05Rik
17207297	4,547972	3,536992	4,161981	4,099721	3,997614	4,485326	4,082315	4,194220333	0,11190533	1,080654489	---
17524671	6,500598	6,290648	6,399434	6,460724	6,525699	6,539991	6,3968933	6,508804667	0,11191133	1,080658984	S1pr5
17348365	8,869841	9,142998	8,935175	9,06716	9,195221	9,021389	8,9826713	9,09459	0,11191867	1,080664477	Mib1
17271399	7,016829	6,816219	7,057853	7,041152	7,171599	7,014046	6,9636337	7,075599	0,11196533	1,080699433	Abca9
17397523	7,732923	7,880284	7,801388	7,871147	7,921827	7,957566	7,804865	7,916846667	0,11198167	1,080711669	2810046L04Rik
17410122	3,24601	3,204456	3,211613	3,243474	3,298853	3,455717	3,220693	3,332681333	0,11198833	1,080716663	---
17284507	7,490357	7,230983	6,722815	6,998366	7,257951	7,523875	7,1480517	7,260064	0,11201233	1,080734641	Ighg // Ighg
17200135	5,888344	4,885548	5,484102	5,086267	6,258716	5,24905	5,4193313	5,531344333	0,112013	1,08073514	---
17409986	5,470139	5,542666	5,497916	5,564003	5,553135	5,729627	5,5035737	5,615588333	0,11201467	1,080736389	4933405D12Rik
17205967	6,636568	6,987948	6,585799	6,688252	6,703815	7,15431	6,7367717	6,848792333	0,11202067	1,080740884	---
17263011	4,574934	4,260421	4,486264	4,623566	4,465569	4,568565	4,4405397	4,552566667	0,112027	1,080745628	Glra1
17204013	2,938432	3,499519	3,673563	4,219558	3,115786	3,112262	3,3705047	3,482535333	0,11203067	1,080748375	---
17491640	3,206066	3,187083	3,047794	3,453525	3,331482	2,992136	3,146981	3,259047667	0,11206667	1,080775343	---
17538171	6,751681	6,997579	6,585943	6,787231	6,940251	6,944125	6,778401	6,890535667	0,11213467	1,080826286	Mid2
17329243	4,896999	4,537491	4,648879	4,754035	4,977403	4,688345	4,6944563	4,806594333	0,112138	1,080828783	Liph
17443133	7,344446	7,328208	7,386355	7,530588	7,38096	7,483884	7,353003	7,465144	0,112141	1,080831031	Wbscr27
17201385	3,393825	2,84579	3,12602	3,49365	3,032669	3,175837	3,1218783	3,234052	0,11217367	1,080855504	---
17483190	5,433711	5,470761	5,591229	5,482334	5,664294	5,685596	5,498567	5,610741333	0,11217433	1,080856003	Sez6l2
17200477	7,464427	7,180757	6,985843	7,622126	7,184739	7,160698	7,2103423	7,322521	0,11217867	1,08085925	---
17495988	7,746436	7,749888	7,72608	7,937157	7,748771	7,873013	7,7408013	7,852980333	0,112179	1,0808595	Arhgap17
17479450	5,204557	5,438925	5,438925	5,244253	5,721255	5,453573	5,3608023	5,473027	0,11222467	1,080893713	Kif7 // Kif7
17510906	11,20684	11,20947	11,19196	11,4082	11,19931	11,33758	11,202757	11,31503	0,11227333	1,080930176	Tecr
17297703	4,250018	4,4221	4,303879	4,196456	4,625233	4,491157	4,3253323	4,437615333	0,112283	1,080937419	4930428N03Rik
17366244	6,17024	6,185388	6,427991	5,846288	6,806767	6,467456	6,2612063	6,373503667	0,11229733	1,080948158	LOC100041057
17461238	2,732927	3,165057	3,100523	2,995579	3,191859	3,14806	2,9995023	3,111832667	0,11233033	1,080972884	---

17332860	5,693528	5,959861	5,870371	6,057017	6,022233	5,781504	5,8412533	5,953584667	0,11233133	1,080973633	Tulp4
17238866	7,099518	7,626394	7,387187	7,680839	7,555682	7,213612	7,371033	7,483377667	0,11234467	1,080983623	Syne1
17211232	5,809416	5,646738	6,079026	5,870575	5,875145	6,126501	5,84506	5,957407	0,112347	1,080985372	Msc
17214998	8,756596	8,584287	8,651417	8,732008	8,863202	8,734135	8,6641	8,776448333	0,11234833	1,080986371	Itm2c
17357107	5,134257	5,385853	5,158081	5,303392	5,354481	5,357447	5,2260637	5,33844	0,11237633	1,081007351	Slc22a6
17392892	3,952585	3,826365	3,663797	3,644259	4,308706	3,826928	3,814249	3,926631	0,112382	1,081011597	Mir1953
17476478	5,687835	5,860921	5,694918	5,908494	5,892304	5,780025	5,7478913	5,860274333	0,112383	1,081012346	U2af1l4
17200465	5,801897	5,485826	5,707545	5,696509	5,938692	5,697226	5,6650893	5,777475667	0,11238633	1,081014844	---
17268641	7,273425	7,235425	7,484493	7,585127	7,547126	7,19825	7,3311143	7,443501	0,11238667	1,081015094	---
17202031	5,519017	4,915883	5,500093	5,340276	5,393993	5,537915	5,3116643	5,424061333	0,112397	1,081022836	---
17214232	3,607317	3,800783	4,014032	4,078464	3,84674	3,834131	3,8073773	3,919778333	0,112401	1,081025834	Mir26b
17327364	6,595009	6,631923	6,780697	6,947912	6,852388	6,54454	6,6692097	6,781613333	0,11240367	1,081027832	Ripply3
17490848	9,891821	9,811104	9,638007	9,975136	9,58375	10,11929	9,7803107	9,892725333	0,11241467	1,081036074	Dhdh // Dhdh
17442328	6,794369	6,514817	6,601383	7,031057	6,464007	6,75282	6,6368563	6,749294667	0,11243833	1,081053808	---
17218707	3,638271	3,460726	3,517002	3,608854	3,778334	3,566178	3,5386663	3,651122	0,11245567	1,081066797	Tnfsf18
17467288	2,907136	2,881223	2,831647	2,890164	2,969779	3,097475	2,8733353	2,985806	0,11247067	1,081078037	---
17446499	5,855982	5,843921	5,576788	5,961614	5,85346	5,799033	5,758897	5,871369	0,112472	1,081079036	5031410I06Rik
17542588	8,918145	9,211453	9,043725	9,207068	9,231078	9,072722	9,0577743	9,170289333	0,112515	1,081111258	Flna
17302590	3,59371	3,523551	3,761796	3,670634	3,925845	3,620214	3,6263523	3,738897667	0,11254533	1,081133989	---
17252113	7,655927	7,477089	7,77318	7,813397	7,748984	7,68147	7,6353987	7,747950333	0,11255167	1,081138736	Mink1
17395978	4,496529	4,493226	4,181031	4,533934	4,339828	4,634778	4,390262	4,502846667	0,11258467	1,081163466	---
17306172	6,892357	7,050038	7,099434	7,080421	7,100228	7,199002	7,013943	7,126550333	0,11260733	1,081180452	Zfp219
17484108	4,55492	4,494298	4,752241	4,523135	4,97183	4,644333	4,6004863	4,713099333	0,112613	1,081184699	4930483O08Rik // 4930483O08Rik
17396886	4,559496	4,836425	4,935966	4,88326	5,069679	4,716825	4,7772957	4,889921333	0,11262567	1,081194192	LOC100861998
17291481	3,652874	3,445115	3,595059	3,838151	3,711911	3,480864	3,5643493	3,676975333	0,112626	1,081194441	Prl7a2
17309897	3,353267	3,07439	3,193921	3,306744	3,430821	3,221919	3,2071927	3,319828	0,11263533	1,081201436	---
17279980	4,653221	5,25109	4,99196	5,089773	5,418957	4,725449	4,9654237	5,078059667	0,112636	1,081201936	Vsnl1
17251370	7,4669	7,573641	7,422473	7,589748	7,65338	7,557817	7,4876713	7,600315	0,11264367	1,081207681	Myh10
17378802	4,92381	4,956063	4,979548	5,040574	5,113673	5,043121	4,9531403	5,065789333	0,112649	1,081211678	1700060C20Rik
17360873	6,057084	5,986479	5,988472	6,204593	5,839727	6,325723	6,0106783	6,123347667	0,11266933	1,081226917	Nanos1
17295038	8,503694	8,623322	8,511893	8,533679	8,82359	8,619712	8,546303	8,658993667	0,11269067	1,081242906	Scamp1
17326996	5,013138	4,99848	5,223115	5,009185	5,342266	5,221383	5,0782443	5,190944667	0,11270033	1,08125015	4931408A02Rik
17352884	10,18298	10,17927	10,0575	10,21552	10,27612	10,26628	10,139917	10,25264	0,11272333	1,081267388	Cdh2
17347267	7,040714	7,234412	7,21799	7,05513	7,360736	7,415479	7,164372	7,277115	0,112743	1,081282128	Fez2
17329749	7,664017	7,699434	7,661564	7,761696	7,824938	7,776643	7,675005	7,787759	0,112754	1,081290372	Ppp1r2
17420171	7,489644	7,609858	7,426339	7,598598	7,709214	7,556383	7,5086137	7,621398333	0,11278467	1,081313357	Hspg2
17236265	3,473042	3,61666	3,731671	3,753349	3,720299	3,686086	3,6071243	3,719911333	0,112787	1,081315106	---
17509189	7,71526	8,089169	7,739791	7,976384	7,907166	7,999032	7,8480733	7,960860667	0,11278733	1,081315356	Ccdc111
17255260	8,40987	8,7337	8,578265	8,72086	8,714892	8,624494	8,573945	8,686748667	0,11280367	1,081327598	Col1a1
17392446	4,05039	3,847784	4,264529	4,197153	4,054309	4,249658	4,0542343	4,16704	0,11280567	1,081329097	---
17322359	7,406937	7,181203	7,042877	7,125865	7,363113	7,480461	7,210339	7,323146333	0,11280733	1,081330346	Zfp385a
17451886	7,972113	8,028452	8,121019	8,06641	8,329978	8,063734	8,040528	8,153374	0,112846	1,081359328	Fbxw8
17396186	4,571469	4,910315	4,532091	4,804317	4,878475	4,669698	4,6712917	4,784163333	0,11287167	1,081378566	2610100L16Rik
17345880	4,355964	4,468495	4,309969	4,427691	4,611556	4,43383	4,3781427	4,491025667	0,112883	1,081387061	Dazl
17209989	6,620207	5,989005	6,629971	6,93594	6,877694	5,764211	6,413061	6,525948333	0,11288733	1,081390309	---
17294959	5,653629	5,392598	5,726629	5,65914	5,884808	5,567604	5,590952	5,703850667	0,11289867	1,081398805	Cmya5
17302700	4,996921	4,819166	4,99585	5,109858	5,115269	4,925529	4,9373123	5,050218667	0,11290633	1,081404551	1700044C05Rik // 1700044C05Rik
17418116	4,961945	5,387417	5,046089	5,032597	5,430087	5,271497	5,131817	5,244727	0,11291	1,0814073	4933421A08Rik
17449639	9,60125	9,796613	9,584333	9,716887	9,722582	9,881484	9,660732	9,773651	0,112919	1,081414046	---
17244949	8,192133	8,132813	8,145334	8,253706	8,424633	8,130698	8,15676	8,269679	0,112919	1,081414046	Krr1
17494686	3,404583	3,270892	3,513328	3,372462	3,712284	3,442817	3,3962677	3,509187667	0,11292	1,081414795	Olfr694
17452601	4,666264	4,342625	4,756375	4,653309	4,653309	4,797411	4,5884213	4,701343	0,11292167	1,081416045	---
17422476	6,547215	6,655727	6,624647	6,508018	6,959348	6,699036	6,6091963	6,722134	0,11293767	1,081428038	Pex10
17257647	4,851397	4,658606	4,709807	5,117377	4,703478	4,737902	4,7399367	4,852919	0,11298233	1,08146152	Nol11
17548311	5,116214	4,943032	5,016192	5,321221	4,723951	5,369219	5,025146	5,138130333	0,11298433	1,081463019	Gm3579 // Gm3579
17548313	5,116214	4,943032	5,016192	5,321221	4,723951	5,369219	5,025146	5,138130333	0,11298433	1,081463019	Gm3579 // Gm3579
17548642	5,116214	4,943032	5,016192	5,321221	4,723951	5,369219	5,025146	5,138130333	0,11298433	1,081463019	Gm3579 // Gm3579
17548644	5,116214	4,943032	5,016192	5,321221	4,723951	5,369219	5,025146	5,138130333	0,11298433	1,081463019	Gm3579 // Gm3579
17329433	6,140944	6,250074	6,121511	6,510898	6,215842	6,124773	6,170843	6,283837667	0,11299467	1,081470766	Bcl6
17252009	4,464622	4,313533	4,3918	4,532328	4,360854	4,615793	4,389985	4,502991667	0,11300667	1,081479761	Mir497
17549604	3,297927	3,133157	3,166432	3,229112	3,327241	3,380284	3,199172	3,312212333	0,11304033	1,081504999	---
17467363	3,667729	3,62864	3,407812	3,664202	3,884735	3,494435	3,5680603	3,681124	0,11306367	1,08152249	4930515G16Rik
17339961	3,609988	3,547068	3,623845	3,60429	3,839872	3,676124	3,5936337	3,706762	0,11312833	1,081570969	C230072F16Rik
17463493	3,274873	3,158692	3,368508	3,614288	3,158692	3,368508	3,2673577	3,380496	0,11313833	1,081578466	Klrb1-ps1
17293933	5,503294	5,607119	5,685095	5,5307	6,032583	5,571664	5,5985027	5,711649	0,11314633	1,081584464	Zfp595 // Zfp595
17522458	3,690713	3,493595	3,633658	3,724718	3,7978	3,634898	3,6059887	3,719138667	0,11315	1,081587213	Prss44
17238928	8,403605	8,388399	8,503927	8,65818	8,508521	8,468684	8,431977	8,545128333	0,11315133	1,081588212	Syne1
17533906	4,985424	4,372294	4,153466	4,972201	4,459282	4,419178	4,503728	4,616887	0,113159	1,08159396	E330010L02Rik
17530653	9,230406	9,057236	9,076055	9,05342	9,415404	9,234366	9,1212323	9,234396667	0,11316433	1,081597958	Alas1
17487519	3,14842	2,922445	3,091303	3,35881	3,170933	2,971955	3,054056	3,167232667	0,11317667	1,081607205	Gm4557 // Gm5890
17219997	5,801353	5,704535	5,863411	5,936842	5,984916	5,78708	5,7897663	5,902946	0,11317967	1,081609454	Kif26b
17415328	6,258822	6,128344	6,239321	6,363908	6,307899	6,29425	6,208829	6,322019	0,11319	1,081617201	Gm13288 // Gm13288
17315163	4,471932	4,527319	4,777481	4,612172	4,768625	4,735509	4,592244	4,705435333	0,11319133	1,081618201	A330009N23Rik // A330009N23Rik
17386396	9,438902	9,425944	9,130468	9,302812	9,42342	9,608739	9,3317713	9,444990333	0,113219	1,081638943	Slc25a12
17292215	7,095881	7,047852	7,188118	7,131224	7,421122	7,119167	7,110617	7,223837667	0,11322067	1,081640193	Kif13a
17412202	4,144676	3,988024	4,165677	4,451666	4,287675	3,898808	4,099459	4,212716333	0,11325733	1,081667683	6230409E13Rik
17325144	7,041269	7,185486	7,201064	7,298098	7,347232	7,122306	7,1426063	7,255878667	0,11327233	1,08167893	Ccdc14
17241257	6,337203	6,309124	6,45392	6,414798	6,524396	6,500941	6,366749	6,480045	0,113296	1,081696674	Col13a1
17326495	5,029584	5,107501	5,10311	5,23342	5,224652	5,122017	5,080065	5,193363	0,113298	1,081698174	---
17503884	5,736159	5,734977	5,995113	5,738431	5,974602	6,093111	5,822083	5,935381333	0,11329833	1,081698424	Gnao1
17367190	5,173653	4,887471	4,730113	4,842052	5,109659	5,179508	4,9304123	5,043739667	0,11332733	1,081720167	Gm13315
17225582	4,292774	4,321651	4,106865	4,377397	4,480365	4,203547	4,24043	4,353769667	0,11333967	1,081729415	Olfr1414
17390530	4,444466	4,376626	4,483168	4,596882	4,48406	4,563379	4,4347533	4,548107	0,11335367	1,081739912	Strc
17436957	6,304203	6,181182	6,344173	6,378768	6,493943	6,296951	6,2765193	6,389887333	0,113368	1,081750659	Jakmip1
17400592	8,653845	8,498589	8,491628	8,426942	8,803629	8,753613	8,5480207	8,661394667	0,113374	1,081755158	Hfe2
17402165	5,10602	4,821141	5,165122	5,163136	5,117805	5,151488	5,030761	5,144143	0,113382	1,081761157	A530020G20Rik
17319124	6,27001	6,099626	6,062843	6,267048	6,250232	6,255347	6,1441597	6,257542333	0,11338267	1,081761657	1700088E04Rik
17547505	4,876206	5,187459	5,341677	5,12043	5,314803	5,310385	5,135114	5,248539333	0,11342533	1,081793649	Col6a1 // Col6a1
17261031	6,486294	6,492962	6,147349	6,410665	6,629673	6,426635	6,375535	6,488991	0,113456	1,081816645	---
17205099	4,0151	4,108783	5,066267	4,713865	4,462811	4,353863	4,3967167	4,510179667	0,113463	1,081821894	---
17209289	4,0151	4,108783	5,066267	4,713865	4,462811	4,353863	4,3967167	4,510179667	0,113463	1,081821894	---
17491396	5,017376	4,872747	5,218749	5,144908	5,212951	5,091422	5,0362907	5,149760333	0,11346967	1,081826893	Dbx1
17207685	4,509518	3,400647	3,910541	3,620027	4,080921	4,460218	3,9402353	4,053722	0,11348667	1,081839641	---
17366031	5,471795	5,350111	5,414494	5,616543	5,578776	5,381589	5,4121333	5,525636	0,11350267	1,081851639	Vax1
17535480	5,787219	5,882974	6,224714	6,166057	6,09676	5,972725	5,964969	6,078514	0,113545	1,081883384	DXBay18
17452038	6,127481	6,009616	6,354353	6,304203	6,242054	6,285835	6,1638167	6,277364	0,11354733	1,081885134	Dtx1
17379337	5,0147	4,880096	5,231672	5,014128	5,136963	5,316019	5,042156	5,155703333	0,11354733	1,081885134	Pabpc1l
17312200	4,948511	4,598397	4,260343	4,659243	4,540346	4,948309	4,602417	4,715966	0,113549	1,081886384	Hemt1
17270703	4,520388	4,584703	4,589243	4,680626	4,759248	4,59512	4,564778	4,678331333	0,11355333	1,081889633	Cyb561
17278261	4,911059	4,97185	5,085707	4,818317	5,008284	5,482683	4,9895387	5,103094667	0,113556	1,081891633	Serpina3b
17296905	5,901491	5,619756	5,516297	6,071777	5,542135	5,76433	5,6791813	5,792747333	0,113566	1,081899132	Gm10408
17549024	2,972885	2,911677	2,991903	3,087013	3,067203	3,062982	2,9588217	3,072399333	0,11357767	1,081907881	---
17549032	2,972885	2,911677	2,991903	3,087013	3,067203	3,062982	2,9588217	3,072399333	0,11357767	1,081907881	---
17230823	8,48932	8,286394	8,15642	8,411239	8,400505	8,461184	8,3107113	8,424309333	0,113598	1,08192313	Lyplal1
17335441	9,268446	9,331807	9,335279	9,401775	9,440099	9,434467	9,311844	9,425447	0,113603	1,08192688	Kctd20
17298504	3,752751	3,456061	3,862326	3,497066	4,02196	3,892931	3,6903793	3,803985667	0,11360633	1,081929379	Msmb
17423291	4,369232	4,149576	4,45535	4,494233	4,365326	4,455521	4,3247193	4,43836	0,11364067	1,081955127	Esrp1
17330799	4,388963	4,085337	4,290885	4,35716	4,449349	4,299603	4,2550617	4,368704	0,11364233	1,081956377	Gm5485
17420441	10,82578	10,76968	10,55518	10,82474	10,93309	10,73381	10,71688	10,83054667	0,11366667	1,081974626	---
17310977	5,820765	5,535566	5,468425	5,546288	5,963041	5,656467	5,6008252	5,721932	0,11368	1,081984626	Kcns2
17526242	8,325502	8,32085	8,353299	8,379854	8,592511	8,368376	8,333217	8,446913667	0,11369667	1,081997126	Vps11
17369672	6,175604	6,228434	6,271461	6,307515	6,375204	6,333892	6,2251663	6,338870333	0,113704	1,082002626	Ppapdc3
17541465	4,541761	4,320241	4,199449	4,392874	4,37343	4,63635	4,353817	4,467551333	0,11373433	1,082025375	Gpr119
17538794	9,716571	9,798507	9,520334	10,02978	9,810874	9,535965	9,6784707	9,792206333	0,11373567	1,08202637	---
17388454	7,681731	7,68122	7,614776	7,768299	7,695029	7,855652	7,6592423	7,772993333	0,113751	1,082037876	Cd82
17494117	6,086899	6,320554	6,169084	6,289434	6,367352	6,261006	6,192179	6,305930667	0,11375167	1,082038376	Trim68
17491463	4,470778	4,613006	4,567513	4,766554	4,613006	4,613006	4,5504323	4,664188667	0,11375633	1,082041876	Gabrg3
17336028	4,996006	4,626479	4,820954	4,868335	4,901145	5,015239	4,8144797	4,928239667	0,11376	1,082044626	---
17385044	7,85825	7,826977	7,894205	7,889283	7,951763	8,079709	7,8598107	7,973585	0,11377433	1,082055376	Rnd3
17306330	4,823126	4,834597	4,864166	4,752271	5,027102	5,08384	4,8406297	4,954404333	0,11377467	1,082055626	A630038E17Rik // A630038E17Rik
17216339	5,7872	5,737224	5,646727	5,671859	5,834414	6,006209	5,723717	5,837494	0,113777	1,082057376	Tnfrsf11a
17435528	4,589024	4,388068	4,461816	4,675695	4,524663	4,579908	4,479636	4,593422	0,113786	1,082064126	Dpp6
17381268	4,710187	4,273632	4,723815	4,707072	4,685699	4,656298	4,5692113	4,683023	0,11381167	1,082083377	---
17208505	4,280065	4,058496	4,382051	3,819611	5,064374	4,178116	4,240204	4,354033667	0,11382967	1,082096878	---
17299800	4,894752	4,7583	5,217105	5,155339	5,272375	4,783947	4,956719	5,070553667	0,11383467	1,082100628	---
17297680	4,048636	3,986842	4,424096	4,070954	4,596413	4,133729	4,1531913	4,267032	0,11384067	1,082105129	E330034G19Rik
17393454	7,953167	7,91206	7,783557	7,972775	7,96508	8,052527	7,882928	7,996794	0,113866	1,08212413	Rbm12
17246776	5,558536	5,72034	5,631694	5,667969	5,71058	5,873676	5,6368567	5,750741667	0,113885	1,082138382	Tbc1d10a
17434363	4,112566	4,020922	4,062395	4,101624	4,365487	4,070434	4,0652943	4,179181667	0,11388733	1,082140132	4930511M11Rik
17437574	4,61389	4,195593	4,392397	4,619133	4,456968	4,467491	4,4006267	4,514530667	0,113904	1,082152633	Gm17384
17204271	3,898859	3,460625	3,581398	3,729423	3,622095	3,931118	3,6469607	3,760878667	0,113918	1,082163135	---
17215773	6,549801	6,689502	6,944724	6,842607	6,867462	6,815769	6,728009	6,841946	0,113937	1,082177387	Traf3ip1
17202531	5,497086	5,827819	5,212988	6,164228	4,856592	5,858954	5,512631	5,626591333	0,11396033	1,082194889	---
17420831	6,438182	6,27746	6,574339	6,548036	6,500575	6,583266	6,4299937	6,543959	0,11396533	1,08219864	---

17375006	7,41886	7,36424	7,44733	7,457796	7,448474	7,666071	7,4101433	7,524113667	0,11397033	1,082202391	Ganc	
17337221	5,464576	5,452199	5,650656	5,725027	5,68683	5,497514	5,522477	5,636457	0,11398	1,082209642	Ddr1	
17268846	4,88082	5,157661	5,158334	5,066634	5,256979	5,215153	5,065605	5,179588667	0,11398367	1,082212392	---	
17419754	6,342618	6,081063	6,153244	6,219564	6,187426	6,511915	6,1923083	6,306301667	0,11399333	1,082219644	Pafah2	
17431315	6,152941	5,992928	6,000213	6,160146	6,329895	5,998029	6,048694	6,16269	0,113996	1,082221644	Sepn1	
17440981	6,019698	6,418604	6,25446	6,243855	6,478293	6,312623	6,2309207	6,344923667	0,114003	1,082226895	Tchp	
17261207	8,321148	8,50039	8,41981	8,30138	8,519258	8,762752	8,4137827	8,527796667	0,114014	1,082235147	Vrk2	
17538461	4,920365	4,41682	4,258708	4,827064	4,554173	4,556716	4,5319643	4,645984333	0,11402	1,082239647	Gm15107	
17333879	4,368136	4,39976	4,512495	4,621734	4,422615	4,578169	4,426797	4,540839333	0,11404233	1,082256401	Gm6811	
17537592	5,916061	5,630296	5,609163	5,723039	5,838603	5,936022	5,7185067	5,832554667	0,114048	1,082260652	Srpx2	
17391339	5,32439	5,222064	5,916891	5,443305	5,744876	5,617356	5,4877817	5,601845667	0,114064	1,082272655	Mall	
17339729	6,664837	6,923424	6,799226	6,808671	7,023158	6,897904	6,795829	6,909911	0,114082	1,082286158	Ltbp1	
17374401	4,130117	4,148963	4,254585	4,269537	4,313595	4,292808	4,1778883	4,29198	0,11409167	1,08229341	---	
17294991	8,163393	8,145596	8,171745	8,248159	8,244193	8,330658	8,1602447	8,274336667	0,114092	1,08229366	Jmy	
17367908	8,509861	8,184983	7,941665	8,402394	8,046333	8,530166	8,2121697	8,326297667	0,114128	1,082320667	---	
17234289	7,251227	7,392608	7,353718	7,253573	7,612714	7,473688	7,3325177	7,446658333	0,11414067	1,082330169	Bcr	
17376795	3,366307	3,460285	3,740619	3,579852	3,644156	3,685656	3,5224037	3,636554667	0,114151	1,082337922	---	
17500744	4,017675	4,215202	4,17956	4,27178	4,329097	4,154018	4,137479	4,251631667	0,11415267	1,082339172	B430010I23Rik	
17206087	4,113336	4,31958	4,107257	4,492006	4,160131	4,230535	4,1800577	4,294224	0,11416633	1,082349425	---	
17342306	4,533495	4,636774	4,623999	4,809576	4,439654	4,88757	4,5980893	4,712266667	0,11417733	1,082357678	---	
17226951	3,699522	3,477652	3,734263	3,70636	3,692285	3,855363	3,6371457	3,751336	0,11419033	1,082367431	---	
17308471	8,680729	9,40696	9,13662	8,695884	9,043543	9,827641	9,0747697	9,189022667	0,114253	1,082414447	---	
17509580	3,112506	3,345353	3,100459	3,065475	3,426066	3,409554	3,186106	3,300365	0,114259	1,082418948	---	
17355256	8,492165	8,441767	8,556913	8,52019	8,742373	8,571109	8,4969483	8,611224	0,11427567	1,082431453	4933403F05Rik	
17236182	7,586973	7,76159	7,502973	7,633897	7,866879	7,693597	7,6171787	7,731457667	0,114279	1,082433954	Timp3	
17338460	5,623323	5,485447	5,560163	5,605723	5,680958	5,725103	5,556311	5,670594667	0,11428367	1,082437455	Lrfn2	
17268542	5,963653	6,06628	6,141521	6,097803	6,388402	6,028237	6,0571513	6,171480667	0,11432933	1,082471719	Srcin1	
17417005	5,311615	5,278103	5,376707	5,631203	5,348738	5,329474	5,3221417	5,436471667	0,11433	1,082472219	Skint7	
17471975	3,060737	3,098436	2,928769	3,21322	3,134763	3,082974	3,029314	3,143652333	0,11433833	1,082478472	Gm5886	
17374373	4,742194	4,42902	4,90804	4,752376	4,645689	5,024283	4,6930847	4,807449333	0,11436467	1,082498231	C130080G10Rik	
17209651	6,082973	6,309474	6,518851	6,165998	6,818496	6,269926	6,303766	6,41814	0,114374	1,082505234	---	
17526937	8,046242	8,031329	7,730439	8,149791	7,939226	8,062196	7,9360033	8,050404333	0,114401	1,082525493	Sik2	
17242416	9,43264	9,249464	9,369579	9,383589	9,558783	9,45266	9,350561	9,465010667	0,11444967	1,08256201	D10Jhu81e	
17322913	6,232823	6,521681	6,203964	6,193499	6,565101	6,543277	6,3194893	6,433959	0,11446967	1,082577018	---	
17453024	4,845206	4,779073	4,998742	4,950828	5,102301	4,913322	4,8743403	4,988817	0,11447667	1,082582271	1700085B03Rik	
17209841	3,35476	4,408943	4,019633	4,321023	3,639737	4,166012	3,9277787	4,042257333	0,11447867	1,082583772	---	
17357546	10,97837	11,21383	10,96514	11,07583	11,28955	11,1354	11,052447	11,16692667	0,11448	1,082584772	---	
17279910	4,657172	4,713315	4,8337	4,881491	4,972612	4,693535	4,734729	4,849212667	0,11448367	1,082587524	1700101O22Rik	
17414891	5,918763	6,032761	5,674972	6,131671	5,903121	5,935241	5,8754987	5,990011	0,11451233	1,082609035	Gm428 // Gm428	
17489320	5,753376	5,806973	5,686139	5,946231	5,767978	5,875869	5,7488293	5,863359333	0,11453	1,082622292	Cd22	
17324751	7,243402	7,297995	7,331999	7,397217	7,339808	7,47999	7,291132	7,405671667	0,11453967	1,082629546	Wdr53	
17496863	6,778169	7,130076	6,79132	6,873014	7,080685	7,08952	6,899855	7,014406333	0,11455133	1,082638301	Armc5	
17537901	5,015585	4,930758	5,028081	4,708004	5,364733	5,245354	4,9914747	5,106030333	0,11455567	1,082641553	---	
17202827	5,57156	5,498502	6,029884	6,292689	5,485163	5,665792	5,699982	5,814548	0,114566	1,082649308	---	
17456069	3,897973	3,874845	3,925077	3,994598	4,175189	3,871808	3,8992983	4,013865	0,11456667	1,082649808	Gm725	
17454516	6,73041	6,587162	6,62968	6,733359	6,941444	6,616154	6,649084	6,763652333	0,11456833	1,082651059	Psmg3	
17492289	6,127773	6,201873	6,125399	6,269371	6,249662	6,279737	6,1516817	6,266256667	0,114575	1,082656062	Det1	
17495258	7,494697	7,533294	6,97287	7,602598	7,329618	7,412386	7,3336203	7,448200667	0,11458033	1,082660064	---	
17504431	7,028303	6,648729	7,086298	7,170309	6,774444	7,16233	6,92111	7,035694333	0,11458433	1,082663066	A730028G07Rik	
17381039	4,312221	4,085372	4,052184	4,297048	4,201157	4,295358	4,1499257	4,264521	0,11459533	1,082671321	Abhd16b	
17207091	4,471076	4,471067	4,346232	4,000248	5,019195	4,612733	4,4294583	4,544058667	0,11460033	1,082675073	---	
17204891	4,380111	5,045802	4,874523	4,660706	4,937734	5,045802	4,766812	4,881414	0,114602	1,082676324	---	
17403543	6,054092	6,340866	6,35955	6,325528	6,46806	6,304884	6,2515027	6,366157333	0,11465467	1,082715848	LOC100048410 // Gm15776 // Gm13342	
17399769	7,506172	7,405824	7,361308	7,454899	7,669192	7,493196	7,4244347	7,539095667	0,114661	1,082720601	S100a13	
17289249	8,680559	8,514054	8,5187	8,653495	8,75585	8,647959	8,5711043	8,685768	0,11466367	1,082722603	Wdr41	
17538395	7,077916	6,93895	6,984139	7,242893	7,004877	7,097289	7,000335	7,115019667	0,11468467	1,082738363	Zcchc16	
17204291	3,931828	3,596966	3,40505	3,267575	3,611098	4,399319	3,6446147	3,759330667	0,114716	1,082761879	---	
17435786	5,603939	5,351735	5,398179	5,616173	5,539037	5,54283	5,4512843	5,566013333	0,114729	1,082771635	Ccdc164	
17514257	7,739176	7,80876	7,68925	7,744386	7,83058	8,00641	7,7457287	7,860458667	0,11473	1,082772386	Rbm34	
17223813	4,175336	4,3419	4,278247	4,122575	4,771535	4,245584	4,265161	4,379898	0,114737	1,08277764	Akr1cl	
17479099	7,542828	7,881233	7,816551	7,98627	7,807847	7,790758	7,7468707	7,861625	0,11475433	1,082790649	Igf1r	
17279113	7,449554	7,38998	7,373122	7,474461	7,557804	7,524804	7,4042187	7,519023	0,11480433	1,082828176	1200009I06Rik	
17300211	3,265367	3,576715	3,562951	3,725655	3,43608	3,58776	3,4683443	3,583165	0,11482067	1,082840435	---	
17204827	4,290728	4,366282	3,857026	3,99709	4,079865	4,7816	4,1713453	4,286185	0,11483967	1,082854696	---	
17255762	7,872638	7,933175	7,712667	7,79003	8,036509	8,036486	7,8394933	7,954341667	0,11484833	1,082861201	Mrpl45	
17305988	6,251058	6,435727	6,371463	6,525913	6,445131	6,431834	6,3527493	6,467626	0,11487667	1,082882468	Tep1	
17355962	8,344598	8,316046	8,313006	8,269555	8,577431	8,471361	8,32455	8,439449	0,114899	1,082899231	Suv420h1	
17410818	7,270097	7,352869	7,067589	7,253659	7,302973	7,478631	7,230185	7,345087667	0,11490267	1,082901984	Hs2st1	
17416506	5,404471	5,397398	5,46057	5,610683	5,493593	5,50298	5,420813	5,535752	0,114939	1,082929256	Glis1	
17471586	3,332676	3,429243	3,044152	3,574159	3,074512	3,502233	3,2686903	3,383634667	0,11494433	1,08293326	Klrc2	
17525736	4,670147	4,610718	4,695638	4,703117	4,784638	4,83362	4,6588343	4,773791667	0,11495733	1,082943018	Olfr957	
17479804	6,957169	7,188226	6,999656	7,189153	7,287392	7,013433	7,0483503	7,163326	0,11497567	1,08295678	Eftud1	
17498398	8,105369	8,153149	8,118241	8,20538	8,307191	8,209232	8,1255863	8,240601	0,11501467	1,082986055	Cttn	
17535471	8,223302	7,812052	8,354712	8,504594	8,258126	7,972435	8,130022	8,245051667	0,11502967	1,082997315	Mir2137	
17200685	5,965446	6,391131	5,602654	6,222434	6,356195	5,725708	5,9864103	6,101445667	0,11503533	1,083001569	---	
17387782	3,802206	3,737434	3,35135	3,474638	4,125182	3,636277	3,63033	3,745365667	0,11503567	1,083001819	Olfr1155	
17218835	9,040908	9,236383	9,132784	9,160351	9,509001	9,085941	9,1366917	9,251764333	0,11507267	1,083029595	Sell	
17290736	3,897174	3,687257	3,739767	3,494179	4,44192	3,733391	3,7747327	3,88983	0,11509733	1,083048112	---	
17321813	4,21441	4,991478	4,835028	5,179999	4,805027	4,401389	4,6803053	4,795471667	0,11516633	1,083099913	---	
17213666	3,954688	3,936958	3,93019	3,872247	4,381279	3,913813	3,940612	4,055779667	0,11516767	1,083100914	Klf7 // Klf7	
17460405	7,787094	7,819373	7,883745	8,141266	7,885659	7,808795	7,8300707	7,94524	0,11516933	1,083102165	Tia1	
17359552	5,411693	5,397718	5,726268	5,528558	5,73067	5,621971	5,511893	5,627066333	0,11517333	1,083105168	Golga7b	
17430887	6,410014	6,501892	6,318367	6,477379	6,453369	6,645064	6,410091	6,525270667	0,11517967	1,083109923	Xkr8	
17462373	8,357497	8,336653	8,225021	8,416757	8,335322	8,512714	8,3063903	8,421597667	0,11520733	1,083130694	Cecr2	
17231272	4,219829	3,676106	4,069749	3,949731	4,168155	4,193433	3,9885613	4,103773	0,11521167	1,083133947	Mir205	
17417434	3,398606	3,464827	3,452153	3,237388	3,734666	3,689181	3,4385287	3,553745	0,11521633	1,083137451	Tmem69 // Tmem69	
17533316	6,62622	6,647896	6,454975	6,689981	6,653427	6,731374	6,5763637	6,691594	0,11523033	1,083147962	Gm14482	
17533322	6,62622	6,647896	6,454975	6,689981	6,653427	6,731374	6,5763637	6,691594	0,11523033	1,083147962	Gm14482	
17208111	4,422561	4,156552	3,989861	4,627654	4,353312	3,93372	4,189658	4,304895333	0,11523733	1,083153217	---	
17337036	6,653895	6,672929	6,949263	7,069284	7,05392	6,498603	6,7586957	6,873935667	0,11524	1,083155219	Atp6v1g2	
17367004	7,480071	7,46234	7,644074	7,741066	7,616365	7,574777	7,5288283	7,644069333	0,115241	1,08315597	Il15ra	
17391446	10,55125	10,72012	10,72069	10,84949	10,81226	10,67612	10,66402	10,77929	0,11527	1,083177743	---	
17348983	5,507628	5,451878	5,429676	5,626	5,467733	5,641318	5,4630607	5,578350333	0,11528967	1,083192509	2700062C07Rik	
17219324	7,714825	7,589301	7,554085	7,806638	7,734024	7,663459	7,6194037	7,734707	0,11530333	1,08320277	Arhgap30	
17337046	8,786499	8,837721	8,920737	8,986913	9,001019	8,902991	8,848319	8,963641	0,115322	1,083216785	Ddx39b	
17284290	7,944841	8,177833	8,313918	8,286469	8,346808	8,149282	8,1455307	8,260853	0,11532233	1,083217036	Brf1	
17355463	6,927464	6,831031	6,839557	7,072209	6,864865	7,006945	6,8660173	6,981339667	0,11532233	1,083217036	Ctif	
17442588	8,440225	8,502308	8,293492	8,343191	8,690714	8,548124	8,4120083	8,527343	0,11533467	1,083226296	Atp6v0a2	
17236500	7,773368	8,286965	8,172067	8,123179	8,12394	8,33133	8,0774667	8,192816333	0,11534967	1,083237559	---	
17432729	3,339576	3,161005	3,021888	3,535062	3,163996	3,1695	3,1741563	3,289519333	0,115363	1,08324757	LOC100862027 // LOC100862027	
17219480	10,0824	10,0985	9,961481	10,09389	10,36944	10,02517	10,04746	10,16283333	0,115373	1,083255078	---	
17532627	11,26891	11,52388	11,44668	11,55833	11,55569	11,47157	11,413157	11,52853	0,11537333	1,083255329	---	
17548908	5,017072	4,901262	4,926637	5,156998	5,031999	5,002116	4,9483237	5,063704333	0,11538067	1,083260835	LOC100861893	
17221465	6,826749	6,784366	6,93577	7,061295	6,949133	6,882688	6,8489617	6,964372	0,11541033	1,083283111	Stau2	
17476288	6,732012	6,781289	6,759189	6,622919	7,12117	6,874675	6,7574967	6,872921333	0,11542467	1,083293873	Cox7a1	
17460267	5,116935	4,864363	4,944293	4,874551	5,232058	5,165311	4,975197	5,09064	0,115443	1,083307639	Noto	
17441134	3,919054	3,896484	4,215948	4,177371	4,132988	4,067527	4,0104953	4,125962	0,11546667	1,083325411	---	
17429476	5,864187	5,45958	6,176035	5,9674	6,006752	5,872093	5,8332673	5,948748333	0,115481	1,083336174	Kcnq4	
17394015	4,868917	4,713846	4,665845	4,917854	4,791617	4,8856	4,749536	4,865023667	0,11548767	1,08334118	Jph2	
17426173	4,512372	4,364349	4,415235	4,554742	4,576544	4,507164	4,430652	4,54615	0,115498	1,083348939	Rnf183	
17484789	7,121095	7,079697	7,434004	7,305596	7,320137	7,35556	7,2115987	7,327097667	0,115499	1,08334969	Rassf7	
17308484	5,769996	5,696982	5,761526	5,823084	6,022176	5,729769	5,7428347	5,858343	0,11550833	1,083356699	LOC675947	
17492220	4,362876	4,128842	4,059387	4,132617	4,511795	4,253309	4,1837017	4,299240333	0,11553867	1,083379477	Sv2b	
17512494	6,564325	6,352075	6,180507	6,484008	6,676448	6,283079	6,3656357	6,481178333	0,11554267	1,083382481	E130303B06Rik	
17407452	5,247762	5,191861	4,873784	5,013419	5,460094	5,186552	5,104469	5,220021667	0,11555267	1,08338999	Lce1f	
17419354	8,38091	8,403187	8,476886	8,483777	8,532736	8,591146	8,4203277	8,535886333	0,11555867	1,083394496	Srsf4	
17279381	6,832265	6,927811	6,80946	7,013085	7,008192	6,894995	6,856512	6,972090667	0,11557867	1,083409515	AW555464	
17473713	4,156116	4,50146	3,9622	4,423108	4,170453	4,373004	4,206592	4,322188333	0,11559633	1,083422782	Zscan4a	
17399485	5,506269	5,670302	5,487383	5,577794	5,783636	5,649318	5,5546513	5,670249333	0,115598	1,083424034	Kcnn3	
17233636	10,18449	10,26192	10,27188	10,36744	10,23734	10,46031	10,23943	10,35503	0,1156	1,083425536	---	
17392025	7,348269	7,783329	7,568738	7,795693	7,674236	7,57722	7,5667787	7,682383	0,11560433	1,08342879	Trmt6	
17203743	3,635544	3,435402	3,678541	3,334621	4,221046	3,54071	3,5831623	3,698792333	0,11563	1,083448065	---	
17519498	4,203382	4,228436	4,580937	4,382631	4,642691	4,334327	4,337585	4,453216333	0,11563133	1,083449067	Bcl2l10	
17502690	3,934144	3,746004	3,781699	3,901764	3,987788	3,919211	3,8206157	3,936254333	0,11563867	1,083454574	---	
17548388	5,72895	5,631529	6,107451	5,708703	6,2975	5,808648	5,8226433	5,938283667	0,11564033	1,083455826	Gm2545	
17462944	5,816793	5,465842	5,790227	5,678396	6,091946	5,649445	5,690954	5,806595667	0,11564167	1,083456827	Spsb2	
17490578	7,981468	8,119053	7,858028	8,126242	8,214336	7,964947	7,986183	8,101841667	0,11565867	1,083469594	Rcn3	
17207745	7,169505	7,127332	7,463831	7,559258	7,448736	7,099747	7,253556	7,369247	0,115691	1,083493877	---	
17408442	6,082016	6,119459	5,981625	6,027608	6,315368	6,187206	6,0610333	6,176727333	0,115694	1,08349613	---	
17330905	6,450266	6,455996	6,216743	6,640285	6,429637	6,400173	6,374335	6,490031667	0,11569667	1,083498132	5330426P16Rik	
17494131	3,697206	3,788274	3,708656	3,97247	3,764084	3,80472	3,7313787	3,847091333	0,11571267	1,083510149	---	
17271632	5,30729	5,326619	5,09226	5,362009	5,324178	5,387134	5,2420563	5,357773667	0,11571733	1,083513654	Sdk2	
17206769	5,19399	5,45853	5,503651	5,240864	5,706083	5,55643	5,3853903	5,501125667	0,11573533	1,083527172	---	
17272415	9,095618	9,253283	9,045071	9,163335	9,350616	9,227266	9,131324	9,247072333	0,11574833	1,083536936	Ube2o	

17343724	6,385712	6,409511	6,353884	6,436657	6,641232	6,418545	6,3830357	6,498811333	0,11577567	1,083557465	Ring1
17355558	6,571212	6,455744	6,465086	6,744517	6,555618	6,539314	6,4973473	6,613149667	0,11580233	1,083577493	Siglec15
17216926	4,808881	4,850186	4,807086	4,847222	5,091223	4,875148	4,822051	4,937864333	0,11581333	1,083585755	---
17460572	8,980497	8,999096	9,070154	9,136984	9,215115	9,045147	9,0165823	9,132415333	0,115833	1,083600527	Copg
17293513	8,316002	8,543337	8,417218	8,815615	8,386887	8,42158	8,425519	8,541360667	0,11584167	1,083607036	Taf1d // Taf1d
17411621	4,467512	4,445456	4,525826	4,483873	4,706911	4,595619	4,479598	4,595467667	0,11586967	1,083628067	---
17271583	7,02509	7,074603	7,047921	7,165937	7,152996	7,176299	7,0492047	7,165077333	0,11587267	1,083630321	Slc39a11
17340050	5,856311	6,05818	5,949051	6,024088	6,141889	6,045242	5,954514	6,070406333	0,11589233	1,083645093	Plekhh2
17471648	3,968202	3,726306	4,03489	3,955696	4,449601	3,671806	3,9097993	4,025701	0,11590167	1,083652103	Klra5
17415219	7,972407	8,356375	8,370973	8,578523	8,316004	8,152937	8,2332517	8,349154667	0,115903	1,083653105	Acer2
17396658	4,533912	4,609372	4,663408	4,695321	4,786541	4,672579	4,6022307	4,718147	0,11591633	1,08366312	---
17245709	9,824756	9,80173	9,811211	9,86431	9,998302	9,922852	9,8125657	9,928488	0,11592233	1,083667627	Os9
17493126	3,731583	3,300333	3,118044	3,557674	3,569413	3,370685	3,38332	3,499257333	0,11593733	1,083678894	Olfr308
17478476	5,90417	5,955746	6,065873	6,007269	6,131146	6,135191	5,975263	6,091202	0,115939	1,083680146	Gas2
17521762	7,44175	7,600555	7,689762	7,750791	7,650775	7,678321	7,5773557	7,693295667	0,11594	1,083680897	Usp19
17287454	6,835604	6,600905	6,754608	7,075604	6,797846	6,665514	6,7303723	6,846321333	0,115949	1,083687657	Arl10
17486002	3,955022	3,971612	3,645894	4,123111	3,818316	3,979012	3,8575093	3,973479667	0,11597033	1,083703682	Rfpl4
17448745	10,20887	10,32608	9,872452	10,11767	10,43126	10,20643	10,135801	10,25178667	0,115986	1,08371545	---
17367367	7,602028	7,590265	7,660334	7,687641	7,826488	7,686592	7,6175423	7,733573667	0,11603133	1,083749504	Msrb2
17237515	4,031516	3,923514	4,045532	4,13844	4,039361	4,170859	4,0001873	4,11622	0,11603267	1,083750506	D630029K05Rik
17331562	3,155793	2,933823	3,437394	3,253343	3,381717	3,240055	3,17567	3,291705	0,116035	1,083752259	---
17387862	3,322889	3,356694	3,301905	3,271269	3,571654	3,486672	3,3271627	3,443198333	0,11603567	1,083752759	Olfr1209
17535898	3,705475	3,285857	3,31065	3,467825	3,600113	3,582181	3,433994	3,550039667	0,11604567	1,083760271	Olfr1325
17210115	6,061207	6,56478	5,810416	6,098761	6,28347	6,402318	6,1454677	6,261516333	0,11604867	1,083762525	---
17459474	5,802679	5,833044	6,041016	6,050736	6,062856	5,911313	5,8922463	6,008301667	0,11605533	1,083767533	Cd8b1
17466204	7,306421	7,681566	7,28336	7,59384	7,465914	7,559817	7,4237823	7,539857	0,11607467	1,083782057	E330009J07Rik
17427345	5,217316	4,970723	4,946391	5,200972	5,139066	5,142634	5,04481	5,160890667	0,11608067	1,083786564	Cyp2j12
17519155	9,272601	9,063049	9,374163	9,230494	9,474154	9,353411	9,2366043	9,352686333	0,116082	1,083787565	Mns1
17470323	7,943189	7,943189	7,800661	8,02825	8,094404	7,912638	7,8956797	8,011764	0,11608433	1,083789318	Erc1
17458598	6,300538	6,067811	6,461107	6,584671	6,296729	6,296311	6,2764853	6,392570333	0,116085	1,083789819	Hoxa3
17304973	5,47458	5,424032	5,638985	5,810964	5,433792	5,64116	5,5125323	5,628638667	0,11610633	1,083805845	Arhgap22 // Arhgap22
17405375	5,167357	5,11272	5,158699	5,305687	5,191118	5,290322	5,1462587	5,262375667	0,116117	1,083813859	---
17256716	6,63737	6,313177	6,716813	6,729768	6,528371	6,75761	6,5557867	6,671916333	0,11612967	1,083823374	Rundc1
17470643	4,41299	4,238237	4,176482	4,306626	4,331051	4,538424	4,275903	4,392033667	0,11613067	1,083824126	---
17470652	4,41299	4,238237	4,176482	4,306626	4,331051	4,538424	4,275903	4,392033667	0,11613067	1,083824126	---
17507933	6,152532	5,543962	5,886061	6,199278	5,845972	5,885756	5,8608517	5,977002	0,11615033	1,0838389	AY761184
17308099	4,394199	4,464138	4,644396	4,74486	4,473213	4,633162	4,500911	4,617078333	0,11616733	1,083851672	Adam28
17210467	5,771622	5,520341	6,016464	5,59296	6,111391	5,952684	5,7694757	5,885678333	0,11620267	1,083878217	---
17547863	4,42662	4,697589	4,463111	4,479794	4,542302	4,913899	4,5291067	4,645331667	0,116225	1,083894996	---
17342249	5,44997	5,285627	5,61504	5,441523	5,528596	5,72921	5,4502123	5,566443	0,11623067	1,083899253	Cacna1h
17283155	5,984578	6,14562	6,300701	6,410168	6,349	6,02053	6,143633	6,259899333	0,11626633	1,08392605	Eml5
17348461	8,54329	8,779082	8,559582	8,445284	8,639124	9,146482	8,627318	8,74363	0,116312	1,083960361	---
17357552	10,66484	10,79775	10,74569	10,84949	10,92644	10,78131	10,736093	10,85241333	0,11632	1,083966372	---
17390261	4,622383	4,563473	4,769279	4,825425	4,534081	4,944598	4,6517117	4,768034667	0,116323	1,083968626	---
17308556	4,798129	4,575772	4,452433	4,717001	4,75258	4,705798	4,608778	4,725126333	0,11634833	1,08398766	Cysltr2
17280682	5,647946	5,513372	5,816722	5,585986	5,721549	6,019579	5,6593467	5,775704667	0,116358	1,083994923	---
17342642	7,910747	7,831317	7,984824	7,975477	8,093794	8,006779	7,9089627	8,02535	0,11638733	1,084016964	Dusp1
17382361	8,640729	8,070202	8,496234	8,538844	8,566214	8,45127	8,4023883	8,518776	0,11638767	1,084017214	---
17470060	6,968608	7,068436	6,935306	7,042167	7,111788	7,167591	6,9907833	7,107182	0,11639867	1,084025479	Rassf4
17208703	5,842879	6,048443	6,432484	5,768656	6,674445	6,229936	6,1079353	6,224345667	0,11641033	1,084034246	---
17311652	8,054196	8,039598	7,999499	8,021152	8,237397	8,18413	8,0310977	8,147559667	0,116462	1,084073068	Wdr67
17427581	3,330727	3,027308	2,978798	3,113197	3,513359	3,059711	3,1122777	3,228755667	0,116478	1,084085091	---
17360305	4,889979	4,749599	4,916268	5,233348	4,911214	4,760771	4,8519487	4,968444333	0,11649567	1,084098366	AA387883
17293028	4,873402	4,620028	4,971635	4,725172	5,469443	4,620028	4,8216883	4,938214333	0,116526	1,08412116	Trpc7
17255479	3,639223	3,800662	3,611028	3,581519	4,192168	3,626845	3,6836377	3,800177333	0,11653967	1,08413143	---
17245900	3,501256	3,461357	3,546962	3,752152	3,58428	3,522831	3,5031917	3,619754333	0,11656267	1,084148714	---
17285398	7,070982	6,939645	7,013548	7,081969	7,166338	7,125627	7,0080583	7,124644667	0,11658633	1,084166499	AW209491
17498828	3,221368	3,258136	3,175865	3,22101	3,325256	3,458883	3,2184563	3,335049667	0,11659333	1,08417176	---
17215238	6,601235	6,524254	6,489616	6,564646	6,62627	6,774106	6,5383683	6,655007333	0,116639	1,084206078	---
17284612	3,956003	3,958484	3,715017	4,085532	3,838451	4,055578	3,8765013	3,993187	0,11668567	1,084241149	---
17322225	5,460824	5,332951	5,367571	5,333898	5,630421	5,547085	5,3871153	5,503801333	0,116686	1,0842414	---
17330967	6,495622	6,825593	6,498074	6,708647	6,654408	6,806327	6,6064297	6,723127333	0,11669767	1,084250168	Nfkbiz
17347751	9,936042	9,933937	9,945381	10,05606	10,13003	9,97938	9,9384533	10,05515667	0,11670333	1,084254427	Lrpprc
17231789	5,749231	5,804409	5,811687	6,010324	5,903448	5,801748	5,7884423	5,905173333	0,116731	1,08427522	Txlnb
17499918	5,081925	5,283647	5,625765	5,507087	5,37504	5,45947	5,3304457	5,447199	0,11675333	1,084292005	1810012K16Rik
17309726	4,047211	3,990467	4,244415	4,255138	4,222638	4,154618	4,094031	4,210798	0,116767	1,084302276	Nalcn
17207461	8,33576	8,447552	9,099001	8,996231	8,583503	8,652895	8,6274377	8,744209667	0,116772	1,084306034	---
17200669	4,083982	3,963851	4,673776	4,416109	4,344198	4,31164	4,2405363	4,357315667	0,11677933	1,084311546	---
17352212	8,214067	8,232203	8,022805	8,250873	8,223988	8,344631	8,1563583	8,273164	0,11680567	1,084331338	Zadh2
17396383	5,891754	5,814178	5,481034	5,935946	5,829639	5,771823	5,7289887	5,845802667	0,116814	1,084337601	Tnfsf10
17481936	6,844554	6,59688	6,259452	6,721133	6,639049	6,691176	6,566962	6,683786	0,116824	1,084345117	Tead1
17486159	4,664056	4,58671	4,866086	4,929342	4,569644	4,968419	4,7056173	4,822468333	0,116851	1,084365411	Vmn2r29
17539467	6,477514	6,483484	6,305796	6,390071	6,670904	6,556406	6,4222647	6,539127	0,11686233	1,084373929	Ap1s2
17201463	4,988372	4,870978	4,437113	4,696055	5,154935	4,79606	4,7654877	4,88235	0,11686233	1,084373929	---
17363132	3,440657	3,32748	3,249843	3,4408	3,582927	3,34487	3,3393267	3,456199	0,11687233	1,084381446	Olfr1448
17209079	6,480109	5,933479	6,49496	7,040906	6,557107	5,661152	6,3028493	6,419721667	0,11687233	1,084381446	---
17211405	10,69836	10,68807	10,52877	10,7666	10,60885	10,89038	10,6384	10,75527667	0,11687667	1,084384703	Gsta3
17348317	3,858566	3,655526	3,999936	3,909679	3,898451	4,056583	3,8380093	3,954904333	0,116895	1,084398483	Gm20380
17256033	8,87009	8,739061	8,815264	8,947083	8,857399	8,970726	8,8081383	8,925069333	0,116931	1,084425543	Grb7
17350020	4,990173	4,953494	4,744949	5,076323	4,894171	5,068941	4,8962053	5,013145	0,11693967	1,084432057	Arhgap26
17337697	3,31126	3,226818	3,260092	3,275571	3,415604	3,457844	3,2660567	3,383006333	0,11694967	1,084439574	Esp3
17388803	12,72731	12,60783	12,56163	12,71883	12,6969	12,83193	12,632257	12,74922	0,11696333	1,084449847	Cat
17286740	4,730184	4,613611	4,940269	4,902409	4,694924	5,037673	4,7613547	4,878335333	0,11698067	1,084462876	---
17550318	8,223303	7,717772	8,354713	8,544809	8,244853	7,85708	8,098596	8,215580667	0,11698467	1,084465883	---
17349731	6,07775	6,252363	6,147467	6,084336	6,491693	6,252579	6,1591933	6,276202667	0,11700933	1,084484425	Tmco6
17210279	3,083396	3,850309	3,2295	3,515493	3,620834	3,377964	3,387735	3,504763667	0,11702867	1,084498958	---
17210301	3,083396	3,850309	3,2295	3,515493	3,620834	3,377964	3,387735	3,504763667	0,11702867	1,084498958	---
17512321	5,782972	5,930633	5,683163	5,977373	5,987945	5,782566	5,7989227	5,915961333	0,11703867	1,084506475	Rrad
17338233	7,133577	7,18681	7,225878	7,284586	7,24344	7,36936	7,1820883	7,299128667	0,11704033	1,084507728	Mrps10
17381128	5,516016	5,618361	5,594586	5,666717	5,636376	5,777062	5,576321	5,693385	0,117064	1,084525519	Oprl1
17409428	4,547666	4,787842	4,932662	4,67464	4,905493	5,039275	4,7560567	4,873136	0,11707933	1,084537046	Fndc7
17266698	8,197244	8,169979	8,128036	8,329791	8,209013	8,307767	8,1650863	8,282190333	0,117104	1,084555589	Myo1d
17298510	8,011927	8,044262	8,033449	8,088224	8,224684	8,12808	8,0298793	8,146996	0,11711667	1,084565111	Ncoa4
17365569	3,021631	2,869925	2,9871	3,000942	3,061663	3,167464	2,959552	3,076689667	0,11713767	1,084580898	---
17276854	9,202854	9,112696	8,874759	9,171723	9,21547	9,154531	9,0634363	9,180574667	0,11713833	1,084581399	Slc39a9
17313599	3,350008	3,376826	3,072337	3,376826	3,296563	3,477216	3,2663903	3,383535	0,11714467	1,084586161	Cyp2d12
17213598	5,115393	4,742312	4,831123	5,024044	5,090542	4,925716	4,896276	5,013434	0,117158	1,084596184	Zdbf2
17530159	7,294467	7,315251	7,344499	7,486075	7,402488	7,417161	7,3180723	7,435241333	0,117169	1,084604454	Ppp2r3a
17402981	7,408325	7,455971	7,274958	7,585714	7,315541	7,589513	7,3797513	7,496922667	0,11717133	1,084606208	Emcn
17479841	6,112782	5,784801	6,318988	6,123238	6,321465	6,123389	6,0721903	6,189364	0,11717367	1,084607962	A530021J07Rik
17408805	5,601658	5,330761	5,642305	5,534175	5,844337	5,547737	5,524908	5,642083	0,117175	1,084608965	Wnt2b
17447227	4,625311	4,779561	4,836528	4,947937	4,656781	4,988273	4,7471333	4,864330333	0,117197	1,084625504	Zfyve28
17201605	4,706732	4,650861	4,945025	4,902249	5,075284	4,676719	4,7675393	4,884750667	0,11721133	1,08463628	---
17510607	4,36601	4,449396	4,515449	4,563245	4,521507	4,597763	4,4436183	4,560838333	0,11722	1,084642796	---
17378721	7,07221	7,138624	7,047833	7,152726	7,294655	7,163003	7,0862223	7,203461333	0,117239	1,084657081	Src
17532828	5,051809	4,845384	5,190683	5,13511	5,160304	5,144203	5,029292	5,146539	0,117247	1,084663095	Cacna1f
17236525	6,882742	6,556728	6,501065	6,695022	6,802189	6,795091	6,646845	6,764100667	0,11725567	1,084669611	Mir1931
17290781	7,739039	7,754138	7,139267	7,717021	7,386778	7,880422	7,544148	7,661407	0,117259	1,084672117	5033411D12Rik
17538756	9,889791	9,638475	9,645698	9,978384	9,693525	9,853864	9,7246547	9,84192433	0,11726967	1,084680137	---
17317904	5,550093	5,695165	5,613111	5,596202	5,730011	5,883986	5,6194563	5,736733	0,11727667	1,0846854	Slc45a4
17210479	4,130429	3,103053	3,573353	3,569468	3,793243	3,795978	3,6022783	3,719563	0,11728467	1,084691415	---
17258272	8,320287	8,403675	8,362239	8,558431	8,473845	8,405855	8,362067	8,479377	0,11731	1,084710462	Mrps7
17302600	4,907924	4,393171	4,238976	4,639261	4,612848	4,639926	4,513357	4,630678333	0,11732133	1,084718983	Slitrk5
17352985	7,704148	7,63717	7,663181	7,822374	7,97686	7,557258	7,6681663	7,785497333	0,117331	1,084726251	B4galt6
17360561	8,709174	8,583508	8,431039	8,586085	8,743931	8,7457	8,5745737	8,691905333	0,11733167	1,084726752	Casp7
17366399	6,767406	6,884108	6,689092	6,81684	6,977656	6,898105	6,780202	6,897533667	0,11733167	1,084726752	Dclre1c
17225248	4,077857	3,668217	4,075932	4,067183	4,079895	4,027044	3,9406687	4,058040667	0,117372	1,084757078	Efhd1 // Efhd1
17456684	4,301713	4,455814	4,622802	4,747751	4,449243	4,535473	4,4601097	4,577489	0,11737933	1,084762592	Gm9047
17316766	3,84103	3,92529	4,250106	4,119283	4,185395	4,063891	4,0054753	4,122856333	0,117381	1,084763845	Gm16294
17463482	5,808812	6,026004	5,893567	5,921104	5,860944	6,298489	5,909461	6,026845667	0,11738467	1,084766602	Klrb1f
17397424	3,653181	3,254572	3,283978	3,456477	3,624421	3,463003	3,3972437	3,514633667	0,11739	1,084770612	---
17479608	5,492354	5,619513	5,718226	5,709921	5,806836	5,665524	5,610031	5,727427	0,117396	1,084775124	Zscan2
17391693	8,234949	8,182161	8,166076	8,329679	8,272932	8,332827	8,1943953	8,311812667	0,11741733	1,084791165	Ddrgk1
17466165	4,94244	4,842057	4,645133	4,84234	5,107885	4,83168	4,8098767	4,927301667	0,117425	1,084796929	---
17374445	5,81798	5,36905	5,608065	5,640963	5,709032	5,797576	5,598365	5,715857	0,117492	1,08484731	D330050G23Rik
17205965	4,539464	4,602464	4,53143	5,084453	4,855553	4,085844	4,557786	4,675283333	0,11749733	1,08485132	---
17229931	5,151406	5,233365	5,145039	5,442818	5,110284	5,329241	5,1766033	5,294114333	0,117511	1,084861597	Slamf8
17300139	4,686899	5,114553	4,913284	4,977083	5,068898	5,021337	4,904912	5,022439333	0,11752733	1,084873879	---
17238762	7,844856	8,176443	7,949345	8,095141	8,121051	8,107101	7,9902147	8,107764333	0,11754967	1,084890673	Syne1
17406737	4,475537	4,373751	4,165556	4,436827	4,537863	4,392832	4,3382813	4,455840667	0,11755933	1,084897943	Bglap
17501540	3,580679	3,721829	3,387353	3,654663	3,571807	3,816137	3,563287	3,680869	0,117582	1,084914988	Tktl2
17294860	7,841395	7,666014	7,557878	7,638988	7,858315	7,920778	7,688429	7,806027	0,117598	1,08492702	Msh3
17378856	5,982183	5,551838	5,857852	6,009727	5,81067	5,924315	5,797291	5,914904	0,117613	1,0849383	Snhg11
17548272	5,14521	5,0841	5,127447	5,214621	5,246228	5,248753	5,118919	5,236534	0,117615	1,084939804	Nmd3 // Nmd3

17329926	6,511298	6,701146	6,620685	6,671199	6,732084	6,782849	6,611043	6,728710667	0,11766767	1,084979412	1700007L15Rik
17533772	3,210675	3,190103	3,120082	3,223911	3,428609	3,221521	3,17362	3,291347	0,117727	1,085024034	---
17521088	4,126286	4,069234	4,089882	4,180742	4,234135	4,223743	4,095134	4,212873333	0,11773933	1,08503331	Nek11
17426198	6,225397	6,354533	6,40219	6,232022	6,451321	6,652022	6,3273733	6,445121667	0,11774833	1,085040079	Hdhd3
17250660	6,662988	6,458176	6,261806	6,581231	6,565037	6,589954	6,46099	6,578740667	0,11775067	1,085041834	Adora2b
17200983	4,048811	4,179154	4,448588	4,239201	4,639858	4,150851	4,2255177	4,343303333	0,11778567	1,085068157	---
17432449	3,880934	3,877895	3,894408	4,245381	3,908644	3,852576	3,8844123	4,002200333	0,117788	1,085069912	Oog4
17324249	8,249627	8,553938	7,940807	8,332908	8,195941	8,568888	8,248124	8,365912333	0,11778833	1,085070163	1300002E11Rik
17513666	5,944961	5,99381	6,17013	6,123193	6,201774	6,137313	6,0363003	6,154093333	0,117793	1,085073673	Trhr2
17533055	8,844275	8,892605	8,943688	9,061012	8,971031	9,001971	8,8935227	9,011338	0,11781533	1,08509047	Timm17b
17253688	10,48204	10,35495	10,33852	10,47661	10,5555	10,49698	10,391837	10,50969667	0,11786	1,085124066	Ift20
17457171	8,985895	8,907507	8,906143	8,99247	9,097757	9,06295	8,9331817	9,051059	0,11787733	1,085137103	Bpgm
17373580	4,514993	4,259903	4,880473	4,791897	4,61073	4,606381	4,5517897	4,669669333	0,11787967	1,085138858	---
17434297	9,313134	9,269331	9,209282	9,468326	9,41722	9,259878	9,2639157	9,381808	0,11789233	1,085148385	Cdk6
17248084	8,815212	8,879118	8,627257	8,243516	9,090686	9,341076	8,7738623	8,891759333	0,117897	1,085151896	---
17464569	3,21471	3,481853	3,288254	3,605926	3,460516	3,272067	3,3282723	3,446169667	0,11789733	1,085152146	Mir653
17466416	3,888843	3,123178	3,629815	3,640099	3,562128	3,793366	3,5472787	3,665197667	0,117919	1,085168443	Olfr458
17538655	3,237958	3,419815	3,229873	3,311063	3,353272	3,577156	3,295882	3,413830333	0,11794833	1,085190508	---
17203221	2,891772	2,987501	3,803832	3,055739	3,867629	3,113613	3,2277017	3,345660333	0,11795867	1,08519828	---
17267654	4,403736	4,297336	4,53572	4,504941	4,683229	4,402559	4,412264	4,530243	0,117979	1,085213575	---
17329105	7,457007	7,422562	7,299672	7,509538	7,462436	7,561213	7,3930803	7,511062333	0,117982	1,085215832	Abcc5
17372430	7,11412	6,768522	6,539824	6,923718	6,679687	7,173035	6,8074887	6,92548	0,11799133	1,085222853	Dusp19
17500814	5,249921	5,04988	5,134971	5,178443	5,441272	5,169048	5,144924	5,262921	0,117997	1,085227115	Triml2
17412856	10,74821	10,62786	10,48518	10,84747	10,56417	10,80361	10,620417	10,73841667	0,118	1,085229372	---
17468551	9,874073	9,946733	9,947374	10,03111	10,12093	9,970258	9,9227267	10,040766	0,11803933	1,08525896	Anxa4
17220944	5,203113	5,230042	5,638744	5,39091	5,481591	5,553629	5,3572997	5,475376667	0,118077	1,085287295	Lamb3
17548472	8,155183	8,055442	7,871378	7,985002	8,134875	8,316406	8,0273343	8,145427667	0,11809333	1,085299582	LOC100046105
17466749	4,423256	4,220458	4,501678	4,632329	4,507685	4,359685	4,3817973	4,499899667	0,11810233	1,085306352	---
17216683	4,844621	4,991494	5,024089	4,982342	5,170833	5,061337	4,9534013	5,071504	0,11810267	1,085306603	B230209K01Rik
17509819	7,044882	6,596687	6,173734	6,896374	6,654278	6,619107	6,6051101	6,723253	0,118152	1,085343716	Gm15319
17529014	7,767922	7,996041	7,803677	7,87498	7,844302	8,202918	7,85588	7,974066667	0,11818667	1,085369796	---
17514958	3,502015	3,294364	3,234768	3,604967	3,361165	3,419594	3,3437157	3,461908667	0,118193	1,085374561	Olfr868
17268224	4,914203	4,870324	5,079935	5,052011	5,177299	4,989754	4,9548207	5,073021333	0,11820067	1,085380329	1110035M17Rik
17240989	8,302577	8,409187	8,295984	8,443511	8,466133	8,452714	8,335916	8,454119333	0,11820333	1,085382335	Sept10
17368069	6,066129	5,531663	5,947272	5,963908	6,101284	5,834513	5,8483547	5,966568333	0,11821367	1,085390109	Clic3
17393957	4,115762	4,527879	4,829117	4,655276	4,534945	4,637196	4,4909193	4,609139	0,11821967	1,085394623	---
17319738	6,948041	7,113281	6,87883	7,133051	7,076663	7,085114	6,9800507	7,098276	0,11822533	1,085398886	Nfam1
17263401	8,434553	8,444921	8,391715	8,54416	8,601963	8,479756	8,4237297	8,541959667	0,11823	1,085402397	Snap47
17208997	2,884411	2,903688	2,692697	3,291893	2,577738	2,965891	2,826932	2,945174	0,118242	1,085411425	---
17262342	6,216431	5,199988	6,554924	6,816196	5,951588	5,558316	5,9904477	6,1087	0,11825233	1,0854192	---
17549528	4,694107	4,691616	4,597906	4,667548	4,878909	4,791931	4,6612097	4,779462667	0,118253	1,085419701	---
17377728	4,539859	4,684542	5,072387	4,978819	4,878779	4,794018	4,765596	4,883872	0,118276	1,085437005	Defb28 // Defb28
17297209	4,243831	3,700319	4,140698	4,29232	3,887808	4,25959	4,0282827	4,146572667	0,11829	1,085447539	Olfr31
17333206	5,98301	5,702063	6,09954	6,023389	6,207883	5,908224	5,9282043	6,046498667	0,11829433	1,085450799	Park2
17392448	4,349343	4,349343	4,302307	4,282413	4,533957	4,539543	4,3336643	4,451971	0,11830667	1,085460078	Gm14092
17415606	7,821418	7,808375	7,737572	7,838775	7,878196	8,005333	7,7891217	7,907434667	0,118313	1,085464843	Nfia
17366876	5,119229	5,25885	4,973946	5,190384	5,792655	4,723936	5,1173417	5,235658333	0,11831667	1,085467602	---
17202779	7,478619	7,106191	6,745635	7,119167	7,570021	6,996219	7,1101483	7,228469	0,11832067	1,085470612	---
17331596	6,582917	6,091311	6,667394	6,815736	6,612984	6,267905	6,4472073	6,565541667	0,11833433	1,085480894	---
17237715	9,96875	9,949862	9,708077	9,950734	10,11302	9,917953	9,875563	9,993902333	0,11833933	1,085484656	Gns
17550568	11,25063	11,53432	11,44862	11,56288	11,53622	11,48949	11,41119	11,52953	0,11834	1,085485158	---
17550570	11,25063	11,53432	11,44862	11,56288	11,53622	11,48949	11,41119	11,52953	0,11834	1,085485158	---
17469183	6,977684	6,904777	6,764892	6,99373	6,890689	7,118021	6,882451	7,000813333	0,11836233	1,085501962	Magi1
17204621	6,670053	6,680406	6,984369	7,174006	7,088976	6,426941	6,778276	6,896641	0,118365	1,085503968	---
17207407	3,547095	3,108493	3,304312	3,581654	3,499838	3,233537	3,3199667	3,438343	0,11837633	1,085512496	---
17278404	5,671965	5,720624	5,929013	5,88782	6,014472	5,774446	5,7738673	5,892246	0,11837867	1,085514251	Bdkrb1
17230276	6,006784	5,821173	5,890761	6,036554	5,9822	6,055145	5,9062393	6,024633	0,11839367	1,085525538	B230369F24Rik
17300129	3,507428	3,122621	3,175727	3,372908	3,361443	3,426698	3,268592	3,387016333	0,11842433	1,085548612	A630038E17Rik
17311643	6,517576	6,465166	6,427793	6,536538	6,568535	6,660757	6,4701783	6,58861	0,11843167	1,08555413	Zhx2
17458161	4,177136	4,299881	4,391095	4,38041	4,444405	4,398604	4,2893707	4,407806333	0,11843567	1,08555714	---
17234361	5,545681	5,488812	5,941342	5,902411	5,782453	5,646305	5,6586117	5,777056333	0,11844467	1,085563912	---
17208043	3,414918	2,939785	3,050055	3,552869	3,150838	3,056405	3,1349193	3,253370667	0,11845133	1,085568929	---
17513104	7,144722	7,291742	7,305914	7,643354	7,328688	7,125746	7,2474593	7,365929333	0,11847	1,085582975	Wdr59
17218328	7,95994	8,040805	8,057676	7,956392	8,186097	8,271378	8,0194737	8,137955667	0,118482	1,085592004	Rnasel
17546434	3,695672	3,668207	3,702456	3,737875	3,814394	3,869604	3,6887783	3,807291	0,11851267	1,08561508	Rbm31y
17307860	7,447158	7,235231	7,152269	7,520009	7,32799	7,342233	7,2782193	7,396744	0,11852467	1,08562411	Ptk2b
17548254	5,198954	4,784025	5,079067	5,274771	5,083265	5,059613	5,020682	5,139216333	0,11853433	1,085631385	Rwdd3 // Rwdd3
17251303	6,558056	6,687558	6,580815	6,826083	6,390086	6,965868	6,6088097	6,727345667	0,118536	1,085632639	Pik3r5
17201679	9,058952	9,226437	9,186169	9,009573	9,33544	9,48218	9,157186	9,275731	0,118545	1,085639411	---
17273019	7,819647	7,66118	7,883696	7,943192	8,016632	7,760452	7,7881743	7,906758667	0,11858433	1,08566901	Slc38a10
17287255	4,932351	4,93943	4,991223	4,921962	5,035402	5,261393	4,9543347	5,072919	0,11858433	1,08566901	2310081J21Rik
17292531	4,932351	4,93943	4,991223	4,921962	5,035402	5,261393	4,9543347	5,072919	0,11858433	1,08566901	2310081J21Rik
17494799	5,623161	4,877162	5,077222	5,389531	5,447701	5,096106	5,192515	5,311112667	0,11859767	1,085679044	Olfr492
17481502	3,321722	3,354055	3,06941	3,105486	3,577098	3,418396	3,2483957	3,366993333	0,11859767	1,085679044	Olfr1532-ps1
17239991	3,91546	3,65197	3,725461	4,119408	3,551767	3,977523	3,764297	3,882899333	0,11860233	1,085682556	2310057J18Rik
17510318	5,789013	6,029997	5,809387	5,89194	6,042597	6,049667	5,8761323	5,994734667	0,11860233	1,085682556	Ano8
17207511	4,937411	4,543669	4,346394	5,189044	3,991437	5,002828	4,609158	4,727769667	0,11861167	1,08568958	---
17525964	6,402812	6,433815	6,50916	6,645844	6,560029	6,495779	6,4485957	6,567217333	0,11862167	1,085697105	---
17319421	3,710618	3,388587	3,684193	3,553392	3,935254	3,650658	3,594466	3,713101333	0,11863533	1,08570739	---
17503756	8,352509	8,284923	8,222965	8,497274	8,351708	8,367323	8,286799	8,405435	0,118636	1,085707892	Rbl2
17202719	2,874291	3,600241	3,710131	3,53532	3,656124	3,349131	3,3948877	3,513525	0,11863733	1,085708895	---
17496715	6,045266	6,14337	6,14733	6,005058	6,294603	6,392259	6,1119887	6,23064	0,11865133	1,085719431	Gm166
17459341	5,600375	5,425856	4,900159	5,398442	5,50271	5,381302	5,3087967	5,427484667	0,118688	1,085747025	---
17288948	4,143291	3,791361	3,818713	4,124852	3,897384	4,087202	3,9177883	4,036479333	0,118691	1,085749283	2810049E08Rik // 2810049E08Rik
17307425	4,470939	4,48207	4,626698	4,77245	4,840939	4,322581	4,526569	4,645323333	0,11875433	1,085796948	LOC100862065
17289656	4,15072	4,065162	4,071298	4,105401	4,303924	4,234148	4,0957267	4,214491	0,11876433	1,085804474	Htr1a
17520034	6,907681	7,260778	6,959287	7,343276	7,097651	7,043115	7,042582	7,161347333	0,11876533	1,085805226	Prss35
17297171	5,423969	5,242505	5,679914	5,718856	5,374096	5,609745	5,448796	5,567565667	0,11876967	1,085808488	Synpr
17208951	6,241071	6,419301	6,036326	6,3358	6,2864	6,43083	6,2322327	6,35101	0,11877733	1,085814258	---
17544446	4,274089	4,259398	4,192615	4,315696	4,381384	4,385368	4,242034	4,360816	0,118782	1,08581777	Xkrx
17390424	6,195117	6,266481	6,08845	6,255117	6,384745	6,266541	6,1833493	6,302134333	0,118785	1,085820028	Lcmt2
17501329	10,25868	9,939175	9,820093	10,03556	10,03542	10,30337	10,005983	10,12478333	0,11880067	1,085831819	Aadat
17348745	3,969374	3,853982	3,862462	3,805082	3,971324	4,265817	3,8952727	4,014074333	0,11880167	1,085832572	Dsg1b
17297006	5,192846	5,682511	5,667571	5,741999	5,619294	5,538113	5,5143093	5,633135333	0,118826	1,085850887	---
17545399	7,227185	7,581201	7,1572	7,352564	7,414996	7,554508	7,321862	7,440689333	0,11882733	1,08585189	Tsr2
17480028	3,271999	3,444742	3,356105	3,110208	3,71998	3,599182	3,3576153	3,476456667	0,11884133	1,085862427	---
17225595	6,093513	6,112341	6,36953	6,189485	6,369068	6,373359	6,1917947	6,310637333	0,11884267	1,085863431	Otos
17476956	3,447658	3,405166	3,587244	3,753098	3,470388	3,573179	3,4800227	3,598888333	0,11886567	1,085880742	---
17447097	9,841356	10,19894	10,11277	10,22674	10,17225	10,11069	10,051022	10,16989333	0,11887133	1,085885007	---
17202971	7,220886	7,320814	6,887708	7,304125	7,240797	7,241174	7,143136	7,262032	0,118896	1,085903574	---
17292082	3,450453	3,508878	3,532647	3,658221	3,426579	3,763897	3,497326	3,616232333	0,11890633	1,085911351	---
17533665	6,923379	6,961469	7,058891	7,002358	7,1712	7,126945	6,9812463	7,100167667	0,11892133	1,085922642	Usp11
17387644	3,864137	3,516798	3,572767	3,884444	3,596861	3,829215	3,651234	3,770173333	0,11893933	1,085936191	Olfr1044
17504174	5,83627	6,115311	5,902438	5,973084	6,237939	5,999825	5,9513397	6,070282667	0,118943	1,085938951	Gpr114
17530930	5,524652	5,25837	5,674256	5,617089	5,667483	5,529648	5,4857593	5,60474	0,11898067	1,085967303	Sema3b
17357228	10,4477	10,5689	10,61633	10,77193	10,58918	10,62881	10,54431	10,66330667	0,11899667	1,085979347	---
17348282	9,084018	8,893927	9,010512	9,16378	9,064362	9,117349	8,9961523	9,115163667	0,11901133	1,085990387	Colec12
17528783	7,485683	7,415776	7,243525	7,566161	7,539529	7,396333	7,3816613	7,500674333	0,119013	1,085991642	Pigb
17202975	4,937161	5,484197	5,600052	5,184072	5,552312	5,642099	5,34047	5,459494333	0,11902433	1,086000173	---
17303732	7,369758	7,030966	6,787967	7,38738	7,189117	6,969275	7,062897	7,1819924	0,119027	1,086002181	Kcnk16
17442010	5,688619	5,673956	5,698324	5,704763	6,078341	5,634881	5,6869663	5,805995	0,11902867	1,086003435	Myl2
17504146	8,310086	8,303518	8,385527	8,470167	8,40129	8,484768	8,3330437	8,452075	0,11903133	1,086005443	Coq9
17426631	9,253356	9,348126	9,332965	9,408472	9,439085	9,444089	9,3114823	9,430548667	0,11906633	1,08603179	3110001D03Rik
17416325	11,77016	11,56693	11,61638	11,77148	11,77806	11,76116	11,651157	11,77023333	0,11907667	1,086039568	Dhcr24
17499835	5,405765	5,648762	5,607948	5,698259	5,531415	5,790101	5,5541583	5,673258333	0,1191	1,086057133	C86695
17448753	8,892861	9,109452	9,039435	9,080875	9,031187	9,286993	9,013916	9,133018333	0,11910233	1,08605889	---
17484295	7,342165	7,521252	7,539642	7,518808	7,78325	7,458364	7,4676863	7,586807333	0,119121	1,086072942	Ppp2r2d
17276192	4,761218	4,695451	4,674	4,915326	4,887311	4,685478	4,710223	4,829371667	0,11914867	1,08609377	Lrrc9
17406664	5,673613	5,519224	5,582679	5,590738	5,76568	5,77656	5,5918387	5,710992667	0,119154	1,086097785	Ttc24
17500183	5,620178	5,513248	5,347079	5,667793	5,587935	5,582244	5,4935017	5,612657333	0,11915567	1,08609904	Bag4 // Bag4
17416633	6,938519	6,86019	6,608229	6,868257	7,141258	6,754976	6,8023127	6,921497	0,11918433	1,086120621	2010305A19Rik
17331720	5,762844	6,002309	5,532108	6,021163	5,963591	5,670196	5,7657537	5,884983333	0,11922967	1,086154751	Adamts5
17407886	8,658551	8,681182	8,615386	8,717911	8,719448	8,875526	8,6517063	8,770961667	0,11925533	1,086174074	Rprd2
17321768	9,448241	9,586003	9,088884	9,416724	9,344324	9,719923	9,374376	9,493657	0,119281	1,086193398	---
17269911	7,398071	7,221799	7,246568	7,330377	7,416167	7,477739	7,2888127	7,408094333	0,11928167	1,0861939	Vat1
17478352	8,302898	8,800076	8,446461	8,744455	8,684062	8,47883	8,5164783	8,635782333	0,119304	1,086210715	Htatip2
17270102	7,155039	7,13636	6,415411	6,905148	7,254447	6,905148	6,90227	7,021581	0,119311	1,086215985	---
17210769	5,899597	6,043424	6,382383	6,418397	6,492836	5,772162	6,108468	6,227798333	0,11933033	1,086230542	---
17466900	3,797728	4,118686	3,677739	3,828881	4,126711	3,996623	3,8647177	3,984071667	0,119354	1,086248361	5730457N03Rik
17522470	4,553801	4,669529	4,65948	4,724061	4,659349	4,857619	4,6276033	4,747009667	0,11940633	1,086287765	Prss43
17405389	4,12711	4,277751	4,184868	4,361791	4,31971	4,266496	4,1965763	4,315999	0,11942267	1,086300063	Gm410
17406275	4,083104	4,716262	4,587174	4,567587	4,638074	4,539158	4,46218	4,581606333	0,11942633	1,086302824	Sfrp2
17202873	7,775202	7,377608	7,636226	8,08962	7,216904	7,840835	7,5963453	7,715786333	0,119441	1,086313868	---
17492239	8,384874	8,193697	8,104723	8,370379	8,238976	8,432278	8,2277647	8,347211	0,11944633	1,086317884	AU020206

17409274	3,924062	3,961362	4,213107	4,122656	4,206053	4,12826	4,0328437	4,152323	0,11947933	1,086342732	Psma5
17549580	5,094776	4,935192	4,897447	5,176837	5,105301	5,003763	4,975805	5,095300333	0,11949533	1,08635478	---
17549734	5,094776	4,935192	4,897447	5,176837	5,105301	5,003763	4,975805	5,095300333	0,11949533	1,08635478	---
17259528	9,343414	8,788518	9,282975	9,205254	9,262239	9,305909	9,1383023	9,257800667	0,11949833	1,086357039	---
17200607	4,511305	4,542213	4,315646	5,084252	4,349564	4,293984	4,456388	4,575933333	0,11954533	1,086392431	---
17391464	9,9103	9,995798	9,997915	9,968218	10,03093	10,26359	9,9680043	10,08757933	0,119575	1,086414771	---
17418254	8,214797	8,499269	7,955293	8,284732	8,388111	8,355254	8,2231197	8,342699	0,11957933	1,086418034	---
17270607	5,398071	6,837623	5,969766	5,829289	6,820572	5,914489	6,0684867	6,188116667	0,11963	1,086456189	---
17549988	5,398071	6,837623	5,969766	5,829289	6,820572	5,914489	6,0684867	6,188116667	0,11963	1,086456189	---
17530348	8,913886	9,052014	8,832026	8,986089	9,166279	9,00447	8,932642	9,052279333	0,11963733	1,086461712	Dnajc13
17457184	9,088945	9,037093	8,855268	9,107782	9,150723	9,081897	8,9937687	9,113467333	0,11969867	1,086507902	Cald1
17453055	5,028533	5,149776	5,231019	5,169586	5,587255	5,011629	5,1364427	5,256156667	0,119714	1,086519449	5930412G12Rik
17370455	8,26269	8,059396	7,905571	8,24256	8,301675	8,042577	8,0758857	8,195604	0,11971833	1,086522713	Nek6
17322128	6,330781	6,202325	6,652118	6,341246	6,71208	6,491056	6,3950747	6,514794	0,11971933	1,086523466	Spryd3
17331705	7,54985	7,627573	7,301062	7,809342	7,566143	7,462174	7,4928283	7,612553	0,11972467	1,086527483	Adamts1
17263345	4,812715	5,073313	4,810114	4,948218	5,114418	4,992741	4,898714	5,018459	0,119745	1,086542796	A230051G13Rik
17544212	3,192082	3,320849	3,484204	3,788071	3,366152	3,202207	3,3323783	3,452143333	0,119765	1,086557859	Satl1
17434966	3,710239	3,456699	3,488033	3,541656	3,524286	3,948499	3,551657	3,671480333	0,11982333	1,086601793	Speer4f
17398460	5,219323	5,026613	5,452378	5,299852	5,439692	5,318281	5,2327713	5,352608333	0,119837	1,086612087	Mtap9
17331873	7,35962	7,637266	7,599057	7,724663	7,550451	7,68038	7,531981	7,651831333	0,11985033	1,086622129	Krtap16-4
17500263	6,482223	6,627599	6,420562	6,629165	6,605264	6,655519	6,510128	6,629982667	0,11985467	1,086625393	Thap1
17201571	3,464991	4,252029	3,75167	4,256498	3,85327	3,718514	3,8228967	3,942760667	0,119864	1,086632423	---
17427081	4,163346	4,335782	4,252078	4,285708	4,424434	4,400678	4,250402	4,370273333	0,11987133	1,086637946	C87499
17200023	6,743562	6,805676	6,975828	7,359056	6,772569	6,753114	6,8416887	6,961579667	0,119891	1,08665276	---
17343557	8,848863	8,487299	8,746348	8,941407	8,740532	8,760265	8,69417	8,814068	0,119898	1,086658032	---
17264424	8,097872	8,319115	8,164923	8,198093	8,46621	8,277397	8,19397	8,3139	0,11993	1,086682135	Ndel1
17200923	4,494274	5,261547	4,630581	4,718258	4,996163	5,031782	4,7954673	4,9154401	0,11993367	1,086684897	---
17358221	3,124574	3,352479	3,046035	3,261241	3,356982	3,264688	3,1743627	3,294303667	0,119941	1,086690421	---
17264306	4,664472	4,772541	5,085306	4,813508	5,308293	4,76037	4,840773	4,960723667	0,11995067	1,086697702	2310065F04Rik
17336987	8,200597	8,262401	8,41315	8,415153	8,4856	8,335288	8,2920493	8,412013667	0,11996433	1,086707996	Bag6
17295136	10,7754	10,71549	10,69709	10,72947	10,9335	10,88502	10,729327	10,84933	0,12000333	1,086737373	Iqgap2
17461192	4,06135	4,546373	4,391095	4,308971	4,572412	4,477448	4,3329393	4,452943667	0,12000433	1,086738127	---
17399906	4,015397	3,866529	3,798222	4,077504	4,042332	3,920378	3,8933827	4,013404667	0,120022	1,086751435	Lce3b
17428054	7,866464	7,81649	7,82917	7,813215	8,055458	8,003567	7,8373747	7,957413333	0,12003867	1,086763989	Gpx7
17201145	9,613218	9,777298	9,123023	9,399968	9,612403	9,861311	9,504513	9,624560667	0,12004767	1,086770769	---
17497007	4,77763	4,422346	4,761628	4,752405	4,908127	4,661277	4,653868	4,773936333	0,12006833	1,086786337	Gm5602
17369999	5,773361	5,982314	6,063564	6,134729	6,050905	5,993868	5,9397463	6,059834	0,12008767	1,086800901	---
17322800	6,212251	6,352206	6,020831	6,345277	6,093913	6,506362	6,195096	6,315184	0,120088	1,086801152	Rpl39l
17481223	3,331725	2,966513	3,060943	3,071927	3,260449	3,387114	3,119727	3,23983	0,120103	1,086812452	---
17547835	7,932621	7,869816	7,932955	8,138144	7,750937	8,206633	7,9117973	8,031904667	0,12010733	1,086815716	Gm20236
17547844	7,932621	7,869816	7,932955	8,138144	7,750937	8,206633	7,9117973	8,031904667	0,12010733	1,086815716	Gm20236
17465865	5,360806	5,698453	5,436471	5,693227	5,612309	5,550521	5,4985767	5,618685667	0,120109	1,086816972	Dgki
17312899	5,70119	5,336867	5,786871	5,531043	6,047864	5,606349	5,6083093	5,728418667	0,12010933	1,086817223	Galr3
17345728	6,180161	5,917648	6,171894	6,169748	6,271488	6,188798	6,089901	6,210011333	0,12011033	1,086817976	Mdfi
17498126	13,06962	13,01533	13,07511	13,19932	13,21953	13,10162	13,053353	13,17349	0,12013667	1,086837814	H19
17389647	6,059676	5,759651	5,59726	5,556191	6,118724	6,102114	5,805529	5,925676333	0,12014733	1,08684585	Rasgrp1
17432702	4,17972	4,346232	3,964571	4,567081	4,323434	3,960496	4,1635077	4,283670333	0,12016267	1,086857401	Zfp534
17346338	6,162397	6,145747	6,27056	6,114079	6,531773	6,293547	6,1929013	6,31133	0,12023167	1,086909383	Vmac
17316136	3,166952	3,348935	3,179176	3,237855	3,465215	3,352703	3,2316877	3,351924333	0,12023667	1,08691315	4921515E04Rik
17461055	4,224566	4,439322	4,287405	4,55348	4,35741	4,40116	4,3170977	4,43735	0,12025233	1,086924954	---
17401480	7,288051	7,442086	7,172562	7,221591	7,544995	7,496905	7,3008997	7,421163667	0,120264	1,086933743	Dennd2d
17365508	3,700023	3,628812	4,053696	3,881325	4,065509	3,796542	3,794177	3,914458667	0,12028167	1,086947054	---
17477391	5,182751	4,376714	4,883468	4,680289	5,495728	4,627783	4,814311	4,9346	0,120289	1,086952579	Klk1
17299877	5,429046	5,415003	5,522342	5,773579	5,496159	5,457549	5,4554637	5,575762333	0,12029867	1,086959862	---
17299954	5,429046	5,415003	5,522342	5,773579	5,496159	5,457549	5,4554637	5,575762333	0,12029867	1,086959862	---
17435167	4,155163	4,184607	4,291316	4,161158	4,475878	4,355118	4,210362	4,330718	0,120356	1,087003059	---
17262198	4,155879	4,307932	4,447742	4,697825	4,359685	4,215115	4,303851	4,424208333	0,12035733	1,087004063	Trim7
17274670	4,877127	4,945147	4,808073	4,939781	5,098109	4,953546	4,8767823	4,997145333	0,120363	1,087008333	Myt1l
17498693	4,520687	4,570634	4,908647	4,606578	4,963913	4,790566	4,666656	4,787019	0,120363	1,087008333	---
17480620	5,154616	5,192444	5,570558	5,494769	5,60272	5,181246	5,3058727	5,426245	0,12037233	1,087015365	Chrdl2
17366946	3,554896	3,534791	3,712137	3,802427	3,850369	3,510156	3,600608	3,720984	0,120376	1,087018128	---
17376917	5,601758	5,516268	5,480867	5,75473	5,486021	5,719332	5,5329643	5,653361	0,12039667	1,0870337	2310003L22Rik
17303609	6,474605	6,744129	6,245875	6,569014	6,541284	6,715532	6,488203	6,60861	0,120407	1,087041486	Rarb
17505260	7,792272	7,920509	7,770244	8,061309	7,893793	7,889193	7,827675	7,948098333	0,12042333	1,087053792	Nfat5
17286434	3,248169	3,369909	3,374218	3,574725	3,240049	3,538883	3,3307653	3,451219	0,12045367	1,087076648	Serpinb9g
17392887	4,742925	4,87495	4,927371	4,880418	4,93217	5,094032	4,8484153	4,968873333	0,120458	1,087079914	---
17338982	7,867914	7,930703	7,880358	7,868423	8,182652	7,989317	7,8929917	8,013464	0,12047233	1,087090714	Vav1
17500289	8,41732	8,370998	8,309044	8,501919	8,502467	8,454393	8,3657873	8,486259667	0,12047233	1,087090714	Prosc
17538780	9,640586	10,04146	9,455029	9,658251	9,835295	10,00495	9,7123583	9,832832	0,12047367	1,087091719	---
17255594	5,38541	5,343772	5,393059	5,459126	5,549374	5,47522	5,3740803	5,494573333	0,120493	1,087106287	Hoxb4
17426429	4,248432	3,990087	3,779705	4,127647	4,090925	4,161137	4,0060747	4,126569667	0,120495	1,087107794	---
17390637	5,811295	5,645281	5,872383	5,97278	5,959089	5,758578	5,7763197	5,896815667	0,120496	1,087108547	Frmd5
17448563	4,623904	4,73189	5,048354	5,075954	5,019246	4,67044	4,8013827	4,92188	0,12049733	1,087109552	---
17516288	3,195623	3,262797	3,162761	3,324403	3,36315	3,295123	3,2070603	3,327558667	0,12049833	1,087110306	Olfr971
17491205	3,648898	3,745084	3,694712	3,867074	3,684676	3,898451	3,6962313	3,816733667	0,12050233	1,08711332	Saa1
17356325	6,860204	6,436984	6,622095	6,842929	6,776061	6,661808	6,639761	6,760266	0,120505	1,087115329	Slc29a2
17357280	9,815512	9,851629	9,876968	10,01976	9,993282	9,892586	9,8480363	9,968542667	0,12050633	1,087116334	Ganab
17404243	4,020648	4,012572	4,231593	4,287424	4,158287	4,180626	4,088271	4,208779	0,120508	1,08711759	---
17287876	4,931698	4,636862	4,84163	5,088078	4,798501	4,885301	4,8033967	4,92396	0,12056333	1,087159286	Gm19839
17280729	8,924256	8,924994	8,792217	8,981132	9,012302	9,009779	8,880489	9,001071	0,120582	1,087173352	Ahr
17526109	4,984039	4,489344	4,568793	4,804125	5,0839	4,515949	4,6807253	4,801324667	0,12059933	1,087186414	---
17288812	6,865102	6,774176	6,70316	6,894487	6,874022	6,935816	6,7808127	6,901441667	0,120629	1,087208771	2210408I21Rik
17516286	3,254517	3,04236	2,764473	3,148746	3,021779	3,252721	3,02045	3,141082	0,120632	1,087211032	Olfr970
17311272	6,26199	6,395866	6,248376	6,28278	6,584559	6,400803	6,3020773	6,422714	0,12063667	1,087214548	Zfpm2
17286515	9,716068	9,784448	9,92778	9,942791	9,953997	9,893451	9,809432	9,930079667	0,12064767	1,087222838	Prpf4b
17265719	3,885828	3,730105	4,054898	4,021778	3,972295	4,038705	3,890277	4,010926	0,120649	1,087223843	---
17243884	4,626122	4,576097	5,326034	5,046909	5,074718	4,768583	4,842751	4,963403333	0,12065233	1,087226355	---
17460622	10,03425	10,04976	10,01013	10,18252	10,16335	10,11023	10,03138	10,15203333	0,12065333	1,087227109	Rpn1
17279417	5,527322	5,540641	5,415711	5,659326	5,476555	5,709785	5,494558	5,615222	0,120664	1,087235147	BC022687
17352120	4,60729	4,750923	4,710007	4,816758	4,691483	4,921986	4,6894067	4,810075667	0,120669	1,087238915	Pard6g
17487779	5,447545	5,399576	5,545856	5,509475	5,665103	5,580469	5,4643257	5,585015667	0,12069	1,087254741	Lypd4
17364642	9,842574	9,805564	9,724187	9,814833	9,940133	9,979431	9,790775	9,911465667	0,12069067	1,087255244	Pik3ap1
17361404	8,956537	8,989998	8,889967	9,024645	9,157399	9,01655	8,9455007	9,066198	0,12069733	1,087260268	Dpp3
17400139	7,288691	7,211882	7,174923	7,425731	7,235649	7,37623	7,2251653	7,34587	0,12070467	1,087265794	Pogz
17275572	4,630648	4,686574	4,72297	4,839275	4,735751	4,827296	4,680064	4,800774	0,12071	1,087269814	Insm2
17427948	4,965016	4,792473	5,009246	5,005702	5,044332	5,078843	4,922245	5,042959	0,120714	1,087272828	---
17207675	7,067223	7,094633	7,626498	7,717377	7,568382	6,864761	7,2627847	7,383506667	0,120722	1,087278858	---
17459005	3,297284	3,214964	2,992872	3,238991	3,435242	3,193076	3,1683733	3,289103	0,12072967	1,087284636	Vmn1r28
17529035	6,462478	6,108797	6,587361	6,410016	6,677253	6,433566	6,386212	6,506945	0,120733	1,087287148	Ooep
17316207	7,521282	7,449739	7,403285	7,623113	7,586339	7,527099	7,458102	7,578850333	0,12074833	1,087298704	Trio
17550602	12,70485	12,73097	12,92746	12,98084	12,80888	12,93582	12,78776	12,90851333	0,12075333	1,087302472	---
17415915	7,204736	7,226725	7,378839	7,417188	7,298015	7,457373	7,2701	7,390858667	0,12075867	1,087306492	---
17526693	3,964848	3,569939	3,567784	3,796572	3,916184	3,752152	3,700857	3,821636	0,120779	1,087321816	---
17200227	5,464146	5,713272	5,947825	5,974428	5,75751	5,755652	5,7084143	5,829196667	0,12078233	1,087324328	---
17350437	3,293543	3,441106	3,299207	3,383989	3,678764	3,333494	3,3446187	3,465415667	0,120797	1,087335382	Gm5506 // Gm5506
17211435	4,167304	4,066264	4,420094	4,374302	4,176479	4,465295	4,2178873	4,338692	0,12080467	1,087341161	Kcnq5
17259475	6,271926	6,497617	6,475419	6,51976	6,526488	6,561224	6,4149873	6,535824	0,12083667	1,087365279	Lrrc45
17389687	3,18997	3,380149	3,714756	3,459717	3,813401	3,374294	3,4282917	3,549137333	0,12084567	1,087372062	---
17243621	4,377398	4,537898	4,510154	4,54395	4,646351	4,597743	4,47515	4,596014667	0,12086467	1,087386383	C330046G13Rik
17203815	3,937575	4,310509	4,438363	4,39759	4,369486	4,282066	4,2288157	4,349714	0,12088933	1,087411758	---
17235211	7,560202	7,682729	7,543503	7,768273	7,671618	7,709259	7,595478	7,716383333	0,12090533	1,087417034	Midn
17515729	7,842197	7,740942	7,772623	7,910415	7,893939	7,91418	7,785254	7,906178	0,120924	1,087431104	Prdm10
17257403	3,372941	3,361396	3,220655	3,319379	3,518442	3,479951	3,3183307	3,439257333	0,12092667	1,087433114	---
17516777	6,416571	6,595272	6,617481	6,827228	6,443615	6,721425	6,543108	6,664089333	0,12098133	1,08747432	Fxyd6
17376798	3,624041	3,2771	3,419428	3,575225	3,742043	3,366256	3,4401897	3,561174667	0,120985	1,087477084	BC034902
17362671	4,729926	4,80836	4,718813	4,955962	5,017311	4,646801	4,7523663	4,873358	0,12099167	1,087482109	Lrrc10b
17324416	4,854066	4,797683	4,583977	4,702253	4,788945	5,107549	4,745242	4,866249	0,121007	1,087493667	---
17201127	8,219801	8,549331	7,796199	7,922529	8,51172	8,494112	8,1884437	8,309453667	0,12101	1,087495929	---
17443047	4,211624	4,141242	3,863354	4,240378	4,147414	4,191503	4,0720733	4,193098333	0,121025	1,087507236	Caln1
17472199	5,074514	4,89489	5,149317	5,275348	5,308947	4,897569	5,0395737	5,160621333	0,12104767	1,087524322	Erp27
17206169	4,218341	4,091004	4,678803	4,645141	4,221562	4,484592	4,3293827	4,450431667	0,121049	1,087525327	---
17392572	7,73251	8,07147	7,774336	8,060212	8,005891	7,875378	7,8594387	7,980493667	0,121055	1,08752985	Cd93
17450059	9,991186	9,846331	9,806108	10,03252	9,9933	9,980978	9,8812083	10,002266	0,12105767	1,08753186	Sec31a
17215804	4,429418	4,434587	4,565475	4,367386	4,81044	4,614832	4,4764933	4,597552667	0,12105933	1,087533117	---
17202165	4,232609	3,098786	4,056906	3,725489	4,603731	3,422332	3,7961003	3,917184	0,12108367	1,08755146	---
17303373	5,893636	5,686079	5,852548	5,927779	5,916739	5,951029	5,8107543	5,931849	0,12109467	1,087559752	---
17346216	8,225895	8,210979	8,084955	8,240121	8,397481	8,247586	8,173943	8,295062667	0,12111967	1,087578598	Plin3
17325874	3,818626	3,963228	4,1387	4,236785	4,109564	3,937573	3,973518	4,094640667	0,12112267	1,08758086	Cd200r4
17505455	8,127008	8,224463	8,205232	8,192585	8,424474	8,303044	8,1855677	8,306701	0,12113333	1,087588901	Phlpp2
17502421	3,856606	3,556183	3,493988	3,257269	4,338937	3,673973	3,6355923	3,756726333	0,121134	1,087589403	---
17206671	5,458575	5,352633	5,340389	5,765491	4,973999	5,775538	5,3838657	5,505009333	0,12114367	1,087596691	---
17262023	3,930216	3,883625	3,433924	3,905973	3,877364	3,827943	3,749255	3,870426667	0,12117167	1,087617799	---
17206803	6,889157	6,838164	7,384556	7,227284	7,232317	7,015883	7,0372923	7,158494667	0,12120233	1,087640918	---
17388371	6,264519	6,196548	6,501137	6,419317	6,385894	6,520602	6,3207347	6,441937667	0,121203	1,087641421	Mapk8ip1

17206003	5,792219	5,641308	6,126439	5,504191	6,533651	5,88575	5,853322	5,974530667	0,12120867	1,087645693	---	
17226701	4,972168	5,002182	4,950278	5,257504	5,164535	4,866235	4,974876	5,096091333	0,12121533	1,087650719	---	
17312146	5,374251	5,252255	5,144735	5,296557	5,515386	5,322948	5,2570803	5,378297	0,12121667	1,087651724	Bai1	
17305091	5,241519	5,241032	5,36122	5,450648	5,569558	5,187265	5,281257	5,402490333	0,12123333	1,087664289	Opn4	
17279941	4,686258	4,731596	4,882441	4,768317	5,171074	4,724716	4,766765	4,888035667	0,12127067	1,087692436	1700022H16Rik	
17291624	4,313956	4,071645	4,231554	4,579465	4,28909	4,112462	4,2057183	4,327005667	0,12128733	1,087705001	G630018N14Rik	
17501588	7,79309	7,778038	7,566753	7,83481	7,777065	7,889894	7,712627	7,833923	0,121296	1,087711535	Sh2d4a	
17367385	6,531722	6,288532	6,122611	6,313662	6,523867	6,469232	6,3142883	6,435587	0,12129867	1,087713546	Otud1	
17201031	6,319167	7,12338	6,867441	6,476254	7,165976	7,031659	6,769996	6,891296333	0,12130033	1,087714803	---	
17268243	5,150013	5,406612	5,242909	5,215467	5,567596	5,380416	5,2665113	5,387826333	0,121315	1,08772586	B4galnt2	
17321365	7,201969	7,235885	7,251152	7,391665	7,224078	7,437311	7,2296687	7,351018	0,12134933	1,087751747	Mll2	
17282868	10,02259	10,07572	9,979749	10,13198	10,18027	10,12986	10,02602	10,14737	0,12135033	1,087752501	Sptlc2	
17210517	5,081244	5,447424	4,808329	5,939853	4,732837	5,028361	5,1123323	5,233683667	0,12135133	1,087753254	---	
17472536	8,793033	9,376768	8,898294	9,164787	9,181137	9,086227	9,0226983	9,144050333	0,121352	1,087753757	Abcc9	
17310117	6,277389	6,11909	6,248226	6,22496	6,340569	6,443296	6,2149017	6,336275	0,12137333	1,087769842	2410089E03Rik	
17310972	6,729455	6,673386	6,622914	6,880879	6,6765	6,832497	6,6752517	6,796625333	0,12137367	1,087770093	4930413F20Rik // 4930413F20Rik	
17300205	3,685532	3,825447	3,702502	3,992853	3,857781	3,726988	3,737827	3,859207333	0,12138033	1,08777512	---	
17302279	11,41598	11,41519	11,55202	11,6195	11,7178	11,41007	11,461063	11,58245667	0,12139333	1,087784922	Olfm4	
17244551	3,310629	3,504306	3,619361	3,635226	3,493358	3,669945	3,4780987	3,599509667	0,121411	1,087798242	Phxr2	
17543974	10,1763	10,03762	9,858613	10,08352	10,12308	10,23032	10,024178	10,14564	0,12146233	1,087836949	Magt1	
17487945	5,896096	5,569113	5,852248	6,062085	5,690277	5,929501	5,7724857	5,893954333	0,12146867	1,087841724	Cxcl17	
17359006	4,113487	4,059994	4,148808	4,209915	4,187304	4,289546	4,1074297	4,228921667	0,121492	1,087859319	---	
17405722	8,329477	8,148512	8,434798	8,574561	8,358943	8,343783	8,3042623	8,425762333	0,1215	1,087865351	---	
17262178	6,642489	6,594161	6,702466	6,879214	6,646571	6,777989	6,646372	6,767924667	0,12155267	1,087905065	Trim41	
17327714	4,227031	3,764678	4,07934	4,145229	4,171477	4,119049	4,023683	4,145251667	0,12156867	1,08791713	4930455F16Rik // 4930455F16Rik	
17299585	6,419206	6,234021	5,987852	6,448113	6,36503	6,192693	6,213693	6,335278667	0,12158567	1,08792995	Rnase6	
17402412	3,801626	4,25947	3,945138	4,261806	4,0802	4,029086	4,002078	4,123697333	0,12161933	1,087955338	Ndst4	
17466958	4,056614	4,08211	4,239049	4,428787	4,091947	4,221919	4,1259243	4,247551	0,12162667	1,087960868	---	
17203397	4,393717	3,974113	4,760909	4,363394	4,109711	5,020539	4,3762463	4,497881333	0,121635	1,087967153	---	
17547509	3,115825	3,251254	3,041851	3,4269	3,363564	2,983402	3,13631	3,257955333	0,12164533	1,087974945	Gm1553 // Gm1553	
17339310	4,324761	4,466091	4,188784	4,381853	4,513369	4,449352	4,3265453	4,448191333	0,121646	1,087975448	Tmem200c	
17331824	3,984169	3,694432	3,865783	4,287467	3,651829	3,970048	3,848128	3,969781333	0,12165333	1,087980978	Cldn17	
17549434	5,588795	5,605046	5,665004	5,847637	5,909432	5,46678	5,619615	5,741283	0,121668	1,087992039	---	
17549826	5,588795	5,605046	5,665004	5,847637	5,909432	5,46678	5,619615	5,741283	0,121668	1,087992039	---	
17317415	6,568491	6,379062	6,695068	6,672952	6,610384	6,72434	6,5475403	6,669225333	0,121685	1,088004859	H2afy3	
17398611	7,212805	7,361993	7,10018	7,25461	7,324421	7,461093	7,2249927	7,346708	0,12171533	1,088027735	Pet112l	
17200539	3,972666	3,129976	4,052255	3,595605	4,442869	3,481605	3,718299	3,840026333	0,12172733	1,088036785	---	
17450532	13,39956	13,31897	13,35556	13,40363	13,52004	13,51561	13,35803	13,47976	0,12173	1,088038796	Gm12070 // Gm12070	
17451549	5,371568	5,095045	5,400826	5,306793	5,422214	5,503652	5,2891463	5,410886333	0,12174	1,088046338	Trpv4	
17531581	6,014902	6,1108	5,921507	6,006763	6,043932	6,361741	6,0157363	6,137478667	0,12174233	1,088048098	Nradd	
17402025	10,86379	10,86552	10,80385	10,99342	10,94191	10,96308	10,844387	10,96613667	0,12175	1,08805388	Dbt	
17241867	7,877136	7,948826	8,033318	8,091745	8,096125	8,03668	7,9530933	8,07485	0,12175667	1,088058908	Cabin1	
17207411	6,062433	6,284205	6,062222	6,193633	6,104052	6,476487	6,1362867	6,258057333	0,12177067	1,088069466	---	
17366481	4,646071	4,450031	4,908379	4,798681	4,708494	4,862673	4,6681603	4,789949333	0,121789	1,088083293	---	
17429281	3,546932	3,549577	3,634733	4,002677	3,405493	3,688503	3,5770807	3,698891	0,12181033	1,088099383	Olfr1335	
17303412	9,744927	9,513478	9,779142	9,782545	9,823102	9,797492	9,6791823	9,801046333	0,121864	1,08813986	Acox2	
17427459	5,382952	5,591867	5,460937	5,675838	5,647172	5,478389	5,4785853	5,600466333	0,121881	1,088152682	4932416J16Rik	
17501565	3,344836	3,389416	3,629893	3,69765	3,488427	3,543711	3,454715	3,576596	0,121881	1,088152682	Nat1	
17516938	6,314404	6,529115	6,550892	6,424114	6,597064	6,738909	6,4648037	6,586695667	0,121892	1,088160979	Bud13	
17337677	8,045013	8,088993	8,158988	8,204782	8,094294	8,359608	8,0976647	8,219561333	0,12189667	1,088164499	---	
17252539	4,821906	4,854419	4,939868	4,764238	4,957509	5,260311	4,8720643	4,994019333	0,121955	1,088208498	Camkk1	
17403436	4,484158	4,373328	4,667133	4,556822	4,793163	4,540499	4,5082063	4,630161333	0,121955	1,088208498	Gm17501	
17286808	4,517843	4,066293	4,621749	4,392125	4,640908	4,538748	4,4019617	4,523927	0,12196533	1,088216292	Gm10790	
17489696	4,375074	3,677269	4,34791	4,259583	4,259583	4,247008	4,1334177	4,255391333	0,12197367	1,088222578	---	
17448442	5,806497	5,757309	5,69685	5,647205	5,892473	6,086972	5,753552	5,87555	0,121998	1,088240933	---	
17301886	9,949865	9,815427	9,544495	9,844055	9,854401	9,977335	9,769929	9,891930333	0,12200133	1,088243447	Lpar6	
17222092	5,485871	5,562227	5,52707	5,677103	5,464735	5,799336	5,525056	5,647058	0,122002	1,08824395	---	
17499757	6,733698	6,833165	6,786221	6,842649	6,912807	6,963647	6,7843613	6,906367667	0,12200633	1,088247219	Defa3	
17243402	4,547672	4,54257	4,235538	4,409664	4,66218	4,620008	4,4419267	4,563950667	0,122024	1,088260545	---	
17516028	4,696093	3,780666	4,288032	4,285466	3,768966	5,076496	4,2549303	4,376976	0,12204567	1,088276889	---	
17296336	9,100719	9,224331	9,097373	9,227661	9,378193	9,182739	9,1408077	9,262864333	0,12205667	1,088285187	Ndufs4	
17206543	4,736138	5,46866	5,645964	5,387213	5,417708	5,412065	5,2835873	5,405662	0,12207467	1,088298765	---	
17386694	4,103771	4,22903	3,932789	4,37838	4,262777	3,990666	4,08853	4,210607667	0,12207767	1,088301028	9430019J16Rik	
17321186	4,667595	4,952792	4,914878	5,076057	4,910572	4,914878	4,8450883	4,967169	0,12208067	1,088303291	Olfr287	
17518085	5,557541	5,439107	5,901516	5,806161	5,559399	5,898858	5,6327213	5,754806	0,12208467	1,088306309	Gm7616	
17455249	5,733733	5,168001	5,593438	5,391575	5,628677	5,841177	5,4983907	5,620476333	0,12208567	1,088307063	Gpr12	
17397488	5,036866	4,736362	4,816093	4,944951	4,961098	5,049531	4,863107	4,985193333	0,12208633	1,088307566	---	
17303298	6,373569	6,30095	5,998188	6,393041	6,437427	6,20861	6,2242357	6,346359333	0,12212367	1,088335729	4930555G01Rik	
17408021	5,68636	5,728786	5,666308	5,783543	5,421257	6,243028	5,693818	5,815942667	0,12212467	1,088336483	Hist2h4	
17291019	6,706499	6,885607	6,126001	6,671999	6,749308	6,663254	6,5727023	6,694853667	0,12215133	1,0883566	LOC100862646 // Hist1h4m // Hist1h4b	
17267667	5,048081	5,038965	5,182368	4,992184	5,371166	5,272542	5,0898047	5,211964	0,12215933	1,088362635	Ankfn1	
17411878	4,518695	4,56615	4,153266	4,633634	4,173861	4,797095	4,4127037	4,534863333	0,12215967	1,088362887	---	
17364484	7,762072	7,849512	7,574586	7,862702	7,880706	7,809288	7,7287233	7,850898667	0,12217533	1,088374706	Sorbs1	
17354906	5,605175	5,780761	5,658901	5,8315	5,896526	5,683476	5,6816123	5,803834	0,12222167	1,08840966	Fam38b	
17500548	7,158994	7,197052	7,490727	7,440337	7,406207	7,366926	7,2822577	7,40449	0,12223233	1,088417708	Ppp1r3b	
17207773	7,287062	7,026304	6,969964	7,348082	7,049643	7,252383	7,0944433	7,216702667	0,12225933	1,088438078	---	
17431642	6,369922	6,146922	6,402358	6,423848	6,526115	6,336055	6,3064007	6,428672667	0,122272	1,088447634	Zbtb40	
17318988	9,726597	9,854878	9,907129	9,841852	10,03881	9,974776	9,8295347	9,951812667	0,122278	1,088452161	Tmprss6	
17382092	4,677283	4,304261	4,544113	4,787572	4,436171	4,668812	4,5085523	4,630851667	0,12229933	1,088468256	---	
17512895	5,233141	5,042381	4,952412	5,226054	5,367994	5,000796	5,075978	5,198281333	0,12230333	1,088471274	Il34	
17239268	7,73832	7,81409	7,654949	7,877901	7,901886	7,794549	7,7357863	7,858112	0,12232567	1,088488124	Utrn	
17442060	7,436949	7,392385	7,29004	7,69128	7,448687	7,346385	7,3731247	7,495450667	0,122326	1,088488375	Pptc7	
17330080	8,245319	8,134319	8,240816	8,242791	8,526343	8,218418	8,206818	8,329184	0,122366	1,088518555	Dirc2	
17485389	7,22263	6,947206	7,122674	7,171397	7,208053	7,280196	7,0975033	7,219882	0,12237867	1,088528112	Shank2	
17451462	7,325498	7,23858	7,315644	7,444294	7,49876	7,303819	7,2932407	7,415624333	0,12238367	1,088531885	Ssh1	
17494708	5,199916	4,202058	3,960657	4,652605	4,286581	4,790607	4,4542103	4,576597667	0,12238733	1,088534651	Olfr706	
17219182	6,249861	6,32776	6,67802	6,399798	6,626212	6,596816	6,418547	6,540942	0,122395	1,088540436	Nos1ap	
17242612	4,543649	4,443242	4,571935	4,721296	4,760449	4,444345	4,5196087	4,64203	0,12242133	1,088560305	Theg	
17358889	4,119234	4,505353	4,496588	4,336674	4,792392	4,359379	4,373725	4,496148333	0,12242333	1,088561814	Gm19263	
17210011	5,565561	5,311703	5,246675	5,586308	5,622118	5,282785	5,3746463	5,497070333	0,122424	1,088562317	---	
17455631	4,776528	4,739764	4,451445	5,029566	4,65937	4,646107	4,6559123	4,778347667	0,12243533	1,088570868	E330014E10Rik	
17210161	3,864321	3,512435	3,947446	4,247442	3,570902	3,873182	3,774734	3,897175333	0,12244133	1,088575396	---	
17518962	8,897882	9,070977	8,989406	9,110485	9,233192	8,981912	8,9860883	9,108529667	0,12244133	1,088575396	Anxa2	
17286532	4,544848	4,451944	4,812911	4,637658	4,977801	4,561577	4,6032343	4,725678667	0,12244433	1,088577659	4933417A18Rik	
17504444	7,938987	7,834866	7,892213	8,085028	8,021952	7,926432	7,8886887	8,011137333	0,12244867	1,088580929	Cmtm3	
17281908	9,077519	8,944386	8,84741	9,094028	9,092585	9,050112	8,9564383	9,078908333	0,12247	1,088597026	Tmem30b	
17420951	6,903769	7,126896	6,790543	7,13017	7,062242	6,996308	6,9404027	7,062906667	0,122504	1,088622681	Mfap2	
17206579	4,611299	4,473695	4,864268	4,830178	4,51296	4,973688	4,649754	4,772275333	0,12252133	1,088635761	---	
17231662	8,984089	9,153622	9,089584	9,034383	9,18309	9,377468	9,075765	9,198313667	0,12254867	1,088656386	Fbxo30	
17360308	3,673045	3,529536	3,969373	3,9318	3,666402	3,941545	3,7239847	3,846582333	0,12259767	1,088693362	1700054A03Rik	
17206127	5,033404	4,80714	4,687337	4,391096	5,677307	4,827296	4,842627	4,965233	0,122606	1,088699651	---	
17300147	3,82574	4,022852	4,152936	4,109378	4,037123	4,222896	4,0005093	4,123132333	0,122623	1,08871248	---	
17440328	3,608719	3,542137	3,935913	3,609787	4,45405	3,390831	3,6955897	3,818222667	0,122633	1,088720026	Vmn2r16	
17346369	5,139216	5,005467	5,066267	5,361238	4,93137	5,286249	5,0703167	5,192952333	0,12263567	1,088722038	Acsbg2	
17442486	5,744073	5,917418	5,910202	6,139109	5,969313	5,831227	5,857231	5,979883	0,122652	1,088734364	---	
17346136	8,287282	8,146467	8,222688	8,212635	8,319602	8,492165	8,2188123	8,341467333	0,122655	1,088736628	Plin5	
17429097	5,888748	6,027645	5,892971	6,114209	6,124563	5,938564	5,9364547	6,059112	0,12265733	1,088738389	Szt2	
17548221	9,938143	10,06854	9,936075	10,10645	10,11463	10,08967	9,9809193	10,10358333	0,122664	1,08874342	Spcs2 // Spcs2	
17428853	9,692363	9,420358	9,427359	9,615517	9,779482	9,513112	9,51336	9,636037	0,122677	1,088753231	---	
17446793	5,783552	5,715537	5,829127	5,723094	5,913315	6,059858	5,776072	5,898755667	0,12268367	1,088758262	Slc5a6	
17487789	5,821991	5,654162	6,128722	5,97474	5,877863	6,120353	5,8682917	5,990985333	0,12269367	1,088765809	Gm4881	
17473779	6,493505	6,400875	6,74315	6,486397	6,753756	6,765499	6,5458433	6,668550667	0,12270733	1,088776123	Zfp128	
17449456	8,807618	8,74143	8,804739	8,837019	8,988137	8,89683	8,7845957	8,907328667	0,122733	1,088795493	Grsf1	
17320100	5,084851	5,059043	5,273595	5,203324	5,339085	5,243384	5,139163	5,261931	0,122768	1,088821908	Pkdrej	
17512209	3,157174	3,04038	3,332512	3,320565	3,254061	3,32382	3,1766887	3,299482	0,12279333	1,088841027	Cmtm1	
17467522	5,274176	4,773557	5,743357	5,64967	5,290594	5,219255	5,2636967	5,386506333	0,12280967	1,088853355	---	
17239656	4,15192	4,074316	3,897218	4,007671	4,306759	4,177508	4,0411513	4,163979333	0,122828	1,088867191	---	
17346707	4,834822	4,643358	4,786765	4,849732	5,028096	4,755706	4,7549817	4,877844667	0,122863	1,088893608	4930583I09Rik	
17226888	5,656878	5,655617	5,508173	5,80922	5,834887	5,545246	5,6068893	5,729784333	0,122895	1,088917761	Dstyk	
17357083	4,774345	5,068645	5,267692	5,147192	5,053409	5,278767	5,036894	5,159789333	0,12289533	1,088918012	Hrasls5	
17202087	4,682751	3,578254	4,951468	5,17106	4,023869	4,386374	4,4041577	4,527101	0,12294333	1,088954242	---	
17217848	4,4505	4,842858	4,683344	4,949006	4,65903	4,737573	4,6589007	4,781869667	0,122969	1,088973616	Atp6v1g3	
17337276	6,688502	6,504119	6,512085	6,654823	6,707362	6,711434	6,5682353	6,691206333	0,122971	1,088975125	Ppp1r18	
17332454	4,80335	4,791312	5,27318	5,0746	5,293509	4,868658	4,9559473	5,078922333	0,122975	1,088978145	Wrb	
17430775	4,301447	4,052095	4,16966	4,403575	4,309326	4,179237	4,1744007	4,297379333	0,12297867	1,088980912	Rps15a-ps4	
17324774	8,925888	9,08637	8,902937	9,081252	9,071333	9,131556	8,9717317	9,094713667	0,122982	1,088983428	Ubxn7	
17205761	6,862098	6,778788	6,847764	6,942851	7,02508	6,889756	6,82955	6,952562333	0,12301233	1,089006325	---	
17393859	6,175002	5,927112	5,989128	6,05757	6,068776	6,333937	6,030414	6,153427667	0,12301367	1,089007331	Gm826	
17360348	6,677209	6,41047	6,597232	6,682722	6,797806	6,573447	6,561637	6,684658333	0,12302133	1,089013119	Dusp5	
17355145	6,171391	6,873682	6,037838	7,008587	6,370188	6,073256	6,3609703	6,484010333	0,12304	1,089027209	Mppe1	
17314549	6,612278	6,440876	6,505652	6,730316	6,715644	6,482002	6,519602	6,642654	0,123052	1,089036267	Rapgef3	
17267057	6,251487	6,5422	6,73203	6,562155	6,542239	6,790499	6,5085723	6,631631	0,12305867	1,0890413	Mrm1	
17430222	5,747656	5,073833	5,556318	5,497603	5,583838	5,665572	5,459269	5,582337667	0,12306867	1,089048849	Gjb4	
17357545	9,956165	9,901402	9,736721	10,04556	10,02309	9,894851	9,8647627	9,987833667	0,123071	1,08905061	---	

17464261	3,744872	3,859212	3,794208	4,102835	3,870141	3,79462	3,7994307	3,922532	0,12310133	1,089073508	---	
17513185	6,605138	6,685287	6,539019	6,644629	6,879063	6,675119	6,6098147	6,732937	0,12312233	1,089089361	Tmem231	
17305742	4,640764	4,490749	4,73877	4,911782	4,711134	4,616755	4,6234277	4,746557	0,12312933	1,089094645	Gm10371	
17268210	6,024932	6,264587	6,161636	6,059174	6,456597	6,304808	6,150385	6,273526333	0,12314133	1,089103704	Ngfr	
17265672	7,431569	7,53094	7,548705	7,521848	7,616716	7,742172	7,503738	7,626912	0,123174	1,089128365	Spns2	
17201821	5,852428	5,868411	5,27257	5,950315	6,028793	5,383908	5,6644697	5,787672	0,12320233	1,089149754	---	
17201997	5,852428	5,868411	5,27257	5,950315	6,028793	5,383908	5,6644697	5,787672	0,12320233	1,089149754	---	
17405676	6,888054	5,781157	6,12436	6,267233	6,76184	6,134152	6,2645237	6,387741667	0,123218	1,089161582	---	
17534337	5,510315	5,080626	5,516716	5,302534	6,052301	5,122543	5,369219	5,492459333	0,12324033	1,089178443	Atp1b4	
17427092	3,201437	3,334706	3,152286	3,336076	3,470638	3,251439	3,2294763	3,352717667	0,12324133	1,089179197	Ifna13	
17511825	9,474066	9,509028	9,547115	9,695053	9,670773	9,534138	9,5100697	9,633321333	0,12325167	1,089186999	Nudt21	
17223666	8,638194	8,642042	8,589429	8,849411	8,683493	8,706591	8,6232217	8,746498333	0,12327667	1,089205873	Ino80d	
17313147	7,227716	7,395039	7,503446	7,362689	7,75012	7,383249	7,3754003	7,498686	0,12328567	1,089212668	Grap2	
17206709	5,076089	4,271328	4,793386	4,847677	4,384017	5,278984	4,713601	4,836892667	0,12329167	1,089217198	---	
17491163	4,314079	4,502334	4,503295	4,58494	4,51522	4,589437	4,4399027	4,563199	0,12329633	1,089220721	Tph1	
17457700	4,33482	4,165557	4,438361	4,545877	4,74478	4,01798	4,3129127	4,436212333	0,12329967	1,089223238	---	
17514928	3,248763	3,242066	3,305501	3,550632	3,361599	3,254073	3,2654433	3,388768	0,12332467	1,089242113	Olfr849	
17243955	4,378517	3,970648	4,361309	4,591704	4,454851	4,034025	4,2368247	4,360193333	0,12336867	1,089275333	Gm4925	
17321620	7,346996	7,859435	7,333045	7,687423	7,409899	7,81226	7,5131587	7,636527333	0,12336867	1,089275333	Smarcd1 // Smarcd1	
17254984	5,673095	5,631731	5,642448	5,832647	5,669704	5,815111	5,6490913	5,772487333	0,123396	1,089295971	C030037D09Rik	
17516282	3,229007	3,074935	3,018216	3,315557	3,394287	2,98251	3,107386	3,230784667	0,12339867	1,089297985	Olfr967	
17493875	6,466872	6,359209	6,419799	6,675328	6,709226	6,231713	6,4152933	6,538755667	0,12346233	1,089346057	P2ry2	
17490939	4,536431	4,307259	4,109214	4,322764	4,498629	4,501901	4,3176347	4,441098	0,12346333	1,089346812	Sult2b1	
17260855	6,834018	6,8115	6,515513	6,860634	6,80387	6,86692	6,7203437	6,843808	0,12346433	1,089347567	Cep68	
17207945	3,19135	3,039745	3,329778	3,281096	3,453426	3,196744	3,1869577	3,310422	0,12346433	1,089347567	---	
17279548	4,225547	4,230626	4,310812	4,532116	4,391471	4,214008	4,2556617	4,379198333	0,12353667	1,089402186	---	
17324756	4,185793	4,092841	4,203158	4,182099	4,446147	4,224157	4,1605973	4,284134333	0,123537	1,089402437	2310010M20Rik	
17442464	5,859971	6,205624	6,126865	6,21774	6,139832	6,20559	6,0641533	6,187720667	0,12356733	1,089425343	Ogfod2	
17513986	4,368831	4,25933	4,246665	4,485405	4,361314	4,398826	4,2916087	4,415181667	0,123573	1,089429622	---	
17239664	9,519472	9,403358	9,303388	9,494898	9,53129	9,570763	9,4087393	9,532317	0,12357767	1,089433146	Myb	
17446482	6,10154	6,10501	5,912787	6,273446	5,992798	6,223852	6,039779	6,163365333	0,12358633	1,08943969	Gm10220	
17201559	4,941016	4,972799	5,573476	5,231525	5,187942	5,438586	5,1624303	5,286017667	0,12358733	1,089440445	---	
17458105	3,786588	3,651783	3,780635	3,721237	4,012346	3,856284	3,7396687	3,863289	0,12362033	1,089465365	---	
17316735	3,651848	3,809945	3,533278	4,254042	3,335795	3,776145	3,6650237	3,788660667	0,123637	1,089477952	---	
17465210	6,644732	6,526861	7,095082	7,071742	6,711482	6,854454	6,7555583	6,879226	0,12366767	1,08950111	---	
17444100	6,3022	6,726991	6,605463	6,433122	6,84189	6,730655	6,5448847	6,668555667	0,123671	1,089503628	Chst12	
17430657	5,720931	5,709965	5,470137	5,676677	5,857762	5,737626	5,6336777	5,757355	0,12367733	1,08950841	---	
17500832	6,990538	7,098191	7,235626	7,191319	7,28279	7,221318	7,1081183	7,231809	0,12369067	1,08951848	Fat1	
17414268	4,604611	4,428826	4,680702	4,672078	4,709969	4,703397	4,5713797	4,695148	0,12376833	1,089577135	---	
17222106	8,482161	8,495644	8,398517	8,570595	8,706443	8,470589	8,458774	8,582542333	0,12376833	1,089577135	Uggt1	
17458944	5,090753	4,706479	5,127073	5,180418	4,944361	5,170925	4,9747683	5,098568	0,12379967	1,089600799	Vmn1r10	
17528692	6,877797	6,918997	6,793595	6,967783	6,988497	7,005531	6,863463	6,987270333	0,12380733	1,08960659	Cgnl1	
17222524	4,16112	4,304407	4,441854	4,432426	4,519754	4,326625	4,3024603	4,426268333	0,123808	1,089607093	---	
17494189	4,551199	4,279409	4,414776	4,797834	4,301167	4,517861	4,415128	4,538954	0,123826	1,089620688	Olfr622	
17318770	4,414104	4,442665	4,399886	5,118582	4,38581	4,12377	4,418885	4,542720667	0,12383567	1,089627989	---	
17431820	5,28172	5,145298	5,22433	5,450899	5,34503	5,226944	5,217116	5,340957667	0,12384167	1,08963252	Pla2g5	
17447897	5,793026	5,98527	6,327561	6,113738	6,194021	6,169674	6,0352857	6,159144333	0,12385867	1,08964536	Gm3364	
17534178	6,38181	5,67191	5,786296	6,378418	5,724875	6,108311	5,946672	6,070534667	0,12386267	1,089648381	Rhox4e // Rhox4e	
17478222	5,407531	5,546931	5,528407	5,543974	5,477736	5,832759	5,4942897	5,618156333	0,12386667	1,089651402	Gm5331	
17482128	5,39807	5,065509	5,276218	5,419662	5,448622	5,243359	5,246599	5,370547667	0,12394867	1,089713338	4930583K01Rik	
17334983	6,063692	5,46859	6,035524	6,154749	5,645288	6,139621	5,8559353	5,979886	0,12395067	1,089714848	Kifc5b	
17353699	6,947947	6,805138	7,061546	6,927267	7,272287	6,986954	6,9382103	7,062169333	0,123959	1,089721143	Hbegf	
17549918	4,035277	3,906766	4,244716	3,831737	4,339206	4,387709	4,062253	4,186217333	0,12396433	1,089725171	---	
17496800	11,0829	10,88387	10,95213	11,02064	11,25061	11,0196	10,972967	11,09695	0,12398333	1,089739523	Vkorc1	
17301378	7,648107	7,412401	7,805383	7,906569	7,722386	7,608897	7,6219637	7,745950667	0,123987	1,089742293	Zfp395	
17252407	7,741065	8,071508	7,522274	7,98932	7,725326	7,992193	7,7782823	7,902279667	0,12399733	1,089750098	---	
17534591	4,277565	4,513212	4,443655	4,567149	4,378139	4,66114	4,4114773	4,535476	0,12399867	1,089751105	---	
17392652	5,920364	5,911458	6,122237	6,284123	6,235327	5,80669	5,9846863	6,108713333	0,124027	1,089772507	3300002I08Rik	
17208667	3,189692	3,897973	2,939525	3,340138	3,270892	3,788274	3,3423967	3,466434667	0,124038	1,089780816	---	
17399033	8,898015	9,034737	8,934519	9,03285	9,245149	8,96147	8,955757	9,079823	0,124066	1,089801967	0610031J06Rik	
17489399	7,632054	7,454598	7,140869	7,50338	7,459774	7,636622	7,4091737	7,533258667	0,124085	1,08981632	Fxyd5	
17476872	9,116096	9,165136	9,073826	8,980556	9,373954	9,372855	9,1183527	9,242455	0,12410233	1,089829413	1600014C10Rik	
17475523	5,431159	5,698855	5,535346	5,63591	5,854537	5,54733	5,55512	5,679259	0,124139	1,089857112	BC024978 // BC024978	
17205945	2,63082	2,933528	3,019863	3,486895	2,748615	2,721135	2,8614037	2,985548333	0,12414467	1,089861393	---	
17545865	6,871528	6,868488	7,135465	7,112407	7,12024	7,015408	6,9584937	7,082685	0,12419133	1,089896647	Txlng	
17264996	5,97377	5,830188	5,867929	6,037125	6,009789	5,997567	5,890629	6,014827	0,124198	1,089901683	Tnk1	
17489514	3,126934	3,236377	3,421878	3,350343	3,622098	3,185368	3,2617297	3,385936333	0,12420667	1,089908231	---	
17548115	6,32971	6,380202	6,403461	6,418312	6,598706	6,469028	6,3711243	6,495348667	0,12422433	1,089921578	LOC100861931	
17482272	10,20107	10,10215	10,01212	10,18421	10,24999	10,25383	10,105113	10,22934333	0,12423	1,089925859	Acsm1	
17525471	3,467669	3,356526	3,376651	3,467469	3,713794	3,392367	3,400282	3,524543333	0,12426133	1,08994953	Gm3434	
17201705	4,071479	4,48234	4,795758	4,259188	4,640143	4,823079	4,449859	4,574136667	0,12427767	1,08996187	---	
17201881	4,071479	4,48234	4,795758	4,259188	4,640143	4,823079	4,449859	4,574136667	0,12427767	1,08996187	---	
17549930	4,904137	4,88266	5,07038	5,056419	4,818704	5,354911	4,9523923	5,076678	0,12428567	1,089967914	---	
17395701	10,20031	10,21912	10,02615	10,19062	10,41927	10,20859	10,148527	10,27282667	0,1243	1,089978743	---	
17435957	5,371939	5,326845	5,188746	5,539876	5,410518	5,310078	5,2958433	5,420157333	0,124314	1,089989321	Tcf23	
17257060	9,927373	10,05373	9,818212	9,985078	10,20661	9,980605	9,933105	10,057431	0,124326	1,089998387	---	
17325132	5,627752	5,760257	5,822824	5,723077	5,86298	5,997756	5,7369443	5,861271	0,12432667	1,089998891	---	
17210345	4,276527	4,751478	4,573638	5,257246	4,424726	4,29268	4,533881	4,658217333	0,12433633	1,090006194	---	
17459321	3,628987	3,15748	3,368931	3,801233	3,274664	3,452524	3,3851327	3,509473667	0,124341	1,09000972	---	
17206975	4,211991	4,445112	4,507731	4,670472	4,775733	4,091681	4,388278	4,512628667	0,12435067	1,090017023	---	
17420447	5,554815	5,454358	5,522364	5,734895	5,620134	5,549601	5,5105123	5,634876667	0,12436433	1,090027349	Sh2d5	
17373222	9,36845	9,518606	9,165904	9,480757	9,459133	9,486187	9,3509867	9,475359	0,12437233	1,090033394	Acp2	
17528053	7,44655	7,522862	7,359747	7,681555	7,483346	7,537445	7,443053	7,567448667	0,12439567	1,090051023	Map2k5	
17480777	7,734279	7,614196	7,720398	7,894854	7,715682	7,83153	7,6896243	7,814022	0,12439767	1,090052535	Fam168a	
17427494	8,293086	8,34896	8,115635	8,443474	8,361563	8,325856	8,2525603	8,376964333	0,124404	1,09005732	Dock7	
17407086	6,937376	6,464152	6,795519	6,935604	6,836736	6,79807	6,732349	6,856803333	0,12445433	1,090095351	Lenep	
17470616	5,996286	5,870057	5,968813	5,996849	6,198941	6,012752	5,945052	6,069514	0,124462	1,090101144	C3ar1	
17437765	10,21269	9,977999	10,10174	10,25602	10,28226	10,12755	10,097476	10,22194333	0,124467	1,090104922	Klb	
17206905	6,657542	7,283076	7,123161	7,292155	7,374828	6,770277	7,0212597	7,145753333	0,12449367	1,090125071	---	
17315683	3,859156	3,916529	3,75709	3,969957	4,028369	3,907969	3,8442583	3,968765	0,12450667	1,090134894	---	
17424293	6,652711	6,953172	6,674604	6,85972	7,007196	6,787093	6,7601623	6,884669667	0,12450733	1,090135398	2810432D09Rik	
17412166	8,287836	8,20253	8,360542	8,569406	8,367924	8,287104	8,283636	8,408144667	0,12450867	1,090136406	Sfrs18	
17347898	3,911079	3,919621	3,832892	4,144953	3,911079	3,981126	3,887864	4,012386	0,124522	1,090146481	C330024C12Rik	
17475989	6,298429	6,340658	6,331336	6,909415	6,431671	6,002974	6,3234743	6,44802	0,12454567	1,090164364	Lgals4	
17479479	4,720275	4,476435	5,119206	5,226912	4,580404	4,882248	4,771972	4,896521333	0,12454933	1,090167135	Ap3s2 // Ap3s2	
17440377	4,911441	4,988348	4,87928	5,007924	5,035347	5,109475	4,9263563	5,050915333	0,124559	1,090174439	Zfp605	
17203125	5,441173	4,519136	4,857691	4,986009	5,029215	5,176485	4,9393333	5,063903	0,12456967	1,09018225	---	
17314476	4,52547	4,629054	4,710007	4,588773	4,946339	4,703132	4,6215103	4,746081333	0,124571	1,090183507	Tmem117	
17529640	3,95532	4,090645	4,345631	4,40891	4,40891	3,947565	4,130532	4,255128333	0,12459633	1,090202651	Ankrd34c	
17460915	5,852611	5,87015	6,191017	6,05789	6,207327	6,022382	5,9712593	6,095866333	0,124607	1,090210711	1810044D09Rik	
17439662	5,539527	5,580194	5,811156	5,583489	5,989319	5,73194	5,6436257	5,768249333	0,12462367	1,090223306	---	
17548016	4,79611	5,027966	4,942495	5,130336	4,868652	5,141464	4,9221903	5,046817333	0,124627	1,090225825	LOC100505091	
17439159	6,592121	6,546649	6,161573	6,714939	6,417457	6,541923	6,4334477	6,558106333	0,12465867	1,090249755	---	
17485275	4,47396	4,271202	4,36411	4,51236	4,543358	4,427534	4,3697573	4,494417333	0,12466	1,090250763	---	
17387714	3,07823	3,226817	3,047793	3,238832	3,33391	3,154109	3,1176133	3,242283667	0,12467033	1,090258572	---	
17265282	5,302369	5,496135	5,480143	5,663155	5,639576	5,349937	5,4262157	5,550889333	0,12467367	1,090261091	---	
17529043	4,000185	4,038213	4,290216	4,234766	4,426515	4,041468	4,109538	4,234249667	0,12471167	1,090289808	---	
17541089	2,864984	3,136993	3,19532	3,331296	3,123616	3,11672	3,0657657	3,190544	0,12477833	1,090340192	---	
17492943	5,81025	5,521921	5,499796	5,540918	5,859669	5,805794	5,6106557	5,735460333	0,12480467	1,090360094	Mesdc1	
17488292	8,800472	8,922673	8,796202	8,923708	9,065549	8,904527	8,8397823	8,964594667	0,12481233	1,090365888	Pld3	
17322997	6,895571	6,917098	6,769105	6,9993	7,034895	6,922142	6,8605913	6,985445667	0,12485433	1,090397631	Ercc4	
17291226	3,880906	3,842289	4,060116	3,951752	4,165602	4,040601	3,9277703	4,052651667	0,12488133	1,090418038	---	
17233237	4,281626	4,346522	4,250642	4,475619	4,477573	4,300285	4,29293	4,417825667	0,12489567	1,090428872	Rfx6	
17405504	3,325796	3,053024	3,389563	3,520195	3,437263	3,185623	3,2561277	3,381027	0,12489933	1,090431643	---	
17515515	5,439758	5,439376	5,709737	5,652654	5,610449	5,700515	5,5296237	5,654539333	0,12491567	1,090443988	---	
17304740	8,892974	8,715803	8,911429	8,893527	9,010097	8,991436	8,8400687	8,96502	0,12495133	1,090470947	Sh3bp5	
17497883	3,271123	3,173038	3,187798	3,247855	3,24094	3,518031	3,2106553	3,335608667	0,12495567	1,090474222	---	
17450091	6,856142	6,820416	6,883503	6,940319	6,937643	7,056988	6,8533537	6,978316667	0,124963	1,090479765	5430416N02Rik	
17263925	5,335643	5,169075	5,531271	5,498874	5,433106	5,478899	5,3453297	5,470293	0,12496333	1,090480017	A530017D24Rik	
17520976	3,828437	3,894692	3,956642	3,986008	4,075662	3,992994	3,893257	4,018221333	0,12496433	1,090480773	Tmem108 // Tmem108	
17242842	9,721696	9,822321	9,94532	10,01839	9,942786	9,90306	9,829779	9,954745333	0,12496633	1,090482285	Gamt	
17466428	4,472176	4,522584	4,590271	4,729578	4,507283	4,723073	4,5283437	4,653311333	0,12496767	1,090483293	Fam115e	
17510498	7,762036	7,899965	7,622762	7,914265	7,915002	7,830452	7,7615877	7,886573	0,12498533	1,090496646	Eps15l1	
17405208	5,573887	5,293326	5,713694	5,645115	5,546602	5,764173	5,526969	5,651963333	0,12499433	1,090503449	Frem2	
17235826	6,276811	6,324807	6,543411	6,617011	6,376874	6,526128	6,3816763	6,506671	0,12499467	1,090503701	Zfp433	
17206253	4,776756	4,872708	5,758302	5,208052	5,701198	4,87353	5,135922	5,260926667	0,12500467	1,09051126	---	
17545121	4,865539	4,93764	4,624	4,803379	4,889021	5,109805	4,8090597	4,934068333	0,12500867	1,090514284	Dcx	
17228751	8,073578	8,265814	8,112666	8,332184	8,137827	8,357156	8,150686	8,275722333	0,12503633	1,090535197	Rabgap1l	
17247023	7,675889	7,725078	7,487405	7,861006	7,750792	7,651802	7,6294573	7,754533333	0,125076	1,090565181	Dbnl	
17509891	5,912402	5,878721	5,999741	6,044469	6,113632	6,007999	5,930288	6,055366667	0,12507867	1,090567197	Yjefn3	
17344343	4,393776	4,449356	4,614655	4,752258	4,447666	4,633374	4,485929	4,611099333	0,12517033	1,090636492	Gm9573	
17370145	7,674934	7,612662	7,53626	7,722705	7,797794	7,6789	7,607952	7,733133	0,125181	1,090644556	Cep110	
17330463	5,018483	4,79761	4,78756	4,960862	4,995344	5,022994	4,8678843	4,993066667	0,12518233	1,090645564	Gm19522	
17342940	5,504482	5,276218	5,492262	5,500462	5,61575	5,532358	5,4243207	5,549523333	0,12520267	1,090660936	Pnpla1	

17202575	7,417063	7,342649	6,763268	7,280656	7,387478	7,230519	7,1743267	7,299551	0,12522433	1,090677315	---	
17357533	11,31804	11,49882	11,55843	11,5827	11,65923	11,50908	11,45843	11,58367	0,12524	1,09068916	---	
17504682	5,44352	5,399596	5,374009	5,394622	5,582989	5,615282	5,4057083	5,530964333	0,125256	1,090701256	Fbxl8	
17303400	10,56348	10,27961	10,20589	10,31997	10,57154	10,53325	10,34966	10,47492	0,12526	1,09070428	Pdhb	
17503429	4,504818	4,289478	4,436423	4,48962	4,609605	4,507275	4,4102397	4,5355	0,12526033	1,090704532	Olfr371	
17289602	7,207929	7,500725	7,289416	7,528932	7,53681	7,30813	7,33269	7,457957333	0,12526733	1,090709824	Adamts6	
17254614	6,018168	6,121424	5,877327	6,501639	5,779352	6,111859	6,0056397	6,13095	0,12531033	1,090742333	---	
17303267	6,663916	6,456097	6,242137	6,911265	6,536618	6,290234	6,45405	6,579372333	0,12532233	1,090751406	Gm10413	
17447646	7,38421	7,361215	7,420588	7,596655	7,581973	7,363363	7,388671	7,513997	0,125326	1,090754178	Slc2a9	
17240001	3,625698	3,603909	3,717275	3,853118	3,908746	3,561067	3,6489607	3,774310333	0,12534967	1,090772072	6330407J23Rik	
17396024	5,695496	5,562214	5,793663	5,713622	5,776047	5,937756	5,683791	5,809141667	0,12535067	1,090772828	Stmn2	
17341069	6,754529	6,676547	6,820038	6,780972	6,986588	6,859676	6,7503713	6,875745333	0,125374	1,090790469	Dact2	
17201597	5,872537	5,222065	5,629705	5,765104	5,785233	5,550117	5,574769	5,700151333	0,12538233	1,09079677	---	
17216525	4,407532	5,071491	4,814	4,74478	5,04845	4,875951	4,764341	4,889727	0,125386	1,090799542	---	
17271741	3,881703	4,018129	3,723673	3,903918	4,063767	4,032043	3,8745017	3,999909333	0,12540767	1,090815924	---	
17276302	6,183582	6,543388	6,378799	6,356049	6,747242	6,378799	6,3685897	6,49403	0,12544033	1,090840624	Prkch	
17206483	8,873578	9,450921	9,166077	9,269381	9,164524	9,433041	9,1635253	9,288982	0,12545667	1,090852974	---	
17251358	5,287975	5,113793	5,148894	5,304165	5,383505	5,239371	5,183554	5,309013667	0,12545967	1,090855242	Ccdc42	
17206677	4,657845	5,296063	4,813785	5,497951	4,52988	5,116253	4,9225643	5,048028	0,12546367	1,090858266	---	
17292612	7,170699	7,035176	6,944724	7,084495	7,297613	7,144915	7,0501997	7,175674333	0,12547467	1,090866584	Auh	
17206189	5,195194	5,264374	5,368492	5,524439	5,517034	5,163016	5,27602	5,401496333	0,12547633	1,090867844	---	
17318162	6,553322	6,492849	6,649997	6,623022	6,825094	6,624486	6,5653893	6,690867333	0,125478	1,090869104	Zc3h3	
17501301	3,712234	3,84392	4,177349	3,887118	4,105137	4,117734	3,9111677	4,036663	0,12549533	1,090882211	Gm19269 // Gm19269	
17261726	5,630078	5,389578	5,358695	5,685871	5,440876	5,628096	5,4594503	5,584947667	0,12549733	1,090883723	Fbll1	
17251875	6,246332	6,147575	6,387857	6,249252	6,488798	6,420218	6,260588	6,386089333	0,12550133	1,090886748	Dvl2	
17435934	9,190023	9,192523	8,899301	9,164639	9,235572	9,258224	9,093949	9,219478333	0,12552933	1,09090792	Khk	
17296827	7,003099	6,760876	6,368948	7,074722	6,751583	6,683207	6,7109743	6,836504	0,12552967	1,090908172	Gm10413	
17233775	5,296012	4,994432	5,153478	5,386442	5,204587	5,229561	5,147974	5,27353	0,125556	1,090928084	Tacr2	
17340389	4,194575	4,138026	4,052739	4,123313	4,296365	4,342358	4,1284467	4,254012	0,12556533	1,090935142	4930480K15Rik	
17475212	9,184103	8,688326	9,084867	9,106183	8,919425	9,308389	8,9857653	9,111332333	0,125567	1,090936402	---	
17333237	5,249312	5,135006	5,046219	5,124628	5,475493	5,207123	5,1435123	5,269081333	0,125569	1,090937915	Map3k4 // Map3k4	
17352112	7,070577	7,183698	7,195048	7,198189	7,436165	7,191683	7,1497743	7,275345667	0,12557133	1,090939679	---	
17547998	7,194859	7,474468	7,358465	7,352249	7,568814	7,483555	7,3425973	7,468206	0,12560867	1,09096791	Rab11b // Rab11b	
17515786	6,260134	6,252808	6,084401	6,416782	6,261576	6,295856	6,1991143	6,324738	0,12562367	1,090979253	Arhgap32	
17511196	10,47293	10,18738	10,23839	10,36343	10,47917	10,43299	10,299567	10,42519667	0,12563	1,090984043	Gcdh	
17353574	5,561615	4,631743	5,20019	5,590379	5,092358	5,087814	5,1311827	5,256850333	0,12566767	1,091012527	---	
17408997	5,899161	5,965573	6,034814	6,337462	5,812862	6,126307	5,966516	6,092210333	0,12569433	1,091032693	---	
17445673	6,975618	6,767231	6,550556	7,025451	6,788042	6,857119	6,7644683	6,890204	0,12573567	1,091063952	Speer4e	
17248086	3,863948	3,843123	3,915559	3,913228	3,987678	4,098984	3,87421	3,999963333	0,12575333	1,091077313	1700034F02Rik	
17205271	4,312514	4,671485	4,631964	4,57854	4,790608	4,624108	4,5386543	4,664418667	0,12576433	1,091085632	---	
17209461	4,312514	4,671485	4,631964	4,57854	4,790608	4,624108	4,5386543	4,664418667	0,12576433	1,091085632	---	
17424201	6,244221	6,500968	6,249275	6,32168	6,669706	6,380588	6,331488	6,457324667	0,12583667	1,091140338	---	
17485424	5,358558	5,479819	5,586406	5,517502	5,712951	5,571905	5,4749277	5,600786	0,12585833	1,091156725	---	
17529449	7,527696	7,701431	7,619687	7,790073	7,691788	7,744545	7,6162713	7,742135333	0,125864	1,091161011	4922501C03Rik	
17231604	3,86581	3,805097	4,165556	3,884686	4,177368	4,152016	3,9454877	4,071356667	0,125869	1,091164792	---	
17350677	4,112852	4,139964	4,135756	4,16011	4,357101	4,248993	4,129524	4,255401333	0,12587733	1,091171095	9330117O12	
17202409	4,554629	4,30732	4,033009	4,19591	4,480456	4,596289	4,2983193	4,424218333	0,125899	1,091187483	---	
17309557	4,751139	4,563435	4,67214	4,742521	4,765563	4,856394	4,662238	4,788159333	0,12592133	1,091204375	Slc15a1	
17229412	4,779315	4,932229	4,812297	4,943921	4,935868	5,021831	4,8412803	4,967206667	0,12592633	1,091208157	Lrrc52	
17399891	3,372625	3,468263	3,682279	3,526527	3,680299	3,694177	3,5077223	3,633667667	0,12594533	1,091222528	Sprr2j-ps	
17203077	7,788154	7,426416	7,452731	7,617756	7,50351	7,923903	7,555767	7,681723	0,125956	1,091230596	---	
17412067	8,081117	8,138795	7,866385	8,274096	7,961704	8,228398	8,0287657	8,154732667	0,125967	1,091238916	Fam82b	
17491323	8,295172	8,26697	8,196163	8,504723	8,43839	8,193131	8,2527683	8,378748	0,12597967	1,091248497	Mrgpra2a	
17366451	8,181202	8,362169	8,292772	8,41209	8,48498	8,31705	8,2787143	8,404706667	0,12599233	1,091258078	Frmd4a	
17357851	3,417392	3,273928	3,33182	3,462443	3,484742	3,453944	3,3410467	3,467043	0,12599633	1,091261104	Olfr1442	
17205035	4,604857	5,453795	4,382093	4,493513	4,810373	5,514859	4,8135817	4,939581667	0,126	1,091263877	---	
17209225	4,604857	5,453795	4,382093	4,493513	4,810373	5,514859	4,8135817	4,939581667	0,126	1,091263877	---	
17549184	3,926982	4,068163	4,022563	4,122929	4,216527	4,056317	4,0059027	4,131924333	0,12602167	1,091280266	---	
17330407	5,424768	6,271741	6,030253	5,944668	6,045188	6,11501	5,9089207	6,034955333	0,12603467	1,091290099	Tmem39a // Tmem39a	
17214421	8,303192	8,384932	8,53886	8,628435	8,40995	8,566732	8,4089947	8,535039	0,12604433	1,091297412	Zfand2b	
17393755	5,461678	5,430296	5,459991	5,540234	5,608923	5,58119	5,450655	5,576782333	0,12612733	1,091360197	Blcap	
17315677	4,88158	4,870405	5,229895	5,334162	5,063836	4,962265	4,99396	5,120087667	0,12612767	1,091360449	BC037032	
17206309	2,992978	3,280841	3,018689	3,033404	3,240187	3,397315	3,0975027	3,223635333	0,12613267	1,091364232	---	
17317925	5,032298	4,72542	4,990215	5,037723	5,175663	4,913	4,9159777	5,042128667	0,126151	1,0913781	Gm628	
17237079	5,035132	5,208754	5,421657	5,496282	5,255097	5,292624	5,2218477	5,348001	0,12615333	1,091379866	Gm15663 // Gm15663	
17302161	8,562217	8,54072	8,333417	8,592753	8,635049	8,587019	8,4787847	8,604940333	0,12615567	1,091381631	1300010F03Rik	
17404200	5,559864	5,724523	5,258461	5,484114	5,625985	5,811226	5,5142827	5,640441667	0,126159	1,091384152	Sirpb1a	
17457297	8,044098	8,261906	8,232307	8,274673	8,399078	8,243042	8,179437	8,305597667	0,12616067	1,091385413	1810058I24Rik	
17209509	4,000872	5,259233	5,032549	5,147083	4,701427	4,822648	4,764218	4,890386	0,126168	1,091390961	---	
17207593	8,000409	7,68415	8,140172	8,23468	7,901323	8,067362	7,941577	8,067788333	0,12621133	1,091423743	---	
17550324	7,94807	7,7707	7,980963	8,355161	8,046202	7,677154	7,899911	8,026172333	0,12626133	1,091461569	---	
17550348	7,94807	7,7707	7,980963	8,355161	8,046202	7,677154	7,899911	8,026172333	0,12626133	1,091461569	---	
17210033	4,758998	4,18706	3,46137	3,824566	3,743937	5,217757	4,1358093	4,262086667	0,12627733	1,091473674	---	
17203663	6,28321	5,913697	6,535592	6,517651	6,371195	6,222536	6,2441663	6,370460667	0,12629433	1,091486535	---	
17325274	8,495294	8,963225	8,171693	8,815453	8,625811	8,567906	8,543404	8,669723333	0,12631933	1,09150545	Parp9	
17278834	2,984045	3,177886	2,934293	3,038002	3,210387	3,226817	3,0320747	3,158402	0,12632733	1,091511502	Mir376c	
17404004	3,16062	2,927906	3,095392	3,345559	3,155116	3,062272	3,061306	3,187649	0,126343	1,091523355	1700010I02Rik	
17414273	3,53686	3,704105	3,284012	3,825032	3,686454	3,392539	3,5083257	3,634675	0,12634933	1,091528147	---	
17201033	9,007705	9,492334	9,289021	8,977104	9,503879	9,687132	9,26302	9,389371667	0,12635167	1,091529912	---	
17366926	5,134542	4,649692	4,925707	5,142657	4,947488	4,998852	4,9033137	5,029665667	0,126352	1,091530165	Mir466n // Mir466n	
17413553	7,628257	7,861176	7,865994	7,789253	8,01496	7,930318	7,7851423	7,911510333	0,126368	1,09154227	Zcchc7	
17469446	6,388021	6,716027	6,468736	6,672266	6,566924	6,712729	6,5242613	6,650639667	0,12637833	1,091550088	Eif4e3	
17221754	5,987029	6,206934	6,181226	6,161857	6,242502	6,349996	6,125063	6,251451667	0,12638867	1,091557907	---	
17287437	7,313871	7,604367	7,184794	7,475	7,470497	7,53674	7,3676773	7,494079	0,12640167	1,091567743	4732471D19Rik	
17242309	4,343002	4,119063	4,614861	4,541282	4,37367	4,54119	4,3589753	4,485380667	0,12640533	1,091570517	Gm19402	
17219039	5,43875	5,247651	5,403655	5,422845	5,431715	5,614726	5,363352	5,489762	0,12641	1,091574048	Gpa33	
17536240	4,294434	4,373109	4,333663	4,489976	4,591855	4,298624	4,3337353	4,460151667	0,12641633	1,09157884	1700003E24Rik // 1700003E24Rik	
17372852	4,368138	4,669869	4,730991	4,888755	4,459502	4,800018	4,589666	4,716091667	0,12642567	1,091585902	Pramel6	
17205285	4,453538	4,792551	4,754265	4,74824	4,801732	4,829712	4,6667847	4,793228	0,12644333	1,091599269	---	
17209475	4,453538	4,792551	4,754265	4,74824	4,801732	4,829712	4,6667847	4,793228	0,12644333	1,091599269	---	
17547915	6,847586	6,542596	6,821802	7,090287	6,774919	6,726109	6,737328	6,863771667	0,12644367	1,091599521	9130004J05Rik	
17345362	5,614721	5,594047	5,948942	5,945939	5,694063	5,897041	5,7192367	5,845681	0,12644433	1,091600025	Abcc10	
17516469	6,937626	6,61047	6,707325	6,842837	6,883806	6,908385	6,751807	6,878342667	0,12653567	1,091669134	Usp2	
17233076	5,185811	5,079007	4,790281	5,005235	5,142696	5,286813	5,0183663	5,144914667	0,12654833	1,091678719	---	
17204789	5,370115	5,915123	5,39983	5,413332	6,058296	5,593131	5,5616893	5,688253	0,12656367	1,091690321	---	
17208085	5,878685	5,502136	5,612807	5,841334	5,915464	5,616564	5,6645427	5,791120667	0,126578	1,091701168	---	
17404180	8,977257	9,368952	9,867649	9,787927	9,763074	9,042772	9,4046193	9,531257667	0,12663833	1,091746823	Car1	
17229576	3,43135	3,034614	3,317627	3,235319	3,295838	3,632422	3,261197	3,387859667	0,12666267	1,091765238	---	
17438575	5,86306	5,946606	5,894068	6,020103	6,143836	5,919829	5,9012447	6,027922667	0,126678	1,091776841	Gm2287	
17541875	6,888227	6,964982	6,813646	6,69379	7,220221	7,132886	6,8889517	7,015632333	0,12668067	1,091778859	Arhgef6	
17387692	3,987545	3,660699	3,633329	4,057465	3,871572	3,732601	3,7605243	3,887212667	0,12668833	1,091784661	Olfr1080	
17481180	4,059035	3,624392	3,54812	4,036232	3,894473	3,68091	3,743849	3,870538333	0,12668933	1,091785418	Olfr593	
17305508	5,691233	5,453417	5,222193	5,690018	5,406629	5,650278	5,4556143	5,582308333	0,126694	1,091788949	Gm16506	
17234519	6,803017	6,933114	6,847474	6,939004	6,990826	7,033864	6,8612017	6,987898	0,12669633	1,091790715	Mcm3ap	
17282929	3,696801	3,663681	3,631784	4,066402	4,049876	3,256111	3,6640887	3,790796333	0,12670767	1,091799292	Gm2035	
17317994	5,580818	5,935697	5,584916	5,818814	5,842091	5,820673	5,700477	5,827192667	0,12671567	1,091805346	Lypd2	
17285149	3,833966	3,700941	3,815489	3,985013	3,900218	3,84534	3,7834653	3,910190333	0,126725	1,09181241	Zp4-ps	
17438219	4,515783	4,474275	4,610394	4,66854	4,697856	4,6143	4,533484	4,660232	0,126748	1,091829816	---	
17312396	9,062614	9,223294	9,156666	9,068542	9,38308	9,37126	9,1475247	9,274294	0,12676933	1,091845961	Cyc1	
17317175	3,352014	3,440421	3,64418	3,496546	3,686743	3,633671	3,4788717	3,605653333	0,12678167	1,091855295	Slc22a22	
17206227	3,598313	3,702716	3,864049	4,644665	3,264371	3,636426	3,7216927	3,848487333	0,12679467	1,091865134	---	
17446757	4,790389	4,846142	5,017572	5,023475	5,074474	4,936544	4,884701	5,011497667	0,12679667	1,091866647	---	
17384451	10,83204	10,74364	10,59357	10,81771	10,81159	10,92038	10,723083	10,84989333	0,126781	1,091876738	---	
17286496	5,244535	5,672259	5,195669	5,471608	5,532682	5,48868	5,370821	5,497656667	0,12683567	1,091896164	Tubb2b // Tubb2b	
17255443	8,318566	8,177826	8,261737	8,455156	8,329771	8,353725	8,2527097	8,379550667	0,126841	1,0919002	Zfp652	
17204813	6,01011	5,655733	6,228606	5,903096	6,087289	6,284593	5,9648163	6,091659333	0,126843	1,091901714	---	
17214588	6,188392	6,302348	6,344125	6,46549	6,559959	6,189951	6,2782883	6,405133333	0,126845	1,091903228	Inha	
17225119	6,831114	6,68592	6,587355	6,92468	6,837078	6,723202	6,701463	6,82832	0,126857	1,09191231	A630001G21Rik	
17456082	4,159305	3,737434	3,733282	4,400861	3,651848	3,957898	3,8766737	4,003535667	0,126862	1,091916094	---	
17550190	6,303289	6,358204	6,295185	6,480183	6,696112	6,16098	6,3188927	6,445758333	0,12686567	1,091918869	---	
17258563	4,924146	4,881278	5,072971	5,149954	4,884489	5,224568	4,959465	5,086337	0,126872	1,091923663	Galr2	
17240987	5,35714	5,310539	5,59516	4,864819	6,049065	5,729581	5,4209463	5,547821667	0,12687533	1,091926186	---	
17208161	5,015368	5,405746	4,819246	5,3703	5,104553	5,146155	5,08012	5,207002667	0,12688267	1,091931736	---	
17427951	6,192074	5,981866	6,308587	6,324666	6,224071	6,314496	6,1608423	6,287744333	0,126902	1,091946369	---	
17293428	4,69124	4,419837	3,958004	4,402053	4,755254	4,292496	4,3563603	4,483267667	0,12690733	1,091950406	Cts8-ps	
17475216	7,44864	7,97645	8,189932	8,265326	7,761696	7,968792	7,871674	7,998604667	0,12693067	1,091968066	---	
17349095	3,883301	3,460511	3,545667	3,868377	3,885051	3,516918	3,6298263	3,756782	0,12695567	1,091986989	4930527G23Rik	
17335281	6,22665	6,321794	6,391693	6,479922	6,516465	6,324623	6,313379	6,440336667	0,12695767	1,091988503	Def6	
17493461	9,819173	9,713418	9,67741	9,878078	9,772607	9,940331	9,736667	9,863672	0,127005	1,09202433	Aqp11	
17419321	4,757996	4,65461	4,627485	4,889524	4,691995	4,839594	4,6800303	4,807037667	0,12700733	1,092026097	---	
17284487	5,142477	5,615601	5,552732	5,358281	5,941861	5,391741	5,4369367	5,563961	0,12702433	1,092038965	---	
17282403	5,957397	6,15451	6,112897	6,305895	6,10289	6,197102	6,0749347	6,201962333	0,12702767	1,092041488	Dpf3	
17503178	4,214879	4,062954	4,319977	4,612365	4,013378	4,353428	4,19927	4,326390333	0,12712033	1,092111634	---	
17346802	10,3973	10,41673	10,276	10,3727	10,43735	10,66137	10,363343	10,49047333	0,12713	1,092118951	Ndufv2	

17236915	3,019966	3,204351	3,046871	3,278916	3,073358	3,300365	3,090396	3,217546333	0,12715033	1,092134344	---
17403771	5,952653	5,817644	5,99151	5,979091	5,983557	6,180709	5,9206023	6,047785667	0,12718333	1,092159325	AI606473
17276884	7,89701	7,951478	7,979255	8,09884	8,097935	8,012527	7,942581	8,069767333	0,12718633	1,092161596	4933426M11Rik
17330468	5,276218	5,050129	5,349515	5,408786	5,429197	5,219552	5,2252873	5,352511667	0,12722433	1,092190364	Gm9968
17514834	11,54142	11,53286	11,62651	11,71449	11,722	11,64604	11,56693	11,69417667	0,12724667	1,092207271	Taf1d
17529029	4,440249	4,343238	4,450803	4,614804	4,464756	4,536482	4,41143	4,538680667	0,12725067	1,0922103	Dppa5a
17368109	4,402333	4,220936	4,519073	4,527994	4,556824	4,439301	4,3807807	4,508039667	0,127259	1,092216608	---
17547825	8,747493	8,859203	8,845786	9,022255	8,900388	8,911635	8,817494	8,944759333	0,12726533	1,092221403	Dleu2
17506206	6,616426	6,525958	6,555866	6,594377	6,887944	6,597757	6,5660833	6,693359333	0,127276	1,092229479	Crispld2
17547650	4,241385	4,056109	3,904725	4,236215	4,049202	4,298645	4,0674063	4,194687333	0,127281	1,092233264	Gm19340
17470994	8,140646	8,1447	8,147273	8,116488	8,307739	8,39031	8,1442063	8,271512333	0,127306	1,092252191	Cops7a
17420316	6,04693	6,783566	6,667465	6,752966	6,503517	6,623462	6,4993203	6,626648333	0,127328	1,092268847	Rap1gap
17472903	5,115028	4,914845	4,761477	5,113377	4,861069	5,19894	4,93045	5,057795333	0,12734533	1,092281971	Pthlh
17246449	4,308206	4,041939	4,2245	4,582852	4,164791	4,209218	4,1915483	4,318953667	0,12740533	1,092327398	Olfr818
17419622	8,490322	8,332711	8,133842	7,768266	8,868437	8,702436	8,3189583	8,446379667	0,12742133	1,092339513	Nr0b2
17459303	3,098716	2,805105	2,993934	3,171808	3,122628	2,985622	2,9659183	3,093352667	0,12743433	1,092349356	---
17496653	8,177527	8,551534	8,416981	8,465753	8,425435	8,637247	8,382014	8,509478333	0,12746433	1,092372071	Rplp1
17259870	10,50963	10,72197	10,81393	10,72445	10,81206	10,89144	10,681843	10,80931667	0,12747333	1,092378885	---
17308612	4,833408	4,999144	5,042207	4,85236	5,456978	4,947904	4,958253	5,085747333	0,12749433	1,092394786	Nudt15
17203353	5,806872	6,12663	6,415755	5,732043	6,519135	6,480658	6,116419	6,243945333	0,12752633	1,092419016	---
17525353	8,554567	8,44686	8,222983	8,406923	8,640108	8,559982	8,4081367	8,535671	0,12753433	1,092425074	Tirap
17372161	8,693145	8,866347	8,776436	8,801213	9,070687	8,846645	8,7786427	8,906181667	0,127539	1,092428608	Agps
17458956	3,265951	3,289744	3,271894	3,453883	3,399444	3,356928	3,275863	3,403418333	0,12755533	1,092440976	Vmn1r19
17298585	7,139867	7,508478	7,444548	7,501429	7,571229	7,402921	7,3642977	7,491859667	0,127562	1,092446024	Ercc6
17262798	5,290639	5,108225	5,34913	5,164565	5,527424	5,43886	5,2493313	5,376949667	0,12761833	1,092488682	Pdlim4
17336950	7,522426	7,450016	7,14318	7,776028	7,340044	7,382452	7,371874	7,499508	0,127634	1,092500545	---
17487805	4,956604	4,883276	5,064425	5,13745	4,90052	5,249245	4,9681017	5,095738333	0,12763667	1,092502565	Atp1a3
17242861	6,480258	6,477784	6,912009	6,727831	6,840833	6,684327	6,6233503	6,750997	0,12764667	1,092510137	Pcsk4
17352763	5,503294	5,527484	5,663842	5,626941	5,768009	5,682643	5,5648733	5,692531	0,12765767	1,092518467	Ankrd29
17526272	7,572533	7,72227	7,506816	7,809167	8,046982	7,328446	7,6005397	7,728198333	0,12765867	1,092519225	---
17203941	5,293581	5,092035	4,754812	5,069479	5,75272	4,701214	5,0468093	5,174471	0,12766167	1,092521497	---
17391373	6,052459	6,345031	6,077365	6,268547	6,297936	6,29137	6,158285	6,285951	0,127666	1,092524778	1500011K16Rik
17387694	3,212545	3,182513	3,132508	3,313824	3,326038	3,270712	3,1758553	3,303524667	0,12766933	1,092527302	Olfr1082
17222096	8,027164	8,331806	8,105655	8,347326	8,301191	8,199189	8,154875	8,282568667	0,12769367	1,09254573	Fam168b
17274484	4,25023	4,249978	4,625655	4,541856	4,341638	4,625515	4,3752877	4,503003	0,12771533	1,092562138	---
17380060	4,509778	4,307665	4,69659	4,690894	4,716941	4,489363	4,5046777	4,632399333	0,12772167	1,092566934	Dok5
17364167	6,33213	6,182269	5,404734	6,071215	5,877814	6,353297	5,9730443	6,100775333	0,127731	1,092574002	---
17225286	8,433897	8,378086	8,319212	8,501822	8,416921	8,595702	8,377065	8,504815	0,12775	1,092588392	Usp40
17203929	5,671654	5,848695	5,538716	5,796014	5,849179	5,797156	5,686355	5,814116333	0,12776133	1,092596975	---
17331905	4,141521	3,694137	3,946852	4,294991	4,105614	3,7652	3,9275033	4,055268333	0,127765	1,092599751	---
17387870	2,964842	2,960142	3,106988	3,034206	3,370072	3,011043	3,0106573	3,138440333	0,127783	1,092613384	Olfr1213
17535488	4,379433	4,459096	4,5023	4,521155	4,624398	4,578674	4,446943	4,574742333	0,12779933	1,092625754	Xlr5b
17380392	3,980783	3,871068	3,666416	3,896643	3,694127	4,31092	3,8394223	3,96723	0,12780767	1,092632065	---
17291725	4,001743	3,816894	3,568409	4,097956	3,655594	4,016937	3,795682	3,923495667	0,12781367	1,092636609	Serpinb6e
17400244	5,839788	6,481219	6,510209	6,527995	6,363908	6,322763	6,277072	6,404888667	0,12781667	1,092638881	Lysmd1
17377753	9,564312	9,550816	9,519537	9,650009	9,779267	9,588943	9,5448883	9,672739667	0,12785133	1,092665136	H13
17468326	4,598247	4,474353	4,629445	4,757952	4,671039	4,656769	4,5673483	4,695253333	0,127905	1,092705783	Gm5878
17354282	11,84828	11,89891	11,59959	11,81874	11,9697	11,94208	11,78226	11,91017333	0,12791333	1,092712095	Cdo1
17474932	8,385919	8,647163	8,412168	8,787406	8,691471	8,350157	8,48175	8,609678	0,127928	1,092723204	---
17244533	3,931157	3,611908	3,606716	3,824565	3,997079	3,712025	3,7165937	3,844556333	0,12796267	1,092749461	Gm10754
17503226	7,3248	7,544527	7,473139	7,615461	7,6633	7,447727	7,4474887	7,575496	0,12800733	1,092783294	Farsa
17365250	9,336883	9,436269	9,296902	9,459053	9,515946	9,479091	9,3566847	9,484696667	0,128012	1,092786829	Mgea5
17363328	7,176249	7,21044	7,025398	7,24035	7,232997	7,322809	7,1373623	7,265385333	0,128023	1,092795161	Pcsk5
17364954	7,826735	7,809277	7,584865	7,779581	7,864603	7,960765	7,7402923	7,868316333	0,128024	1,092795918	Cox15
17402607	6,505368	6,49349	6,323233	6,495904	6,598539	6,611745	6,440697	6,568729333	0,12803233	1,09280223	Col25a1
17491693	3,787198	3,860874	3,95095	3,860605	3,921461	4,201061	3,8663407	3,994375667	0,128035	1,09280425	---
17495214	5,467864	4,760566	5,119246	5,14263	5,378771	5,210423	5,115892	5,243941333	0,12804933	1,092815108	---
17274866	4,348446	3,860543	4,236629	4,491703	4,381156	3,957033	4,1485393	4,276630667	0,12809133	1,092846922	---
17309113	5,019349	5,037674	5,277327	5,313605	5,206976	5,198104	5,11145	5,239561667	0,12811167	1,092862325	1700110M21Rik
17439361	13,10412	13,02536	13,06988	13,0942	13,21773	13,27179	13,066453	13,19457333	0,12812	1,092868638	Gapdh
17243604	5,839914	5,764112	5,839274	5,995808	5,85989	5,972053	5,8144333	5,942583667	0,12815033	1,092891616	Nuak1
17456308	5,041758	4,954374	4,953036	4,82503	5,400745	5,107858	4,983056	5,111211	0,128155	1,092895151	Kcnd2
17459085	3,616117	3,272689	3,514634	3,666305	3,558789	3,562955	3,4678133	3,596016333	0,128203	1,092931513	---
17448242	5,013039	5,324473	5,565951	5,394999	5,208646	5,684502	5,3011543	5,429382333	0,128228	1,092950453	---
17535558	10,71801	10,93678	10,56095	10,95171	10,8099	10,83883	10,73858	10,86681333	0,12823333	1,092954493	Bgn
17402485	7,404175	7,383496	7,322845	7,559194	7,574314	7,361844	7,370172	7,498450667	0,12827867	1,092988837	4930422G04Rik
17359672	7,576284	8,061357	7,945553	8,593785	7,640495	7,733773	7,8610647	7,989351	0,12828633	1,092994645	Gm10768
17215067	6,743129	6,587604	6,658235	6,742758	6,69602	6,935081	6,6629893	6,791286333	0,128297	1,093002727	Armc9
17217197	6,509367	6,960696	6,468088	6,811571	6,785862	6,72562	6,6460503	6,774351	0,12830067	1,093005505	Dstyk
17430680	5,348812	5,400319	5,723794	5,603621	5,63632	5,617891	5,490975	5,619277333	0,12830233	1,093006767	Ptpru
17280577	9,743649	9,72517	9,690662	9,821516	9,857779	9,865101	9,719827	9,848132	0,128305	1,093008788	Hbp1
17283094	3,334394	3,441443	3,545501	3,437971	3,697305	3,571029	3,440446	3,568768333	0,12832233	1,09302192	---
17545629	4,258876	4,245635	4,171188	4,437723	4,260705	4,362443	4,225233	4,353623667	0,12839067	1,093073692	Phex
17505060	7,374013	7,345932	7,383229	7,284057	7,689329	7,51498	7,3677247	7,496122	0,12839733	1,093078743	Pla2g15
17423215	7,059772	6,983144	6,685236	6,930251	7,048674	7,134424	6,909384	7,037783	0,128399	1,093080006	2310030N02Rik
17529888	5,258596	5,361948	5,554574	5,451459	5,518468	5,590414	5,391706	5,520113667	0,12840767	1,093086572	Spsb4
17257557	8,799126	8,963496	8,606177	8,859441	8,93631	8,958405	8,7895997	8,918052	0,12845233	1,093120415	---
17515843	5,266272	5,184736	5,247743	5,626951	5,161594	5,295664	5,232917	5,361403	0,128486	1,093145925	Kirrel3
17347307	3,192785	3,343307	3,556093	3,535832	3,557226	3,384699	3,3640617	3,492585667	0,128524	1,093174718	Heatr5b
17344137	4,335526	4,867567	5,547023	4,961408	4,983062	5,191238	4,9167053	5,045236	0,12853067	1,09317977	Hspa1l // Hspa1l
17295017	10,20851	10,14089	10,00424	10,22252	10,21748	10,29927	10,11788	10,24642333	0,12854333	1,093189368	Bhmt2
17411697	5,158731	5,350632	5,624034	5,462146	5,535391	5,521534	5,377799	5,506357	0,128558	1,093200481	Clvs1
17407654	6,923254	7,046739	7,147126	7,235293	7,205568	7,061978	7,0390397	7,167613	0,12857333	1,0932121	Zfp687
17520492	8,433067	8,568253	8,401922	8,667763	8,586071	8,535152	8,4677473	8,596328667	0,12858133	1,093218162	Xrn1
17548679	5,205341	4,668046	4,837875	5,160352	4,828715	5,107959	4,903754	5,032342	0,128588	1,093223214	Gm10033
17280788	3,298093	3,28579	3,417537	3,56791	3,373463	3,445834	3,3338067	3,462402333	0,12859567	1,093229023	---
17313087	5,813894	5,620467	5,802254	5,811317	5,758053	6,053075	5,7455383	5,874148333	0,12861	1,093239885	Mgat3
17527474	4,660578	4,553722	4,609491	4,498956	4,687584	5,023085	4,6079303	4,736541667	0,12861133	1,093240895	---
17538429	5,046972	4,622995	5,055409	5,213177	4,903844	4,994234	4,9084587	5,037085	0,12862633	1,093252262	Mir764
17516546	8,731897	8,909386	8,636524	8,763285	9,00582	8,894617	8,759269	8,887907333	0,12863833	1,093261355	Dpagt1
17473523	3,406168	3,230069	3,494391	3,386203	3,443317	3,687024	3,376876	3,505514667	0,12863867	1,093261608	Gm5321
17256754	9,881275	9,888344	9,949194	10,01021	10,09117	10,00337	9,906271	10,03491667	0,12864567	1,093266913	Nbr1
17348274	4,836242	5,473506	4,530803	5,243019	4,666649	5,316836	4,9468503	5,075501333	0,128651	1,093270954	Unkl // Unkl
17263355	6,033536	5,673652	6,033459	6,066051	6,135808	5,924817	5,913549	6,042225333	0,12867633	1,093290152	Gjc2
17334166	5,691539	5,742609	6,033832	5,665818	5,499035	6,689198	5,82266	5,951350333	0,12869033	1,093300761	Dcpp1
17201065	7,710238	8,166888	7,825236	7,5613	8,263294	8,263857	7,9007873	8,029483667	0,12869633	1,093305308	---
17494447	3,291656	3,340138	3,309126	3,856833	3,243404	3,226817	3,31364	3,442351333	0,12871133	1,093316676	Olfr668
17546119	7,243594	7,39765	7,1528	7,512474	7,301906	7,365865	7,2646813	7,393415	0,12873367	1,093333601	Prps2
17270086	6,712254	5,709298	6,235691	6,304203	6,369625	6,369625	6,219081	6,347817667	0,12873667	1,093335874	---
17441334	4,366076	4,076397	4,359264	4,458175	4,267416	4,462465	4,2672457	4,396018667	0,128773	1,093363409	C330018A13Rik
17491211	6,906947	7,136413	7,074498	7,18697	7,22122	7,095994	7,039286	7,168061333	0,12877533	1,093365178	Hps5
17361073	10,69159	10,72478	10,68962	11,08467	10,67507	10,73263	10,701997	10,83079	0,12879333	1,093378819	Gstp1
17269270	5,696616	5,657249	5,875663	5,950563	5,760403	5,904945	5,743176	5,871970333	0,12879433	1,093379577	Krt33a
17493395	3,326432	3,516115	3,349235	3,577267	3,604531	3,39637	3,3972607	3,526056	0,12879533	1,093380335	---
17514637	4,436714	4,702193	4,471372	4,618048	4,677845	4,700872	4,5367597	4,665588333	0,12882867	1,093405598	Pgr
17545508	3,504254	3,440722	3,468585	3,837354	3,468585	3,494137	3,471187	3,600025333	0,12883833	1,093412924	Gm10057
17420270	7,938945	7,899043	7,713763	8,031338	7,988164	7,918801	7,8505837	7,979434333	0,12885067	1,093422272	Usp48
17498499	5,507515	5,515842	5,602591	5,438525	5,798171	5,77584	5,5419827	5,670845333	0,12886267	1,093431366	Fgf15
17283393	7,752899	8,030903	7,760174	7,896078	8,044214	7,990311	7,847992	7,976867667	0,12887567	1,093441219	Trip11
17206287	6,028684	6,520631	5,790996	6,512082	6,139184	6,075674	6,113437	6,242313333	0,12887633	1,093441725	---
17374201	4,965808	4,592642	4,466671	4,884443	4,850496	4,676823	4,6750403	4,803920667	0,12888033	1,093444756	Olfr1300-ps1
17479911	4,005877	3,838486	4,034109	3,935752	4,104234	4,225185	3,9594907	4,088390333	0,12889967	1,093459409	---
17334304	6,596581	6,800557	6,736117	6,959364	6,83078	6,729839	6,711085	6,839994333	0,12890933	1,093466736	Pkd1
17474657	5,025772	4,815637	5,133575	5,267441	4,970045	5,124229	4,9916613	5,120571667	0,12891033	1,093467494	Nkpd1
17550739	2,970336	2,942596	2,983734	3,077187	3,106143	3,100165	2,9655553	3,094498333	0,128943	1,093492253	---
17221765	5,222391	4,825374	4,938944	5,119792	5,19985	5,053906	4,9955697	5,124516	0,12894633	1,09349478	---
17253835	4,139114	4,296367	4,208761	4,513212	4,394797	4,123095	4,2147473	4,343701333	0,128954	1,093500591	Mir193
17489809	5,603422	5,705729	5,521766	5,638104	5,686048	5,893681	5,6103057	5,739277667	0,128972	1,093514234	Rgs9bp
17206973	6,37107	6,566495	5,726501	6,157733	6,578872	6,314484	6,2213553	6,350363	0,12900767	1,093541269	---
17472983	7,973663	7,209665	7,630807	7,955292	7,51525	7,730626	7,6047117	7,733722667	0,129011	1,093543795	---
17421534	6,388435	6,915726	6,723968	6,767099	6,939162	6,70894	6,676043	6,805067	0,129024	1,093553649	Fv1
17410974	7,706509	7,897014	7,776231	8,019733	7,874585	7,87252	7,7932513	7,922279333	0,129028	1,093556681	Cyr61
17305315	7,126807	6,925402	6,505134	7,175823	6,79021	6,978401	6,8524477	6,981478	0,12903033	1,09355845	---
17505821	3,445655	3,590896	3,56128	3,597036	3,590988	3,796906	3,5326103	3,661643333	0,129033	1,093560471	Gm10280
17279746	4,478058	4,782109	4,744627	4,625914	4,778702	4,987366	4,6682647	4,797327333	0,12906267	1,093582959	---
17492861	5,69913	6,023168	5,866014	5,828344	6,082204	6,064996	5,8627707	5,991848	0,12907733	1,093594076	Hdgfrp3
17207777	4,840601	5,134235	5,361028	5,265908	5,480587	4,976618	5,1119547	5,241037667	0,129083	1,093598372	---
17210497	4,955637	4,701684	5,071078	4,948911	4,53895	5,627844	4,9094663	5,038568333	0,129102	1,093612774	---
17232025	10,9822	10,82818	10,84962	10,97486	10,93369	11,1388	10,886667	11,01578333	0,12911667	1,093623892	Aldh8a1
17208223	7,812375	7,658895	7,956775	8,545683	7,518943	7,750827	7,8093483	7,938484333	0,129136	1,093638548	---
17339108	10,06632	10,08343	10,01797	10,28365	10,17679	10,09478	10,055907	10,18507333	0,12916667	1,093661795	Man2a1
17247675	5,320985	5,512988	5,691088	5,603067	5,763038	5,54652	5,5083537	5,637541667	0,129188	1,093677967	Fam161a
17209815	4,148438	4,506959	3,963559	5,086976	4,21502	3,704538	4,2063187	4,335511333	0,12919267	1,093681505	---
17212185	9,627047	9,821157	9,270381	9,484594	9,965722	9,655849	9,5728617	9,702055	0,12919333	1,09368201	Il1r1

17455552	6,236065	6,45437	6,227155	6,491767	6,442788	6,370648	6,3058633	6,435067667	0,12920433	1,093690349	---
17356874	5,709357	5,689838	5,670117	5,778564	5,86614	5,812233	5,6897707	5,818979	0,12920833	1,093693382	Pygm
17399737	9,570707	9,528883	9,383049	9,644755	9,50891	9,71661	9,494213	9,623425	0,129212	1,093696161	Gatad2b
17228164	8,778668	8,920951	8,716805	9,082386	8,869109	8,852628	8,8054747	8,934707667	0,129233	1,093712081	Lamc1
17202325	4,915915	5,901016	5,651192	5,480066	5,964513	5,411269	5,4893743	5,618616	0,12924167	1,093718652	---
17224125	7,832159	7,563017	7,57124	7,530097	7,916136	7,907938	7,655472	7,784723667	0,12925167	1,093726233	Mreg
17400275	5,162037	5,223981	5,407785	5,431684	5,386999	5,362933	5,264601	5,393872	0,129271	1,09374089	Mllt11 // Mllt11
17549992	9,013851	8,728416	8,834146	9,264719	8,806677	8,892861	8,8588043	8,988085667	0,12928133	1,093748724	---
17537869	4,945111	4,367843	4,541316	4,993886	4,539142	4,709106	4,61809	4,747378	0,129288	1,093753778	5730412P04Rik
17205091	3,279452	3,226389	3,474274	3,511076	3,74143	3,115529	3,326705	3,456011667	0,12930667	1,09376793	---
17209281	3,279452	3,226389	3,474274	3,511076	3,74143	3,115529	3,326705	3,456011667	0,12930667	1,09376793	---
17494005	7,817055	7,701799	7,69157	7,865276	7,95446	7,778646	7,736808	7,866127333	0,12931933	1,093777533	Rnf121
17486314	5,724381	5,133343	4,526563	5,018752	5,477314	5,276219	5,1280957	5,257428333	0,12933267	1,093787642	Vmn2r42 // Vmn2r42
17399533	5,7905	5,952067	5,897458	5,994541	6,216882	5,816617	5,8800083	6,009346667	0,12933833	1,093791938	She
17204795	4,654871	5,113615	4,08948	4,516158	4,469708	5,260208	4,619322	4,748691333	0,12936933	1,093815441	---
17344896	4,370497	3,84439	4,020063	4,344697	4,184885	4,093488	4,0783167	4,20769	0,12937333	1,093818474	Olfr114
17203517	3,626093	3,66331	2,977099	3,840086	3,949111	2,865433	3,4221673	3,551543333	0,129376	1,093820495	---
17206039	5,592822	5,396477	5,534831	5,921093	5,291516	5,699668	5,5080433	5,637425667	0,12938233	1,093825297	---
17268661	5,274311	4,863054	5,398319	5,400867	5,347698	5,175314	5,1785613	5,307959667	0,12939833	1,093837428	Plxdc1
17221045	4,630238	4,720094	4,732966	4,702181	4,988772	4,780704	4,6944327	4,823885667	0,129453	1,093878877	Xkr4
17464201	3,179853	3,360933	3,252906	3,509367	3,383911	3,288819	3,264564	3,394032333	0,12946833	1,093890503	---
17231625	7,960774	7,98615	8,043894	8,167927	8,108652	8,102646	7,9969393	8,126408333	0,129469	1,093891008	Shprh
17398605	4,384252	4,775412	4,626099	4,819767	4,78409	4,570344	4,5952543	4,724733667	0,12947933	1,093898843	1700036G14Rik // 1700036G14Rik
17464672	11,43925	11,3017	11,27404	11,47042	11,47304	11,46	11,33833	11,46782	0,12949	1,093906931	Slc25a13
17346987	4,08606	3,693336	4,010404	3,964988	4,18813	4,025191	3,9299333	4,059436333	0,129503	1,093916788	Gm4566
17468730	11,03598	11,0146	11,05331	11,13209	11,28289	11,07751	11,03463	11,16416333	0,12953333	1,093939789	Sec61a1
17427051	6,953391	7,003656	6,476768	6,752771	7,018085	7,051576	6,8112717	6,940810667	0,129539	1,093944086	Ptplad2
17370612	7,349571	7,428608	7,134006	7,331791	7,613862	7,355165	7,3040617	7,433606	0,12954433	1,09394813	Mbd5
17248973	3,50729	3,69435	3,424885	3,651848	3,532832	3,830616	3,542175	3,671765333	0,12959033	1,093983011	Olfr1387
17204519	4,904016	5,038693	4,821065	5,009087	5,234983	4,908533	4,921258	5,050867667	0,12960967	1,093997671	---
17297748	5,403683	5,311179	5,790818	5,623378	5,706215	5,56504	5,5018933	5,631544333	0,129651	1,094029014	4931406H21Rik
17486270	6,107935	5,419366	5,275703	5,605062	5,854767	5,732138	5,6010013	5,730655667	0,12965433	1,094031542	Vmn2r42
17252434	7,303021	7,583143	7,41657	7,532597	7,676059	7,483153	7,4342447	7,563936333	0,12969167	1,094059853	Zzef1
17328335	8,946102	8,937008	8,784187	9,102362	9,001339	8,952706	8,889099	9,018802333	0,12970333	1,094068701	Marf1
17291442	3,155687	3,403965	3,561047	3,437254	3,466472	3,606138	3,3735663	3,503288	0,12972167	1,094082604	Prl8a9
17284111	5,02424	4,892363	5,0073	5,004376	5,044426	5,264297	4,9746343	5,104366333	0,129732	1,09409044	2810029C07Rik
17454408	7,624416	7,845792	7,745454	7,941832	7,793999	7,869061	7,738554	7,868297333	0,12974333	1,094099035	3110082I17Rik
17209041	6,80891	6,878959	6,721877	6,81337	7,113095	6,872518	6,8032487	6,932994333	0,12974567	1,094100805	---
17384787	8,002225	7,884183	7,796281	8,136688	8,077688	7,85767	7,8942297	8,024015333	0,12978567	1,09413114	Scai
17370483	5,50348	6,057767	6,064576	6,066364	6,124695	5,824133	5,8752743	6,005064	0,12978967	1,094134174	Mir181a-2
17480030	5,708953	5,879018	5,826818	5,955901	6,125028	5,723236	5,8049297	5,934721667	0,129792	1,094135943	Rab38
17545418	3,061954	3,121594	3,159074	3,173854	3,283816	3,274372	3,1142073	3,244014	0,12980667	1,094147066	---
17285821	4,403598	4,573857	4,661635	4,391244	4,600312	5,037061	4,5463633	4,676205667	0,12984233	1,094174117	Hist1h3a // Hist1h3i // Hist1h3h // Hist1h
17470623	4,8032	4,91747	4,386184	4,474276	5,210865	4,811248	4,7022847	4,832129667	0,129845	1,094176139	---
17365286	6,499191	6,335119	6,369248	6,270101	6,634552	6,688535	6,401186	6,531062667	0,12987667	1,094200156	9130011E15Rik
17221553	6,104094	6,210733	5,807521	6,311758	6,286548	5,913684	6,0407827	6,170663333	0,12988067	1,09420319	Pkhd1
17508165	10,33074	10,74701	10,64297	10,65133	10,74213	10,71704	10,573573	10,7035	0,12992667	1,094238079	---
17527323	5,654247	5,440983	5,583289	5,624795	5,636706	5,806825	5,5595063	5,689442	0,12993567	1,094244905	Chrnb4
17268328	5,148571	5,19592	5,450231	5,582271	5,171659	5,430618	5,2649073	5,394849333	0,129942	1,094249709	Gm11529
17207105	6,804846	6,494137	7,170192	7,230874	6,948967	6,679271	6,8230583	6,953037333	0,129979	1,094277773	---
17264809	6,73639	6,021793	6,026176	6,265744	6,399117	6,509472	6,261453	6,391444333	0,12999133	1,094287128	Shbg
17202263	6,802016	6,847455	6,510433	6,944818	6,752223	6,852878	6,719968	6,849973	0,130005	1,094297494	---
17268820	6,754409	6,763344	6,726818	6,922481	6,642785	7,069411	6,7481903	6,878225667	0,13003533	1,094320502	Ikzf3
17249914	4,85029	4,782351	5,127447	4,942386	5,001586	5,206332	4,9200293	5,050101333	0,130072	1,094348315	---
17226035	4,654296	4,772524	4,591783	4,798532	4,74016	4,870168	4,6728677	4,802953333	0,13008567	1,094358682	---
17241646	5,406025	5,407908	5,369895	5,494646	5,589741	5,48972	5,3946093	5,524702333	0,130093	1,094364245	Zfp365
17487140	5,153591	5,000048	5,342215	5,209815	5,362389	5,313953	5,1652847	5,295385667	0,130101	1,094370313	Mypop // Mypop
17290386	4,985442	4,967731	4,875143	5,031024	5,138975	5,048736	4,942772	5,072911667	0,13013967	1,094399644	---
17273498	7,125535	7,46907	7,331862	7,384441	7,568293	7,364165	7,3088223	7,438966333	0,130144	1,094402932	BC017643
17393092	6,189952	6,209471	6,476067	6,487878	6,648859	6,129194	6,29183	6,421977	0,130147	1,094405207	---
17458338	5,676971	5,76824	5,601439	5,756567	5,812179	5,868392	5,6822167	5,812379333	0,13016267	1,094417092	AI854703
17311893	4,119444	3,51224	3,79301	3,780504	4,366676	3,668008	3,8082313	3,938396	0,13016467	1,094418609	Gsdmcl-ps
17471920	5,209944	4,91336	4,467724	4,940038	5,150665	4,890943	4,863676	4,993882	0,130206	1,094449965	Prb1
17306325	3,704978	3,608908	3,744872	3,651848	3,954891	3,842654	3,6862527	3,816464333	0,13021167	1,094454264	Olfr1507
17270974	11,25016	11,26333	11,27949	11,45008	11,34187	11,39168	11,264327	11,39454333	0,13021667	1,094458057	Ddx5
17474529	5,971663	6,051234	6,286567	6,286632	6,185124	6,228358	6,1031547	6,233371333	0,13021667	1,094458057	Gpr4
17268255	6,435226	6,284505	6,433151	6,580178	6,581738	6,381635	6,384294	6,514517	0,130223	1,094462861	Igf2bp1
17441140	5,550153	5,254522	5,652325	5,538915	5,800696	5,508072	5,4856667	5,615894333	0,13022767	1,094466402	Msi1
17238858	7,777926	8,1236	8,015806	8,214103	7,966252	8,127663	7,972444	8,102672667	0,13022867	1,09446716	Syne1
17210693	6,188835	4,778786	5,39027	5,798622	5,551819	5,39818	5,4526303	5,582873667	0,13024333	1,094478287	---
17303488	13,35457	13,29804	13,31162	13,36759	13,42597	13,56144	13,32141	13,45166667	0,13025667	1,094488402	---
17446020	5,949555	6,019368	5,668377	6,218033	5,666949	6,143096	5,8791	6,009359333	0,13025933	1,094490425	---
17210461	7,285258	7,628867	7,644006	7,674827	7,690313	7,583838	7,519377	7,649659333	0,13028233	1,094507874	---
17271443	10,7226	10,64605	10,60464	10,77614	10,9063	10,68171	10,657763	10,78805	0,13028667	1,094511161	Abca6
17450366	9,548771	9,317256	9,331615	9,497299	9,626487	9,464746	9,399214	9,529510667	0,13029667	1,094518748	Hsd17b11
17253832	6,626925	6,494231	6,76859	6,925603	6,731017	6,624021	6,6299153	6,760213667	0,13029833	1,094520012	---
17202021	3,675016	3,287421	3,453721	4,020834	2,930928	3,855393	3,4720527	3,602385	0,13033233	1,094545807	---
17377547	3,056593	3,306328	3,680837	3,549152	3,306322	3,579293	3,3479193	3,478255667	0,13033633	1,094548842	---
17538784	11,07475	10,8186	10,82663	11,05648	11,05326	11,00131	10,90666	11,03701667	0,13035667	1,094564269	---
17370807	6,586596	6,739334	6,497565	6,738179	6,78271	6,693734	6,6078317	6,738207667	0,130376	1,094578937	Fmnl2
17238864	7,182638	7,351087	7,534294	7,547266	7,418739	7,493184	7,3560063	7,486396333	0,13039	1,094589559	Syne1
17464971	4,591164	4,800546	4,695674	4,836837	4,675802	4,965929	4,6957947	4,826189333	0,13039467	1,094593099	---
17220054	3,610227	3,16093	3,230291	3,334103	3,84409	3,214499	3,333816	3,464230667	0,13041467	1,094608274	Gm19846 // Gm19846
17221259	10,76737	10,92718	10,73705	10,84747	11,09365	10,88177	10,810533	10,94096333	0,13043	1,094619908	---
17426549	3,290892	3,282704	3,490059	3,381761	3,263656	3,809598	3,3545517	3,485005	0,13045333	1,094637612	Aldoart1
17285244	8,95188	9,105286	8,875561	9,084215	9,18952	9,050362	8,9775757	9,108032333	0,13045667	1,094640141	Nid1
17279161	11,28197	11,26709	11,41292	11,41635	11,43603	11,50098	11,32066	11,45112	0,13046	1,09464267	---
17281684	6,431584	7,561118	6,8666	6,821276	6,951674	7,477745	6,9531007	7,083565	0,13046433	1,094645958	---
17444416	6,000054	5,725703	5,896986	5,941408	5,979568	6,093255	5,8742477	6,004743667	0,130496	1,094669985	Pms2
17548460	4,462858	4,241241	4,676452	4,6594	4,46351	4,649162	4,4601837	4,590690667	0,130507	1,094678332	---
17298917	4,362482	4,121682	4,3498	4,325116	4,693969	4,206439	4,277988	4,408508	0,13052	1,094688196	Lrit2
17432596	7,678505	7,982046	7,844888	7,984778	7,965184	7,947136	7,8351463	7,965699333	0,130553	1,094713236	Vps13d
17462748	3,414059	3,416752	3,477668	3,736565	3,568562	3,395046	3,4361597	3,566724333	0,13056467	1,094722088	Clec4a4
17539560	4,903004	4,963204	4,925801	5,137289	5,092993	4,953433	4,9306697	5,061238333	0,13056867	1,094725124	Asb11
17270919	9,104444	9,081253	8,945685	9,140076	9,191337	9,191686	9,043794	9,174366333	0,13057233	1,094727906	Tex2
17207185	5,771291	5,452903	6,039893	5,520033	6,03393	6,101848	5,7546957	5,885270333	0,13057467	1,094729677	---
17250166	6,34208	5,660506	6,022277	6,344641	6,036724	6,035254	6,0082877	6,138873	0,13058533	1,094737771	Trim17
17501606	3,023074	3,225206	3,099745	3,23159	3,314703	3,193491	3,1160083	3,246594667	0,13058633	1,094738529	---
17402001	6,904664	7,088383	6,959946	7,204641	7,198489	6,941638	6,984331	7,114922667	0,13059167	1,094742576	Extl2
17319100	5,169654	4,93958	4,917935	5,138471	5,195074	5,085449	5,0090563	5,139664667	0,13060833	1,094755223	---
17508804	8,161509	8,230252	8,065478	8,299532	8,228923	8,320827	8,152413	8,283094	0,130681	1,094810366	Dlc1
17393637	6,490244	6,576808	6,70211	6,747226	6,725579	6,688441	6,5897207	6,720415333	0,13069467	1,094820737	9830001H06Rik
17489923	4,943341	4,722753	5,098174	5,105749	5,034552	5,016165	4,9214227	5,052155333	0,13073267	1,094849575	Gm4454 // Gm4454
17522338	9,31182	9,172771	9,357307	9,525637	9,409132	9,299344	9,2806327	9,411371	0,13073833	1,094853875	Scap
17203867	3,178814	3,373057	2,91353	3,1792	3,722311	2,956134	3,1551337	3,285881667	0,130748	1,094861211	---
17242376	8,478658	8,738799	8,701552	8,795475	8,763572	8,752276	8,6396697	8,770441	0,13077133	1,094878919	Pfkl
17395692	3,947643	3,637004	3,807621	4,016007	3,816285	3,952408	3,7974227	3,928233333	0,13081067	1,09490877	Gm14340
17210409	4,530708	5,146102	4,643517	4,777988	5,238103	4,696703	4,7734423	4,904264667	0,13082233	1,094917624	---
17445449	3,69355	3,749105	4,153019	4,135332	4,016853	3,835975	3,8652247	3,996053333	0,13082867	1,094922431	---
17392522	3,692571	3,616451	3,462101	3,777096	3,724619	3,661936	3,5903743	3,7212217	0,13084267	1,094933056	---
17467424	7,106175	6,745029	7,438907	7,429918	7,069045	7,183712	7,0967037	7,227558333	0,13085467	1,094942164	---
17548450	5,419373	5,548791	5,420495	5,740815	5,615239	5,425222	5,4628863	5,593758667	0,13087233	1,094955572	---
17532643	8,621007	8,82423	8,224651	8,438057	8,816628	8,807855	8,5566293	8,687513333	0,130884	1,094964427	---
17550558	8,621007	8,82423	8,224651	8,438057	8,816628	8,807855	8,5566293	8,687513333	0,130884	1,094964427	---
17467965	3,503259	3,573268	3,609209	3,828784	3,609681	3,640044	3,561912	3,692836333	0,13092433	1,094995039	Reg3d
17265156	6,365721	6,009078	6,462111	6,287666	6,606563	6,335505	6,27897	6,409911333	0,13094133	1,095007942	Slc16a13
17512816	6,954492	7,210467	7,180085	6,999471	7,587131	7,151276	7,1150147	7,245959333	0,13094467	1,095010472	Dhodh
17233210	6,281729	6,708732	6,328807	6,580931	6,761349	6,369824	6,439756	6,570701333	0,13094533	1,095010978	Gp49a
17201271	5,241149	5,32274	5,230827	5,663518	5,353915	5,170302	5,2649053	5,395911667	0,13100633	1,095057278	---
17297660	5,09224	5,108051	5,016737	4,844456	5,485593	5,280011	5,0723427	5,203353333	0,13101067	1,095060567	1700112E06Rik
17550192	4,818832	5,063231	4,912469	5,017511	5,225094	4,94496	4,9315107	5,062521667	0,131011	1,09506082	---
17541140	3,712718	3,523485	3,805545	4,131116	3,63622	3,667512	3,6805827	3,811616	0,13103333	1,095077772	4930430D24Rik
17354804	8,243055	7,944201	8,379679	8,317963	8,363541	8,278542	8,1889783	8,320015333	0,131037	1,095080555	Grpel2
17349520	9,428767	9,534109	9,420425	9,495459	9,694948	9,58602	9,4611003	9,592142333	0,131042	1,095084351	Ctnna1
17213349	7,090974	7,069807	7,017097	7,304054	7,03091	7,23612	7,0592927	7,190361333	0,13106867	1,095104592	Carf
17502051	5,904283	5,746314	6,064376	5,957007	6,083139	6,068053	5,904991	6,036066333	0,13107533	1,095109653	Il12rb1
17378922	5,683784	5,954637	5,868794	5,621266	6,374915	5,904359	5,8357383	5,966846667	0,13110833	1,095134702	Slc32a1
17372114	5,116352	5,120437	5,272588	5,321805	5,446195	5,134725	5,1697923	5,300908333	0,131116	1,095140522	Hoxd1
17477811	7,320455	7,367888	7,117388	7,55418	7,300034	7,34489	7,268577	7,399701333	0,13112433	1,095146848	Gys1
17471492	6,314448	6,146234	6,105546	6,410577	6,303093	6,245942	6,1887427	6,319870667	0,131128	1,095149631	2310001H17Rik
17342012	7,467783	7,940686	7,568755	7,674934	7,616096	8,079601	7,6590747	7,790210333	0,13113567	1,095155451	---
17391469	8,886271	9,0576	8,759406	9,237262	8,840322	9,019188	8,9010923	9,032257333	0,131165	1,095177718	---
17494445	5,392795	5,308424	4,987406	5,270524	5,133735	5,677886	5,2295417	5,360715	0,13117333	1,095184044	Olfr667
17507476	3,820877	4,264914	4,207107	4,103416	4,191434	4,391582	4,0976327	4,228810667	0,131178	1,095187587	1700016D06Rik

17522637	4,56791	4,58844	4,620132	4,820343	4,606821	4,743015	4,5921607	4,723393	0,13123233	1,095228834	Arpp21
17259559	5,66228	5,56422	5,616689	5,737663	5,85745	5,6418	5,6143963	5,745637667	0,13124133	1,095235666	Uts2r
17547831	4,313586	4,310342	4,459575	4,599744	4,267471	4,610017	4,3611677	4,492410667	0,131243	1,095236931	1110020C17Rik
17402468	4,077575	4,04765	4,030117	4,000248	4,373478	4,175362	4,0517807	4,183029333	0,13124867	1,095241233	---
17388716	9,019117	9,108114	9,065578	9,163126	9,283795	9,139727	9,0642697	9,195549333	0,13127967	1,095264767	Trim44
17533823	8,231393	7,62094	7,85433	8,34744	7,654224	8,09885	7,902221	8,033504667	0,13128367	1,095267804	Gm19971 // Gm19971
17504293	7,565158	7,531922	7,063661	7,479956	7,458561	7,616096	7,3869137	7,518204333	0,13129067	1,095273118	Mmp15
17284542	2,795535	2,949203	3,022621	2,990023	3,364567	2,806647	2,922453	3,053745667	0,13129267	1,095274637	---
17305413	5,874909	5,702392	5,258832	6,082608	5,470994	5,676452	5,6120443	5,743351333	0,131307	1,095285519	Gm10377
17532786	4,128725	4,178303	4,287101	4,284982	4,408831	4,29424	4,198043	4,329351	0,131308	1,095286278	Akap4
17435734	3,346696	3,442083	3,723077	3,79297	3,61704	3,495828	3,503952	3,635279333	0,13132733	1,095300956	Gm4961
17396576	4,375955	4,241644	4,248109	4,296114	4,575765	4,387832	4,2885693	4,419903667	0,13133433	1,09530627	---
17306793	7,098146	7,169135	7,16928	7,240136	7,159744	7,430727	7,1455203	7,276869	0,13134867	1,095317152	Tinf2
17202733	7,226947	6,923615	7,364461	7,566056	7,117436	7,22562	7,1716743	7,303037333	0,131363	1,095328034	---
17391417	4,797152	4,253149	4,426537	4,649347	4,626016	4,595592	4,4922793	4,623651667	0,13137233	1,09533512	---
17364026	4,997942	4,843071	5,15578	5,204409	5,106809	5,079763	4,998931	5,130327	0,131396	1,095353089	Lipo1
17541036	8,999162	9,150549	8,928906	9,156741	9,15779	9,158292	9,0262057	9,157607667	0,131402	1,095357644	Ndufa1
17442227	7,736669	7,672954	7,804014	7,962285	7,890281	7,755296	7,737879	7,869287333	0,13140833	1,095362453	Psmd9
17203915	7,245357	6,769288	6,122785	6,863606	6,914925	6,753164	6,7124767	6,843898333	0,13142167	1,095372576	---
17201537	5,737019	4,752242	5,127447	5,199988	5,07652	5,734484	5,2055693	5,336997333	0,131428	1,095377385	---
17200383	5,097768	5,100462	4,692363	4,816906	5,780896	4,687099	4,963531	5,094967	0,131436	1,095383459	---
17523834	3,277045	3,293556	3,013952	3,298712	3,20645	3,473774	3,194851	3,3263112	0,131461	1,095402441	Mmp1b
17427183	13,53377	13,44999	13,45576	13,55876	13,61985	13,65536	13,47984	13,61132333	0,13148333	1,095419398	Gm12070 // Gm12070
17478474	13,53377	13,44999	13,45576	13,55876	13,61985	13,65536	13,47984	13,61132333	0,13148333	1,095419398	Gm12070 // Gm12070
17209969	6,545445	6,597388	6,917309	6,964457	6,560621	6,929519	6,686714	6,818199	0,131485	1,095420663	---
17462719	8,90276	8,969881	8,852147	9,192865	8,956996	8,969569	8,9082627	9,03981	0,13154733	1,095467993	Necap1
17272339	5,344243	5,043574	5,141977	5,251287	5,30585	5,367349	5,176598	5,308162	0,131564	1,095480649	Foxj1
17504512	4,178504	3,976052	4,063323	3,813306	4,426624	4,372652	4,0726263	4,204194	0,13156767	1,095483433	Ces2c
17500451	3,155151	3,56687	3,368728	3,58377	3,524285	3,377404	3,363583	3,495153	0,13157	1,095485205	Hmgb1-rs17
17234795	6,375054	6,445861	6,492857	6,579566	6,539785	6,589188	6,437924	6,569513	0,131589	1,095499632	Gm19722
17357752	8,144964	8,118515	7,751499	8,135777	8,203257	8,070722	8,0049927	8,136585333	0,13159267	1,095502416	Patl1
17548850	10,58137	10,68084	10,62374	10,71586	10,78618	10,77874	10,62865	10,76026	0,13161	1,095515579	Arpc1b // Arpc1b
17413403	5,902797	5,651607	5,943067	6,042104	5,890714	5,959702	5,8324903	5,964173333	0,131683	1,095571013	Npr2
17293471	8,735541	8,367764	8,188301	8,758176	8,456669	8,471825	8,4305353	8,562223333	0,131688	1,09557481	---
17545251	6,88309	6,619761	6,797924	6,952018	6,819956	6,923886	6,766925	6,89862	0,131695	1,095580125	---
17545257	6,88309	6,619761	6,797924	6,952018	6,819956	6,923886	6,766925	6,89862	0,131695	1,095580125	---
17250638	8,177464	8,047734	8,022594	8,023504	8,330222	8,289206	8,0825973	8,214310667	0,13171333	1,095594048	Specc1
17366153	6,080895	6,2197	6,06273	6,115573	6,204116	6,438828	6,1211083	6,252839	0,13173067	1,095607211	BC029127
17539768	3,645881	3,663481	3,735355	4,075329	3,89002	3,474603	3,6815723	3,813317333	0,131745	1,095618096	Nudt10
17288716	10,2178	10,26477	10,14193	10,23017	10,43925	10,35055	10,208167	10,33999	0,13182333	1,095677586	Glrx
17471252	6,930995	6,793703	6,600174	6,893061	6,849519	6,977856	6,7749573	6,906812	0,13185467	1,095701383	Tspan9
17307738	5,387759	5,716268	5,50626	5,518276	5,785056	5,702579	5,5367623	5,668637	0,13187467	1,095716573	Fzd3
17409839	8,52835	8,525859	8,264545	8,609536	8,579031	8,525859	8,4395847	8,571475333	0,13189067	1,095728724	Ptbp2
17542110	3,476171	3,600589	3,540986	3,676218	3,847711	3,489534	3,5392487	3,671154333	0,13190567	1,095740117	4933436I01Rik
17426808	6,616183	6,704936	6,389539	6,807563	6,643525	6,655379	6,5702193	6,702155667	0,13193633	1,095763409	Frem1
17242629	5,987756	6,025168	6,070827	6,239869	6,1319	6,107892	6,027917	6,159887	0,13197	1,09578898	Shc2 // Shc2
17284247	5,601392	5,432617	5,715809	5,698809	5,710165	5,736757	5,5832727	5,715243667	0,131971	1,095789739	Gpr132
17387878	3,60689	3,382146	3,110552	3,648899	3,49877	3,347841	3,3665293	3,498503333	0,131974	1,095792018	Olfr1215
17370297	4,373659	4,798465	4,874368	4,834899	4,770968	4,836574	4,682164	4,814147	0,131983	1,095798854	Gm13429
17203231	4,879802	5,369987	4,859606	4,387482	5,379341	5,738561	5,036465	5,168461333	0,13199633	1,095808981	---
17225853	3,633566	3,423012	3,740918	3,635073	3,664766	3,89375	3,5991653	3,731196333	0,132031	1,095835313	Slco6b1
17209209	5,63355	6,468005	5,744798	6,2631	6,39275	5,586612	5,9487843	6,080820667	0,13203633	1,095839364	---
17286487	9,696527	9,877243	9,679317	9,829227	9,921465	9,898524	9,751029	9,883072	0,132043	1,095844428	Bphl
17266873	4,860756	4,613297	5,283381	5,341189	4,849375	4,963043	4,9191447	5,051202333	0,13205767	1,095855569	Slfn10-ps
17281481	4,440769	4,36426	4,595223	4,969392	4,412137	4,414939	4,4667507	4,598822667	0,132072	1,095866456	Gm17821
17518244	4,878724	4,614718	4,814906	4,959963	5,103092	4,641517	4,7694493	4,901524	0,13207467	1,095868482	---
17215251	8,590414	8,680757	8,6296	8,826705	8,735997	8,734376	8,6335903	8,765692667	0,13210233	1,095889497	Gigyf2
17283096	6,540288	6,438317	6,594033	6,622725	6,76623	6,580266	6,5242127	6,656407	0,13219433	1,095959384	Galc
17209997	3,052493	3,220016	3,028492	3,197457	3,470376	3,029754	3,1003337	3,232529	0,13219533	1,095960144	---
17450918	6,705404	6,71753	7,185275	7,156362	6,916942	6,931633	6,869403	7,001645667	0,13224267	1,095996102	Crlf2
17314855	5,005976	5,13909	5,195727	5,234783	5,210038	5,2927	5,1135977	5,245840333	0,13224267	1,095996102	Accn2
17487479	5,128598	5,120563	5,109549	5,214692	5,255058	5,28583	5,11957	5,25186	0,13229	1,096032061	Ceacam19
17377338	5,032131	4,902207	5,122648	5,017066	5,207185	5,229849	5,0189953	5,151366667	0,13237133	1,096093852	A530006G24Rik
17542320	4,682795	5,221807	4,934156	4,87975	5,422268	4,933865	4,9462527	5,078627667	0,132375	1,096096638	Xlr3c
17349082	5,45964	5,011669	5,732648	5,295126	5,698613	5,607517	5,401319	5,533752	0,132433	1,096140705	Gm3227
17331656	7,297208	7,244639	7,226417	7,261921	7,424032	7,479676	7,256088	7,388543	0,132455	1,09615742	Atp5j
17307905	8,211332	8,163361	8,127237	8,307116	8,295088	8,297117	8,16731	8,299773667	0,13246367	1,096164005	Dpysl2
17204197	6,193408	6,060578	5,966657	6,151513	6,354217	6,112625	6,0735477	6,206118333	0,13257067	1,096245307	---
17299672	5,040801	4,623466	5,110438	5,021007	5,137328	5,014135	4,9249017	5,05749	0,13258833	1,096258731	Tppp2 // Tppp2
17270193	10,20879	10,08911	10,06714	10,2669	10,24123	10,25471	10,12168	10,25428	0,1326	1,096267597	Slc25a39
17514904	2,719872	2,891545	3,081503	2,977782	3,094266	3,018763	2,89764	3,030270333	0,13263033	1,096290646	---
17203759	6,565094	6,122009	6,121029	6,27529	6,310846	6,619918	6,2693773	6,402018	0,13264067	1,096298499	---
17343505	8,423279	8,602919	8,620629	8,62993	8,576008	8,838819	8,5489423	8,681585667	0,13264333	1,096300525	Cyp4f13
17284382	4,468368	4,381341	4,370886	4,545132	4,414936	4,658458	4,406865	4,539508667	0,13264367	1,096300778	---
17453454	6,775571	7,451881	6,851794	7,255948	7,083999	7,137235	7,0264153	7,159060667	0,13264533	1,096302045	Eln
17290005	5,394874	5,317862	5,197867	5,038306	5,750425	5,519832	5,3035343	5,436187667	0,13265333	1,096308124	Mir449a
17299044	5,985511	5,78892	5,259771	6,019083	5,76441	5,648722	5,6780673	5,810738333	0,132671	1,096321549	Gm5622
17238842	6,115489	6,25602	5,854166	6,341386	6,03038	6,251959	6,075225	6,207908333	0,13268333	1,096330921	Syne1
17498331	6,173804	5,968254	6,401258	6,21072	6,424118	6,306531	6,1811053	6,313789667	0,13268433	1,096331681	Osbpl5
17338280	8,336517	8,34973	8,390277	8,496882	8,547709	8,429989	8,3588413	8,491526667	0,13268533	1,096332441	Med20
17547546	5,988574	5,678878	6,091259	6,076794	6,182364	5,897666	5,9195703	6,052274667	0,13270433	1,09634688	---
17359937	11,47676	11,39179	11,40018	11,60178	11,67221	11,39289	11,42291	11,55562667	0,13271667	1,096356252	---
17371390	7,540037	7,570841	7,433853	7,491277	7,809398	7,642237	7,5149103	7,647637333	0,132727	1,096364105	Nostrin
17423885	3,351853	3,723576	3,600049	3,464347	3,787821	3,821574	3,5584927	3,691247333	0,13275467	1,09638513	Gm136
17352114	7,045924	7,147955	7,189559	7,192327	7,412824	7,176552	7,1278127	7,260567667	0,132755	1,096385383	---
17352116	7,045924	7,147955	7,189559	7,192327	7,412824	7,176552	7,1278127	7,260567667	0,132755	1,096385383	---
17204529	5,388898	5,038647	4,835117	5,507304	5,185462	4,968362	5,087554	5,220376	0,132822	1,096436302	---
17423901	8,975433	8,881182	8,887017	9,046358	9,06293	9,032835	8,914544	9,047374333	0,13283033	1,096442635	Zfp292
17237835	8,022634	8,198144	8,055803	8,236805	8,209484	8,228816	8,0921937	8,225035	0,13284133	1,096450995	Ctdsp2
17538441	6,410935	6,012778	6,20266	6,257665	6,172451	6,594811	6,208791	6,341642333	0,13285133	1,096458595	Gm15128
17287772	6,379866	5,952265	6,079206	6,253335	6,215039	6,341603	6,1371123	6,269992333	0,13288	1,096480382	Pcbd2
17540634	6,278115	5,493282	5,083599	6,128373	5,385503	5,739793	5,618332	5,751223	0,132891	1,096488742	Gm10486
17372284	4,449352	4,181813	4,429928	4,611899	4,514318	4,333656	4,3536977	4,486624333	0,13292667	1,09651585	Gm14461
17548078	5,540519	5,704788	5,666732	5,670149	5,74676	5,893976	5,6373463	5,770295	0,13294867	1,096532572	Gm5237
17380915	6,304203	6,501607	6,583036	6,501677	6,501607	6,784444	6,4629487	6,595909333	0,13296067	1,096541692	Col20a1
17464922	3,787965	3,763704	3,844402	4,005617	3,852139	3,937216	3,7986903	3,931657333	0,132967	1,096546506	Gpr85
17212045	4,965614	5,145759	5,187851	5,196534	5,180768	5,320828	5,0997413	5,23271	0,13296867	1,096547773	Gm5099
17412237	8,087384	8,242126	8,231012	8,382887	8,367094	8,209457	8,1868407	8,319812667	0,132972	1,096550306	Mms22l
17336752	6,771609	6,893653	7,085836	7,266246	7,03966	6,844111	6,9170327	7,050005667	0,132973	1,096551066	Zbtb12
17369340	7,057325	7,134392	6,994272	7,373779	7,084743	7,126479	7,0619963	7,195000333	0,133004	1,096574629	Gpr107
17394478	5,802289	5,529501	6,02839	5,715302	6,009254	6,034663	5,7867267	5,919739667	0,133013	1,09658147	2810408M09Rik
17529099	5,773293	6,409128	5,920497	6,128144	6,285629	6,088243	6,034306	6,167338667	0,13303267	1,096596418	Col12a1
17493119	6,421028	6,376094	6,140662	6,397171	6,361696	6,578017	6,3125947	6,445628	0,13303333	1,096596925	---
17446017	6,181125	6,651855	6,575115	6,878018	6,378535	6,550682	6,469365	6,602411667	0,13304667	1,09660706	Gm15421
17309397	7,136592	7,352018	6,991188	7,104702	7,541294	7,232948	7,1599327	7,292981333	0,13304867	1,09660858	Tgds
17341963	7,642261	7,529835	7,531058	7,763086	7,677659	7,661617	7,567718	7,700787333	0,13306933	1,096624289	Slc9a3r2
17208139	4,853795	4,895018	4,604564	4,44193	5,216022	5,094675	4,784459	4,917542333	0,13308333	1,09663493	---
17398198	5,720044	5,769111	5,784188	5,790316	5,847915	6,034383	5,757781	5,890871333	0,13309033	1,096640252	Schip1
17516166	3,346808	3,126524	3,345964	3,235818	3,577625	3,405133	3,2730987	3,406192	0,13309333	1,096642532	Olfr902
17209787	7,131432	6,302827	7,204518	6,807055	7,345022	6,885981	6,8795923	7,012686	0,13309367	1,09664286	---
17531987	8,086395	8,846914	7,989259	8,107899	8,188305	8,225746	8,040856	8,173983333	0,13312733	1,096668377	Tgfbr2
17384689	3,970443	4,089444	4,192165	4,192675	4,107392	4,351399	4,0840173	4,217155333	0,133138	1,096676485	---
17449549	9,335812	9,949615	9,932247	9,88573	9,809267	9,922121	9,7392247	9,872372667	0,133148	1,096684087	---
17211885	5,007387	4,959696	4,954212	5,194128	5,095649	5,030967	4,973765	5,106914667	0,13314967	1,096685354	Vwa3b
17352907	3,636311	3,599614	3,832623	3,784516	3,897973	3,785603	3,689516	3,822697333	0,13318133	1,096709426	4921533I20Rik
17474676	4,290876	3,86154	4,313786	4,276212	4,324005	4,265691	4,1554007	4,288636	0,13323533	1,096750477	---
17370334	3,512711	3,182438	3,424134	3,617	3,536896	3,365114	3,3730943	3,506336667	0,13324233	1,096755798	Olfr342
17409184	6,907929	6,998167	7,093863	7,193631	7,109279	7,096935	6,9999863	7,133281667	0,13329533	1,09679609	Ampd2
17325497	10,79127	10,53314	10,41717	10,51695	10,76488	10,85969	10,580527	10,71384	0,13331333	1,096809775	Hgd
17527481	6,968152	6,90909	6,788472	6,836912	7,119359	7,109414	6,8885713	7,021895	0,13332367	1,096817631	Neil1
17389938	6,230867	6,212252	6,115915	6,272262	6,335236	6,351604	6,1863447	6,319700667	0,133356	1,096842212	Ltk
17201069	9,882798	10,07882	10,02302	9,759219	10,30497	10,32059	9,9948793	10,12825967	0,13338033	1,096860713	---
17230469	6,210835	5,908597	6,364076	6,616814	6,235624	6,031373	6,1611693	6,294603667	0,13343433	1,096901769	H3f3a
17266520	12,15735	11,92511	11,72858	12,00795	12,09476	12,10873	11,937013	12,07048	0,13346667	1,096926353	Lgals9
17285683	5,166039	4,76475	5,078504	5,180172	5,136544	5,093103	5,0030977	5,136606333	0,13350867	1,096958287	Hist1h2bm
17293911	5,937586	5,734854	5,638204	5,669635	5,853097	6,188535	5,7702147	5,903755667	0,133541	1,096982872	Rslcan18
17201791	2,669701	3,180065	2,601993	3,137022	2,920219	2,795162	2,817253	2,950801	0,133548	1,096988195	---
17201967	2,669701	3,180065	2,601993	3,137022	2,920219	2,795162	2,817253	2,950801	0,133548	1,096988195	---
17456692	5,835777	6,049734	5,935651	6,088305	5,947386	6,18616	5,9403873	6,073950333	0,133563	1,0969996	Irf5
17216169	5,653532	5,858448	5,683259	5,855331	6,014754	5,725868	5,7317463	5,865317667	0,13357133	1,097005937	---
17345894	7,68189	7,688245	7,60403	7,807959	7,772511	7,794459	7,658055	7,791643	0,133588	1,09701861	Tbc1d5
17227727	2,979257	2,992278	2,956289	3,283609	3,137013	2,907992	2,9759413	3,109538	0,13359667	1,0970252	---
17320499	8,135604	7,88276	8,147083	8,189731	8,269848	8,106772	8,055149	8,188783667	0,13363467	1,097054096	BC090627
17234972	6,213582	6,151727	6,129264	6,38833	6,29479	6,212396	6,1648577	6,298505333	0,13364767	1,097063981	9130017N09Rik

17356410	5,649571	5,590466	5,751073	5,788495	5,724762	5,878818	5,6637033	5,797358333	0,133655	1,097069558	Sart1
17204479	6,163777	6,403665	6,444822	6,229283	6,330161	6,853882	6,3374213	6,471108667	0,13368733	1,097094145	---
17512654	5,022048	5,174528	4,88103	5,01951	5,123159	5,336057	5,0258687	5,159575333	0,13370667	1,097108847	Pla2g15 // Pla2g15
17324695	5,679134	5,654929	5,871299	5,914185	5,847956	5,844397	5,7351207	5,868846	0,13372533	1,097123043	Mfi2
17396257	3,028688	3,431498	3,093656	2,943458	3,707188	3,304434	3,184614	3,31836	0,133746	1,097138759	Gm17771
17202057	4,08767	4,782094	4,586652	4,689919	4,312871	4,85487	4,485472	4,61922	0,133748	1,09714028	---
17399797	4,773443	4,39884	4,74807	4,68979	4,769564	4,862419	4,6401177	4,773924333	0,13380667	1,097184896	S100a3
17456067	3,820497	3,523862	3,789285	3,690289	3,931564	3,913233	3,7112147	3,845028667	0,133814	1,097190473	---
17318807	3,31955	3,470853	3,670638	3,608648	3,809534	3,44432	3,4870137	3,620834	0,13382033	1,097195289	Apol10b
17473959	4,588202	4,976972	4,976972	4,892555	4,94217	5,108882	4,847382	4,981202333	0,13382033	1,097195289	Obox2
17409461	6,430457	6,47824	6,593838	6,480589	6,682966	6,740658	6,500845	6,634737667	0,13389267	1,097250302	4921515J06Rik // 4921515J06Rik
17247064	6,066377	5,910736	6,24305	6,074553	6,281358	6,266082	6,0733877	6,207331	0,13394333	1,097288837	---
17248621	5,98305	6,342616	6,359056	6,225421	6,57292	6,288315	6,2282407	6,362218667	0,133978	1,097315204	Ccnjl
17207077	6,96195	7,140968	7,147714	7,21076	7,263698	7,178151	7,083544	7,217536333	0,13399233	1,097326106	---
17426126	7,784688	7,835053	7,76135	7,94861	7,923368	7,911126	7,793697	7,927701333	0,13400433	1,097335234	Fkbp15
17292325	4,333029	4,710577	4,208897	4,1477	4,873827	4,632998	4,417501	4,551508333	0,13400733	1,097337515	Mirlet7d
17206413	3,817789	4,471068	4,215238	4,129992	4,497169	4,279029	4,1680317	4,302063333	0,13403167	1,097356024	---
17411018	3,392065	3,30998	3,123178	3,142544	3,309126	3,775684	3,2750743	3,409118	0,13404367	1,097365151	---
17380079	4,0184	3,60699	3,69921	3,952361	4,047975	3,726424	3,7748667	3,90892	0,13405333	1,097372504	---
17476360	5,371261	5,683407	5,42771	5,387416	5,599042	5,898081	5,494126	5,628179667	0,13405367	1,097372758	Sdhaf1 // Sdhaf1
17255540	4,562429	4,743434	4,706932	4,573743	4,962404	4,878896	4,6709317	4,805014333	0,13408267	1,097394817	Gm11538
17542209	3,635985	3,499058	3,225504	3,658969	3,589159	3,514823	3,4535157	3,587650333	0,13413467	1,097434372	Mir224 // Mir224
17300221	3,775548	3,746526	3,686903	3,773031	3,98411	3,854242	3,7363257	3,870461	0,13413533	1,097434879	---
17259937	9,80036	9,851102	9,489503	9,777214	9,844398	9,921767	9,713655	9,847793	0,134138	1,097436907	Sec14l2
17209679	3,041603	3,300419	3,554321	3,342199	3,6059	3,350767	3,298781	3,432955333	0,13417433	1,097464546	---
17370487	5,455621	5,524061	5,156749	5,619037	5,37984	5,540114	5,3788103	5,512997	0,13418667	1,097473928	Olfml2a
17207843	5,364453	5,700212	5,242272	5,995267	5,29481	5,419441	5,4356457	5,569839333	0,13419367	1,097479253	---
17327194	3,94814	3,927527	4,01564	4,203672	3,944086	4,146225	3,963769	4,097994333	0,13422533	1,097503342	D430001F17Rik
17202209	6,576079	5,968192	6,150321	6,497537	6,065869	6,533935	6,2315307	6,365780333	0,13424967	1,097521854	---
17473688	4,218376	4,627257	4,139281	4,3327	4,819562	4,235415	4,3283047	4,462559	0,13425433	1,097525404	Zscan4c
17423638	5,174663	4,972961	4,970904	5,269279	5,123022	5,129027	5,0395093	5,173776	0,13426667	1,097534786	---
17398272	4,352737	4,219818	4,236885	4,388215	4,320176	4,503874	4,2698133	4,404088333	0,134275	1,097541126	Arl14
17201715	6,918634	6,003991	6,151817	7,095604	5,974288	6,407596	6,3581473	6,492496	0,13434867	1,09759717	---
17201891	6,918634	6,003991	6,151817	7,095604	5,974288	6,407596	6,3581473	6,492496	0,13434867	1,09759717	---
17443185	7,721466	7,472136	7,669373	7,826792	7,84522	7,594033	7,6209917	7,755348333	0,13435667	1,097603256	Mlxipl
17201457	3,259833	3,480315	3,239383	3,547177	3,221524	3,614012	3,3265103	3,460904333	0,134394	1,09763166	---
17337625	3,012503	3,196017	3,114832	3,300115	3,395695	3,030783	3,107784	3,242197667	0,13441367	1,097646623	Olfr133
17476119	6,458452	6,214842	6,249225	6,366222	6,704875	6,254673	6,3075063	6,441923333	0,134417	1,097649159	Ppp1r14a
17550827	4,140245	4,389275	4,479456	4,345981	4,449924	4,616424	4,3363253	4,470776333	0,134451	1,097675027	---
17437727	6,337313	6,478931	6,413682	6,42423	6,75033	6,458721	6,4099753	6,544427	0,13445167	1,097675535	Wdr19
17437247	10,03368	10,12701	9,658535	10,02344	10,01252	10,18667	9,9397417	10,07421	0,13446833	1,097688216	Lap3
17419437	6,677822	6,839593	7,034257	6,994203	7,012055	6,948914	6,8505573	6,985057333	0,1345	1,09771231	Ptafr
17473390	6,284496	6,188561	6,474647	6,183222	6,579184	6,588857	6,3159013	6,450421	0,13451967	1,097727274	Gm10051 // Rpl28
17250700	5,329195	5,913861	5,323708	5,337011	5,679673	5,953663	5,5222547	5,656782333	0,13452767	1,097733361	Ubb
17432749	4,834193	4,219727	4,053528	4,303176	4,343305	4,864587	4,3691493	4,503689333	0,13454	1,097742745	2610305D13Rik
17367642	3,125555	3,681687	3,403061	3,456921	3,602244	3,554781	3,4034343	3,537982	0,13454767	1,097748579	---
17315305	6,409942	6,550085	6,638613	6,643803	6,752769	6,605804	6,53288	6,667458667	0,13457867	1,097772167	Igfbp6
17285715	5,040947	5,304472	5,082551	5,152776	5,342961	5,335984	5,1426567	5,277240333	0,13458367	1,097775972	Zfp184
17407903	3,624056	3,557378	3,42289	3,781662	3,785525	3,440935	3,5347747	3,669374	0,13459933	1,097787893	---
17206927	7,1113	6,956053	7,316312	7,190409	7,588229	7,008853	7,1278883	7,262497	0,13460867	1,097794995	---
17463354	4,671388	4,666162	4,681187	4,686492	4,929028	4,807065	4,6729123	4,807528333	0,134616	1,097800575	---
17309152	3,537254	3,39666	3,609703	3,524314	3,553077	3,870086	3,514539	3,649159	0,13462	1,097803619	---
17334932	8,985525	8,852982	8,968781	9,026299	9,11626	9,068616	8,9357627	9,070391667	0,134629	1,097810467	Ergic1
17529322	9,092949	9,228391	9,070165	9,187172	9,320877	9,287362	9,1305017	9,265137	0,13463533	1,097815286	Ibtk
17337927	6,537579	6,342466	6,254762	6,513328	6,537245	6,488308	6,378269	6,512960333	0,13469133	1,0978579	Nfkbie
17287464	5,175771	5,276218	5,256314	5,280259	5,499981	5,33219	5,236101	5,37081	0,134709	1,097871344	Arl10
17327594	6,866351	6,64862	6,666757	6,840355	6,769985	6,975534	6,7272427	6,861958	0,13471533	1,097876164	Zfp597
17319847	8,282517	7,98034	7,781542	8,051291	8,170665	8,226663	8,0147997	8,149539667	0,13474	1,097894935	Ttll1
17508868	7,974105	7,988271	7,835572	8,098788	7,902566	8,200832	7,9326493	8,067395333	0,134746	1,097899501	Cnot7
17257760	5,245955	5,063337	5,060436	5,379377	5,18273	5,211864	5,1232427	5,257990333	0,13474767	1,09790077	Ccdc46
17405908	9,632396	9,621724	9,546988	9,735322	9,705933	9,764148	9,6003693	9,735134333	0,134765	1,09791396	Bche // Bche
17462705	7,296198	7,139047	7,041912	7,42566	7,17493	7,280973	7,1590523	7,293854333	0,134802	1,097942118	Foxj2
17317637	7,772853	7,855939	7,694615	8,058932	7,960262	7,708621	7,774469	7,909271667	0,13480267	1,097942626	Sla
17221243	10,32495	10,70428	10,52685	10,65107	10,78819	10,52129	10,518693	10,65351667	0,13482333	1,097958354	---
17360386	5,874995	5,631683	5,711531	5,856783	5,914519	5,851379	5,739403	5,874227	0,134824	1,097958861	Rbm20
17221114	4,86496	4,701995	4,882946	4,624033	5,133976	5,096431	4,8166337	4,95148	0,13484633	1,097975858	4732440D04Rik
17494559	6,964111	7,213694	6,914861	7,190985	7,277178	7,029065	7,0308887	7,165742667	0,134854	1,097981693	Arfip2
17542300	5,426251	5,659989	5,529453	5,788014	5,616137	5,616137	5,5385643	5,673429333	0,134865	1,097990065	4930408F14Rik
17407716	7,488928	7,504098	7,580055	7,534598	7,692057	7,751025	7,5243603	7,659226667	0,13486633	1,097991079	Tnfaip8l2
17476911	2,788809	3,009231	3,105855	2,94731	3,020783	3,340597	2,967965	3,102896667	0,13493167	1,098040804	---
17355282	4,432536	4,415126	4,376554	4,716093	4,149704	4,763258	4,408072	4,543018333	0,13494633	1,098051967	Ccdc68
17314872	7,028665	7,19667	7,144814	7,225208	7,209608	7,340229	7,123383	7,258348333	0,13496533	1,098066428	Smarcd1
17451614	7,237813	7,514103	7,40837	7,645124	7,430335	7,489754	7,386762	7,521737667	0,13497567	1,098074293	2610524H06Rik // 2610524H06Rik
17427886	3,675836	3,714424	3,905813	4,04874	3,91196	3,740324	3,7653577	3,900341333	0,13498367	1,098080382	---
17302889	10,07853	9,943523	9,991822	10,14137	10,10488	10,17258	10,004625	10,13961	0,134985	1,098081397	Pcca
17261539	5,33351	5,589369	5,50698	5,753825	5,440099	5,640914	5,4766197	5,611612667	0,134993	1,098087486	---
17245902	9,889791	9,906952	9,975784	10,12886	9,997446	10,0512	9,9241757	10,05916867	0,134993	1,098087486	Shmt2
17346635	3,737632	3,587759	4,318432	3,921254	4,240746	3,886837	3,8812743	4,016279	0,13500467	1,098096366	---
17201309	4,395941	4,738878	3,975709	4,408393	4,38456	4,722601	4,370176	4,505184667	0,13500867	1,09809941	---
17421227	5,150171	5,19038	5,439961	5,65038	5,324877	5,210418	5,2601707	5,395225	0,13505433	1,09813417	Gm13078
17548985	4,713706	4,47504	4,473829	4,701197	4,619344	4,747273	4,5541917	4,689271333	0,13507967	1,098153453	Gm19678
17294816	4,330185	4,395329	4,447028	4,437655	4,956825	4,183425	4,3908473	4,525968333	0,135121	1,098184916	Ckmt2
17200047	3,018262	3,833174	3,189692	3,011249	3,853813	3,581469	3,3470427	3,482177	0,13513433	1,098195065	---
17278009	4,279854	4,306873	4,279854	4,466008	4,598204	4,207778	4,2888603	4,423996667	0,13513633	1,098196587	Trip11
17503362	5,573616	6,026141	5,842808	6,071157	5,828132	5,948696	5,8141883	5,949328333	0,13514	1,098199379	Fbxw9
17228426	8,541572	8,81552	8,547642	8,699941	8,693904	8,916496	8,6349113	8,770113667	0,13520233	1,098246829	Cep350
17376805	4,76875	4,915565	5,33998	5,034958	5,119758	5,275219	5,0080983	5,143311667	0,13521333	1,098255202	Ankrd5
17474544	4,931736	4,782724	5,043969	4,981303	5,086794	5,095988	4,9194763	5,054695	0,13521867	1,098259262	---
17394574	5,316721	5,427997	5,310339	5,615686	5,461782	5,383286	5,3516857	5,486918	0,13523233	1,098269666	---
17350671	11,6013	11,79535	11,64226	11,6891	11,68825	12,06738	11,679637	11,81491	0,13527333	1,098300878	---
17445713	7,063304	7,055797	7,191047	7,38115	7,379522	6,955338	7,1033827	7,23867	0,13528733	1,098311536	Mir5109 // Mir5109
17424913	6,56707	6,948662	6,86881	7,070925	6,867953	6,851527	6,7948473	6,930135	0,13528767	1,09831179	Fbxo10
17527027	4,863928	4,757782	5,204997	5,133016	5,221137	4,878455	4,9422357	5,077536	0,13530033	1,098321433	AI593442
17228825	7,323953	7,412588	7,329734	7,532485	7,44451	7,495218	7,355425	7,490737667	0,13531267	1,098330823	Klhl20
17248067	8,369444	8,389999	8,384527	8,60017	8,486572	8,463182	8,3813233	8,516641333	0,135318	1,098334883	---
17200331	4,924936	5,494915	4,691414	4,675537	5,367197	5,474539	5,0370883	5,172424333	0,135336	1,098348587	---
17319997	5,269621	5,254241	5,497488	5,33219	5,618625	5,476568	5,34045	5,475794333	0,13534433	1,098354931	Phf21b
17387578	5,974157	5,93365	6,243947	6,371225	5,803744	6,382841	6,0505847	6,185936667	0,135352	1,098360768	Olfr988
17408163	6,653836	6,243146	6,411418	6,513339	6,491498	6,709816	6,4361333	6,571551	0,13541767	1,098410763	Bcl9
17202267	6,334858	5,883778	6,103723	6,251171	6,239536	6,23791	6,107453	6,242872333	0,13541933	1,098412032	---
17250344	4,928734	5,03761	5,020054	5,23593	5,079983	5,076787	4,995466	5,1309	0,135434	1,098423198	Lrrc48
17337065	5,588858	5,640835	5,397058	5,786033	5,779922	5,467115	5,5422503	5,67769	0,13543967	1,098427513	H2-Q2
17263187	6,391319	6,438591	6,603947	6,790756	6,500237	6,549195	6,4779523	6,613396	0,13544367	1,098430558	Olfr318
17442740	5,977273	5,787495	6,037446	6,195246	6,020718	5,992599	5,9340713	6,069521	0,13544967	1,098435126	Tmem132b
17426915	9,048848	9,408388	9,353451	9,325853	9,350108	9,54109	9,270229	9,405683667	0,13545467	1,098438933	---
17207447	7,082465	6,62884	6,447362	6,979162	6,943392	6,642565	6,7195557	6,855039667	0,135484	1,098461267	---
17438573	3,200078	3,236826	3,072411	3,262034	3,373894	3,279904	3,1697717	3,305277333	0,13550567	1,098477764	---
17538702	2,897634	2,842139	2,962487	2,962487	2,983183	3,163108	2,9007533	3,036259333	0,135506	1,098478018	---
17246404	4,139783	4,022835	4,080947	4,539585	3,985022	4,125488	4,0811883	4,216698333	0,13551	1,098481064	Olfr771
17504437	3,849518	3,566931	3,623963	3,797922	3,8883	3,760743	3,6801373	3,815655	0,13551767	1,098486901	Cmtm2b
17460465	7,667099	7,82339	7,976936	8,186065	7,93371	7,754217	7,822475	7,957997333	0,13552233	1,098490455	Asprv1
17209493	3,454137	3,262146	3,145048	3,381225	3,586864	3,299845	3,2871103	3,422644667	0,13553433	1,098499592	---
17274940	7,649513	7,217765	7,672177	7,589217	7,661362	7,695522	7,5131517	7,648700333	0,13554867	1,098510505	Atxn7l1
17221079	7,45639	6,847872	7,731467	7,385451	7,096643	7,960294	7,345243	7,480796	0,135553	1,098513805	---
17278747	3,564347	3,591488	3,524848	4,045827	3,690228	3,351319	3,5602277	3,695791333	0,13556367	1,098521927	---
17219974	5,271354	5,406075	5,394688	5,566275	5,42364	5,488927	5,3573723	5,492947333	0,135575	1,098530556	---
17345797	4,712025	4,496278	4,934221	4,523136	5,33219	4,693943	4,7141747	4,849756333	0,13558167	1,098535633	Apobec2
17357514	7,970302	7,860266	7,843534	8,178088	7,920774	7,982024	7,8913673	8,026962	0,13559467	1,098545532	Cybasc3
17515436	5,536953	5,321987	5,332859	5,52203	5,485275	5,591319	5,3972663	5,532874667	0,13560833	1,098555938	9530077C05Rik
17448308	9,192804	9,065744	8,92441	9,134318	9,166094	9,289408	9,060986	9,196606667	0,13562067	1,09856533	Ugdh
17441202	7,834698	7,892021	7,771717	8,000743	8,012868	7,891775	7,832812	7,968462	0,13565	1,098587666	Gcn1l1
17313376	6,240002	6,012134	6,088565	6,465149	6,08371	6,198879	6,113567	6,249246	0,135679	1,098609749	Tef
17326472	6,494583	6,776474	6,496572	6,732501	6,621095	6,821077	6,5892097	6,724891	0,13568133	1,098611526	Mina
17205639	2,896701	3,106773	2,487218	2,611697	2,896283	3,389774	2,8302307	2,965918	0,13568733	1,098616095	---
17325359	2,79023	2,873176	2,91911	2,800637	3,270891	2,918282	2,8608387	2,996603333	0,13576467	1,098674986	---
17341540	7,224271	7,356718	6,971871	7,164223	7,542451	7,253534	7,1842867	7,320069333	0,13578267	1,098688694	Tnfrsf12a
17334929	6,137769	6,49205	6,721343	6,746024	6,505492	6,507025	6,4503873	6,586180333	0,135793	1,098696564	Gm8225
17212009	4,193561	3,407993	4,235234	4,051939	4,054898	4,137583	3,945596	4,081473333	0,13587733	1,09876079	---
17201767	3,651848	4,682937	3,634112	4,210738	4,000248	4,165556	3,9896323	4,125514	0,13588167	1,098764091	---
17201943	3,651848	4,682937	3,634112	4,210738	4,000248	4,165556	3,9896323	4,125514	0,13588167	1,098764091	---
17497421	9,634911	9,64082	9,721541	10,0024	9,704498	9,698022	9,6657573	9,80164	0,13588267	1,098764852	Bnip3
17340629	11,86434	12,13715	12,01668	12,18189	12,08072	12,16325	12,006057	12,14195333	0,13589667	1,098775515	Mir692-1
17400804	9,02079	9,091934	9,026924	8,856577	9,461525	9,229321	9,0465493	9,182474333	0,135925	1,098797094	---
17429430	5,586407	5,921092	5,848364	6,069179	5,838068	5,85645	5,7852877	5,921232333	0,13594467	1,098812073	AA415398

17205537	4,118856	4,643638	4,679465	4,612247	4,877302	4,360317	4,480653	4,616622	0,135969	1,098830606	---
17501976	8,668759	8,989128	8,783854	9,097478	8,989128	8,763116	8,8139137	8,949907333	0,13599367	1,098849394	Isyna1
17306274	7,260046	7,068606	7,017641	7,352896	7,144076	7,257309	7,115431	7,251427	0,135996	1,098851171	Rab2b
17501748	5,469787	5,577724	5,688749	5,835549	5,478539	5,830174	5,5787533	5,714754	0,13600067	1,098854725	Lpar2
17200349	3,154881	3,201816	4,624	3,694605	3,886117	3,807992	3,6602323	3,796238	0,13600567	1,098858534	---
17519257	5,286504	5,139194	5,146731	5,252851	5,331581	5,396032	5,1908097	5,326821333	0,13601167	1,098863104	---
17532645	10,29731	10,50246	10,07228	10,11847	10,40204	10,75961	10,290683	10,42670667	0,13602333	1,09887199	---
17501891	9,106485	9,188128	9,182852	9,291709	9,2896	9,304308	9,159155	9,295205667	0,13605067	1,098892809	Cope
17286365	7,039658	6,988857	6,266418	6,891632	7,005452	6,806011	6,7649777	6,901031667	0,136054	1,098895348	Serpinb9
17516305	4,226449	3,95101	4,389033	4,269562	4,365918	4,339233	4,1888307	4,324904333	0,13607367	1,098910329	Olfr982
17241240	5,3059	4,864649	5,251143	5,300321	5,652076	4,877522	5,140564	5,276639667	0,13607567	1,098911852	H2afy2
17412952	5,521711	5,538728	6,617482	7,090723	5,749601	5,245941	5,8926403	6,028755	0,13611467	1,098941559	Gm3893
17512415	5,348466	5,223894	5,105257	5,153774	5,55287	5,379317	5,2258723	5,361987	0,13611467	1,098941559	Kctd19
17303765	7,75392	7,998205	7,813635	7,681977	8,262929	8,029244	7,8552533	7,991383333	0,13613	1,098953239	Mrps16
17354886	4,575135	4,341199	4,538791	4,623401	4,55773	4,682389	4,4850417	4,621173333	0,13613167	1,098954508	Spink7
17260075	6,826045	6,887267	6,943449	7,040109	7,26974	6,755458	6,885587	7,021769	0,136182	1,09899285	Gas2l1
17317209	10,5835	10,56322	10,37597	10,78574	10,61104	10,53449	10,507563	10,64375667	0,13619333	1,099001483	---
17208381	5,593987	5,636862	5,417635	6,040539	5,177691	5,838837	5,5494947	5,685689	0,13619433	1,099002245	---
17516284	3,154963	3,164641	3,104455	3,37945	3,198272	3,255017	3,141353	3,277579667	0,13622667	1,099026876	Olfr969
17411020	7,936482	7,790873	7,465236	7,91319	7,849889	7,838222	7,7308637	7,867100333	0,13623667	1,099034494	Dnase2b
17424884	6,408522	6,276058	6,369426	6,539939	6,294784	6,628018	6,3513353	6,487580333	0,136245	1,099040842	Pax5
17204933	5,2658	5,303006	5,326627	5,344129	5,541242	5,418807	5,2984777	5,434726	0,13624833	1,099043381	---
17296174	8,580364	8,747348	8,665005	8,765285	8,757741	8,878469	8,664239	8,800498333	0,13625933	1,099051761	Map3k1
17451020	7,161341	7,090499	6,94273	7,230932	7,039496	7,332933	7,0648567	7,201120333	0,13626367	1,099055062	Fbrsl1
17512466	7,559862	7,026303	7,664039	7,822444	7,392978	7,4436	7,4167347	7,553007333	0,13627267	1,099061919	---
17233638	11,8662	11,96926	11,90611	11,9538	12,18361	12,01299	11,913857	12,05013333	0,13627667	1,099064966	---
17230457	5,634429	5,104339	5,613693	5,649446	5,435662	5,6762	5,4508203	5,587102667	0,13628233	1,099069283	6330403A02Rik
17427100	4,009387	3,574365	3,878648	4,188147	3,714065	3,96906	3,8208	3,957090667	0,13629067	1,099075631	Ifna2
17212301	5,641134	5,558446	5,713546	5,732803	5,866942	5,722291	5,6377087	5,774012	0,13630333	1,099085281	Tmem182
17488090	3,423316	3,429285	3,338036	3,584698	3,549704	3,465167	3,396879	3,533189667	0,13631067	1,099090868	Vmn1r185
17411815	6,878759	6,999777	6,95056	7,224339	7,013943	6,999781	6,943032	7,079354333	0,13632233	1,099099756	Rad54b
17338087	7,851893	7,943229	7,770089	8,124178	7,966087	7,884005	7,8550703	7,991423333	0,136353	1,099123119	Zfp318
17303010	5,476488	5,803854	5,224313	5,920817	5,31375	5,679283	5,5015517	5,63795	0,13639833	1,099157657	Gm3002
17538837	9,814617	10,1415	9,838188	10,26876	9,810874	10,12393	9,931435	10,06785467	0,13641967	1,099173911	---
17517311	3,731389	3,825132	3,977093	3,878646	4,020077	4,044172	3,844538	3,980965	0,136427	1,099179498	4930550C14Rik
17391803	5,517733	5,641735	5,593919	5,735955	5,675148	5,751583	5,5844623	5,720895333	0,136433	1,099184069	Adam33
17261446	4,731257	4,436612	4,755799	4,666873	4,87252	4,793748	4,6412227	4,777713667	0,136491	1,09922826	D630024D03Rik
17341625	11,10718	11,12975	11,31477	11,27456	11,37289	11,31374	11,1839	11,32039667	0,13649667	1,099232578	Tceb2
17249962	5,617141	5,654226	5,344858	5,616543	5,491305	5,917876	5,5387417	5,675241333	0,13649967	1,099234863	---
17419413	5,078744	5,090912	4,733098	4,945717	5,381436	4,985113	4,9675847	5,104088667	0,136504	1,099238165	---
17206157	5,248726	4,411249	5,077935	5,449541	4,790224	4,907703	4,9126367	5,049156	0,13651933	1,099249848	---
17250611	4,75601	4,356465	4,47657	4,693283	4,541639	4,763718	4,5296817	4,666213333	0,13653167	1,099259246	---
17238199	4,347328	4,385545	4,414028	4,480671	4,540425	4,535437	4,3823003	4,518844333	0,136544	1,099268643	Sdr9c7
17463597	4,604685	4,286002	4,498229	4,480593	4,619218	4,698737	4,462972	4,599516	0,136544	1,099268643	5430401F13Rik
17548632	8,423857	8,268	8,418409	8,490713	8,59881	8,430415	8,3700887	8,506646	0,13655733	1,099278802	Gm6334
17333461	3,835915	3,750861	3,738244	3,834719	3,883288	4,016706	3,7750067	3,911571	0,13656433	1,099284136	Gm7168
17300360	8,232438	8,571308	8,58349	8,74177	8,467401	8,587771	8,462412	8,598980667	0,13656867	1,099287438	Pabpn1
17548098	6,104499	5,952031	5,921175	6,111634	6,006579	6,269287	5,9925683	6,129166667	0,13659833	1,099310043	5730409K12Rik
17469282	4,973122	4,920936	5,322304	5,268564	5,383568	4,974078	5,0721207	5,208736667	0,136616	1,099323505	Fam19a4
17357936	4,660877	4,08707	4,9378	4,608011	4,553384	4,934276	4,5619157	4,698557	0,13664133	1,099342809	Olfr1491
17540535	6,901536	6,752984	6,804607	7,073809	6,858917	6,936388	6,819709	6,956371333	0,13666233	1,099358811	Elk1
17265690	6,744554	6,852262	6,913167	7,103046	7,010399	6,806573	6,836661	6,973339333	0,13667833	1,099371004	Spns3
17374468	6,929506	6,538262	7,346998	7,011375	7,082869	7,130582	6,9382553	7,074942	0,13668667	1,099377354	Mir674
17302802	7,968086	7,847157	7,791936	8,101802	8,06008	7,855361	7,8690597	8,005747667	0,136688	1,09937837	Farp1
17463305	4,705064	4,263671	4,575561	4,926017	4,579515	4,44884	4,5147653	4,651457333	0,136692	1,099381418	Gm20190
17261001	4,138855	4,128888	3,896427	4,355733	4,155341	4,063249	4,0547233	4,191441	0,13671767	1,099400977	---
17225728	11,26504	11,31211	11,17388	11,35382	11,53644	11,27095	11,250343	11,38707	0,13672667	1,099407836	Hdlbp
17207131	4,805998	4,289197	4,422419	4,108513	4,988289	4,831011	4,5058713	4,642604333	0,136733	1,099412662	---
17240144	13,51829	13,51524	13,47651	13,56343	13,65501	13,70185	13,503347	13,64009667	0,13675	1,099425617	---
17240901	6,444048	6,648651	6,337522	6,820705	6,500227	6,519573	6,4767403	6,613501667	0,13676133	1,099434254	D630037F22Rik
17518933	6,747252	6,154132	6,383908	6,758222	6,469311	6,468066	6,4284307	6,565199667	0,136769	1,099440096	9530091C08Rik
17356559	5,391047	5,264578	5,621584	5,462238	5,682869	5,542449	5,4257363	5,562518667	0,13678233	1,099450257	Gm9783
17367047	3,774143	3,618471	3,907073	3,856976	3,953576	3,899639	3,7665623	3,903397	0,13683467	1,09949014	---
17286805	4,845407	5,140038	5,186761	5,020083	5,304726	5,257905	5,057402	5,194238	0,136836	1,099491156	---
17322525	6,509439	6,351389	6,596566	6,556828	6,538955	6,772133	6,485798	6,622638667	0,13684067	1,099494713	Glis2
17428497	3,503757	3,305223	3,715924	3,650991	3,524442	3,760036	3,5083013	3,645156333	0,136855	1,099505636	4930544O15Rik
17323838	9,664299	9,467623	9,618032	9,718708	9,768438	9,673411	9,583318	9,720185667	0,13686767	1,09951529	Klhl24
17475898	6,424536	6,297647	6,608268	6,751567	6,488574	6,500923	6,4434837	6,580354667	0,136871	1,09951783	Sars2
17276070	7,89205	7,965655	8,003983	8,162423	8,022151	8,08775	7,953896	8,090774667	0,13687867	1,099523673	Arid4a
17525492	3,702719	3,62272	4,044963	3,859212	4,133186	3,78871	3,790134	3,927036	0,136902	1,099541457	A630095E13Rik
17550408	5,518437	5,015639	4,855421	5,492333	5,093276	5,214604	5,1298323	5,266737667	0,13690533	1,099543997	---
17271700	5,394825	5,685677	5,71094	5,654502	5,826649	5,721027	5,5971473	5,734059333	0,136912	1,099549078	Btbd17
17260644	7,86282	7,525994	7,627198	7,732251	7,846732	7,847848	7,672004	7,808943667	0,13693967	1,099570164	Ddc
17513771	9,884664	9,863927	9,678839	9,895656	10,03447	9,908134	9,8091433	9,946086667	0,13694333	1,099572959	Aprt
17371294	4,161574	4,104506	3,919574	4,367307	4,292122	3,937112	4,0618847	4,198847	0,13696233	1,09958744	---
17355839	4,395451	4,359048	4,325674	4,372127	4,574765	4,544208	4,3600577	4,497033333	0,13697567	1,099597603	D030046N08Rik
17292316	7,003981	6,806533	7,198549	7,288087	6,990824	7,141102	7,003021	7,140004333	0,13698333	1,099603446	Zfp169
17484510	6,017314	5,528812	5,914621	6,088418	5,871802	5,911494	5,820249	5,957238	0,136989	1,099607765	Olfr523
17309649	6,631402	6,420462	6,413018	6,489976	6,908553	6,477335	6,488294	6,625288	0,136994	1,099611576	Gpr183
17381259	5,033404	4,919114	5,298774	5,1856	5,228832	5,247879	5,083764	5,220770333	0,13700633	1,099620977	---
17431799	3,638447	3,386748	4,301853	4,070977	3,884282	3,782818	3,7756827	3,912692333	0,13700967	1,099623517	---
17440775	4,631505	4,540086	4,731993	4,909726	4,734661	4,670285	4,634528	4,771557333	0,13702933	1,099638507	Dao
17210709	6,660913	6,747431	6,754091	6,967552	6,901973	6,704074	6,7208117	6,857866333	0,13705467	1,099657817	---
17273858	3,257647	3,895283	4,6202	3,951183	4,265457	3,967665	3,9243767	4,061435	0,13705833	1,099660612	---
17313661	5,061789	5,235556	5,673097	5,32564	5,437952	5,61811	5,3234807	5,460567333	0,13708667	1,099682208	Mpped1
17296777	6,364233	6,32234	5,980869	6,610621	6,172435	6,295665	6,2224807	6,359573667	0,137093	1,099687036	Gm10406
17278769	8,429962	8,767643	8,866167	9,017683	9,031349	8,426035	8,687924	8,825022333	0,13709833	1,099691101	LOC100861570
17279715	4,414107	4,375789	4,481005	4,606561	4,582193	4,493579	4,4236337	4,560777667	0,137144	1,099725911	Sp8
17306384	6,956457	7,145506	7,16673	7,261835	7,276135	7,142179	7,0895643	7,226716333	0,137152	1,099732009	Haus4
17362708	6,443309	6,361516	6,264033	6,401685	6,639152	6,439549	6,356286	6,493462	0,137176	1,099750304	Tmem138
17418701	6,890561	6,95854	6,879141	7,025434	7,138187	6,976295	6,909414	7,046638667	0,13722467	1,099787403	Zmym6
17355248	6,329336	6,561832	6,355384	6,545188	6,68539	6,42767	6,4155173	6,552749333	0,137232	1,099792993	---
17407001	5,140897	4,953338	4,917315	5,11758	5,277623	5,028086	5,00385	5,141096333	0,13724633	1,09980392	Efna3
17517780	7,588943	7,785506	7,789079	7,907752	7,807495	7,860097	7,721176	7,858448	0,137272	1,099823486	Edc3
17244175	9,60816	9,587322	9,627731	9,729805	9,760888	9,744372	9,6077377	9,745021667	0,137284	1,099832634	Slc25a3
17359769	8,508263	8,513229	8,460129	8,780332	8,398106	8,715052	8,4938737	8,631163333	0,13728967	1,099836954	Sema4g
17501226	7,018034	7,113871	7,152172	7,33249	7,111734	7,251732	7,0946923	7,231985333	0,137293	1,099839495	---
17206273	5,680241	4,909119	5,380424	5,540421	5,229761	5,611519	5,3232613	5,460567	0,13730567	1,099849152	---
17444045	4,750668	4,773536	4,748782	4,975741	4,885952	4,823224	4,757662	4,894972333	0,13731033	1,09985271	---
17485801	4,79046	4,886039	5,062984	5,132117	5,096724	4,922589	4,913161	5,050476667	0,13731567	1,099856775	6030429G01Rik
17547921	5,992557	5,754596	6,067219	6,247154	5,960485	6,018692	5,938124	6,075443667	0,13731967	1,099859825	Gm10866
17271051	8,103833	8,093212	7,982386	8,280635	8,148481	8,162423	8,0598103	8,197179667	0,13736933	1,09989769	Bptf
17255708	6,623922	6,590232	6,751147	6,775983	6,78871	6,812721	6,6551003	6,792471333	0,137371	1,09989896	Scrn2
17207865	3,66434	3,267145	3,282213	3,235893	4,061271	3,32865	3,404566	3,541938	0,137372	1,099899723	---
17374135	3,651848	3,413514	3,334588	3,372287	3,453524	3,986338	3,46665	3,604049667	0,13739967	1,099920816	---
17481066	6,856481	6,960331	6,906178	6,965834	7,14723	7,022126	6,9076633	7,045063333	0,1374	1,09992107	Pgap2
17205103	4,398563	4,340181	3,795896	4,324937	4,496902	4,125004	4,1782133	4,315614333	0,137401	1,099921832	---
17209293	4,398563	4,340181	3,795896	4,324937	4,496902	4,125004	4,1782133	4,315614333	0,137401	1,099921832	---
17464832	4,193852	4,024627	4,105984	4,231249	4,147274	4,358163	4,1081543	4,245562	0,13740767	1,099926915	AA545190
17272509	5,484491	5,443997	5,474363	5,502388	5,615921	5,696847	5,467617	5,605052	0,137435	1,09994775	Mxra7
17309063	3,884726	3,930139	3,876616	4,263314	3,694021	4,14646	3,8971603	4,034598333	0,137438	1,099950042	---
17497904	7,111961	7,046146	6,95443	7,11147	7,165437	7,247953	7,0375123	7,174953333	0,137441	1,099952329	Slc25a22
17209761	5,055601	4,735912	4,165557	5,152468	5,012946	5,203992	4,6523567	4,789802	0,13744533	1,099955633	---
17551105	7,445749	7,688376	7,275067	7,511925	7,506686	7,802938	7,4697307	7,607183	0,13745233	1,09996097	---
17332783	8,639208	8,526169	8,372359	8,513542	8,638944	8,79785	8,5125787	8,650112	0,13753333	1,100022729	Snx9
17410715	4,199703	3,960012	4,024554	4,245749	4,108372	4,242884	4,061423	4,199001667	0,13757867	1,100057295	Gm4862
17204451	4,851546	5,40035	5,115631	5,253503	4,772852	5,753955	5,122509	5,260103333	0,13759433	1,100069241	---
17324125	5,740068	5,927687	6,172885	6,002072	6,007717	6,243641	5,94688	6,084476667	0,13759667	1,10007102	Polr2h
17520028	4,135381	4,064015	4,120784	4,234056	4,288479	4,210502	4,1067267	4,244345667	0,137619	1,10008805	A330041J22Rik
17411352	6,286705	6,395538	6,385903	6,507257	6,298914	6,674901	6,3560487	6,493690667	0,137642	1,100105588	Tyw3
17275296	3,616271	3,55809	3,558285	3,813	3,629566	3,703046	3,5775487	3,715204	0,13765533	1,100115755	---
17212057	3,867248	3,680088	3,834787	3,97923	3,931334	3,88453	3,794041	3,931698	0,137657	1,100117026	---
17210211	4,345279	4,368414	4,066712	4,55309	3,967154	4,673211	4,260135	4,397818333	0,13768333	1,100137107	---
17448764	9,127191	9,183689	9,109452	8,991584	9,357966	9,483859	9,1401107	9,277803	0,13769233	1,10014397	---
17547581	4,946362	4,902862	5,011802	4,961857	5,24369	5,068603	4,9536753	5,091383333	0,137708	1,100155916	Gm10387
17538764	11,05987	11,16586	10,75991	11,17702	11,04555	11,17624	10,995213	11,13293667	0,13772333	1,100167609	---
17493653	3,70181	3,636824	3,989187	3,960572	4,236969	3,543499	3,7759403	3,91368	0,13773967	1,100180065	LOC381967
17331640	4,854657	4,44783	4,614866	4,922545	4,755009	4,653189	4,6391177	4,776914333	0,13779667	1,100223533	---
17506824	8,41802	8,300938	8,208042	8,356872	8,451593	8,531939	8,309	8,446801333	0,13780133	1,100227092	Gnpat
17220373	7,976575	7,923502	7,870052	7,994574	8,201798	7,987256	7,9233763	8,061209333	0,137833	1,100251242	Trp53bp2
17549540	4,882908	4,725449	4,822174	5,026486	5,036499	4,781047	4,810177	4,948010667	0,13783367	1,10025175	---
17549692	4,882908	4,725449	4,822174	5,026486	5,036499	4,781047	4,810177	4,948010667	0,13783367	1,10025175	---
17347881	3,172725	3,323171	3,172848	3,253925	3,511816	3,316527	3,2229147	3,360756	0,13784133	1,100257597	---
17406586	5,0873	5,468694	5,211563	5,543456	5,557958	5,079672	5,2558523	5,393695333	0,137843	1,100258868	Ntrk1

17349671	8,869228	8,950383	8,84341	9,018593	9,082169	8,9758	8,8876737	9,025520667	0,137847	1,100261919	Ankhd1
17335000	6,474553	6,587088	6,504951	6,723546	6,637238	6,619379	6,5221973	6,660054333	0,137857	1,100269545	Phf1
17545910	4,466646	4,285284	4,475896	4,777256	4,359548	4,5046	4,4092753	4,547134667	0,13785933	1,100271325	Grpr
17301594	4,882216	5,412036	5,426321	5,222184	5,43393	5,478055	5,240191	5,378056333	0,13786533	1,100275901	Stc1
17498730	8,559533	8,765528	8,494555	8,828292	8,768997	8,635935	8,6065387	8,744408	0,13786933	1,100278951	1810033B17Rik
17538836	9,327975	9,372912	8,995829	9,364548	9,645098	9,100719	9,2322387	9,370121667	0,137883	1,100289374	---
17387930	3,695178	3,728322	3,158863	3,881622	3,459406	3,655023	3,5274543	3,665350333	0,137896	1,100299289	Olfr1232
17550148	2,906405	2,778554	2,794812	2,947443	2,996519	2,949533	2,8265903	2,964498333	0,137908	1,100308441	---
17205303	4,927592	4,69116	4,942429	5,143495	4,90704	4,924375	4,853727	4,991636667	0,13790967	1,100309712	---
17324436	6,320946	6,095213	6,452331	6,707429	6,412448	6,162355	6,2894967	6,427410667	0,137914	1,100313017	4833423F13Rik
17303474	6,775074	6,684419	6,597545	6,987038	6,732358	6,751483	6,6856793	6,823626333	0,137947	1,100338186	Fhit
17356240	5,560062	5,735882	5,760647	5,578741	6,031902	5,8598	5,6855303	5,823481	0,13795067	1,100340982	Spnb3
17201591	7,478608	6,015886	6,570187	6,838276	7,326307	6,314011	6,688227	6,826198	0,137971	1,100356491	---
17452578	12,38345	12,23437	12,28228	12,41127	12,4234	12,47946	12,300033	12,43804333	0,13801	1,100386237	Hpd
17331888	3,810808	3,728391	3,507653	3,663761	3,828303	3,968854	3,682284	3,820306	0,138022	1,100395389	Krtap22-2
17243738	12,37755	12,37261	12,45211	12,55183	12,55059	12,51393	12,400757	12,53878333	0,13802667	1,100398949	Hsp90b1
17326636	5,796651	6,238563	6,022009	6,202919	6,066732	6,201658	6,0190743	6,157103	0,13802867	1,100400474	---
17348666	5,615297	5,520954	5,877314	5,825081	5,858572	5,744035	5,6711883	5,809229333	0,138041	1,100409882	4933424G05Rik
17410130	7,21861	7,182751	7,088952	7,365497	7,239838	7,29918	7,1634377	7,301505	0,13806733	1,100429967	Ank2
17499706	4,415661	4,555106	4,986443	4,894394	5,086923	4,39011	4,6524033	4,790475667	0,13807233	1,100433781	Defb33
17369532	6,211068	6,270252	6,088543	6,21451	6,538234	6,231554	6,1899543	6,328099333	0,138145	1,100489221	Prdm12
17319583	3,866727	4,301532	4,170409	3,943871	4,326477	4,482789	4,1128893	4,251045667	0,13815633	1,100497855	AI848285
17400000	9,486877	9,463007	9,309767	9,409427	9,62832	9,636403	9,4198837	9,55805	0,13816633	1,100505483	S100a10
17277646	3,674305	3,451092	3,552263	3,66584	3,716425	3,70995	3,55922	3,697405	0,138185	1,100519722	Oog1
17544611	4,986645	4,875188	4,774469	5,382209	4,714812	4,95393	4,8787673	5,016983667	0,13821633	1,100543624	Gm15023
17368499	5,092705	4,663628	4,767794	4,832287	5,20399	4,902512	4,8413757	4,979596333	0,13822067	1,10054693	Dbh
17396933	4,576361	4,804125	4,764202	4,973452	4,894763	4,691171	4,714896	4,853128667	0,13823267	1,100556084	A330050B17Rik
17258220	5,007296	5,661315	5,186791	5,372064	5,429282	5,468797	5,285134	5,423381	0,138247	1,100567018	Slc16a5
17200033	3,761313	3,621031	3,948624	3,601705	4,20467	3,939406	3,7769893	3,915260333	0,138271	1,100585327	---
17538833	7,770533	7,919986	7,83724	7,935784	8,154928	7,851885	7,8425863	7,980865667	0,13827933	1,100591684	---
17204523	5,876346	5,463295	4,804284	5,528416	5,310002	5,720408	5,3813083	5,519608667	0,13830033	1,100607705	---
17363817	4,998749	4,983327	5,703887	5,174506	5,406026	5,520391	5,2286543	5,366974333	0,13832	1,100622708	A930007I19Rik // A930007I19Rik
17231944	3,343806	2,956173	3,394107	3,399319	3,141118	3,56861	3,231362	3,369682333	0,13832033	1,100622963	Gm6251
17505673	7,041014	6,89938	6,884523	6,904572	7,141108	7,194297	6,941639	7,079992333	0,13835333	1,100648138	St3gal2
17490031	3,854139	3,749072	3,538302	3,865311	3,86908	3,822184	3,7138377	3,852191667	0,138354	1,100648647	Vmn2r59
17303998	4,26868	4,35972	4,205655	4,437831	4,37618	4,435144	4,2780183	4,416385	0,13836667	1,10065831	4930405A10Rik
17475026	8,787977	8,57939	8,620258	8,695812	8,908751	8,798341	8,6625417	8,800968	0,13842633	1,100703832	Ethe1
17231999	6,204438	5,887769	5,976364	6,224103	6,331949	5,9278	6,022857	6,161284	0,138427	1,100704341	Myb // Myb
17397575	9,754755	10,24274	9,78702	10,12405	9,934189	10,14161	9,9281717	10,06661633	0,13844467	1,10071782	Postn
17431075	8,396173	8,51523	8,432589	8,603324	8,528429	8,627585	8,4479973	8,586446	0,13844867	1,100720872	Arid1a
17467345	4,007067	3,863784	4,042378	4,099796	4,14459	4,084272	3,9710763	4,109552667	0,13847633	1,10074198	Il23r
17252912	8,972911	8,978065	8,302457	8,87935	8,850955	8,938576	8,7511443	8,889627	0,13848267	1,100746813	Tlcd2 // Tlcd2
17340165	5,552759	5,433828	5,507799	5,503043	5,76214	5,644653	5,4981287	5,636612	0,13848333	1,100747321	Six3
17545560	3,761245	3,76958	3,678131	3,921476	3,852839	3,850118	3,7363187	3,874811	0,13849233	1,100754188	Magea8
17266322	7,970973	8,072401	7,924116	8,178836	8,124429	8,079842	7,9891633	8,127702333	0,138539	1,100789795	Eral1
17433856	2,907527	3,318555	3,280684	3,263385	3,578297	3,080711	3,168922	3,307464333	0,13854233	1,100792338	---
17297425	7,718999	7,736673	7,652434	7,891011	7,926907	7,705969	7,702702	7,841295667	0,13859367	1,100831507	Fam149b
17418934	4,550849	4,272593	4,369174	4,567782	4,616428	4,424238	4,3975387	4,536149333	0,13861067	1,100844478	Tmem54
17282008	6,799422	7,028094	6,854963	7,111334	7,022539	6,964453	6,8941597	7,032775333	0,13861567	1,100848294	Zbtb25
17402595	9,233493	9,150564	9,000473	9,110278	9,270339	9,419778	9,1281767	9,266798333	0,13862167	1,100852872	Casp6
17385478	3,96869	3,726641	3,899655	3,935017	3,987326	4,088543	3,8649953	4,003628667	0,13863333	1,100861774	5330411J11Rik
17384753	7,695802	7,930237	7,857119	7,884581	8,007565	8,006966	7,8277193	7,966370667	0,13865133	1,100875509	Golga1
17290987	5,593131	5,886429	5,588126	5,527026	5,751445	6,20525	5,6892287	5,827907	0,13867833	1,100896112	Olfr1362
17236888	3,896498	3,900424	3,803356	4,230295	3,82302	3,963031	3,8667593	4,005448667	0,13868933	1,100904506	---
17509723	8,037227	7,900095	7,821999	8,130807	8,02276	8,021896	7,9197737	8,058487667	0,138714	1,100923329	Psd3
17209199	3,233192	3,261989	3,590347	3,362863	3,890769	3,248082	3,3618427	3,500571333	0,13872867	1,100934522	---
17525524	11,73777	11,67729	11,63159	11,80306	11,8715	11,78831	11,682217	11,82095667	0,13874	1,10094317	Stt3a
17392642	3,294648	2,836775	2,834008	3,038444	3,189692	3,153543	2,988477	3,127226333	0,13874933	1,100950293	---
17239582	4,172926	4,24658	4,513388	4,483044	4,519034	4,347142	4,3109647	4,44974	0,13877533	1,100970134	Gm4922
17281853	3,7514	3,502759	3,65503	3,962805	3,730618	3,632135	3,6363963	3,775186	0,13878967	1,100981072	4930447C04Rik
17215984	5,016382	5,52152	5,390462	5,292377	5,717015	5,335412	5,3094547	5,448268	0,13881333	1,100999133	Ano7
17548636	4,20376	4,914091	4,694449	4,96176	4,594129	4,672866	4,6041	4,742918333	0,13881833	1,101002949	---
17301468	5,536472	5,164009	5,380808	5,527763	5,491571	5,478415	5,3604297	5,499249667	0,13882	1,101004221	Chrna2
17342376	8,190328	8,380165	8,362955	8,449327	8,588717	8,311875	8,3111493	8,449973	0,13882367	1,101007019	Fam173a
17419029	8,300833	9,285366	8,933895	9,212824	8,872997	8,850794	8,8400313	8,978871667	0,13884033	1,101019739	---
17209873	3,618128	3,920486	4,45444	3,843968	3,741531	4,82412	3,9976847	4,136539667	0,138855	1,101030932	---
17308817	4,138832	4,074546	4,22866	4,259955	4,381765	4,216896	4,147346	4,286205333	0,13885933	1,101034239	Tnfsf11
17314120	7,826437	7,854941	8,401361	8,331329	8,196959	7,971037	8,0275797	8,166441667	0,138862	1,101036274	Miox
17459297	3,030625	3,457577	3,466169	3,375079	3,400405	3,595533	3,3181237	3,457005667	0,138882	1,101051538	---
17521041	3,217696	3,19083	3,307988	3,31029	3,324826	3,498086	3,238838	3,377734	0,138896	1,101062223	Mir2136
17408090	4,977076	5,190999	5,272768	5,217984	5,456836	5,182719	5,1469477	5,285846333	0,13889867	1,101064258	Nudt17
17515675	5,332588	4,960471	5,039562	5,583268	4,908687	5,257362	5,1108737	5,249772333	0,13889867	1,101064258	---
17343865	3,118524	3,21397	3,175327	3,176331	3,473062	3,275153	3,1692737	3,308182	0,13890833	1,101071635	---
17269198	6,920534	6,689165	7,019359	7,220666	6,878828	6,946345	6,8763527	7,015279667	0,138927	1,101085882	---
17544156	3,902908	4,087056	4,130418	3,946765	4,514452	4,076022	4,0401273	4,179079667	0,13895233	1,101105217	---
17392279	7,625556	7,715246	7,498536	7,728801	7,677442	7,849965	7,6131127	7,752069333	0,13895667	1,101108524	Kif16b
17236252	6,390268	6,557637	6,810934	6,782303	6,873282	6,520139	6,5862797	6,725241333	0,13896167	1,10111234	---
17380969	6,965791	7,198417	7,026395	7,230686	7,170803	7,206036	7,0635343	7,202508333	0,138974	1,101121754	Rtel1
17449763	4,403626	4,635986	4,586609	4,680632	4,777157	4,585357	4,5420737	4,681048667	0,138975	1,101122517	Ccdc158
17219196	5,564689	5,846606	5,624949	5,949423	5,700364	5,803472	5,678748	5,817753	0,139005	1,101145414	Dusp12
17455006	7,24514	7,308143	7,206604	7,308061	7,41223	7,456635	7,2532957	7,392308667	0,139013	1,10115152	Smurf1
17204615	6,052871	5,723851	5,744592	6,002789	6,075211	5,860384	5,840438	5,979461333	0,13902333	1,101159407	---
17497647	4,441436	4,615004	5,034472	4,792053	4,704002	5,011937	4,6969707	4,835997333	0,13902667	1,101161952	Olfr531
17204097	2,81552	3,107976	3,047793	3,340138	3,189692	2,858603	2,9904297	3,129477667	0,139048	1,101178235	---
17512686	3,56461	3,273789	3,665202	3,627328	3,489023	3,804436	3,5012003	3,640262333	0,139062	1,101188921	---
17209089	5,569554	5,061327	5,460525	5,646103	5,476145	5,386345	5,363802	5,502864333	0,13906233	1,101189175	---
17329040	3,105647	3,218739	3,274013	3,270892	3,553077	3,191628	3,1994663	3,338532333	0,139066	1,101191974	Olfr170
17290689	7,050358	6,732032	6,85992	6,91111	6,980357	7,168105	6,88077	7,019857333	0,13908733	1,101208258	Gm7040
17277749	4,117145	4,195945	3,93092	4,307712	4,156159	4,197472	4,0813367	4,220447667	0,139111	1,101226322	Dio2
17516180	3,815054	3,56083	3,562373	3,857941	3,845892	3,651848	3,6460857	3,785227	0,13914133	1,101249477	Olfr908
17511856	4,352972	4,465286	4,229869	4,581075	4,556353	4,328252	4,3493757	4,48856	0,13918433	1,1012823	---
17207269	4,020452	4,140899	3,932796	4,152599	3,967421	4,391714	4,0313823	4,170578	0,13919567	1,101290951	---
17232055	7,42507	7,257761	7,170151	7,393215	7,440868	7,436533	7,2843273	7,422538667	0,13921133	1,101302911	Sgk1
17303183	7,171227	6,877544	6,687337	7,216385	6,972462	6,96493	6,912036	7,051259	0,139223	1,101311817	Gm5458 // Gm5458 // Gm5458
17202149	3,601464	3,981637	5,199988	4,308971	4,077978	4,813909	4,2610297	4,400286	0,13925633	1,101337263	---
17355771	4,062143	4,29332	4,169846	4,165973	4,541488	4,235622	4,175103	4,314361	0,139258	1,101338535	2210420H20Rik
17296705	6,951136	6,379081	6,367567	6,92674	6,578256	6,610659	6,565928	6,705218333	0,13929033	1,101363218	Gm3002
17427891	7,770322	8,141367	7,896547	8,142029	8,076557	8,007538	7,9360787	8,075374667	0,139296	1,101367544	Mrpl37
17364565	6,784331	6,71157	6,61084	6,87139	6,723595	6,929646	6,702247	6,841543667	0,13929667	1,101368053	Blnk
17531258	3,744872	3,897502	3,843801	3,897284	4,151544	3,855269	3,828725	3,968032333	0,13930733	1,101376196	---
17278775	11,73969	11,77936	11,78571	11,97538	11,93674	11,81072	11,768253	11,90761333	0,13936	1,101416404	AF357355
17420150	6,341669	6,244818	6,173338	6,169089	6,712253	6,29658	6,253275	6,392640667	0,13936567	1,10142073	---
17338174	7,379593	7,210744	7,569244	7,548188	7,523432	7,506081	7,386527	7,525900333	0,13937333	1,101426583	Pex6
17525720	3,955624	4,094554	3,946919	4,043049	4,017209	4,35497	3,9990323	4,138409333	0,139377	1,101429382	Olfr945
17408642	4,952523	4,677851	5,040483	5,015683	5,091102	4,982282	4,8902857	5,029689	0,13940333	1,101449487	---
17233783	6,744253	6,680507	6,628448	6,742472	6,833359	6,895591	6,6844027	6,823807333	0,13940467	1,101450505	2210417K05Rik
17343755	4,156777	4,328559	4,343954	4,534132	4,249722	4,463652	4,27643	4,415835333	0,13940533	1,101451014	---
17207555	4,273681	4,631297	4,68953	4,897175	4,388793	4,726785	4,5315027	4,670917667	0,139415	1,101458394	---
17518911	8,245031	8,185125	8,185602	8,363731	8,44899	8,221322	8,2052527	8,344681	0,13942833	1,101468573	Rora
17206893	6,991182	7,325797	7,220021	7,380057	7,352732	7,222567	7,179	7,318452	0,139452	1,101486643	---
17343692	5,638442	5,613044	5,856101	5,864602	5,981154	5,680357	5,702529	5,842037667	0,13950867	1,101529908	Rps18
17278328	12,75694	12,72729	12,53521	12,79173	12,80486	12,8414	12,673147	12,81266333	0,13951667	1,101536016	Serpina3n
17286107	3,886023	3,777097	4,038332	3,933601	4,354672	3,831737	3,900484	4,040003333	0,13951933	1,101538052	Prl
17420777	8,512393	8,330776	8,173609	8,474017	8,43444	8,526904	8,338926	8,478453667	0,13952767	1,101544415	Aldh4a1
17205599	3,042975	3,413514	3,160764	2,855669	4,10061	3,079565	3,205751	3,345281333	0,13953033	1,101546451	---
17210613	5,888	6,153703	5,896438	6,284299	6,242055	5,830434	5,9793803	6,118929333	0,139549	1,101560704	---
17265545	4,688876	4,565053	4,729786	4,725029	4,947324	4,730068	4,6612383	4,800807	0,13956867	1,10157572	---
17550767	4,214037	4,138393	4,246512	4,300682	4,435851	4,281403	4,1996473	4,339312	0,13966467	1,101649024	---
17460595	10,1559	10,05644	9,647497	9,798507	10,35858	10,12178	9,953279	10,09295567	0,13967667	1,101658187	---
17550719	4,189066	4,205592	4,228119	4,074235	4,37662	4,590979	4,2075923	4,347278	0,13968567	1,10166506	---
17201555	2,874091	2,567463	2,51813	2,727091	2,953941	2,697713	2,653228	2,792915	0,139687	1,101666078	---
17277387	5,22091	5,427612	5,567913	5,697138	5,516126	5,42227	5,4054783	5,545178	0,13969967	1,10167575	Fos
17359436	9,221118	9,392097	8,972821	9,31904	9,37044	9,315679	9,1953453	9,335053	0,13970767	1,101681859	Lcor
17533713	4,438093	4,65693	4,667933	4,804661	4,637167	4,740252	4,587652	4,72736	0,139708	1,101682114	Timp1
17210129	5,913773	5,141772	5,154664	6,283722	4,978218	5,367482	5,403403	5,543140667	0,13973767	1,101704769	---
17244263	4,409042	4,398763	4,257903	4,535061	4,557686	4,392312	4,355236	4,495019667	0,13978367	1,101739897	Gm872
17533851	4,914382	4,260516	4,052063	4,728586	4,397731	4,520088	4,408987	4,548801667	0,13981467	1,101763571	---
17446300	5,536584	5,571539	5,629394	5,516831	5,876862	5,763318	5,5791723	5,719003667	0,13983133	1,101776299	Crygn
17390431	6,748595	6,7975	7,106825	7,264395	6,856593	6,951458	6,8843067	7,024148667	0,139842	1,101784445	---
17278007	5,792857	6,106587	5,228961	5,957997	5,336085	6,253924	5,7094683	5,849335333	0,139867	1,101803537	---
17516253	3,20434	3,039708	2,98562	3,047447	3,618658	2,983207	3,076556	3,216437333	0,13988133	1,101814484	Olfr27
17392903	5,373946	5,068799	5,480752	5,44796	5,64945	5,245834	5,3078323	5,447748	0,13991567	1,101840705	---
17260722	4,175658	3,974713	3,940808	4,236774	4,075083	4,199114	4,030393	4,170323667	0,13993067	1,101852162	4930554G24Rik // 4930554G24Rik
17241672	3,895002	3,640615	3,630466	3,807001	3,798665	3,980287	3,7220277	3,861984333	0,13995667	1,101872019	4930545H06Rik

17472043	5,220901	5,093237	4,929947	5,397658	5,045464	5,220925	5,0813617	5,221349	0,13998733	1,101895441	Gpr19
17273056	6,466122	5,851583	6,14948	6,289235	6,337146	6,260843	6,1557283	6,295741333	0,140013	1,101915045	---
17347077	4,619648	4,793621	4,687441	4,885153	4,881507	4,75409	4,7002367	4,84025	0,14001333	1,1019153	BC027072
17234926	12,08026	12,07262	12,00741	12,10018	12,24606	12,23413	12,05343	12,19345667	0,14002667	1,101925484	Bsg
17417837	3,601659	3,535062	3,690616	3,972963	3,477411	3,797093	3,6091123	3,749155667	0,14004333	1,101938214	---
17499480	5,15342	4,9392	5,226058	5,279558	5,160476	5,298838	5,106226	5,246290667	0,14006467	1,101954508	Kbtbd11
17440361	5,607507	5,629627	5,775912	5,797732	5,911123	5,724532	5,6710153	5,811129	0,14011367	1,101991936	Plcxd1
17204685	4,204338	5,886941	5,525011	5,677075	5,261576	5,098072	5,20543	5,345574333	0,14014433	1,102015361	---
17478745	5,387427	5,711111	5,636984	5,629511	5,814181	5,712297	5,5785073	5,718663	0,14015567	1,102024018	Atp10a
17533952	8,059878	7,692165	6,991532	7,983337	7,474726	7,706049	7,5811917	7,721370667	0,140179	1,102041841	Gm2863
17535532	7,435603	7,100269	7,713933	7,685977	7,328652	7,655766	7,4166017	7,556798333	0,14019667	1,102055337	---
17532382	5,820483	5,614316	5,951963	6,005439	5,906147	5,895851	5,7955873	5,935812333	0,140225	1,10207698	Ccdc13
17389297	3,203214	3,309225	3,383232	3,463197	3,435514	3,41771	3,298557	3,438807	0,14025	1,102096078	Olfr1308
17227266	4,840574	4,6873	4,750361	4,874123	4,876283	4,948603	4,7594117	4,899669667	0,140258	1,102102189	Elf3
17251441	5,971848	5,583074	5,600353	5,921898	5,763582	5,890592	5,718425	5,858690667	0,14026567	1,102108046	Slc25a35
17337794	3,603806	3,245562	3,484608	3,487005	3,88755	3,380227	3,4446587	3,584927333	0,14026867	1,102110338	---
17409703	6,255079	6,574529	6,332586	6,468504	6,454081	6,660522	6,387398	6,527702333	0,14030433	1,102137585	Ccdc76
17397604	8,738872	8,732562	8,662477	8,847216	8,889743	8,817904	8,7113037	8,851621	0,14031733	1,102147516	Fam48a
17303315	7,571117	7,120897	6,472007	7,529027	7,040151	7,015892	7,0546737	7,195023333	0,14034967	1,102172217	Gm5797
17392103	5,073593	4,705874	4,980318	5,108643	4,868057	5,204331	4,9199283	5,060343667	0,14041533	1,102222386	4930545L23Rik
17247039	6,998111	7,076848	7,16128	7,271659	7,277071	7,108761	7,0787463	7,219163667	0,14041733	1,102223914	Aebp1
17548616	10,2048	10,25698	10,15316	10,18909	10,47015	10,37696	10,20498	10,3454	0,14042	1,102225951	Ndufs6 // Ndufs6
17260198	5,924527	5,805588	5,834314	6,040279	5,672432	6,273004	5,8548097	5,995238333	0,14042867	1,102232573	Polm
17267794	6,558911	7,016056	7,079826	6,832599	7,320344	6,923184	6,884931	7,025375667	0,14044467	1,102244797	Nme2
17328651	5,683157	5,710009	5,721313	5,957263	5,792269	5,786469	5,7048263	5,845333667	0,14050733	1,102292676	Hic2 // Hic2
17459368	3,306932	3,531285	3,462142	3,592535	3,49925	3,6301	3,433453	3,573961667	0,14050867	1,102293695	---
17547815	4,826972	4,648881	5,010399	5,040713	4,855346	5,011764	4,8287507	4,969274333	0,14052367	1,102305156	LOC100505020
17200671	2,674052	2,837596	3,141329	3,175039	3,066692	2,832839	2,8843257	3,024856667	0,140531	1,102310759	---
17259264	7,592443	7,675075	7,803253	7,855562	7,95763	7,679204	7,690257	7,830798667	0,14054167	1,102318909	1810043H04Rik
17240819	8,077067	8,099574	8,021427	8,10814	8,25336	8,258225	8,0660227	8,206575	0,14055233	1,102327059	Gm9766
17267190	6,221292	6,123142	6,036294	6,213193	6,092823	6,496458	6,1269093	6,267491333	0,140582	1,102349727	Bcas3
17535877	7,451431	7,530093	7,429241	7,665252	7,630526	7,53674	7,470255	7,610839333	0,14058433	1,10235151	Ikbkg
17373417	7,757051	7,694456	7,725461	7,860102	7,885844	7,85282	7,725656	7,866255333	0,14059933	1,102362971	Ambra1
17378312	10,18738	10,1762	10,23584	10,16556	10,65637	10,19929	10,199807	10,34040667	0,1406	1,102363481	---
17502940	5,388739	4,863924	5,088683	4,931449	5,319047	5,512716	5,113782	5,254404	0,140622	1,102380291	Olfr370
17417456	6,224702	6,157878	6,117604	6,239069	6,55061	6,132563	6,166728	6,307414	0,140686	1,102429195	C530005A16Rik
17368009	5,931946	5,924809	5,945665	6,031469	6,123406	6,069692	5,93414	6,074855667	0,14071567	1,102451865	Abca2
17468889	3,19956	3,226002	3,071937	3,488637	3,272022	3,159053	3,165833	3,306570667	0,14073767	1,102468677	Vmn1r49
17523158	4,198671	4,081383	4,097539	4,105729	4,474305	4,219782	4,1258643	4,266605333	0,140741	1,102471224	Ccr8
17500170	5,460021	5,312829	5,987272	5,729684	5,913046	5,539673	5,5867073	5,727467667	0,14076033	1,102485998	---
17486128	3,862576	3,719069	3,599453	3,999431	3,762736	3,841238	3,7270327	3,867801667	0,140769	1,102492621	Zim3
17207135	2,784333	2,920227	2,487218	3,12027	2,85296	2,640866	2,7305927	2,871365333	0,14077267	1,102495423	---
17263010	4,096576	3,934547	3,350058	3,575187	3,740951	4,487473	3,793727	3,934537	0,14081	1,102523953	---
17487046	3,973327	3,858728	3,87846	4,232752	3,98932	3,910909	3,903505	4,044327	0,140822	1,102533124	Psg28
17306094	5,255896	5,137325	5,182857	5,257791	5,439538	5,301248	5,192026	5,332859	0,140833	1,10254153	Olfr750
17323065	7,559009	8,544641	7,784003	8,32411	7,680213	8,305951	7,962551	8,103424667	0,14087367	1,102572609	---
17200255	4,980864	4,910185	5,166493	5,05406	5,523265	4,902855	5,0191807	5,16006	0,14087933	1,10257694	---
17305366	6,767101	6,331783	6,352115	6,862704	6,49941	6,511566	6,4836663	6,62456	0,14089367	1,102587894	---
17214197	7,797884	7,843534	7,714853	7,91914	7,989723	7,870174	7,7854237	7,926345667	0,140922	1,102609548	Slc11a1
17432541	3,550335	3,765747	3,633468	3,761161	3,76037	3,850871	3,64985	3,790800667	0,14095067	1,102631458	Gm13125
17404503	4,265167	3,906358	4,207201	4,214719	4,435196	4,151768	4,126242	4,267227667	0,14098567	1,102658208	Mecom
17247494	5,525982	5,130702	5,192824	5,488294	5,579049	5,205127	5,2831693	5,424156667	0,14098733	1,102659482	Gm19396
17294034	5,016869	5,239377	5,113877	5,41576	5,431957	4,945375	5,1233743	5,264364	0,14098967	1,102661265	Zfp71-rs1
17278884	3,602309	3,59536	4,151009	3,884406	4,061384	3,825864	3,7828927	3,923884667	0,140992	1,102663049	Mir541
17394239	3,736723	3,680953	3,644279	3,749853	4,050553	3,684611	3,6873183	3,828339	0,14102067	1,102684959	Wfdc11
17211004	10,39884	10,08728	10,16747	10,31299	10,38563	10,37804	10,217863	10,35888667	0,14102333	1,102686997	Adhfe1
17540653	6,111945	5,176274	5,140984	6,2489	5,059422	5,543978	5,476401	5,617433333	0,14103233	1,102693876	Gm5169
17225978	3,552686	3,287842	3,767253	3,771438	3,415716	3,843777	3,535927	3,676977	0,14105	1,102707379	---
17547507	9,021952	9,138456	8,944446	9,127388	9,23965	9,161042	9,0349513	9,176026667	0,14107533	1,102726743	Gm5963 // Rps21
17237545	3,435758	3,428275	3,674972	3,611346	3,722605	3,628318	3,5130017	3,654089667	0,141088	1,102736425	---
17493212	6,282628	6,680457	6,382844	6,57228	6,683738	6,513211	6,448643	6,589743	0,1411	1,102745597	Prss23
17504074	6,96811	7,207375	7,075283	7,23867	7,199777	7,235699	7,0835893	7,224715333	0,141126	1,102765471	Cpne2
17384205	7,612976	7,325891	7,370471	7,672638	7,505327	7,55478	7,436446	7,577581667	0,14113567	1,10277286	Fam125b
17518909	8,227484	8,886779	8,524834	8,595028	8,646936	8,820597	8,5463657	8,687520333	0,14115467	1,102787383	---
17449547	7,085925	7,13636	6,346176	6,526515	7,005869	7,45961	6,8561537	6,997331333	0,14117767	1,102804964	---
17372801	3,32313	3,110178	3,349776	3,37464	3,533084	3,298939	3,261028	3,402221	0,141193	1,102816685	Olfr1036
17259435	6,652075	6,582871	6,453053	6,668727	6,78246	6,660413	6,5626663	6,703866667	0,14120033	1,102822291	---
17549078	5,077164	5,101716	5,401402	5,35738	5,453782	5,192756	5,1934273	5,334639333	0,141212	1,102831209	---
17316105	7,48246	7,516187	7,665704	7,896569	7,628126	7,563363	7,5547837	7,696019333	0,14123567	1,102849301	6030458C11Rik
17417367	6,551142	6,652569	6,659269	6,707827	6,730566	6,848343	6,6209933	6,762245333	0,141252	1,102861787	Pomgnt1
17315398	9,034401	8,272343	8,177579	8,48418	8,705534	8,718417	8,4947743	8,636043667	0,14126933	1,102875037	---
17501772	7,721013	7,803014	7,784051	7,805977	7,967245	7,958711	7,7693593	7,910644333	0,141285	1,102887014	Sugp1
17205729	6,24047	6,520489	6,366177	6,44511	6,386028	6,719998	6,375712	6,517045333	0,14133333	1,102923963	---
17409627	6,469113	6,462035	6,314555	6,528389	6,581956	6,559382	6,4152343	6,556575667	0,14134133	1,102930079	A930005H10Rik // A930005H10Rik
17367858	5,888396	5,548572	5,468595	5,709927	5,762651	5,857105	5,6351877	5,776561	0,14137333	1,102954543	Fam166a
17524233	4,512642	4,693398	4,66244	4,673914	5,043857	4,574912	4,6228267	4,764227667	0,141401	1,102975695	Fat3
17336618	6,932309	7,060197	7,064143	7,244575	7,212323	7,02397	7,018883	7,160289333	0,14140633	1,102979772	Ager
17517365	7,333201	6,972548	6,944343	7,339929	7,163096	7,171325	7,083364	7,224783333	0,14141933	1,102989711	---
17202845	4,192164	3,876987	4,167602	3,881892	3,978625	4,800528	4,0789177	4,220348333	0,14143067	1,102998376	---
17324332	11,75162	11,85174	11,584	11,67857	11,91169	12,02141	11,72912	11,87055667	0,14143667	1,103002963	Fetub
17462417	5,78099	6,003739	5,883468	6,001127	6,005554	6,085868	5,889399	6,030849667	0,14145067	1,103013667	Gm4651
17510790	5,92691	5,655999	5,746455	5,907904	6,110781	5,735065	5,7764547	5,917916667	0,141462	1,103022332	---
17238701	3,497703	3,64971	3,473046	3,52442	3,917448	3,603083	3,540153	3,681650333	0,14149733	1,103049346	Olfr821
17247377	3,988931	3,92645	4,257646	4,235393	4,163104	4,199031	4,0576757	4,199176	0,14150033	1,10305164	Vstm2a
17449251	3,708719	3,773089	4,078046	4,073983	4,263743	3,646652	3,8532847	3,994792667	0,141508	1,103057502	Tmprss11a
17327054	8,735833	8,849208	8,556613	8,698977	9,005629	8,861626	8,7138847	8,855410667	0,141526	1,103071264	Il10rb
17357561	7,697967	7,285499	7,389706	7,585045	7,701181	7,511607	7,457724	7,599277667	0,14155367	1,103092418	Vwce
17264039	5,923961	5,795107	6,08937	6,00141	6,327656	5,904038	5,936146	6,077701333	0,14155533	1,103093693	---
17486561	4,740046	4,671795	4,998705	4,979037	4,752391	5,103787	4,8035153	4,945071667	0,14155633	1,103094457	Zscan18
17210305	8,360572	8,48869	8,462148	8,470614	8,832981	8,432489	8,4371367	8,578694667	0,141558	1,103095732	---
17393658	8,893327	9,216907	8,680729	9,165344	9,067942	8,982364	8,930321	9,071883333	0,14156233	1,103099045	Samhd1
17513275	4,760038	4,823692	5,062593	5,156428	4,944176	4,970436	4,8821077	5,02368	0,14157233	1,103106691	---
17273798	4,927577	4,41673	5,072373	4,715814	5,179028	4,946577	4,80556	4,947139667	0,14157967	1,103112298	Pfn4
17249924	5,191828	5,490321	4,901639	5,078069	5,628669	5,301824	5,194596	5,336187333	0,14159133	1,103121219	---
17378009	4,200311	4,398616	4,057118	4,21283	4,24253	4,625479	4,2186817	4,360279667	0,141598	1,103126316	---
17202665	3,625506	3,954135	4,991134	4,177863	4,510545	4,307183	4,1902583	4,331863667	0,14160533	1,103131924	---
17343063	4,49201	4,370436	4,800361	4,61894	4,741755	4,727018	4,554269	4,695904333	0,14163533	1,103154863	---
17366275	6,550295	6,629285	5,922888	6,907076	6,398669	6,221708	6,3674893	6,509151	0,14166167	1,103174999	---
17201255	3,959458	4,878706	4,52623	4,124916	5,137499	4,526969	4,454798	4,596461333	0,14166333	1,103176273	---
17468048	4,616637	4,447163	4,649906	4,552561	4,829444	4,756755	4,5712353	4,71292	0,14168467	1,103192586	Sema4f
17262506	5,964925	5,802919	5,945616	5,892422	6,184334	6,061914	5,9044867	6,046223333	0,14173667	1,10323235	N4bp3
17205719	5,252388	5,692109	5,535615	5,810699	5,454144	5,640543	5,4933707	5,635128667	0,141758	1,103248664	---
17266319	5,122905	4,945877	5,146991	5,16729	5,289958	5,183831	5,0719243	5,213693	0,14176867	1,103256821	Dhrs13
17331266	3,886435	3,439225	3,329948	3,915377	3,523584	3,641964	3,5518693	3,693641667	0,14177233	1,103259625	Olfr201
17516564	8,739762	8,827006	8,693768	8,754625	8,918946	9,01232	8,753512	8,895297	0,141785	1,103269311	Hyou1
17399233	5,852583	5,736137	5,536249	5,864579	5,786435	5,899345	5,708323	5,850119667	0,14179667	1,103278233	---
17417290	7,523232	7,548042	7,774038	7,628635	7,916947	7,725222	7,615104	7,756934667	0,14183067	1,103304234	Atpaf1
17543102	3,032429	3,056037	2,97828	3,18404	3,315834	2,992396	3,0222487	3,16409	0,14184133	1,103312392	---
17481188	5,712774	5,564137	5,663786	5,720104	5,670962	5,975224	5,646899	5,788763333	0,14186433	1,103329981	Olfr596
17291901	6,078089	6,08098	5,937602	6,170403	6,149948	6,201915	6,0322237	6,174088667	0,141865	1,103330491	AI463229
17366944	6,538613	6,345847	6,402188	6,458645	6,700533	6,55318	6,4288827	6,570786	0,14190333	1,103359808	Mir669h // Mir669h
17202883	3,655744	3,90799	4,696323	4,14578	4,320142	4,219937	4,0866857	4,228619667	0,141934	1,103383262	---
17305266	6,844034	6,292287	6,077282	6,799454	6,380492	6,459504	6,4045343	6,546483333	0,141949	1,103394734	---
17451203	6,52218	6,451812	6,39349	6,774204	6,467276	6,551947	6,4558273	6,597809	0,14198167	1,103419718	Srrd
17389522	8,357496	8,417225	8,251114	8,405237	8,514801	8,531841	8,341945	8,483959667	0,14201467	1,103444958	Aqr
17353800	4,116188	4,062195	4,505774	4,497754	4,182558	4,429913	4,2280523	4,370075	0,14202267	1,103451077	Pcdhga11
17341711	2,784333	3,189692	2,815713	2,601993	3,094266	3,51964	2,9299127	3,071966333	0,14205367	1,103474787	---
17201055	8,360386	8,275479	8,664914	8,559299	8,699779	8,467984	8,433593	8,575687333	0,14209433	1,103505892	---
17520156	4,672052	3,57517	3,766904	4,722296	3,939506	3,778667	4,0047087	4,146823	0,14211433	1,10352119	---
17534909	8,435513	8,717925	8,717776	8,807591	8,742205	8,747853	8,623738	8,765883	0,142145	1,103544648	Ddx26b
17409463	6,602131	6,699234	6,763182	6,751033	6,913781	6,826187	6,6881823	6,830333667	0,14215133	1,103549492	Fam102b
17290985	3,29951	3,212198	3,460373	3,524295	3,380432	3,49391	3,324027	3,466212333	0,14218533	1,1035755	Olfr1364
17379552	7,523059	6,763044	7,534375	7,521358	7,278142	7,447648	7,2734927	7,415716	0,14222333	1,103604568	---
17550140	7,523059	6,763044	7,534375	7,521358	7,278142	7,447648	7,2734927	7,415716	0,14222333	1,103604568	---
17439511	5,697533	5,583398	5,458132	5,659845	5,872087	5,633843	5,5796877	5,721925	0,14223733	1,103615277	Prdm8
17214622	6,013379	5,891372	5,814138	6,042772	6,216431	5,886436	5,9062963	6,048546333	0,14225	1,103624967	Slc4a3
17377395	4,892854	4,82255	4,916457	5,274492	4,704322	5,079918	4,877287	5,019577333	0,14229033	1,103655822	Cst8
17245081	5,979541	5,15099	5,582118	5,660989	5,82891	5,649681	5,570883	5,713193333	0,14231033	1,103671122	4933416C03Rik
17532702	7,384538	6,640664	6,132179	7,193165	6,430911	6,960255	6,719127	6,861443667	0,14231667	1,103675967	Gmcl1l
17375841	8,624567	8,504992	8,491325	8,654566	8,735218	8,658076	8,5402947	8,68262	0,14232533	1,103682597	Stard7
17235584	7,331181	7,130688	7,257643	7,301294	7,465773	7,379521	7,2398373	7,382196	0,14235867	1,103708097	Dapk3
17236204	5,424128	5,356328	5,345185	5,682162	5,426744	5,443891	5,3752137	5,517599	0,14238533	1,103728499	BC030307
17388594	3,916917	4,049592	4,153946	4,156927	4,154308	4,236503	4,0401517	4,182579333	0,14242767	1,103760886	Mir670
17208569	4,572938	3,511609	3,857853	3,724297	4,354146	4,291332	3,9808	4,123258333	0,14245833	1,103784348	---

17248522	7,884872	7,633656	7,704453	8,100834	7,698203	7,851341	7,7409937	7,883459333	0,14246567	1,103789959	---
17377910	6,76184	6,655068	6,645167	6,773429	6,874737	6,841331	6,6873583	6,829832333	0,142474	1,103796335	Pofut1
17200909	3,908764	4,215379	4,191101	4,184206	4,254029	4,304431	4,1050813	4,247555333	0,142474	1,103796335	---
17334790	6,602527	6,855546	6,80581	6,963249	6,875501	6,852623	6,7546277	6,897124333	0,14249667	1,103813677	Wdr24
17378776	6,46374	6,481105	6,453784	6,607724	6,797685	6,420717	6,4662097	6,608708667	0,142499	1,103815462	Vstm2l
17432745	3,022117	3,374208	3,267846	3,251691	3,298492	3,541564	3,2213903	3,363915667	0,14252533	1,10383561	4933438K21Rik
17332739	8,529946	8,269721	8,408156	8,587232	8,450048	8,598129	8,4026077	8,545136333	0,14252867	1,103838161	Arid1b
17306164	4,255646	4,210738	4,091736	4,551277	4,130141	4,304417	4,18604	4,328611667	0,14257167	1,103871061	Rnase13
17499676	4,821242	4,845068	4,70237	4,94165	5,044005	4,810754	4,78956	4,932136333	0,14257633	1,103874632	---
17534739	3,114523	3,321811	2,970795	3,290469	3,239689	3,304791	3,1357097	3,278316333	0,14260667	1,103897842	---
17207067	5,595524	4,883277	5,057747	5,31034	5,071432	5,582681	5,1788493	5,321484333	0,142635	1,103919522	---
17306696	7,213474	7,195969	7,290804	7,197576	7,528035	7,402561	7,2334157	7,376057333	0,14264167	1,103924623	Fam158a
17467545	3,951418	3,917408	3,820797	4,088267	3,696118	4,333219	3,896541	4,039201333	0,14266033	1,103938906	---
17505623	6,719616	6,743496	6,604694	6,859388	6,95591	6,680565	6,6892687	6,831954333	0,14268567	1,103958291	Mtss1l
17540453	3,382437	3,233457	3,539677	3,445901	3,834055	3,303782	3,3851903	3,527912667	0,14272233	1,103986349	Mir222
17380747	6,690613	7,117799	7,114603	7,085965	7,421149	6,844077	6,9743383	7,117063667	0,14272533	1,103988645	Mir3091
17322600	8,54286	8,348459	8,432355	8,543829	8,706566	8,501483	8,4412247	8,583959333	0,14273467	1,103995787	Mgrn1
17202115	5,545118	5,306985	6,637662	6,27321	5,566806	6,078021	5,8299217	5,972679	0,14275733	1,104013132	---
17325357	2,92405	2,939259	3,132364	3,260464	3,120918	3,042602	2,9985577	3,141328	0,14277033	1,104023081	---
17258140	6,914928	6,86127	6,690997	6,904194	7,080606	6,910818	6,8223983	6,965206	0,14280767	1,10405165	Tmem104
17205053	6,064613	6,464241	6,603969	6,630693	6,708207	6,222433	6,3776077	6,520444333	0,14283667	1,104073843	---
17209243	6,064613	6,464241	6,603969	6,630693	6,708207	6,222433	6,3776077	6,520444333	0,14283667	1,104073843	---
17476641	11,07129	10,74634	10,84052	11,26686	10,87192	10,9479	10,88605	11,02889333	0,14284333	1,104078945	---
17476646	11,07129	10,74634	10,84052	11,26686	10,87192	10,9479	10,88605	11,02889333	0,14284333	1,104078945	---
17231118	7,29163	7,277966	7,154834	7,304868	7,447231	7,40087	7,2414767	7,384323	0,14284633	1,104081241	Rcor3
17453650	7,802013	7,889313	7,673408	7,944366	8,024486	7,824498	7,7882447	7,931116667	0,142872	1,104100884	Ywhag
17548434	6,497	6,464434	6,411373	6,722494	6,486895	6,592036	6,4576023	6,600475	0,14287267	1,104101394	Gm17739
17492173	6,029532	6,283773	5,773222	6,355382	6,086587	6,073206	6,0288423	6,171725	0,14288267	1,104109047	Gm4971
17284562	6,523458	6,311269	6,128739	6,468381	6,240878	6,68298	6,3211553	6,464079667	0,14292433	1,104140936	---
17344873	4,544226	4,485264	4,560223	4,431407	4,938251	4,648835	4,5299043	4,672831	0,14292667	1,104142721	H2-M2
17422704	9,750263	9,738006	9,803289	10,11373	9,800899	9,805734	9,7638527	9,906787667	0,142935	1,104149099	Ccnl2
17354513	6,285579	6,431876	6,484867	6,531784	6,527723	6,571621	6,400774	6,543709333	0,14293533	1,104149354	Fbn2
17493102	2,984358	3,098911	3,147478	3,261788	3,283887	3,113901	3,0769157	3,219858667	0,142943	1,104155222	Vmn2r75
17349942	5,74485	5,45216	5,744591	5,72526	5,998808	5,646417	5,6472003	5,790161667	0,14296133	1,104169253	Pcdhb20
17428062	3,499334	3,198209	3,178427	3,376421	3,70163	3,226817	3,29199	3,434956	0,142966	1,104172825	---
17528040	5,109678	5,130753	5,117102	5,179848	5,39614	5,210459	5,1191777	5,262149	0,14297133	1,104176907	Skor1
17392805	3,909789	3,8276	4,418491	4,392028	3,785359	4,407516	4,05196	4,194967667	0,14300767	1,104204715	LOC100125594
17498625	6,887304	6,838326	6,948442	7,23031	6,966251	6,906535	6,8913573	7,034365333	0,143008	1,10420497	Pnpla6
17535045	4,196623	4,21055	4,119362	4,54321	4,295023	4,117478	4,1755117	4,318570333	0,14305867	1,10424375	Gm14718
17258664	7,356184	7,217288	7,16228	7,402071	7,41219	7,35068	7,2452507	7,388313667	0,143063	1,104247067	Mfsd11
17243715	3,277402	2,946648	3,239838	3,48088	3,251485	3,160728	3,1546293	3,297697667	0,14306833	1,104251149	---
17513479	7,003372	6,770885	6,743051	6,9915	6,771643	7,183438	6,8391027	6,982193667	0,143091	1,104268498	4632415K11Rik
17366888	3,084609	3,204933	2,909463	3,283793	3,229035	3,115521	3,066335	3,209449667	0,14311467	1,104286613	---
17550580	6,417733	6,266851	6,196694	6,730134	6,303576	6,276923	6,2937593	6,436877667	0,14311833	1,10428942	---
17524342	3,160159	3,237014	3,513213	3,390519	3,388474	3,560773	3,303462	3,446588667	0,14312667	1,104295799	Olfr856-ps1
17365566	4,574691	4,409401	4,481313	4,533735	4,588282	4,772927	4,4884683	4,631648	0,14317967	1,104336368	---
17352777	4,570858	4,824713	4,824713	4,870141	4,849872	4,929825	4,7400947	4,883279333	0,14318467	1,104340195	---
17254547	7,361042	7,307613	7,355744	7,397514	7,476724	7,57972	7,3414663	7,484652667	0,14318633	1,104341471	Bcas3
17205691	7,37997	7,381726	7,327677	7,906019	7,402488	7,210428	7,3631243	7,506311667	0,14318733	1,104342236	---
17279923	5,557827	5,45512	5,536324	5,711617	5,780699	5,486659	5,5164237	5,659658333	0,14323467	1,104378469	Slc7a15
17279934	4,514215	3,962874	4,445842	4,427897	4,552145	4,372622	4,3076437	4,450888	0,14324433	1,104385869	Gm4755
17279938	5,70401	5,695837	5,861191	5,967374	5,831208	5,892298	5,7536793	5,89696	0,14328067	1,104413683	9930038B18Rik
17247519	7,253971	7,112648	6,919106	7,261178	7,296614	7,157822	7,0952417	7,238538	0,14329633	1,104425676	Spred2
17219096	9,254462	9,243377	9,275336	9,471926	9,312847	9,418303	9,257725	9,401025333	0,14330033	1,104428738	Aldh9a1
17513008	9,260557	9,54693	9,315532	9,391437	9,542728	9,618773	9,3743397	9,517646	0,14330633	1,104433331	---
17252408	9,257718	9,337716	9,100463	9,325279	9,519482	9,281065	9,2319657	9,375275333	0,14330967	1,104435883	Ankfy1
17423205	8,405226	8,696094	8,51532	8,987256	8,552649	8,50679	8,53888	8,682231667	0,14335167	1,104468036	---
17550745	4,514259	4,52671	4,727979	4,420823	4,864432	4,914024	4,5896493	4,733093	0,14344367	1,10453847	---
17499534	3,695386	3,667023	4,164955	4,090565	4,008266	3,858897	3,8424547	3,985909333	0,14345467	1,104546891	---
17519658	6,775064	6,503947	6,596704	6,710552	6,892646	6,702927	6,6252383	6,768708333	0,14347	1,104558631	Gsta1
17330484	5,562241	4,686113	5,403666	5,325196	5,349165	5,408093	5,21734	5,360818	0,143478	1,104564756	---
17395971	3,292564	3,233618	3,423767	3,421753	3,676986	3,281703	3,3166497	3,460147333	0,14349767	1,104579813	---
17518694	9,464844	9,677815	9,42028	9,645457	9,728217	9,619846	9,5209797	9,664506667	0,143527	1,104602272	Herc1
17347663	3,828361	3,86412	4,370478	4,028285	4,303147	4,162151	4,0209863	4,164527667	0,14354133	1,104613246	C430042M11Rik // C430042M11Rik
17370659	5,033354	5,106621	5,08947	5,087962	5,482741	5,08947	5,0764817	5,220057667	0,143576	1,10463979	Kif5c
17421774	7,269032	7,398107	7,287725	7,411791	7,507488	7,466518	7,318288	7,461932333	0,14364433	1,104692112	Dffa
17526633	5,171529	5,169298	5,234544	5,247541	5,382768	5,376012	5,1917903	5,335440333	0,14365	1,104696451	Gm10680
17465062	9,455495	9,470612	9,368768	9,643817	9,538213	9,54388	9,431625	9,575303333	0,14367833	1,104718147	Fam3c
17512502	5,464792	5,317895	5,371483	5,654535	5,37733	5,553412	5,3847233	5,528425667	0,14370233	1,104736525	Gfod2
17284175	4,558246	4,383923	4,413126	4,558041	4,425828	4,802563	4,451765	4,595477333	0,14371233	1,104744182	BC048943
17210633	5,57306	6,002429	5,62047	6,429427	5,677307	5,520371	5,7319863	5,875701667	0,14371533	1,104746479	---
17414995	5,071432	4,947742	5,169681	5,136561	5,178969	5,304472	5,0629517	5,206667333	0,14371567	1,104746735	Gm5860
17501303	5,734901	6,052024	6,033879	5,945538	6,141495	6,164928	5,940268	6,083987	0,143719	1,104749287	AW046200
17253648	8,430321	8,27265	8,517912	8,508311	8,482402	8,661403	8,406961	8,550705333	0,14374433	1,104768686	Slc46a1
17200339	3,997288	2,950434	3,70311	3,658436	4,121138	3,302729	3,5502773	3,694101	0,14382367	1,104829439	---
17350236	4,123215	3,780383	3,837792	4,130288	3,842243	4,200412	3,9137967	4,057647667	0,143851	1,104850371	Spink14
17256388	5,158284	5,164492	5,005325	5,231215	5,367425	5,16104	5,109367	5,253226667	0,14385967	1,104857008	Ttc25
17328098	5,251975	5,374639	5,04215	5,426912	5,211756	5,461777	5,2229213	5,366815	0,14389367	1,104883047	---
17341743	7,080183	7,404012	7,215628	7,628486	7,525381	6,977648	7,2332743	7,377171667	0,14389733	1,104885855	Tbc1d24
17217101	6,563239	6,698882	6,671294	6,814431	6,815145	6,735574	6,6444717	6,788383333	0,14391167	1,104896832	Slc41a1
17237426	4,424196	4,441703	4,403417	4,823097	4,539804	4,338157	4,4231053	4,567019333	0,143914	1,104898619	Ptprr
17290666	4,66657	4,704736	4,474731	4,820244	4,757912	4,699704	4,6153457	4,759286667	0,143941	1,104919297	Prl2c2 // Prl2c2
17479041	5,922365	6,12498	6,393226	6,457028	6,108846	6,306544	6,146857	6,290806	0,143949	1,104925424	Adamts17
17550374	5,016478	4,567246	4,755806	5,006815	4,872444	4,892276	4,7798433	4,923845	0,14400167	1,104965761	---
17510114	6,014944	6,074953	6,121193	6,271932	6,182311	6,188878	6,0703633	6,214373667	0,14401033	1,104972399	Gdf15
17299056	6,41853	6,55337	6,787953	6,834188	6,806965	6,550743	6,5866177	6,730632	0,14401433	1,104975463	---
17364133	5,75088	5,55921	5,181524	5,733865	5,626735	5,563073	5,4972047	5,641224333	0,14401967	1,104979548	2010002M12Rik
17436128	7,210646	7,219106	7,127225	7,334159	7,329208	7,325738	7,185659	7,329701667	0,14404267	1,104997164	Zfp512
17394694	7,663899	7,626992	7,413507	7,50317	7,838664	7,79476	7,5681327	7,712198	0,14406533	1,105014525	B4galt5
17281126	9,311583	9,621559	9,036592	9,460832	9,470125	9,470982	9,3232447	9,467313	0,14406833	1,105016823	Snx6
17280171	5,397189	5,292737	5,417999	5,551899	5,274844	5,713563	5,3693083	5,513435333	0,144127	1,105061759	---
17338041	4,960166	4,964965	5,354599	5,327036	4,961489	5,423684	5,0932433	5,237403	0,14415967	1,105086781	Mir693
17429310	6,971997	7,280681	7,008412	7,335947	7,075363	7,282385	7,08703	7,231231667	0,14420167	1,105118953	Zfp691
17300369	10,29797	10,55593	10,48473	10,709	10,52275	10,53949	10,44621	10,59041333	0,14420333	1,105120229	---
17519682	5,99408	5,826837	5,755016	6,00894	5,936738	6,062942	5,8586443	6,002873333	0,144229	1,105139891	Gm10639
17366880	3,526717	3,781513	3,711664	4,015174	3,68554	3,751872	3,673298	3,817528667	0,14423067	1,105141167	Mir466b-3 // Mir466b-3
17354256	6,285986	6,126884	5,955352	6,37242	6,436546	5,991961	6,1227407	6,266975667	0,144235	1,105144487	---
17300125	4,313555	4,452792	4,446041	4,578081	4,640627	4,426515	4,4041293	4,548407667	0,14427833	1,105177682	---
17444498	6,411078	6,461207	6,671767	6,508814	6,869756	6,598372	6,514684	6,658980667	0,14429667	1,105191726	Nptx2
17422946	3,988651	3,884451	3,871807	3,78062	4,283204	4,114165	3,9149697	4,059329667	0,14436	1,105240244	Vmn1r3
17220768	4,00335	4,13371	3,936649	4,360458	4,394618	3,751732	4,0245697	4,168936	0,14436633	1,105245096	Mfsd7b
17297010	8,058267	8,072406	7,928144	8,251599	8,148452	8,091941	8,0196057	8,163997333	0,14439167	1,105264504	Flnb
17220197	4,522128	4,634573	4,669399	4,626742	4,823198	4,809375	4,6087	4,753105	0,144405	1,105274719	Lefty2
17524028	7,453626	7,435677	7,469139	7,527089	7,662065	7,602616	7,452814	7,597256667	0,14444267	1,105303577	Amotl1
17279640	5,206952	5,430694	5,601841	5,720564	5,568905	5,383536	5,4131623	5,557668333	0,144506	1,1053521	Ptprn2
17281350	7,146764	7,414523	6,753726	7,541569	7,106226	7,100742	7,1050043	7,249512333	0,144508	1,105353632	Clec14a
17264121	5,06773	4,795167	4,906758	5,152083	4,93474	5,116432	4,9232183	5,067751667	0,14453333	1,105373042	Gm12292
17207941	4,239316	3,901971	3,562931	4,165556	3,96101	4,011302	3,901406	4,045956	0,144555	1,105385812	---
17478010	5,717013	5,807442	6,114006	6,032008	6,048038	5,992161	5,879487	6,024069	0,144582	1,10541033	Lmtk3
17389608	6,856418	7,110553	7,01405	7,1129	7,12467	7,177222	6,9936737	7,138264	0,14459033	1,105416715	Meis2
17292817	8,488857	8,52599	8,814002	8,870576	8,845027	8,547033	8,6096163	8,754212	0,14459567	1,105420802	Rab24
17525966	4,832204	4,753997	4,81913	5,054677	4,95248	4,832068	4,801777	4,946408333	0,14463133	1,105448131	Tecta
17348489	6,116331	5,619599	6,329908	6,018507	6,377605	6,103657	6,021946	6,166589667	0,14464367	1,105457581	Npc1
17440885	5,303937	5,284991	5,526815	5,638205	5,709617	5,201926	5,3719143	5,516582667	0,14466833	1,105476482	Myo1h
17387794	3,014372	2,849058	3,054191	3,13539	3,173512	3,042733	2,9725403	3,117211667	0,14467133	1,105478781	Olfr1160
17250236	5,985544	5,791403	5,822616	6,248102	5,910551	5,874948	5,8665521	6,011200333	0,14467933	1,105484911	4933439C10Rik
17544371	3,455949	3,366548	3,414851	3,758545	3,506851	3,406037	3,4124493	3,557144333	0,144695	1,105496916	---
17521917	6,065767	6,113028	6,020463	6,248863	6,30411	6,080394	6,0664193	6,211122333	0,144703	1,105503046	Nckipsd
17282498	8,90567	8,791362	8,554996	8,875886	8,939785	8,87047	8,750676	8,895380333	0,14470433	1,105504068	Entpd5
17377026	3,922506	3,85849	3,957222	4,263724	4,018647	3,889972	3,9127393	4,057447667	0,14470833	1,105507133	---
17491358	6,449921	6,460992	6,76814	6,828182	6,564572	6,720458	6,5596843	6,704404	0,14471967	1,105515817	Mrgprx2
17383350	5,926007	6,007127	6,203032	6,404931	5,981477	6,183918	6,0453887	6,190108667	0,14472	1,105516073	Col5a1
17206605	3,733019	3,728259	3,945411	3,889672	3,551572	4,399628	3,8022297	3,946957333	0,14472767	1,105521947	---
17404695	4,109325	3,896127	4,231315	4,529549	3,936399	4,205069	4,0789223	4,223672333	0,14475	1,105539061	---
17270829	5,031238	5,292449	5,430333	5,488719	5,370301	5,329347	5,25134	5,396122333	0,14478233	1,105563839	Gh
17494254	4,693389	4,658737	4,733087	4,80773	4,950115	4,761752	4,695071	4,839865667	0,14479467	1,10557329	Olfr66
17377926	6,615892	6,530556	6,099861	6,597377	6,610882	6,472435	6,4154363	6,560231333	0,144795	1,105573545	Kif3b
17517368	4,399771	4,555904	4,293725	4,717865	4,425351	4,540607	4,4164667	4,561274333	0,14480767	1,105583252	Gldn
17231482	5,086473	5,045913	5,0433	5,135146	5,329643	5,145325	5,058562	5,203371333	0,14480933	1,10558453	Vip
17404682	7,601064	7,577826	7,547117	7,697892	7,56029	7,902435	7,5753357	7,720205667	0,14487	1,105631021	Gm15118 // Dnajc19
17200797	7,919822	7,572383	7,717901	8,286027	7,660594	7,698117	7,736702	7,881579333	0,14487733	1,105636641	---
17349607	4,604185	4,906342	4,940562	4,901707	4,931649	5,052471	4,8170297	4,961942333	0,14491267	1,10566372	Psd2
17367852	5,542755	5,804347	5,868072	5,785484	5,850399	6,014075	5,7383913	5,883319333	0,144928	1,105675471	Nrarp
17411235	4,257768	4,596565	4,374568	4,415625	4,580373	4,667758	4,4096337	4,554585333	0,14495167	1,10569361	Ak5

17204355	5,727811	5,697221	5,493158	6,070093	5,741978	5,540974	5,6393967	5,784348333	0,14495167	1,10569361	---
17421865	3,756876	4,046358	3,907381	4,156282	3,998724	3,990625	3,9035383	4,048543667	0,14500533	1,105734741	Mir34a
17312511	7,672034	7,648335	7,527722	7,635125	7,880475	7,767591	7,6160303	7,761063667	0,14503333	1,105756201	Adck5
17498502	7,712717	7,683388	7,530889	7,811686	7,840236	7,710231	7,6423313	7,787384333	0,145053	1,105771275	Ccnd1
17274841	8,819645	8,767255	8,744933	8,983268	8,935173	8,848608	8,7772777	8,922349667	0,145072	1,105785838	Cog5
17348492	5,562475	5,461523	5,606258	5,624905	5,701772	5,738865	5,5434187	5,6885 14	0,14509533	1,105803722	Lama3
17286791	8,01638	8,113857	7,834629	8,136518	8,191655	8,07217	7,9882887	8,133447667	0,145159	1,105852523	Tmem170b
17539932	7,595176	7,593342	7,439386	7,738401	7,738987	7,585994	7,5426347	7,687794	0,14515933	1,105852779	Hdac6
17301847	4,956479	4,881558	5,011557	5,231471	4,834246	5,219441	4,9498647	5,095052667	0,145188	1,105874752	---
17485357	9,649429	9,360502	9,378004	9,72773	9,451771	9,644039	9,462645	9,607846667	0,14520167	1,105885228	Dhcr7
17277300	4,433609	4,338689	4,608913	4,453037	4,955556	4,408253	4,4604037	4,605615333	0,14521167	1,105892894	Ltbp2 // Ltbp2
17439162	3,281085	3,099213	3,246084	3,421448	3,297444	3,343149	3,208794	3,354013667	0,14521967	1,105899026	---
17269693	3,84445	3,496495	3,770284	3,800908	4,055869	3,690145	3,703743	3,848974	0,145231	1,105907714	---
17210775	6,041987	5,463068	5,256432	5,766904	5,766687	5,66371	5,5871623	5,732433667	0,14527133	1,105938632	---
17459983	4,715113	4,690417	4,845003	4,878666	4,894033	4,913736	4,7501777	4,895478333	0,14530067	1,105961119	1700003E16Rik
17538590	10,2836	10,34846	10,19558	10,53063	10,3758	10,35715	10,27588	10,42119333	0,14531333	1,105970829	Pfkfb1
17415292	5,709447	6,281038	5,865831	5,959819	6,2167	6,115788	5,9521053	6,097435667	0,14533033	1,105983861	Gm13271
17512833	9,185277	9,379457	9,348749	9,48187	9,446491	9,421389	9,3044943	9,449916667	0,14542233	1,106054391	2400003C14Rik
17522647	5,311481	5,410982	5,463497	5,957771	5,304584	5,359912	5,39532	5,540755667	0,14543567	1,106064614	---
17290214	3,107059	3,140887	3,078219	3,24771	3,201471	3,313343	3,1087217	3,254174667	0,145453	1,106077902	Gm20251
17286682	5,834363	5,572654	5,885204	6,047722	5,830185	5,850707	5,7640737	5,909538	0,14546433	1,106086591	Bmp6
17393825	6,992611	6,928121	6,892086	7,244139	7,079205	6,925873	6,937606	7,083072333	0,14546633	1,106088125	9430008C03Rik
17202619	6,655343	7,050854	6,887792	6,619853	7,442326	6,968224	6,864663	7,010134333	0,14547133	1,106091958	---
17536201	3,881432	3,730155	3,801078	3,837006	4,02345	3,988659	3,8042217	3,949705	0,14548333	1,106101159	Nr0b1
17305482	7,651532	7,370161	6,777481	7,57564	7,13354	7,526475	7,2663913	7,411885	0,14549367	1,106109081	---
17281306	5,842502	5,653406	5,87041	5,886781	6,070693	5,845329	5,7887727	5,934267667	0,145495	1,106110103	Nkx2-9
17452550	4,691526	5,122091	5,279636	5,239392	5,353458	4,936897	5,0310843	5,176582333	0,145498	1,106112403	---
17535982	3,148445	3,10306	3,197183	3,304739	3,341626	3,238836	3,1495627	3,295067	0,14550433	1,106117259	---
17515921	6,333323	6,61792	6,678668	6,69747	6,575494	6,793717	6,5433037	6,688893667	0,14559	1,106182942	Cdon
17249206	6,85895	7,134626	6,688262	7,010942	7,139553	6,968152	6,893946	7,039549	0,145603	1,10619291	Adamts2
17343227	9,728129	9,494501	9,578724	9,676476	9,832303	9,729401	9,0004513	9,74606	0,14560867	1,106197255	Cbs
17372882	4,52971	5,258724	5,433299	5,567407	5,58007	5,511106	5,4072443	5,552861	0,14561667	1,106203389	Olfr1143
17523303	4,71769	4,725449	4,930833	5,154542	4,707693	4,948603	4,791324	4,936946	0,145622	1,106207478	4930596M17Rik
17411918	7,546509	7,368251	7,256413	7,247531	7,58198	7,778568	7,390391	7,536026333	0,14563533	1,106217702	Runx1t1
17403571	4,697906	5,550058	4,694083	5,253787	5,187242	4,93797	4,9806823	5,126333	0,14565067	1,106229459	Ttll7
17450207	8,31441	8,320709	8,26592	8,422362	8,465075	8,450677	8,3003463	8,446038	0,14569167	1,106260897	Wdfy3
17231591	6,238236	6,327955	6,648103	6,531309	6,72227	6,397795	6,4047647	6,550458	0,14569333	1,106262175	Zc3h12d
17524451	6,67892	6,509347	6,686273	6,803921	6,93827	6,569455	6,6248467	6,770548667	0,145702	1,106268821	Col5a3
17502191	8,185444	8,061378	8,080754	8,154209	8,307451	8,303051	8,109192	8,254903667	0,14571167	1,106276233	Mrpl34
17273316	6,900125	6,868721	6,869383	7,029	7,09983	6,946557	6,8794097	7,025129	0,14571933	1,106282112	Rfng
17550783	3,725376	3,736739	4,097072	4,020489	4,159574	3,816349	3,8530623	3,998804	0,14574167	1,106299238	---
17284426	8,581612	7,719792	7,462454	8,261744	7,842462	8,097121	7,921286	8,067109	0,145823	1,106361609	---
17383798	6,10159	5,997002	6,010592	6,159513	6,179454	6,207757	6,0363947	6,182241333	0,14584667	1,106379758	Fibcd1
17511079	6,665973	6,651978	6,802721	6,926372	6,89168	6,740237	6,7068907	6,852763	0,14587233	1,106399441	Zswim4
17338897	6,041387	6,003177	6,073722	6,159883	6,153858	6,242181	6,0394287	6,185307333	0,14587867	1,106404299	Prr22
17542135	4,655922	4,381251	4,705564	4,602747	4,653185	4,924463	4,5809123	4,726798333	0,145886	1,106409922	---
17340502	6,905351	6,904471	6,696622	6,942421	7,076395	6,925511	6,8354813	6,981442333	0,145961	1,106467442	Serac1
17300229	3,519462	3,328588	3,098911	3,255112	3,816466	3,313267	3,3156537	3,461615	0,14596133	1,106467697	---
17219453	11,41498	11,46648	11,45782	11,67022	11,45893	11,64822	11,446427	11,59245667	0,14603	1,106520362	---
17203117	4,459244	4,160726	3,634149	5,247606	3,385633	4,059047	4,0847063	4,230762	0,14605567	1,106540048	---
17425631	5,733122	5,765685	5,860051	5,969521	5,876003	5,951519	5,786286	5,932347667	0,14606167	1,10654465	Svep1
17516459	4,447469	4,828273	4,809696	5,008334	4,83484	4,680567	4,695146	4,841247	0,146101	1,106574819	Gm3898
17288107	5,956769	6,29196	6,299065	6,387146	6,54837	6,050727	6,182598	6,328747667	0,14614967	1,106612148	Mir27b
17492810	4,870283	4,763472	4,67686	4,741045	4,89734	5,110682	4,770205	4,916355667	0,14615067	1,106612915	Fsd2 // Fsd2
17206717	3,512991	3,641208	2,746315	3,958772	3,145307	3,234888	3,3001713	3,446322333	0,146151	1,106613171	---
17247550	8,979244	9,017161	8,809225	9,004712	9,139181	9,100298	8,93521	9,081397	0,146187	1,106640785	Peli1
17549894	5,243733	5,417403	5,247128	5,357937	5,569802	5,419088	5,3027547	5,448942333	0,14618767	1,106641296	---
17514918	3,31189	3,079549	2,834441	3,278494	3,234514	3,151454	3,0752933	3,221487333	0,146194	1,106646154	Olfr836
17313877	8,449541	8,071204	7,946538	8,553173	8,093576	8,259126	8,155761	8,301958333	0,14619733	1,106648711	Ttc38
17207623	6,403264	5,832924	6,147434	5,929763	6,745816	6,146706	6,127874	6,274095	0,146221	1,106666865	---
17468529	7,159851	7,736958	7,945428	7,375082	7,908804	7,997073	7,614079	7,760319667	0,14624067	1,106681952	---
17292174	8,609996	8,232287	8,345559	8,62042	8,377465	8,628752	8,3959473	8,542212333	0,146265	1,106700618	Atxn1
17512780	7,351336	7,409677	7,359889	7,453736	7,626997	7,478979	7,373634	7,519904	0,14627	1,106704453	Dhx38
17401007	5,893738	5,641988	5,665558	5,855065	5,987188	5,797868	5,7337613	5,880040333	0,146279	1,106711357	Trim45
17509615	3,377847	3,411723	3,344569	3,408054	3,76043	3,404494	3,3780463	3,524326	0,14627967	1,106711869	Mir710
17469894	9,481178	9,435294	9,349463	9,612899	9,514064	9,577888	9,4219783	9,568283667	0,14630533	1,106731558	Raf1
17324731	3,897973	3,815353	4,576969	4,127439	4,218087	4,383689	4,096765	4,243071667	0,14630667	1,106732581	---
17548444	12,16107	11,73422	12,01178	12,18663	12,11591	12,04357	11,969023	12,11537	0,14634667	1,106763266	Ost4
17333881	4,593598	4,467984	4,416515	4,733124	4,647662	4,53638	4,492699	4,639055333	0,14635633	1,106770682	Gm5092
17339383	6,304395	5,493815	5,452476	5,917626	6,180725	5,591593	5,7502287	5,896648	0,14641933	1,106819014	---
17300030	4,101407	4,240317	4,770834	4,186401	4,714186	4,651266	4,3708527	4,517284333	0,14643167	1,106828476	---
17550366	6,216263	5,92115	6,400588	6,592827	6,040437	6,344148	6,1793337	6,325804	0,14647033	1,106858141	---
17470561	5,18606	5,377141	5,278013	5,346306	5,628466	5,305992	5,2804047	5,426921333	0,14651667	1,10689369	Rimklb
17205073	3,886661	4,49596	4,550764	4,577635	4,701994	4,093321	4,3111283	4,45765	0,14652167	1,106897526	---
17209263	3,886661	4,49596	4,550764	4,577635	4,701994	4,093321	4,3111283	4,45765	0,14652167	1,106897526	---
17250682	6,700428	6,811618	6,712949	7,046706	6,87864	6,739319	6,741665	6,888221667	0,14655667	1,10692438	Pigl
17505114	5,890354	6,033219	6,065967	6,146813	6,268632	6,013785	5,9965133	6,143076667	0,14656333	1,106929495	Zfp90
17544936	5,108187	4,884534	4,942978	5,384016	5,084529	4,90693	4,9785663	5,125158333	0,146592	1,10695149	---
17461408	5,938717	5,906082	5,90711	6,03356	6,084557	6,073652	5,917303	6,063923	0,14662	1,106972974	Gm19789
17479753	4,179801	4,486218	4,609204	4,58516	4,646961	4,483034	4,4250743	4,571718333	0,146644	1,106991389	LOC434205
17418890	5,785355	5,936182	6,15537	6,021327	6,339692	5,95583	5,958969	6,105616333	0,14664733	1,106993947	---
17331465	4,01018	4,307604	4,126776	4,299127	4,24621	4,339243	4,1481867	4,29486	0,14667333	1,107013897	Speer2
17257874	8,761177	8,928124	8,940713	8,99472	9,066754	9,008561	8,8766713	9,023345	0,14667367	1,107014153	Prkar1a
17201155	8,106358	8,115982	8,032543	7,936331	7,989465	8,769167	8,084961	8,231654333	0,14669333	1,107029244	---
17426402	6,387351	6,595401	6,720837	6,846394	6,707807	6,589473	6,567863	6,714558	0,146695	1,107030523	Astn2
17366949	5,320063	5,252022	5,438845	5,557198	5,354154	5,539772	5,3369767	5,483708	0,14673133	1,107058403	---
17221373	8,735194	8,829405	8,468238	8,586186	8,843515	9,043335	8,6776123	8,824345333	0,146733	1,107059682	Gm5523
17438189	6,399921	6,278854	6,22592	6,449754	6,362997	6,532155	6,301565	6,448302	0,146737	1,107062751	Rasl11b
17373240	5,667407	5,542204	5,620745	5,710776	5,773944	5,78588	5,6101187	5,756866667	0,146748	1,107071192	Pacsin3
17222080	6,048489	5,742255	5,881145	6,028367	6,166562	5,917279	5,8906297	6,037402667	0,146773	1,107090376	Prss40
17275756	4,534034	4,437605	4,491495	4,620338	4,687883	4,595272	4,4877113	4,634497667	0,14678633	1,107100608	Lrfn5
17470086	5,356332	5,314583	5,479531	5,27722	5,277503	6,036107	5,383482	5,530276667	0,14679467	1,107107003	---
17227852	5,352771	5,077223	5,176987	5,129201	5,492242	5,425956	5,202327	5,349133	0,146806	1,1071157	7530420F21Rik
17463385	5,143786	5,080547	4,863114	4,97755	5,385349	5,164994	5,029149	5,175964333	0,14681533	1,107122862	---
17512462	8,092781	8,428365	8,216851	8,269229	8,29928	8,609967	8,245999	8,392825333	0,14682633	1,107131304	---
17539434	7,583121	7,538402	7,521766	7,740131	7,659059	7,684677	7,547763	7,694622333	0,14685933	1,107156628	Ctps2
17443286	9,107366	9,055351	9,073957	9,162233	9,330619	9,18444	9,0788913	9,225764	0,14687267	1,107166861	Por
17262065	8,359941	8,240113	8,175263	8,424722	8,426641	8,364601	8,258439	8,405321333	0,14688233	1,107174279	Cyfip2
17487001	8,493964	8,484837	8,565136	8,75522	8,654102	8,575447	8,5146457	8,661589667	0,146944	1,107221605	Hif3a
17245231	5,467115	5,990881	6,218168	6,033412	6,07667	6,006921	5,8920547	6,039001	0,14694633	1,107223396	Lyz1
17383540	8,098783	7,913052	7,860435	8,097268	8,150654	8,065189	7,9574233	8,104370333	0,146947	1,107223908	Zdhhc12
17538744	8,962008	9,115484	8,888037	9,146204	9,139861	9,120411	8,9885097	9,135492	0,14698233	1,107251025	Huwe1
17443445	4,492246	4,394266	4,863003	4,846351	4,694817	4,649323	4,5831717	4,730163667	0,146992	1,107258445	Cux1
17461888	5,453432	5,361287	5,385767	5,605457	5,515639	5,520493	5,400162	5,547196333	0,14703433	1,107290936	Hrh1
17538958	3,684012	3,864371	3,784888	4,270753	3,694499	3,809321	3,777757	3,924857667	0,14710067	1,107341849	Gm7157
17360290	3,84621	3,806139	4,078207	4,235481	4,041939	3,89448	3,9101853	4,0573	0,14711467	1,107352594	---
17412001	4,771231	4,484976	4,698562	4,882334	4,521912	4,991894	4,6515897	4,798713333	0,14712367	1,107359502	A530072M11Rik // A530072M11Rik
17503377	6,491894	6,564485	6,657121	6,629399	6,889454	6,636062	6,5711667	6,718305	0,14713833	1,10737076	Dhps
17530955	9,710176	9,749964	9,800476	9,922287	9,956926	9,822882	9,7535387	9,900698333	0,14715967	1,107387135	Gnai2
17221262	6,725947	8,353243	7,19825	7,505323	7,288682	7,924942	7,4258133	7,572982333	0,147169	1,107394299	---
17497626	5,046167	5,038493	5,168808	5,09395	5,245069	5,355999	5,0844893	5,231672667	0,14718333	1,107405301	Sprn
17504964	6,247413	6,626848	6,565599	6,571576	6,660045	6,649805	6,4799533	6,627142	0,14718867	1,107409395	Edc4
17501140	3,543689	3,415288	3,430032	3,529767	3,897586	3,40327	3,463003	3,610207667	0,14720467	1,107421677	---
17208093	7,22061	6,85765	6,924789	7,178697	7,204872	7,061202	7,0010163	7,148257	0,14724067	1,107449311	---
17253707	5,115634	4,993197	4,962824	5,296902	5,174638	5,04189	5,023885	5,171143333	0,14725833	1,107462872	Nos2
17540420	4,960496	5,028791	4,814795	5,090759	5,210297	4,944893	4,934694	5,081983	0,147289	1,107486413	Fundc1
17303275	6,295149	6,364938	6,220695	6,782743	6,249451	6,290473	6,293594	6,440889	0,147295	1,107491019	Gm3696
17511639	13,07559	13,00286	13,02793	13,09098	13,21631	13,24105	13,03546	13,18278	0,14732	1,107510211	Gm12070 // Gm12070
17400650	4,076907	4,280523	4,186211	4,436707	4,39412	4,154821	4,1812137	4,328549333	0,14733567	1,107522238	Itga10
17493266	5,134564	5,124105	5,428106	5,454732	5,253494	5,420559	5,228925	5,376261667	0,14733667	1,107523005	2310010J17Rik
17402099	5,289659	4,812365	5,293133	5,289659	5,498097	5,049425	5,131719	5,279060333	0,14734133	1,107526588	4833424O15Rik
17254679	3,970242	3,558582	3,527588	3,793208	3,939546	3,765732	3,6854707	3,832828667	0,147358	1,107539383	Mir301
17520886	9,892762	9,77236	9,729706	9,889626	9,973612	9,973685	9,798276	9,945641	0,147365	1,107544756	Ryk
17215565	5,033404	4,990864	5,071467	4,89885	5,466644	5,172365	5,0319117	5,179286333	0,14737467	1,107552177	Sh3bp4
17338882	6,965745	6,988679	7,058328	7,078916	7,276258	7,099854	7,0042507	7,151676	0,14742533	1,107591075	Dus3l
17205469	6,170832	5,499284	5,965239	6,603841	5,92309	5,550716	5,8784517	6,025882333	0,14743067	1,107595169	---
17245445	5,727665	5,646903	6,033149	5,985826	5,874154	5,990054	5,8025723	5,950011333	0,147439	1,107601567	---
17233641	9,921392	10,20284	10,09049	10,15408	10,35052	10,15246	10,071574	10,21902	0,147446	1,107606941	---
17444389	5,915381	6,012861	5,817558	5,971426	6,17543	6,041309	5,9152667	6,062721667	0,147455	1,107613851	D130017N08Rik
17239433	4,330875	4,165556	4,384137	4,440308	4,537863	4,344765	4,2935227	4,440978667	0,147456	1,107614619	---
17226043	6,726551	6,771835	6,905581	6,928391	6,980536	6,937562	6,8013223	6,948829667	0,14750733	1,10765403	Bcl2
17327660	9,92227	9,890546	9,767752	9,991409	10,0402	9,991484	9,8601893	10,00769767	0,14750833	1,107654798	Trap1
17246422	3,799036	3,152661	3,661891	4,020362	3,333157	3,70284	3,5378627	3,685453	0,14759033	1,107717756	Olfr801
17263594	7,767554	7,752039	7,692272	7,925786	7,932695	7,796225	7,7372883	7,884902	0,14761367	1,107735672	Atpaf2

17430211	6,425071	6,338506	6,38942	6,556663	6,534652	6,504536	6,3843323	6,531950333	0,147618	1,107738999	Gja4
17296436	6,686681	7,038608	6,890576	6,981957	7,08112	6,99573	6,871955	7,019602333	0,14764733	1,107761523	Parp8
17479628	5,089948	4,936807	5,244112	5,439302	5,125491	5,149085	5,090289	5,237959333	0,14767033	1,107779183	Alpk3
17501180	3,336717	3,2834	3,370282	3,384277	3,731783	3,317361	3,330133	3,477807	0,147674	1,107781999	Spata4
17278787	3,940312	3,717941	3,954208	4,227288	3,977676	3,850519	3,8708203	4,018494333	0,147674	1,107781999	AF357341
17494317	3,361586	3,272716	3,394413	3,445011	3,621559	3,405207	3,342905	3,490592333	0,14768733	1,107792237	---
17441518	5,707103	5,117982	5,920237	5,70569	5,968725	5,514043	5,581774	5,729486	0,147712	1,107811177	---
17276038	3,386367	3,21645	3,329006	3,517027	3,44413	3,413837	3,3106077	3,458331333	0,14772367	1,107820136	---
17209489	2,862483	2,996264	3,175421	3,442315	3,034033	3,001026	3,0113893	3,159124667	0,14773533	1,107829095	---
17446760	10,24719	9,908399	10,165	10,28639	10,26644	10,211	10,106863	10,25461	0,147747	1,107838053	Ost4
17474732	4,728061	4,94857	4,722055	4,821939	5,037345	4,982723	4,799562	4,947335667	0,14777367	1,107858531	Nlrp4e // Nlrp4e
17474791	4,728061	4,94857	4,722055	4,821939	5,037345	4,982723	4,799562	4,947335667	0,14777367	1,107858531	Nlrp4e // Nlrp4e
17474803	4,728061	4,94857	4,722055	4,821939	5,037345	4,982723	4,799562	4,947335667	0,14777367	1,107858531	Nlrp4e // Nlrp4e
17413474	6,80214	6,704188	6,585721	6,876063	6,824453	6,834866	6,6973497	6,845127333	0,14777767	1,107861602	Reck
17518634	3,65086	3,69049	3,560697	3,829704	3,738038	3,777668	3,6340157	3,781803333	0,14778767	1,107869282	---
17501669	5,312635	5,383625	5,348387	5,583342	5,502295	5,402402	5,3482157	5,496013	0,14779733	1,107876705	---
17505744	6,345733	6,121467	6,416206	6,615625	6,307243	6,404287	6,2944687	6,442385	0,14791633	1,107968091	Znrf1
17207607	8,269003	7,385717	7,586963	8,130066	7,66222	7,893172	7,7472277	7,895152667	0,147925	1,107974747	---
17239113	8,10011	8,084381	7,987907	8,204839	8,231055	8,180347	8,057466	8,205413667	0,14794767	1,107992155	Sash1
17418258	5,700046	4,896091	4,950794	5,705132	5,319507	4,966256	5,1823103	5,330298333	0,147988	1,108023132	---
17347353	8,884828	9,248085	8,594093	9,113895	8,905293	9,151848	8,909002	9,057012	0,14801	1,108040028	Gm6548
17208481	5,171013	4,701856	5,915701	5,421032	5,307669	5,503941	5,2628567	5,410880667	0,148024	1,108050781	---
17256910	5,853518	5,694965	5,719197	5,990359	5,83734	5,884116	5,7558933	5,903938333	0,148045	1,10806691	BC030867
17466574	5,686241	5,988336	5,113757	5,623056	5,908597	5,700885	5,5961113	5,744179333	0,148068	1,108084575	Gm16630
17209127	3,513111	3,452963	3,27396	3,184242	4,076384	3,423627	3,4133447	3,561417667	0,148073	1,108088415	---
17495790	6,475578	6,604365	6,811342	6,802381	6,874308	6,65885	6,6304283	6,778513	0,14808467	1,108097376	Crym
17389301	3,3283	3,709289	3,762805	3,542944	4,060998	3,640786	3,6001313	3,748242667	0,14811133	1,108117858	Olfr1310
17539405	3,608448	3,524311	3,702971	3,750247	3,694432	3,835531	3,61191	3,76007	0,14816	1,108155239	---
17204473	4,647353	4,264278	3,932792	4,335496	4,552124	4,401355	4,2814743	4,429658333	0,148184	1,108173674	---
17215799	4,877704	4,221708	4,738822	4,56753	4,829169	4,886101	4,6127447	4,760933333	0,14818867	1,108177259	Twist2
17399314	4,801145	4,846494	4,874788	4,978366	5,032191	4,956548	4,840809	4,989035	0,148226	1,108205936	Fam189b
17394461	8,59399	8,853016	8,860932	8,941847	8,966835	8,84394	8,7693127	8,917540667	0,148228	1,108207472	Slc13a3
17398742	5,288026	4,865243	5,320697	5,360091	5,25317	5,305396	5,1579887	5,306219	0,14823033	1,108209265	Fcrl1
17408724	5,269777	5,073827	5,057093	5,274416	5,419582	5,151552	5,1335657	5,28185	0,14828433	1,108250746	---
17260867	5,087823	5,356994	4,461304	5,138319	5,125815	5,086872	4,968707	5,117002	0,148295	1,10825894	---
17368802	7,820199	7,895393	7,914817	8,007746	8,0875	7,980071	7,876803	8,025105667	0,14830267	1,108264829	Setx
17243229	5,238713	5,147977	5,460361	5,440104	5,562139	5,289754	5,2823503	5,430665667	0,14831533	1,10827456	Atcay
17461045	4,630095	4,577343	4,529047	4,702666	4,72579	4,753088	4,5788283	4,727181333	0,148353	1,108303495	---
17403363	5,798341	5,80181	5,941985	5,998749	6,114543	5,873904	5,8473787	5,995732	0,14835333	1,108303752	Col24a1
17274099	7,742237	7,866211	7,62471	7,703372	7,918183	8,056823	7,744386	7,892792667	0,14840667	1,108344724	Fam49a
17293444	3,325154	3,126618	3,428216	3,453201	3,318124	3,553939	3,2933293	3,441754667	0,14842533	1,108359065	Ctsm
17204135	7,223827	7,056291	6,956841	7,237815	7,346732	7,097795	7,0789863	7,227447333	0,14846	1,108386466	---
17454166	6,19824	6,01354	5,992829	5,855754	6,555264	6,239103	6,068203	6,216707	0,148504	1,108419502	Pilra
17370234	6,58788	6,528368	6,570307	6,847931	6,609384	6,674815	6,562185	6,71071	0,148525	1,108435637	Dab2ip
17278358	6,758633	6,431427	6,678092	6,74142	6,888146	6,684231	6,6227173	6,771265667	0,14854833	1,108453564	Tcl1b1
17399812	6,979337	7,24892	7,189743	7,398781	7,501372	6,963517	7,1393333	7,28789	0,14855667	1,108459967	S100a6
17382737	8,930299	9,289635	9,090589	9,07502	9,508076	9,173162	9,1035077	9,252086	0,14857833	1,108476614	Fcna
17323360	6,575885	6,641057	6,804094	6,859327	6,846101	6,761372	6,6736787	6,822266667	0,148588	1,108484041	Ppm1f
17354587	3,997506	3,84764	3,971092	4,199187	4,004822	4,058008	3,938746	4,087339	0,148593	1,108487883	---
17549896	6,892736	6,528073	6,899797	6,975574	7,009953	6,780955	6,7735353	6,922160667	0,14862533	1,108512726	---
17418256	10,94431	10,71667	10,62626	10,95316	10,95715	10,82287	10,762413	10,91106	0,14864667	1,108529118	---
17258089	4,992019	5,160711	5,09825	5,247694	5,32275	5,126481	5,08366	5,232308333	0,14864833	1,108530399	Gpr142
17463630	3,127191	2,896943	3,446916	3,350091	3,309126	3,257796	3,1570167	3,305671	0,14865433	1,108535009	Tas2r102
17343035	9,026292	8,940151	9,075171	9,116154	9,230715	9,140759	9,0138713	9,162542667	0,14867133	1,108548072	Mtch1
17431101	7,83211	7,656437	7,824762	7,999515	7,914756	7,845102	7,771103	7,919791	0,148688	1,108560878	Rps6ka1
17244341	7,58697	7,386649	7,249002	7,720039	7,503187	7,445477	7,4075403	7,556234333	0,148694	1,108565489	Elk3
17386664	5,450308	5,448428	5,65504	5,541518	5,780428	5,677923	5,5179253	5,666623	0,14869767	1,108568306	Evx2
17278696	6,98993	6,380047	6,482487	6,916026	6,515123	6,867449	6,617488	6,766199333	0,14871133	1,108578808	Mir665
17324112	5,268543	4,788055	5,084333	5,44539	5,27905	4,862626	5,046977	5,195688667	0,14871167	1,108579064	Fam131a
17228286	4,42278	4,22318	4,117866	4,567952	4,480632	4,161455	4,2546087	4,403346333	0,14873767	1,108599042	4930452N14Rik
17546101	6,70143	6,38282	6,175021	6,400275	6,754614	6,550709	6,419757	6,568532667	0,14877567	1,108628243	Tlr8
17427318	4,795209	4,807625	4,624	4,879271	4,77975	5,014403	4,742278	4,891141333	0,14886333	1,108695612	4930551L18Rik
17420646	8,26026	8,340361	8,262318	8,468963	8,425538	8,415111	8,2876463	8,436537333	0,148891	1,108716874	Ubr4
17238834	7,361232	7,56841	7,510688	7,7264	7,816056	7,344718	7,48011	7,629058	0,148948	1,108760679	Syne1
17437224	4,948393	5,060257	5,381363	5,260915	5,187391	5,388623	5,1300043	5,278976333	0,148972	1,108779124	---
17397231	4,498535	4,490639	4,499205	4,709015	4,622181	4,604116	4,4961263	4,645104	0,14897767	1,108783479	Slc25a31
17236018	8,707324	8,791391	8,614943	8,757219	8,994293	8,809254	8,7045527	8,853588667	0,149036	1,108828312	Polr3b
17314636	5,91574	5,678806	6,229092	6,144216	6,126972	5,99966	5,9412127	6,090282667	0,14907	1,108854444	Cacnb3
17548618	3,803918	3,776186	3,738122	4,004786	3,899953	3,86072	3,772742	3,921819667	0,14907767	1,108860337	3110009M11Rik
17377009	3,934822	3,834357	3,999211	3,893537	3,999195	4,323088	3,9227967	4,07194	0,14914333	1,10891081	Gm11686
17220758	8,857897	8,755201	8,751354	8,850117	9,021241	8,940573	8,7881507	8,937310333	0,14915967	1,108923364	---
17274540	9,598202	9,755536	9,672654	9,81159	9,767932	9,894354	9,675464	9,824625333	0,14916133	1,108924645	Rrm2
17462805	3,683887	3,159413	3,269077	3,538002	3,462293	3,55961	3,3707923	3,519968333	0,149176	1,108935919	Vmn2r19
17490187	6,242784	6,473013	6,59085	6,429232	6,725228	6,599764	6,435549	6,584741333	0,14919233	1,108948474	1700028J19Rik
17334299	7,747701	7,726878	7,656757	7,79261	8,059552	7,726764	7,7104453	7,859642	0,14919667	1,108951804	2610019E17Rik
17371296	4,143884	4,177134	3,997512	4,262387	4,350381	4,153612	4,1061767	4,25546	0,14928333	1,109018424	Xirp2
17225993	5,857653	5,660369	5,850379	5,747958	6,26781	5,800537	5,789467	5,938768333	0,14930133	1,109032261	Rnf152
17436607	6,450853	6,406582	6,548635	6,596604	6,657453	6,599954	6,46869	6,618003667	0,14931367	1,109041742	Sh3bp2
17400428	4,790209	4,874352	4,727442	5,164014	4,84409	4,831862	4,7973343	4,946655333	0,149321	1,109047379	C920021L13Rik
17302750	5,154958	5,298352	5,637443	5,709408	5,368779	5,460729	5,3635843	5,512972	0,14938767	1,10909863	1700006F04Rik
17314608	4,692351	4,605379	4,832508	4,82683	5,103535	4,648236	4,7100793	4,859533667	0,14945433	1,109149882	1700031M16Rik
17279210	7,98619	8,193252	8,127184	8,264256	8,222156	8,268581	8,1022087	8,251664333	0,14945567	1,109150907	Klc1
17314755	5,23791	5,06828	5,329959	5,360651	5,310719	5,413255	5,2120497	5,361541667	0,149492	1,109178841	Kcnh3
17426233	5,489027	5,548572	5,467452	5,542392	5,630488	5,780692	5,5016837	5,651190667	0,149507	1,109190373	---
17354099	7,585206	7,351014	7,78145	7,7853	7,560984	7,819924	7,5725567	7,722069333	0,14951267	1,10919473	---
17396251	7,260207	7,064973	7,039914	7,252391	7,375524	7,185769	7,121698	7,271228	0,14953	1,109208056	4632415L05Rik // 4632415L05Rik
17358515	3,191765	3,297807	3,250839	3,342083	3,546884	3,300266	3,2468037	3,396411	0,14960733	1,109267515	Mir101b
17525791	3,300029	3,222119	3,298299	3,476446	3,33315	3,459707	3,2734823	3,423101	0,14961867	1,109276229	Olfr980
17208031	4,997192	4,070118	3,375261	4,03085	3,957458	4,903141	4,1475237	4,297149667	0,149626	1,109281868	---
17299715	4,841646	4,898922	4,956664	5,262981	4,833627	5,049575	4,8990773	5,048727667	0,14965033	1,109300578	Rpgrip1
17260881	13,22662	13,13838	13,15176	13,2087	13,37355	13,38358	13,172253	13,32194333	0,14969	1,109331078	Gapdh
17307897	4,487715	4,612087	4,427647	4,643282	4,753625	4,579648	4,5091497	4,658851667	0,149702	1,109340305	1700001G11Rik
17313050	8,171137	7,012457	7,041428	8,447754	7,092851	7,133556	7,4083407	7,558053667	0,149713	1,109348764	Apobec3
17456080	7,080376	6,953649	6,900229	7,111609	7,265756	7,006232	6,9780847	7,127865667	0,149781	1,109401053	---
17520736	4,138914	4,048306	3,904856	4,217293	4,295543	4,028715	4,030692	4,180517	0,149825	1,109434889	A4gnt
17505050	6,734829	6,611923	6,723446	7,02347	6,491697	7,004583	6,690066	6,839916667	0,14985067	1,109454626	1810019D21Rik
17418901	3,493501	3,513517	3,324739	3,513517	3,7253	3,542507	3,443919	3,593774667	0,14985567	1,109458472	---
17372347	4,722009	4,724248	4,567971	4,676707	5,004777	4,782314	4,6714093	4,821266	0,14985667	1,109459241	Gm9928
17200393	4,80187	4,195797	4,206935	4,960841	4,266833	4,426515	4,401534	4,551396333	0,14986233	1,109463598	---
17281451	6,631684	6,031497	6,14124	6,619844	5,842858	6,79133	6,2681403	6,418010667	0,14987033	1,109469751	---
17456468	3,668314	3,758323	3,562776	3,801692	3,852406	3,78493	3,6631377	3,813009333	0,14987167	1,109470776	LOC626904
17206931	6,889009	6,595272	6,710488	6,730384	7,272079	6,641938	6,7315897	6,881467	0,14987733	1,109475134	---
17423289	2,918238	3,113805	3,336869	3,288147	3,310427	3,220098	3,1229707	3,272890667	0,14992	1,109507946	---
17300998	6,776494	6,805675	7,052706	6,906251	7,061069	7,117327	6,8782917	7,028215667	0,149924	1,109511022	Shisa2
17541659	3,925647	3,774256	3,61002	3,919093	4,005728	3,834996	3,7699743	3,919939	0,14996467	1,109542298	1700080O16Rik
17210697	3,357045	3,641665	3,270892	3,425225	3,722734	3,571551	3,4232007	3,57317	0,14996933	1,109545887	---
17468273	13,17845	13,09428	13,1322	13,18613	13,3292	13,33959	13,134977	13,28497333	0,14999667	1,109566908	Gm12070 // Gm12070
17305347	7,4325	7,019987	6,492246	7,231494	6,967799	7,19544	6,9815777	7,131577667	0,15	1,109569472	BC061237
17377553	4,013527	3,778456	3,864929	4,011252	3,937297	4,15841	3,8856373	4,035653	0,15001567	1,109581521	Gm14149
17354244	4,823359	5,259627	5,120996	5,450839	5,132392	5,070832	5,067994	5,218021	0,150027	1,109590238	Ccdc112
17392947	4,301721	4,554868	4,471434	4,352815	4,68766	4,737639	4,4426743	4,592704667	0,15003033	1,109592802	Defb23
17369997	3,548456	3,391571	3,461033	3,856312	3,594267	3,400598	3,46702	3,617059	0,150039	1,109599467	---
17494319	3,707326	3,761328	3,71537	4,065488	3,726643	3,84203	3,728008	3,878053667	0,15004567	1,109604595	Olfr649
17517554	7,125037	7,249413	7,098831	7,141228	7,51004	7,272153	7,1577603	7,307807	0,15004667	1,109605364	Pstpip1
17399333	8,677009	8,82098	8,488934	8,773867	8,907411	8,755789	8,6623077	8,812355667	0,150048	1,109606389	Gba
17328040	6,44556	6,245928	6,849583	6,556164	6,896461	6,538671	6,5136903	6,663765333	0,150075	1,109627156	---
17403185	5,303472	5,500146	5,633874	5,638927	5,637349	5,611472	5,479164	5,629249333	0,15008533	1,109635103	Unc5c
17341022	5,689746	5,09212	5,724922	5,441405	5,805892	5,70984	5,5022627	5,652379	0,15011633	1,109658947	---
17479482	7,030776	6,550619	6,899149	6,988523	7,059629	6,882769	6,826848	6,976973667	0,15012567	1,109666126	5430400D12Rik
17511534	7,155385	7,182261	7,290889	7,210576	7,489445	7,37903	7,2095117	7,359683667	0,150172	1,109701764	Snx20
17204867	3,669974	3,534308	3,824367	3,992353	3,85798	3,628838	3,6762163	3,826390333	0,150174	1,109703303	---
17206435	2,86633	3,224033	3,709326	3,369814	3,391641	3,488778	3,266563	3,416744333	0,15018133	1,109708943	---
17393843	4,369156	3,977206	4,364542	4,481766	4,315296	4,364542	4,236968	4,387201333	0,15023333	1,109748942	Gm14204
17506443	6,907721	7,035311	6,896591	7,037895	7,193322	7,059295	6,946541	7,096837333	0,15029633	1,109797404	Acsf3
17406807	5,317725	5,28178	5,687173	5,888783	5,433533	5,415284	5,4288927	5,5792	0,15030733	1,109805866	Rab25
17261963	4,36917	4,022939	4,70534	4,451695	4,676075	4,420663	4,3658163	4,516144333	0,150328	1,109821764	Fabp6
17314074	8,052031	8,140312	8,196373	8,134243	8,376139	8,329365	8,129572	8,279915667	0,15034367	1,109833816	Tubgcp6 // Tubgcp6
17293059	6,505118	6,91653	6,665017	6,881782	6,955587	6,700335	6,695555	6,845901333	0,15034633	1,109835867	Klhl3
17201671	6,887032	6,384273	6,734416	6,724662	7,146974	6,585538	6,6685737	6,819058	0,15048433	1,109942033	---
17206513	7,486675	7,49555	7,392504	7,399541	7,470497	7,95623	7,458243	7,608756	0,150513	1,109964088	---
17226387	3,919759	4,166904	4,301447	4,329024	4,102438	4,408223	4,12937	4,279895	0,150525	1,10997332	Dpp10
17455386	8,09655	7,86808	7,923479	8,038177	8,164951	8,136672	7,962703	8,113266667	0,15056367	1,11000307	Slc46a3
17499637	6,587526	6,439822	5,77975	6,817368	6,22024	6,221231	6,2690327	6,419613	0,15058033	1,110015893	4930467E23Rik
17519936	5,375755	4,796051	4,94619	5,336088	5,052512	5,181148	5,039332	5,189916	0,150584	1,110018714	---

17474752	4,832509	4,836251	4,443495	4,698824	4,92525	4,939936	4,704085	4,85467	0,150585	1,110019484	Nlrp4e // Nlrp4e
17474767	4,832509	4,836251	4,443495	4,698824	4,92525	4,939936	4,704085	4,85467	0,150585	1,110019484	Nlrp4e // Nlrp4e
17453215	4,424946	4,731195	4,605658	4,574069	4,974294	4,665259	4,5872663	4,737874	0,15060767	1,110036924	A330070K13Rik // A330070K13Rik
17525702	3,277176	3,427387	3,533927	3,494044	3,732914	3,46338	3,41283	3,563446	0,150616	1,110043336	Olfr934
17383373	4,259905	3,874454	4,277099	4,069197	4,412429	4,381765	4,1371527	4,287797	0,15064433	1,110065136	1700007K13Rik
17285347	8,007854	8,046745	8,144753	8,330619	8,166595	8,154222	8,0664507	8,217145333	0,15069467	1,110103865	Arid4b
17467286	4,215253	4,306837	4,285486	4,420881	4,390076	4,448725	4,269192	4,419894	0,150702	1,110109508	---
17237028	4,450288	4,674908	4,118747	4,706386	4,320466	4,669207	4,4146477	4,565353	0,15070533	1,110112073	Rassf9
17270446	4,908478	4,639043	4,85137	5,032227	5,072708	4,746103	4,7996303	4,950346	0,15071567	1,110120024	4933400C05Rik
17257730	5,786249	5,733926	5,828093	6,003195	6,140003	5,657242	5,782756	5,93348	0,150724	1,110126437	---
17341044	6,230787	5,956815	6,187249	6,26849	6,363442	6,195156	6,1249503	6,275696	0,15074567	1,110143109	Tcte2
17256276	5,171144	5,45906	5,675288	5,629415	5,600795	5,527538	5,435164	5,585916	0,150752	1,110147982	Gm20097
17531227	5,630776	5,857962	5,678798	5,879034	5,982135	5,758632	5,722512	5,873267	0,150755	1,110150291	P4htm
17481638	4,503938	4,053496	4,173155	4,370412	4,307502	4,505001	4,2435297	4,394305	0,15077533	1,110165937	Olfr513
17503397	9,069389	8,992964	9,069779	9,184103	9,22093	9,179464	9,044044	9,194832333	0,15078833	1,110175941	Man2b1
17527166	5,350689	4,803544	5,517625	5,419372	5,412033	5,292966	5,2239527	5,374790333	0,15083767	1,110213904	Rab39
17539750	5,438892	4,417593	4,183834	4,901885	4,449352	5,141596	4,6801063	4,830944333	0,150838	1,110214161	Gm3701
17506694	5,155357	4,520609	5,339383	5,067118	5,174832	5,22593	5,0051163	5,15596	0,15084367	1,110218522	---
17203981	7,626591	7,417849	7,719002	7,712633	7,762073	7,74127	7,587814	7,738658667	0,15084467	1,110219291	---
17451737	5,604012	5,249743	5,698127	5,746176	5,505764	5,752603	5,517294	5,668181	0,150887	1,110251869	Sirt4
17544969	5,400784	5,357222	5,558186	5,581858	5,636769	5,550247	5,4387307	5,589624667	0,150894	1,110257256	Col4a6
17250215	6,043606	5,797378	5,810431	5,823007	6,144071	6,137099	5,883805	6,034725667	0,15092067	1,110277778	Wnt9a
17521371	6,487043	6,339021	6,404296	6,530724	6,515481	6,63694	6,41012	6,561048333	0,15092833	1,110283678	Tmem115
17340584	5,874949	6,086157	6,117058	6,402431	6,04559	6,083041	6,0260547	6,177020667	0,150966	1,110312667	Tmem181c-ps
17277788	6,5156	6,435261	5,889808	6,59104	6,369625	6,332938	6,280223	6,431201	0,150978	1,110321902	Flrt2
17376508	5,962295	5,790985	5,129713	6,043064	5,683156	5,609713	5,6276643	5,778644333	0,15098	1,110323441	Mir103-2
17538840	10,98111	11,30792	11,21383	11,5241	11,17535	11,25642	11,16762	11,31862333	0,15100333	1,110341399	---
17529276	5,41589	5,33761	5,35008	5,301463	5,532602	5,722549	5,36786	5,518871333	0,15101133	1,110347556	Hmgn3
17539898	5,368778	5,346488	5,285895	5,476792	5,538167	5,439273	5,3337203	5,484744	0,15102367	1,110357048	Ccdc120
17541834	5,228829	5,051058	5,220115	5,183098	5,35287	5,417116	5,1666673	5,317694667	0,15102733	1,11035987	Ddx26b // Ddx26b
17422659	5,628216	5,775977	5,835429	5,988683	6,01948	5,684621	5,7465407	5,897594667	0,151054	1,110380394	B930041F14Rik
17358611	4,25115	3,908014	4,203611	4,205644	4,467091	4,143237	4,120925	4,271990667	0,15106567	1,110389374	---
17476869	6,142819	5,826412	5,884938	6,281443	5,994501	6,031489	5,9513897	6,102477667	0,151088	1,110406563	---
17210545	6,764266	6,756972	6,395254	6,527466	7,047432	6,794862	6,6388307	6,78992	0,15108933	1,110407589	---
17265870	5,89177	5,762328	5,76229	5,78443	6,043617	6,041665	5,8054627	5,956570667	0,151108	1,110421957	Sgsm2
17487607	6,661689	6,480049	5,832613	6,416208	6,494186	6,517295	6,3247837	6,475896333	0,15111267	1,110425548	Vmn1r142
17345562	10,55645	10,51416	10,28286	10,5444	10,67261	10,5898	10,451157	10,60227	0,15111333	1,110426062	Gnmt
17495191	6,63496	6,59566	6,680692	6,853798	6,689393	6,821476	6,637104	6,788222333	0,15111833	1,11042991	Dkk3
17542117	2,961358	3,085604	3,138185	3,189237	3,241645	3,207666	3,0617157	3,212849333	0,15113367	1,110441712	Mir547
17494510	5,846908	5,49577	5,518806	6,024391	5,576218	5,714365	5,6204947	5,771658	0,15116333	1,110464547	Apbb1
17315718	5,582046	5,704679	5,793242	5,534479	5,903768	6,095213	5,6933223	5,844486667	0,15116433	1,110465316	Ptger4
17453874	5,37417	5,464879	5,341338	5,604086	5,485733	5,544065	5,3934623	5,544628	0,15116567	1,110466343	A630081J09Rik
17496376	8,722252	8,919827	8,966822	9,00574	9,105181	8,951531	8,8696337	9,020817333	0,15118367	1,110480198	Coro1a
17296203	5,160655	5,331296	5,528001	5,570735	5,408618	5,494254	5,339984	5,491202333	0,15121833	1,110506882	Il31ra
17402072	9,682953	9,87764	9,724459	9,928278	9,83146	9,978988	9,761684	9,912908667	0,15122467	1,110511757	Frrs1
17202373	7,015805	7,142963	6,890104	7,334018	7,382898	6,785641	7,0162907	7,167519	0,15122833	1,110514579	---
17527542	5,768238	5,619069	5,802643	5,942822	5,813667	5,887164	5,7299833	5,881217667	0,15123433	1,110519198	Cplx3
17363752	3,538919	3,553236	3,629513	3,754909	3,70627	3,714242	3,5738893	3,725140333	0,151251	1,110532027	Rps15a-ps2
17317804	6,547154	6,375155	6,23843	6,568959	6,446976	6,598726	6,386913	6,538220333	0,15130733	1,110575391	Trappc9 // Trappc9
17246428	3,302006	3,17726	3,642362	3,448814	3,768503	3,358257	3,373876	3,525191333	0,15131533	1,11058155	Olfr805
17395165	8,544573	8,696774	8,571413	8,514848	9,02604	8,725833	8,6042533	8,755573667	0,15132033	1,110585399	Atp5e
17545526	2,82377	3,091744	3,147691	3,309126	3,189836	3,018262	3,0210683	3,172408	0,15133967	1,110600281	Gm16445
17357557	11,32962	11,31098	11,28955	11,43334	11,67107	11,27977	11,31005	11,46139333	0,15134333	1,110603104	---
17498365	5,723061	5,855336	5,731846	5,893663	6,131224	5,739459	5,770081	5,921448667	0,15136767	1,110621836	Mrgpre
17203423	3,832113	4,819115	4,329078	4,801179	4,240487	4,392771	4,3267687	4,478145667	0,151377	1,110629021	---
17406990	8,144098	8,302702	8,00615	8,512872	8,219268	8,175021	8,1509833	8,302387	0,15140367	1,11064955	Efna1
17321046	6,771609	6,498317	6,758594	6,774152	6,937366	6,771286	6,6761733	6,827601333	0,151428	1,110668283	Hdac7
17531732	4,251595	4,077024	4,112524	4,114907	4,375704	4,404843	4,1470477	4,298484667	0,151437	1,110675212	---
17548675	6,370218	6,36061	6,540967	6,55665	6,701405	6,468094	6,4239317	6,575383	0,15145133	1,110686247	4930412F12Rik
17428859	10,33225	10,12684	10,44555	10,42349	10,46312	10,47246	10,301547	10,45302333	0,15147667	1,11070575	---
17317930	6,333711	6,058163	6,56748	6,562688	6,487897	6,363209	6,3197847	6,471264667	0,15148	1,110708317	Gm628
17208305	6,350298	6,128143	6,340851	6,638221	6,370773	6,264773	6,2730973	6,424589	0,15149167	1,110717299	---
17535405	3,782056	3,609703	3,913465	3,945477	3,886119	3,928255	3,768408	3,919950333	0,15154233	1,110756307	Cnga2
17327737	5,955007	5,718968	6,157201	5,94619	6,413471	5,926146	5,9437253	6,095269	0,15154367	1,110757334	Srl
17200443	6,090141	6,006218	6,139459	6,605671	6,53306	5,551729	6,078606	6,230153333	0,15154733	1,110760157	---
17535991	3,603029	3,357358	3,275954	3,623235	3,473546	3,594273	3,4121137	3,563684667	0,151571	1,110778378	Gm4937
17310513	3,233335	3,305515	3,083734	3,307147	3,415086	3,355091	3,207528	3,359108	0,15158	1,110785308	---
17477498	5,516693	5,311595	5,099114	5,497985	5,650412	5,233753	5,309134	5,460716667	0,15158267	1,110787361	Fam71e1
17334147	8,168696	8,21927	8,439423	8,90323	8,183331	8,195668	8,2757963	8,427409667	0,15161333	1,110810973	Mir5125 // Mir5125
17305605	7,257973	7,399902	7,428531	7,354147	7,692827	7,494392	7,3621353	7,513788667	0,15165333	1,110841771	Txndc16
17201367	5,876668	5,715887	6,141978	6,120642	6,228363	5,840662	5,911511	6,063222333	0,15171133	1,110886431	---
17237937	7,798595	7,910633	8,008759	8,099161	8,056458	8,017646	7,9059957	8,057755	0,15175933	1,110923392	B4galnt1
17327876	8,447235	8,424969	8,50626	8,475098	8,665817	8,692839	8,459488	8,611251333	0,15176333	1,110926472	Rogdi
17497076	7,681854	7,684844	7,359356	7,768596	7,712956	7,699879	7,5753513	7,727143667	0,15179233	1,110948803	Chst15
17479125	6,752867	6,588518	6,487135	6,658272	6,813541	6,812119	6,6095067	6,761310667	0,151804	1,110957787	Fam169b
17313552	3,958841	3,850692	3,815209	4,183048	3,977008	3,920225	3,874914	4,026760333	0,15184633	1,110990387	Wbp2nl
17238705	4,62449	4,653278	4,871988	4,992848	4,699996	4,912656	4,7165853	4,8685	0,15191467	1,11104301	Tespa1
17541281	3,854896	4,115292	4,070849	4,323291	4,040427	4,133081	4,013679	4,165599667	0,15192067	1,111047631	Odz1
17414270	3,250807	3,100685	3,233192	3,298609	3,552145	3,189692	3,1948947	3,346815333	0,15192067	1,111047631	---
17258093	7,286178	7,275888	7,382573	7,332323	7,748449	7,319693	7,3148797	7,466821667	0,151942	1,11106406	Gprc5c
17525321	4,110733	3,694097	3,634484	4,157836	4,034074	3,703231	3,8131047	3,965047	0,15194233	1,110064317	---
17491853	9,39279	9,411366	9,28391	9,423335	9,587409	9,533311	9,3626887	9,514685	0,15199633	1,111105905	Tjp1
17544668	3,744623	4,012215	4,048937	4,145544	4,010229	4,106002	3,9352583	4,087258333	0,152	1,111108729	1700008I05Rik
17500716	8,807001	8,805878	8,894653	9,116248	9,012104	8,835262	8,835844	8,987871333	0,15202733	1,11112978	Slc7a2
17537088	11,31334	11,2536	11,26187	11,40059	11,54797	11,33648	11,27627	11,42834667	0,15207667	1,111167776	Pgk1
17415815	10,09637	10,05113	10,05452	10,1833	10,22451	10,2505	10,06734	10,21943667	0,15209667	1,11118318	Pgm2
17517576	7,858805	7,883396	7,799265	8,121988	7,950433	7,925421	7,8471553	7,999280667	0,15212533	1,11120526	Hmg20a
17362970	4,254868	4,233395	4,26809	4,427534	4,577248	4,20797	4,2521177	4,404250667	0,152133	1,111211165	Gm19261
17403314	13,19046	13,09212	13,12832	13,19306	13,32703	13,34734	13,136967	13,28914333	0,15217667	1,111244799	Gm12070 // Gm12070
17319230	10,08152	10,07974	10,22138	10,37597	10,29421	10,16899	10,127547	10,27972333	0,15217667	1,111244799	Ddx17
17520765	4,376204	4,421198	4,625557	4,543887	4,681025	4,654865	4,4743197	4,626592333	0,15227267	1,111318746	---
17466532	9,273497	9,172388	9,10369	9,290277	9,401855	9,314277	9,1831917	9,335469667	0,152278	1,111322854	Pdia4
17287733	9,501325	9,661223	9,588931	9,720671	9,809882	9,677781	9,5838263	9,736111333	0,152285	1,111328246	Ddx46
17298775	4,733769	5,127717	5,058822	5,165545	5,352193	4,859456	4,973436	5,125731333	0,15229533	1,111336206	Anxa8
17298642	5,498412	5,501779	5,42307	5,661027	5,295637	5,923491	5,4744203	5,626718333	0,152298	1,111338261	Lrrc18
17510975	5,496316	5,245024	5,58533	5,97897	5,355465	5,449176	5,4422233	5,594537	0,15231367	1,111350329	---
17428545	9,222078	9,254984	9,332453	9,308941	9,504219	9,453345	9,2698383	9,422168333	0,15233	1,111362911	Uqcrh
17264282	4,254776	4,052172	4,103087	4,077725	4,550202	4,239116	4,1366783	4,289014333	0,152336	1,111367533	Shisa6
17545477	5,62669	4,92251	5,072834	5,21114	5,479323	5,388594	5,2073447	5,359685667	0,152341	1,111371385	Gm20264
17474761	5,95536	5,646072	5,364902	5,77676	5,730446	5,916222	5,6554447	5,807809333	0,15236467	1,111389617	Vmn1r132
17233095	4,255085	3,996195	4,207191	4,31895	4,56545	4,031173	4,1528237	4,305191	0,15236733	1,111391671	Popdc3
17430155	8,232158	8,134817	8,151175	8,30704	8,388178	8,28006	8,1727167	8,325092667	0,152376	1,111398347	Zmym4
17227515	9,353203	9,020561	8,964725	9,345743	9,277216	9,172745	9,1128297	9,265234667	0,152405	1,111420688	Nr5a2
17514580	4,121445	3,903194	4,315754	4,373823	4,204658	4,219153	4,1134643	4,265878	0,15241367	1,111427365	Mmp20
17483568	4,683948	4,894511	5,138862	4,987875	5,077173	5,109561	4,9057737	5,058203	0,15242933	1,111439434	Trim72
17465824	5,90098	6,474722	6,303901	6,548099	6,375623	6,213194	6,2265343	6,378972	0,15243767	1,111445854	Fam180a
17386621	9,639407	9,601046	9,653083	9,709565	9,783378	9,857939	9,6311787	9,783627333	0,15244867	1,111454328	Atp5g3
17514869	2,993998	2,927189	3,157038	3,057686	3,438168	3,03973	3,026075	3,178528	0,152453	1,111457667	---
17547809	6,68072	6,952682	6,930589	6,770384	7,107185	7,143796	6,8546637	7,00716667	0,152458	1,111461519	2410022M11Rik
17424933	4,659363	5,210768	5,191737	5,020532	5,150247	5,34869	5,0206227	5,173156333	0,15253367	1,111519814	2900093L17Rik
17337963	3,671686	3,385146	3,808526	3,933849	3,762655	3,626512	3,621786	3,774338667	0,15255267	1,111534453	BE949265
17533226	5,745701	5,787601	5,768649	5,863401	5,894349	6,001944	5,767317	5,919898	0,152581	1,111556283	1700054O13Rik
17392780	7,057538	7,251298	6,812618	6,985363	7,134758	7,459128	7,0404847	7,193083	0,15259833	1,111569638	Nanp
17396001	3,371387	3,562155	3,852133	3,819485	3,695123	3,72889	3,595225	3,747832667	0,15260767	1,111576829	---
17242531	5,159212	5,407469	5,486587	5,491411	5,384518	5,6352	5,3510893	5,503709667	0,15262033	1,111586588	---
17271861	6,285241	6,020566	6,013262	6,530498	6,140351	6,106081	6,1063563	6,258976667	0,15262033	1,111586588	C630004H02Rik
17538470	5,473597	5,187716	4,780123	5,460738	5,257374	5,181194	5,1471453	5,299768667	0,15262333	1,1115889	Ott
17289324	6,944425	6,986041	7,020535	7,062607	7,165959	7,180345	6,983667	7,136303667	0,15263667	1,111599173	Gcnt4
17469086	6,143523	5,407015	5,823404	5,871439	5,864055	6,096452	5,791314	5,943982	0,152668	1,111623316	---
17433860	8,14094	8,056834	8,048959	8,291886	8,291909	8,120952	8,0822443	8,234915667	0,15267133	1,111625884	Atad3a
17243021	7,01766	6,3019	6,600999	6,627832	7,083354	6,667482	6,6401863	6,792889333	0,152703	1,111650284	---
17305475	7,412649	7,122746	6,576533	7,385519	6,967832	7,216838	7,0373093	7,190063	0,15275367	1,111689326	---
17201733	6,970129	6,863132	7,129918	7,189257	7,158121	7,074072	6,9877263	7,140483333	0,152757	1,111691894	---
17201909	6,970129	6,863132	7,129918	7,189257	7,158121	7,074072	6,9877263	7,140483333	0,152757	1,111691894	---
17202093	6,033876	5,996014	5,980649	6,351597	6,111887	6,005339	6,003513	6,156274333	0,15276133	1,111695233	---
17207589	5,343278	6,153187	6,321795	6,438506	6,093574	5,744582	5,93942	6,092220667	0,15280067	1,111725543	---
17388573	9,025414	9,173037	8,927922	9,276504	9,132147	9,17618	9,0421243	9,194943667	0,15281933	1,111739927	Hsd17b12
17270621	7,68455	7,742704	7,880541	7,940165	7,97249	7,853604	7,769265	7,922086333	0,15282133	1,111741468	Kansl1
17444254	6,137401	5,812721	6,260461	6,244491	6,287372	6,137211	6,0701943	6,223024667	0,15283033	1,111748404	Slc29a4
17525237	4,924067	5,02236	5,205911	5,079138	5,531243	5,000484	5,0507793	5,203621667	0,15284233	1,111757651	---
17208059	4,029675	4,235301	3,621107	3,821812	4,070223	4,452586	3,9620277	4,114873667	0,152846	1,111760477	---
17200625	3,553775	3,270892	3,063143	3,123178	4,117527	3,105647	3,2959367	3,448784	0,15284733	1,111761504	---
17448324	7,033014	7,088849	6,859409	7,304599	6,990544	7,144716	6,9937573	7,146619667	0,15286233	1,111773063	1110003E01Rik
17525780	4,230358	3,6635	3,728553	3,876099	4,350101	3,854874	3,874137	4,027024667	0,15288767	1,111792586	Olfr968

17328153	8,213215	8,257607	7,95043	8,367377	8,312149	8,200413	8,1404173	8,293313	0,15289567	1,111798751	Zc3h7a
17407934	5,308358	5,348504	5,662387	5,628775	5,595224	5,553982	5,4397497	5,592660333	0,15291067	1,111810311	Gm129
17327985	6,76428	6,580864	6,427109	6,349546	6,941639	6,939956	6,590751	6,743713667	0,15296267	1,111850385	Abat // Abat
17494574	7,661519	7,377689	7,366513	7,695943	7,631942	7,53674	7,4685737	7,621541667	0,152968	1,111854496	Fxc1 // Fxc1
17343976	4,038873	4,172136	4,239624	4,334886	4,204095	4,370613	4,150211	4,303198	0,152987	1,111869139	C4a
17361959	6,631728	6,697865	6,838744	6,658933	7,141697	6,826692	6,722779	6,875774	0,152995	1,111875304	Zfpl1
17228624	6,741323	6,54036	6,576911	6,693792	6,684144	6,939689	6,6195313	6,772541667	0,15301033	1,111887121	Rasal2
17538800	9,083094	9,39308	8,942578	9,396651	9,439876	9,041262	9,139584	9,292596333	0,15301233	1,111888663	---
17538775	9,29754	9,787395	9,476115	9,678052	9,68391	9,658251	9,52035	9,673404333	0,15305433	1,111921033	---
17475676	5,254241	5,633289	5,852505	5,734558	6,0155	5,449142	5,5800117	5,733066667	0,153055	1,111921547	C030039L03Rik
17539189	3,045794	2,876932	3,241929	3,440697	3,263509	2,919616	3,054885	3,207940667	0,15305567	1,11192206	---
17410420	3,347887	3,212185	3,351504	3,83861	3,19469	3,337626	3,3038587	3,456975333	0,15311667	1,111969076	---
17489962	3,879663	3,804832	4,137058	4,022255	4,034643	4,224054	3,9405177	4,093650667	0,153133	1,111981665	---
17321078	5,366368	5,371645	5,788966	5,427192	5,918697	5,640557	5,508993	5,662148667	0,15315567	1,111999136	Vdr
17471561	5,426287	5,239305	5,034943	5,403666	5,521238	5,235099	5,2335117	5,386667667	0,153156	1,111999393	1700101I11Rik
17446750	4,367052	4,593389	4,050906	4,532994	4,698008	4,239842	4,3371157	4,490281333	0,15316567	1,112006843	---
17215932	5,431654	5,068685	5,325449	5,40984	5,376732	5,498775	5,2752627	5,428449	0,15318633	1,112022773	Sned1
17281637	9,21209	9,24737	9,159912	9,097847	9,398495	9,582693	9,2064573	9,359678333	0,153221	1,112049494	Map4k5
17242991	7,064396	7,261914	7,396992	7,312481	7,570022	7,300463	7,2411007	7,394322	0,15322133	1,112049751	Rexo1
17239003	3,041685	2,936559	2,86346	3,219708	3,063695	3,018006	2,9472347	3,100469667	0,153235	1,112060286	---
17426750	5,821543	5,912967	5,9414	6,425735	5,982011	5,727883	5,89197	6,045209667	0,15323967	1,112063883	---
17538141	4,201838	4,597744	4,319587	4,559736	4,42394	4,595224	4,3730563	4,5263	0,15324367	1,112066966	E230019M04Rik
17527173	4,775537	4,710415	5,137478	5,249631	4,851066	4,982476	4,8744767	5,027724333	0,15324767	1,11207005	Elmod1
17529569	9,873962	9,802709	9,540811	9,886426	9,847772	9,943156	9,7391607	9,892451333	0,15329067	1,112103196	Gm2382
17210833	5,965494	5,19603	5,426266	5,667805	5,734923	5,645024	5,5292633	5,682584	0,15332067	1,112126321	---
17258955	4,232539	4,310531	4,013614	4,325433	4,365838	4,325433	4,1855613	4,338901333	0,15334	1,112141225	Cbx4 // Cbx4
17270098	8,945508	9,064352	9,476115	9,570372	8,793133	9,582497	9,161917	9,315334	0,15334233	1,112143024	---
17323828	5,810623	6,08424	5,677307	5,974602	6,018002	6,039639	5,85739	6,010747667	0,15335767	1,112154844	B3gnt5
17497975	7,16622	6,893196	7,495526	7,350531	7,293688	7,37099	7,1849807	7,338403	0,15342233	1,112204696	Gm16982
17271938	6,197713	6,252205	6,217691	6,397864	6,313901	6,416114	6,2225363	6,375959667	0,15342333	1,112205467	Gga3
17309141	3,827248	3,8722	4,050994	4,425196	3,905473	3,880078	3,916814	4,070249	0,153435	1,112214461	Gm19422
17292499	3,233709	3,420704	3,349105	3,491248	3,416927	3,55566	3,334506	3,487945	0,153439	1,112217545	Gm8674
17200959	7,482287	7,9402	7,779173	7,859829	7,985721	7,816493	7,7338867	7,887347667	0,153461	1,112234505	---
17531681	4,857173	4,825267	5,044977	5,244338	4,99791	4,945594	4,909139	5,062614	0,153475	1,112245298	Gm590
17356279	7,026732	7,092114	7,166799	7,331744	7,480415	6,933959	7,095215	7,248706	0,153491	1,112257634	Rbm4b
17303892	6,200761	6,132183	5,88567	6,343381	6,192385	6,143384	6,0728713	6,226383333	0,153512	1,112273824	6230400D17Rik
17439280	5,277345	5,338683	5,229109	5,527951	5,30119	5,476536	5,2817123	5,435225667	0,15351333	1,112274852	AU018829
17455677	5,277345	5,338683	5,229109	5,527951	5,30119	5,476536	5,2817123	5,435225667	0,15351333	1,112274852	AU018829
17455686	5,277345	5,338683	5,229109	5,527951	5,30119	5,476536	5,2817123	5,435225667	0,15351333	1,112274852	AU018829
17455731	5,277345	5,338683	5,229109	5,527951	5,30119	5,476536	5,2817123	5,435225667	0,15351333	1,112274852	AU018829
17383978	3,589395	3,457421	3,707399	3,697262	3,784865	3,732697	3,5847383	3,738274667	0,15353633	1,112292584	6330409D20Rik
17274770	4,765627	4,63083	4,864793	4,714709	4,985961	5,021212	4,75375	4,907294	0,153544	1,112298495	---
17274350	7,30581	7,493438	7,445683	7,548687	7,522147	7,634752	7,414977	7,568528667	0,15355167	1,112304406	---
17267815	5,012109	4,420433	4,882823	4,898696	5,211947	4,665421	4,7717883	4,925354667	0,15356633	1,112315714	Wfikkn2
17470620	4,806998	4,722034	4,905347	4,797158	5,054139	5,043831	4,8114597	4,965042667	0,153583	1,112328564	Necap1 // Necap1
17204267	3,993017	4,752227	4,018009	4,614152	4,570991	4,038889	4,2544177	4,408010667	0,153593	1,112336274	---
17507857	7,345871	7,630977	7,305575	7,915802	7,26742	7,560042	7,4274743	7,581088	0,15361367	1,112352209	---
17300247	5,855197	6,115842	5,756797	6,195228	5,999639	5,993839	5,9092787	6,062902	0,15362333	1,112359662	Trav9d-3
17303034	6,407568	6,590557	6,13671	6,807248	6,3075	6,481006	6,3782783	6,531918	0,15363967	1,112372255	Gm10413 // Gm10413
17208709	5,624317	5,128932	5,435246	5,78276	5,622165	5,244514	5,396165	5,549813	0,153648	1,112378681	---
17431332	7,837849	8,032382	7,678871	8,072945	7,87033	8,066905	7,8497007	8,003393333	0,15369267	1,112413121	Man1c1
17451900	4,295877	4,750478	4,854629	4,805875	4,679068	4,877185	4,6336613	4,787376	0,15371467	1,112430085	---
17289118	6,455825	6,634136	6,602322	6,724803	6,852188	6,576472	6,5640943	6,717821	0,15372667	1,112439338	Mtx3
17358324	7,674258	7,357569	7,454641	7,734845	7,667649	7,545172	7,4954893	7,649222	0,15373267	1,112443964	Kank1
17410581	7,576733	7,734019	7,328407	7,593747	7,746835	7,759796	7,5463863	7,700126	0,15373967	1,112449362	Bank1
17252170	8,772593	8,770847	8,774253	8,813728	9,013982	8,951347	8,7725643	8,926352333	0,153788	1,112486632	Rnf167
17250775	5,456062	5,598166	5,705429	5,755215	5,725038	5,740772	5,5865523	5,740341667	0,15378933	1,11248766	Trim16
17438482	4,960655	4,721469	4,827124	4,955205	5,144101	4,871358	4,836416	4,990221333	0,15380533	1,112499998	---
17205787	4,585888	5,424389	4,622964	5,131561	4,873788	5,089313	4,877747	5,031554	0,153807	1,112501283	---
17316185	5,061868	5,467115	4,758658	5,245543	5,288785	5,214814	5,0958803	5,249714	0,15383367	1,112521847	---
17220182	5,827589	5,641604	5,873537	5,953018	5,949168	5,902119	5,78091	5,934768333	0,15385833	1,112540868	---
17300137	6,318035	6,153685	6,184453	6,466469	6,489531	6,161786	6,2187243	6,372595333	0,153871	1,112550636	---
17359955	7,211289	6,285836	7,110493	6,828942	7,373779	6,866518	6,869206	7,023079667	0,15387367	1,112552693	---
17372977	3,083425	2,992877	3,009363	3,209984	3,189692	3,14761	3,028555	3,182428667	0,15387367	1,112552693	Olfr1274-ps // Olfr1274-ps
17365476	6,968917	7,02208	6,98266	7,176039	7,041787	7,217468	6,991219	7,145098	0,153879	1,112556806	Sh3pxd2a
17459918	7,511389	7,198951	7,170436	7,245789	7,487181	7,609448	7,293592	7,447472667	0,15388067	1,112558091	Pcgf1
17208313	4,286922	4,076453	3,969025	4,56053	4,066943	4,166587	4,1108	4,264686667	0,15388667	1,112562718	---
17548827	6,371996	6,068276	6,220701	6,484955	6,501468	6,136242	6,2203243	6,374221667	0,15389733	1,112570944	---
17423966	4,724255	4,409675	5,086575	5,215884	4,799047	4,667317	4,7401683	4,894082667	0,15391433	1,112584054	---
17435443	4,58682	4,441402	4,67229	4,628789	4,641034	4,892622	4,5668373	4,720815	0,15397767	1,112632897	4933426D04Rik
17337152	10,5491	10,79585	10,37515	10,47198	10,75736	10,95275	10,573367	10,72736333	0,15399667	1,11264755	---
17275301	3,786815	3,64668	3,705339	4,052938	3,82302	3,724891	3,7129447	3,866949667	0,154005	1,112653977	---
17207697	3,142009	3,855033	3,306206	3,83731	3,124287	3,8037	3,434416	3,588432333	0,15401633	1,112662717	---
17393046	6,33436	6,225155	6,301246	6,54003	6,35054	6,432345	6,2869203	6,440971667	0,15405133	1,112689711	Asxl1
17346510	4,370089	4,347913	4,523814	4,814964	4,524614	4,364413	4,4139387	4,567997	0,15405833	1,11269511	Gm11110
17496475	7,63262	7,428368	7,393113	7,848193	7,589581	7,478576	7,4847003	7,638783333	0,154083	1,112714135	Tmem219
17542888	3,413437	3,356229	3,232226	3,460894	3,579065	3,424281	3,333964	3,48808	0,154116	1,112739587	4930468A15Rik
17217247	6,431056	6,371677	6,238437	6,616383	6,372396	6,514741	6,3470567	6,501173333	0,15411667	1,112740101	Pik3c2b
17225329	9,374595	9,330843	9,488802	9,603047	9,563696	9,489962	9,39808	9,552235	0,154155	1,112769668	Hjurp
17242959	5,103084	5,212803	5,674961	5,590643	5,583966	5,278705	5,3302827	5,484438	0,15415533	1,112769925	Atp8b3
17209529	2,880982	3,095272	3,47503	2,96274	3,412475	3,53856	3,150428	3,304591667	0,15416367	1,112776352	---
17548599	6,345934	6,361295	6,265911	6,144126	6,584029	6,707486	6,32438	6,478547	0,154167	1,112778923	Dedd2
17243631	3,339137	3,001259	3,083852	3,410285	3,182528	3,293964	3,141416	3,295592333	0,15417633	1,112786123	---
17210265	5,424026	5,267636	5,862391	5,852532	5,771847	5,39224	5,5180177	5,672206333	0,15418867	1,112795636	---
17210287	5,424026	5,267636	5,862391	5,852532	5,771847	5,39224	5,5180177	5,672206333	0,15418867	1,112795636	---
17338316	6,121594	5,867427	5,950595	6,230973	5,867523	6,303792	5,979872	6,134096	0,154224	1,11282289	Pgc
17470468	7,700916	7,630269	7,641369	7,692683	7,849085	7,89359	7,657518	7,811786	0,154268	1,11285683	Mical3
17438721	3,268528	3,536438	3,147648	3,72429	3,361422	3,329735	3,317538	3,471815667	0,15427767	1,112864286	Smr3a
17299788	3,871961	3,651065	4,029623	3,720791	4,616705	3,678094	3,850883	4,005196667	0,15431367	1,112892056	---
17536759	5,851754	5,71242	5,846022	6,023156	6,162859	5,687129	5,8033987	5,957714667	0,154316	1,112893856	Itgb1bp2
17383527	3,923295	3,694432	3,957404	3,809713	4,437913	3,790457	3,858377	4,012694333	0,15431733	1,112894885	---
17297750	9,23719	9,141998	9,150759	9,288784	9,266193	9,437982	9,176649	9,330986333	0,15433733	1,112910313	Ppif
17391480	9,24956	9,369645	9,368917	9,552071	9,499225	9,399858	9,329374	9,483718	0,154344	1,112915455	---
17548885	4,610855	4,745281	4,494464	4,547621	5,045616	4,720452	4,6168667	4,771229667	0,154363	1,112930112	---
17299764	4,815198	4,653474	4,911979	4,89642	5,032746	4,914585	4,7935503	4,947917	0,15436667	1,112932941	---
17220264	5,758109	5,717802	5,649618	5,904983	5,845898	5,837956	5,7085097	5,862945667	0,154436	1,112986428	---
17496678	6,562255	5,973572	6,434324	6,303576	6,707617	6,422307	6,3233837	6,477833333	0,15444967	1,112996971	E430018J23Rik
17327602	5,53121	5,521093	5,865107	5,957091	5,63198	5,791783	5,6391367	5,793618	0,15448133	1,113021401	1700037C18Rik
17311869	2,96941	2,671791	2,899376	3,020626	3,079647	2,903753	2,846859	3,001342	0,154483	1,113022687	---
17206107	3,842762	3,951495	3,741673	3,868535	4,675277	3,455583	3,84531	3,999798333	0,15448833	1,113026802	---
17348462	8,310712	8,711455	7,979311	8,375857	8,300071	8,789062	8,333826	8,48833	0,154504	1,113038889	---
17252798	3,155211	2,985111	3,897052	3,702816	3,362144	3,435956	3,3457913	3,500305333	0,154514	1,113046604	---
17274123	7,2938	7,364826	7,199807	7,380049	7,593863	7,348104	7,2861443	7,440672	0,15452767	1,113057148	Nbas
17476750	4,308971	3,815223	4,015161	4,580731	3,941144	4,081091	4,0464517	4,200988667	0,154537	1,113064348	---
17206229	6,282056	6,347938	6,067066	6,368269	6,108062	6,684406	6,2323533	6,386912333	0,154559	1,113081322	---
17300197	3,605775	3,76241	3,528831	3,721211	3,87407	3,765435	3,6323387	3,786905333	0,15456667	1,113087237	---
17508691	8,695285	8,80006	8,597123	8,870799	8,811088	8,874349	8,6974893	8,852078667	0,15458933	1,113104725	Rbpms
17210369	5,117173	5,393925	4,335917	5,062698	5,157652	5,09052	4,949005	5,103623333	0,15461833	1,1131271	---
17332893	7,071479	7,097098	6,812287	7,378078	6,959516	7,107201	6,9936213	7,148265	0,15464367	1,113146647	Tmem181a
17441351	4,515965	4,040625	4,611332	4,464823	4,745024	4,422035	4,3893073	4,54396067	0,15465333	1,113154105	2410137F16Rik
17207149	5,349539	4,881438	5,337186	5,854962	5,09221	5,085015	5,1893877	5,344062333	0,15467467	1,113170566	---
17410600	3,553356	3,852917	3,63457	3,835624	3,787454	3,881811	3,680281	3,834963	0,154682	1,113176224	1700030L20Rik
17240261	3,910508	3,968418	3,951334	4,167237	4,200819	3,926276	3,94342	4,098110667	0,15469067	1,113182911	---
17328093	7,645445	7,919671	7,858413	7,967764	7,889103	8,030742	7,807843	7,962536333	0,15469333	1,113184969	Dexi
17326750	3,459419	3,218333	3,290743	3,573335	3,364559	3,494692	3,3228317	3,477528667	0,154697	1,113187798	---
17282698	7,780434	7,988801	7,819278	7,98224	8,070886	7,999492	7,8628377	8,017539333	0,15470167	1,113191399	Nek9
17202517	5,071433	4,407944	4,346233	5,085855	5,136679	4,06747	4,6085367	4,763334667	0,154798	1,113265733	---
17338492	4,701394	4,954241	5,227315	5,095232	5,125311	5,126823	4,9609833	5,115788667	0,15480533	1,113271391	Kif6
17449127	3,412474	3,31532	3,53885	3,46305	3,741674	3,526489	3,4222147	3,577071	0,15485633	1,113310747	---
17387430	6,500158	6,358192	6,120834	6,517934	6,607965	6,317909	6,3263947	6,481269333	0,15487467	1,113324895	D030029J20Rik
17448814	4,965963	4,373719	4,893763	4,785807	4,981306	4,93101	4,7444817	4,899374333	0,15489267	1,113338785	---
17206773	6,555114	6,489509	6,402614	6,872006	6,424833	6,615107	6,4824123	6,637315333	0,154903	1,11334676	---
17262353	11,91409	11,97614	11,84073	12,15225	12,05771	11,98573	11,91032	12,06523	0,15491	1,113352162	---
17299105	6,482673	6,465245	5,679548	6,633968	6,216891	6,241404	6,2091553	6,364087667	0,15493233	1,113369397	LOC100505112
17207927	3,32021	2,993423	2,879339	3,018262	3,621372	3,018262	3,064324	3,219298667	0,15497467	1,113402067	---
17354258	5,422344	5,025553	5,19489	5,322797	5,317229	5,46769	5,2142623	5,369238667	0,15497633	1,113403353	Mospd4
17497718	11,10358	11,32327	10,48279	11,21053	11,02493	11,13926	10,96988	11,12490667	0,15502667	1,113442199	Ifitm3
17320279	6,735766	6,681549	6,823323	6,878873	6,892164	6,934763	6,7468793	6,901933333	0,155054	1,113463294	Hdac10
17391036	4,062499	3,836106	3,945437	4,317211	3,949923	4,042116	3,948014	4,103083333	0,15506933	1,113475129	Galk2
17413500	8,408292	8,260363	7,885052	8,22308	8,414486	8,381376	8,184569	8,339647333	0,15507833	1,113482075	Glipr2
17202397	4,859643	4,555449	5,085419	5,083767	4,895662	4,98634	4,8335037	4,988589667	0,155086	1,113487992	---
17548545	3,767573	3,813647	3,696854	4,03522	3,894485	3,813664	3,759358	3,914456333	0,15509833	1,113497511	Gm7443
17379719	8,181069	8,254786	7,927706	8,240267	8,259472	8,329155	8,121187	8,276298	0,155111	1,113507287	Ncoa3
17230754	8,149435	7,87173	8,041479	8,025274	8,223919	8,278837	8,0208813	8,17601	0,15512867	1,113520923	C130074G19Rik

17205225	3,019206	3,28726	3,209918	3,524121	3,460157	2,997523	3,172128	3,327267	0,155139	1,113528899	---
17209415	3,019206	3,28726	3,209918	3,524121	3,460157	2,997523	3,172128	3,327267	0,155139	1,113528899	---
17423629	5,015343	4,793671	4,714076	4,935872	5,070142	4,982511	4,84103	4,996175	0,155145	1,11353353	Sfrs18 // Sfrs18
17317706	3,895796	3,608158	3,645781	4,098453	3,988983	3,527738	3,7165783	3,871724667	0,15514633	1,113534559	Mir30b
17462368	4,63951	4,377171	4,457778	4,73829	4,38492	4,8167	4,4914863	4,646636667	0,15515033	1,113537646	1700072O05Rik // 1700072O05Rik
17397437	2,956477	3,212781	3,102549	3,493862	3,023503	3,219938	3,0906023	3,245767667	0,15516533	1,113549224	---
17296760	6,483436	6,411165	5,990612	6,606722	6,420843	6,323246	6,295071	6,450270333	0,15519933	1,113575467	Gm10413
17437122	4,415881	4,43179	4,478295	4,654026	4,434969	4,702659	4,4419887	4,597218	0,15522933	1,113598624	---
17202729	3,7847	4,558532	5,302665	4,218982	4,402139	5,490487	4,5486323	4,703869333	0,155237	1,113604542	---
17249034	11,9131	11,41108	11,43695	12,02683	11,4524	11,7477	11,587043	11,74231	0,15526667	1,113627441	---
17399749	5,508789	5,558139	5,698971	5,85992	5,449359	5,922423	5,588633	5,743900667	0,15526767	1,113628213	Npr1 // Npr1
17230223	3,86908	4,156618	4,130123	4,227963	4,079477	4,314239	4,0519403	4,207226333	0,155286	1,113642365	Mir350
17205237	4,575895	3,823743	3,842593	4,303644	3,884496	4,519967	4,0807437	4,236035667	0,155292	1,113646996	---
17209427	4,575895	3,823743	3,842593	4,303644	3,884496	4,519967	4,0807437	4,236035667	0,155292	1,113646996	---
17526117	4,740783	5,002218	5,259877	5,114977	5,232281	5,121503	5,0009593	5,156253667	0,15529433	1,113648798	C1qtnf5 // C1qtnf5
17512001	8,644537	8,753087	8,397678	8,595029	8,819054	8,847138	8,598434	8,753740333	0,15530633	1,113658061	Gtl3
17498876	5,635787	5,816923	5,490908	5,976632	5,668572	5,764363	5,6478727	5,803189	0,15531633	1,11366578	---
17283868	3,485209	3,48637	3,629209	3,758732	3,818884	3,48916	3,533596	3,688925333	0,15532933	1,113675815	---
17335493	10,17282	10,10891	10,0733	10,08309	10,40776	10,33017	10,118343	10,27367333	0,15533	1,11367633	BC004004
17286816	3,280195	3,281718	3,202897	3,410326	3,322927	3,49756	3,2549367	3,410271	0,15533433	1,113679675	---
17390249	7,158699	7,01325	6,944427	7,145435	7,21905	7,217906	7,038792	7,194130333	0,15533833	1,113682763	Lrrc57
17547853	3,539017	3,663707	3,763629	3,758673	3,883353	3,790415	3,655451	3,810813667	0,15536267	1,113701547	Gm19351
17392862	4,969723	4,990933	5,12128	5,134665	5,282083	5,131285	5,027312	5,182677667	0,15536567	1,113703863	BC052486
17405133	8,032053	8,015335	7,920248	8,000781	8,170753	8,262204	7,989212	8,144579333	0,15536733	1,113705149	Ndufc1
17332216	4,662162	4,564095	4,333497	4,719997	4,468056	4,837843	4,519918	4,675298667	0,15538067	1,113715442	1700048M11Rik
17342027	7,173439	7,217765	6,969487	7,223753	7,318869	7,284358	7,1202303	7,27566	0,15542967	1,113753269	Snora78
17548553	5,999852	5,788439	5,936515	6,107523	6,085113	5,99869	5,9082687	6,063775333	0,15550667	1,113812715	Dcp1b // Dcp1b
17532635	6,633797	6,508142	6,438416	6,975761	6,567781	6,503386	6,526785	6,682309333	0,15552433	1,113826354	---
17419033	4,340594	3,270892	3,621439	4,346232	3,743686	3,609703	3,7443083	3,899873667	0,15556533	1,113858008	---
17360858	4,454834	4,585946	4,475776	4,687431	4,715624	4,580241	4,5055187	4,661098667	0,15558	1,113869332	Gm19956
17285267	8,55575	8,669441	8,623188	8,722107	8,89748	8,695534	8,6161263	8,771707	0,15558067	1,113869847	Lyst
17541098	4,670943	4,165556	4,633152	4,560789	4,551028	4,824598	4,4898837	4,645471667	0,155588	1,113875509	---
17500620	5,51214	5,619088	5,56958	5,583562	6,199932	5,384087	5,566936	5,722527	0,155591	1,113877825	AI429214
17206749	7,14379	6,971881	7,213318	7,351829	7,191427	7,252653	7,109663	7,265303	0,15564	1,113915657	---
17208669	4,233711	4,311219	4,72232	4,221686	4,717	4,79556	4,4224167	4,578082	0,15566533	1,113935218	---
17488752	5,611973	5,775898	6,18942	5,86837	5,996531	6,179533	5,859097	6,014811333	0,15571433	1,113973052	Catsperg1
17201839	7,144157	6,249382	6,262209	6,494173	6,657722	6,97101	6,551916	6,707635	0,155719	1,113976656	---
17205173	5,240379	5,055815	5,047743	5,560283	5,017095	5,233747	5,1146457	5,270375	0,15572933	1,113984635	---
17209363	5,240379	5,055815	5,047743	5,560283	5,017095	5,233747	5,1146457	5,270375	0,15572933	1,113984635	---
17268884	6,406523	6,267219	5,898227	6,503241	6,203973	6,331968	6,1906563	6,346394	0,15573767	1,113991069	Nr1d1
17491606	6,445901	6,331021	6,117249	6,321531	6,536228	6,503654	6,298057	6,453804333	0,15574733	1,113998533	---
17486209	6,68786	6,170115	5,600178	6,227911	6,483409	6,214098	6,1527177	6,308472667	0,155755	1,114004453	Vmn2r33
17431834	4,825525	4,590829	4,985416	4,782418	5,453902	4,63274	4,80059	4,956353333	0,15576333	1,114010888	---
17441105	10,46153	10,3511	9,958808	10,27774	10,42673	10,53428	10,257146	10,41291667	0,15577067	1,114016551	Coq5
17410805	5,110005	5,212962	5,390288	5,216005	5,408222	5,556372	5,2377517	5,393533	0,15578133	1,114024787	Gm6260
17361081	10,07594	10,22492	10,05764	10,47216	10,02783	10,32587	10,1195	10,27528667	0,15578667	1,114028906	Gstp1 // Gstp1
17321243	5,263428	4,48251	5,265884	5,150977	5,284123	5,044119	5,0039407	5,159739667	0,155799	1,114038429	Gm19664
17363370	3,458467	3,300333	3,081807	3,342626	3,548064	3,417353	3,2802023	3,436014333	0,155812	1,114048468	---
17264946	4,797674	4,472637	4,728902	4,594388	5,047103	4,825164	4,6664043	4,822218333	0,155814	1,114050012	Chrnb1
17202059	5,123867	4,366111	3,887451	4,810641	4,37156	4,66273	4,459143	4,614977	0,155834	1,114065456	---
17208409	4,776273	4,480865	4,179482	4,890279	5,134252	3,879593	4,4788733	4,634708	0,15583467	1,114065971	---
17322827	8,153625	7,440004	8,139862	8,364223	7,781524	8,055296	7,9111637	8,067014333	0,15585067	1,114078327	---
17550052	8,153625	7,440004	8,139862	8,364223	7,781524	8,055296	7,9111637	8,067014333	0,15585067	1,114078327	---
17276591	7,73074	7,717104	7,764926	7,904052	7,894297	7,882089	7,73759	7,893479333	0,15588933	1,114108186	Plekhg3
17389460	3,907207	3,9331	4,022563	4,039721	4,189811	4,101021	3,95429	4,110184333	0,15589433	1,114112047	4930533B01Rik
17202543	8,100194	8,206067	7,881492	8,348204	8,247438	8,059855	8,0625843	8,218499	0,15591467	1,11412775	---
17346715	4,502224	4,424033	4,312013	4,763113	4,460151	4,482762	4,4127567	4,568675333	0,15591867	1,114130839	Tmem232
17455028	5,048926	5,025883	4,895153	5,078514	5,280701	5,078514	4,9899873	5,145909667	0,15592233	1,11413367	Kpna7
17209753	4,863245	5,123151	5,872706	5,101422	5,040699	6,184879	5,2863673	5,442333333	0,155966	1,114167393	---
17264835	9,163176	9,207846	8,807775	9,082301	9,275558	9,28885	9,059599	9,215569667	0,15597067	1,114170997	Cd68
17495767	4,36187	4,034439	4,221733	4,324017	4,429163	4,332809	4,206014	4,361996333	0,15598233	1,114180007	Zp2
17523985	5,422063	5,197127	5,353119	5,519995	5,487094	5,433195	5,324103	5,480094667	0,15599167	1,114187215	4930568E12Rik // 4930568E12Rik
17548959	6,226851	6,037854	6,10603	6,071779	6,424511	6,342441	6,1235783	6,279577	0,15599867	1,114192621	Gm19863
17510145	6,527017	6,578154	6,561798	6,794754	6,654895	6,685351	6,5556563	6,711666667	0,15601033	1,114201631	Pik3r2
17447000	7,576621	7,628775	7,292554	7,47805	7,640753	7,847191	7,4993167	7,655331333	0,15601467	1,114204978	Supt7l
17512476	6,575134	6,502999	6,524978	6,646517	6,545936	6,878881	6,5343703	6,690444667	0,15607433	1,11425106	Gm5914
17378463	3,473091	3,772158	3,774372	3,749267	3,838334	3,900257	3,673207	3,829286	0,156079	1,114254664	Gdf5 // Gdf5
17201251	3,076864	3,381325	3,287653	3,154916	4,03724	3,021932	3,248614	3,404696	0,156082	1,114256981	---
17449095	3,751851	3,429268	3,388315	3,74567	3,556802	3,735336	3,5231447	3,679269333	0,15612467	1,114289935	---
17203325	5,025139	5,68552	5,536742	6,001325	5,337295	5,377162	5,4158003	5,571927333	0,156127	1,114291737	---
17205869	3,60327	3,572165	4,291973	4,17502	3,970264	3,790685	3,8224693	3,978656333	0,156187	1,11433808	---
17305921	3,354068	3,816841	3,454945	3,856832	3,836457	3,401147	3,5419513	3,698145333	0,156194	1,114343487	Olfr722
17317204	9,645552	9,753588	9,835569	9,975115	10,01923	9,70907	9,744903	9,901138333	0,15623533	1,114375414	---
17203849	4,153059	3,843364	4,70997	4,04681	3,855036	5,273276	4,2354643	4,391707333	0,156243	1,114381336	---
17216478	3,889425	3,770904	3,79023	3,97951	3,914126	4,025669	3,816853	3,973101667	0,15624867	1,114385713	Serpinb8
17263220	6,249668	6,039302	6,789472	6,381539	6,666846	6,498856	6,3594807	6,515747	0,15626633	1,114399359	2310058D17Rik
17543562	4,154326	4,043692	4,457265	4,305356	4,474552	4,344202	4,2184277	4,374703333	0,15627567	1,114406569	Gm614
17211533	5,355367	5,469893	5,244205	5,622007	5,500129	5,416193	5,3564883	5,512776333	0,156288	1,114416095	Lgsn
17344538	6,098491	6,137948	6,135886	6,218306	6,407289	6,21562	6,1241083	6,280405	0,15629667	1,11442279	Prr3 // Prr3
17546512	9,865757	9,823744	9,855157	9,940981	9,760143	10,31253	9,8482193	10,00455133	0,156332	1,114450084	Gapdh
17238898	6,482584	6,963094	6,692517	6,988384	6,991022	6,627799	6,7127317	6,869068333	0,15633667	1,114453689	Syne1
17440164	7,275331	7,37221	7,390358	7,514083	7,417404	7,575436	7,3459663	7,502307667	0,15634133	1,114457294	Ccdc18
17202321	4,69711	3,283478	3,850157	3,653167	4,742751	3,903979	3,9435817	4,099965667	0,156384	1,114490254	---
17206817	2,684394	3,22416	2,930501	2,962976	3,215214	3,13009	2,9463517	3,10276	0,15640833	1,114509051	---
17207373	2,951334	3,753807	2,910368	3,165694	3,675749	3,243298	3,2051697	3,361580333	0,15641067	1,114510854	---
17421196	5,361713	5,210867	5,229512	5,352136	5,48924	5,429995	5,267364	5,423790333	0,15642633	1,114522957	Gm13040
17238394	8,732211	8,764347	8,66533	8,930124	8,906048	8,795074	8,7206293	8,877082	0,15645267	1,1145433	Pan2
17405506	5,343197	5,202005	5,631296	5,490176	5,67809	5,477639	5,392166	5,548635	0,156469	1,114555918	Rap2b
17478743	3,120383	3,156606	3,146541	3,4009	3,359295	3,132743	3,1411767	3,297646	0,15646933	1,114556176	---
17432173	6,155623	6,149493	6,461484	6,294906	6,478551	6,462557	6,2555333	6,412004667	0,15647133	1,114557721	Clcnkb
17411163	5,330244	5,502244	5,413674	5,350683	5,680825	5,684201	5,4153873	5,571903	0,15651567	1,114591971	Ptgfr
17213572	5,783585	5,410155	5,649397	5,493463	6,079803	5,73946	5,614379	5,770908667	0,15652967	1,114602788	Ndufs1
17256317	3,89154	3,741391	3,794132	4,026642	3,845812	4,024208	3,809021	3,965554	0,156533	1,114605363	Gm11567
17360909	5,065166	5,533275	5,478395	5,498068	5,588005	5,460369	5,3589453	5,515480667	0,15653533	1,114607166	BC029127 // BC029127
17214126	5,491716	5,365463	5,818202	5,679808	5,828223	5,637077	5,5584603	5,715036	0,15657567	1,114638327	Rufy4
17396928	5,966672	5,711182	5,820839	5,824991	6,156583	5,986912	5,8328977	5,989495333	0,15659767	1,114655325	---
17476335	6,999771	6,923505	6,878458	7,052769	7,107214	7,111593	6,9339113	7,090525333	0,156614	1,114667944	Alkbh6
17536247	4,456423	4,578978	4,614076	4,783521	4,816617	4,519279	4,5498257	4,706472333	0,15664667	1,114693184	1700003E24Rik // 1700003E24Rik
17291430	3,64629	3,613984	3,611245	3,694432	4,05482	3,592268	3,6238397	3,780506667	0,156667	1,114708894	Prl8a8
17544779	5,428318	5,363718	5,520875	5,576682	5,53985	5,666499	5,437637	5,594343667	0,15670667	1,114739543	Rab9b
17221096	4,276291	4,112525	4,663439	4,371847	4,496416	4,654126	4,3507517	4,507463	0,15671133	1,114743149	Rgs20
17297211	6,16731	5,873664	6,283016	6,401611	6,193657	6,198897	6,1079967	6,264721667	0,156725	1,114753709	Il3ra
17415832	3,892482	4,016281	4,171053	4,171053	4,189493	4,189493	4,0266053	4,183346333	0,156741	1,114766072	---
17443565	6,594881	6,578185	6,47865	6,848216	6,602371	6,671361	6,550572	6,707316	0,156744	1,11476839	Gigyf1
17205133	6,092848	5,795634	6,456727	6,66431	6,003807	6,147542	6,1150697	6,271886333	0,15681667	1,114824541	---
17209323	6,092848	5,795634	6,456727	6,66431	6,003807	6,147542	6,1150697	6,271886333	0,15681667	1,114824541	---
17549674	5,819638	5,954787	5,676847	5,953983	6,28128	5,686464	5,8170907	5,973909	0,15681833	1,114825829	---
17547528	4,885674	4,592317	4,860773	5,040476	5,010687	4,758091	4,779588	4,936418	0,15683	1,114834844	Gm4801
17272307	6,599864	6,408001	6,672128	6,573992	6,870967	6,705672	6,5599977	6,716877	0,15687933	1,114872967	Exoc7
17519481	5,026774	4,682675	4,90025	4,98838	5,148337	4,943624	4,8698997	5,026780333	0,15688067	1,114873997	Gnb5
17488458	7,88797	8,2153	7,905265	8,058616	8,252945	8,167643	8,002845	8,159734667	0,15688967	1,114880952	Zfp36
17206891	5,118904	4,597713	4,82082	5,437659	5,034163	4,53641	4,8458123	5,002744	0,15693167	1,11491341	---
17366928	7,852523	7,415722	7,760588	8,065928	7,632744	7,801041	7,6762777	7,833237667	0,15696	1,114935306	---
17359464	7,03129	6,820263	6,966552	7,057889	7,154342	7,076872	6,9393683	7,096367667	0,15699933	1,114965704	Frat1
17477401	7,249283	7,467569	7,468494	7,540925	7,638488	7,476985	7,3951153	7,552132667	0,15701733	1,114979615	2410002F23Rik
17431216	5,374204	5,144936	5,36934	5,463147	5,476631	5,419783	5,29616	5,453187	0,157027	1,114987085	Catsper4
17392937	6,077971	5,96721	6,043128	6,221066	5,774718	6,563649	6,0294363	6,186477667	0,15704133	1,114998163	Sox12
17260850	4,036047	3,773016	3,990941	4,02477	4,11205	4,134315	3,9333347	4,090378333	0,15704367	1,114999966	---
17347877	5,276339	5,241215	5,201428	5,374679	5,425688	5,389817	5,2396607	5,396728	0,15706733	1,115018258	---
17327989	10,03803	10,24106	10,14093	10,28369	10,21196	10,39561	10,140007	10,29708667	0,15708	1,115028047	---
17239817	9,809849	9,474804	9,492019	9,683986	9,788374	9,77558	9,592224	9,749313333	0,15708933	1,115035261	Enpp3
17503094	4,770307	4,737531	5,374077	5,084011	5,198041	5,071177	4,9606383	5,117743	0,15710467	1,115047112	Podnl1
17337852	6,561837	6,208387	6,50739	6,776032	6,380473	6,592443	6,4258713	6,582982667	0,15711133	1,115052264	Clic5
17533755	4,922388	4,641244	4,885651	5,111982	4,993476	4,815206	4,8164277	4,973554667	0,157127	1,115064373	Slc6a14
17398050	3,230663	3,04403	2,998903	3,36372	3,360359	3,020958	3,0911987	3,248345667	0,157147	1,115079831	---
17372345	3,503407	3,406437	3,50805	3,80407	3,405043	3,680426	3,4726313	3,629846333	0,157215	1,115132391	---
17414152	4,157818	3,792312	4,510926	4,438638	4,174518	4,3196	4,1536853	4,310918667	0,15723333	1,115146562	Olfr275
17550617	5,606262	5,237257	5,267552	5,651717	5,625435	5,305629	5,370357	5,527593667	0,15723667	1,115149138	---
17219464	11,13251	11,55324	11,49441	11,54813	11,68979	11,41399	11,393387	11,55063667	0,15725	1,115159444	---
17285674	6,245296	6,30116	6,560322	6,634522	6,823668	6,120394	6,368926	6,526194667	0,15726867	1,115173873	Olfr1359
17411323	12,2559	12,06353	12,10782	12,25762	12,34443	12,29707	12,142417	12,29970667	0,15729	1,115190364	Acadm
17237051	2,811924	2,804767	3,050871	2,9825	3,308835	2,8481	2,8891873	3,046478333	0,157291	1,115191137	---
17207725	6,609279	7,046462	7,103315	6,708989	7,236862	7,285131	6,9196853	7,076994	0,15730867	1,115204793	---
17509859	7,458019	7,471263	7,272295	7,545888	7,489306	7,638318	7,4005257	7,557837333	0,15731167	1,115207112	Zfp963

17444841	5,508314	5,493558	5,786005	5,734864	5,781717	5,743364	5,595959	5,753315	0,157356	1,115241382	Pdx1	
17380509	8,17906	8,849354	8,612789	8,702802	8,391047	9,019428	8,5470677	8,704425667	0,157358	1,115242928	100043387 // 100043387	
17479148	6,049915	6,173607	5,830701	6,201442	6,285836	6,039095	6,0180743	6,175457667	0,15738333	1,115262512	B130024G19Rik	
17388215	4,903081	5,294731	5,469115	5,326508	5,485098	5,327494	5,222309	5,3797	0,157391	1,115268438	1110051M20Rik	
17262348	12,77083	12,78983	12,72474	12,84628	12,96826	12,94304	12,7618	12,91919333	0,15739333	1,115270242	---	
17413573	10,41742	10,38167	10,44475	10,58029	10,54933	10,58645	10,414613	10,57202333	0,15741	1,115283126	Grhpr	
17237405	5,179311	5,009686	5,362968	5,170798	5,352344	5,501102	5,1839883	5,341414667	0,15742633	1,115295753	A930009A15Rik	
17351273	7,092982	7,187943	7,280521	7,593872	7,230614	7,209258	7,1871487	7,344581333	0,15743267	1,115300649	Onecut2	
17292562	6,66907	6,347289	6,861099	6,803424	6,981667	6,564728	6,6258193	6,783273	0,15745367	1,115316884	---	
17530203	7,458649	7,38785	7,226477	7,435303	7,544675	7,56561	7,3576587	7,515196	0,15753733	1,115381566	Cep63	
17369679	8,28446	8,189053	8,232109	8,451311	8,365881	8,361168	8,2352073	8,392786667	0,15757933	1,115414038	Prrc2b	
17241032	6,334007	6,62606	6,61071	6,330382	7,050972	6,662161	6,5235923	6,681171667	0,15757933	1,115414038	Ddit4	
17310430	7,734819	8,151791	8,01512	8,343572	8,062154	7,968756	7,9672433	8,124827333	0,157584	1,115417646	Mir1898	
17283784	7,411086	7,53069	7,466101	7,733821	7,60551	7,541406	7,4692923	7,626912333	0,15762	1,11544548	Atg2b	
17343405	7,238588	7,001722	7,1136	7,27324	7,338952	7,214783	7,11797	7,275658333	0,15768833	1,115498314	Wiz	
17200045	6,038937	5,785166	5,750051	5,989847	6,163968	5,893469	5,8580513	6,015761333	0,15771	1,115515067	---	
17499686	6,71483	6,532374	6,072258	6,933523	6,535259	6,323864	6,4398207	6,597548667	0,157728	1,115528985	Gm15319	
17314653	4,728037	4,496996	4,64145	4,763479	4,81004	4,766167	4,622161	4,779895333	0,15773433	1,115533882	Ccdc65	
17347281	8,264307	8,361582	8,389226	8,4657	8,495111	8,527563	8,3383717	8,496124667	0,157753	1,115548316	Strn	
17265657	6,504246	6,21593	6,910884	6,964471	6,438875	6,701025	6,5436867	6,701457	0,15777033	1,115561719	Smtnl2	
17492457	7,647891	7,501682	7,34862	7,536923	7,741469	7,693139	7,4993977	7,657177	0,15777933	1,115568678	Ap3s2	
17439523	3,749334	3,645456	3,81825	3,705638	3,824701	4,156067	3,73768	3,895468667	0,15778867	1,115575895	1700007G11Rik	
17385437	7,070041	6,776246	6,915761	7,162103	7,078035	6,995302	6,9206827	7,07848	0,15779733	1,115582597	Acvr1	
17389042	4,186796	4,322321	4,443654	4,556434	4,407419	4,462382	4,3175903	4,475411667	0,15782133	1,115601155	Pax6os1	
17548301	3,439221	3,066553	3,27903	3,347703	3,528883	3,381709	3,2616013	3,419431667	0,15783033	1,115608115	---	
17438020	3,132758	3,714076	3,100921	3,630346	2,946061	3,844846	3,3159183	3,473751	0,15783267	1,115609919	---	
17550188	3,132758	3,714076	3,100921	3,630346	2,946061	3,844846	3,3159183	3,473751	0,15783267	1,115609919	---	
17494298	5,406553	5,213337	5,425436	5,575749	5,577308	5,365774	5,348442	5,506277	0,157835	1,115611723	Ubqln3	
17205347	5,231812	4,9767	5,742208	4,990715	5,55195	5,881647	5,3169067	5,474770667	0,157864	1,115634149	---	
17312503	6,609166	6,688017	6,626128	6,826488	6,748219	6,822245	6,6411037	6,798984	0,15788033	1,115646779	Slc52a2	
17333742	3,501627	3,413271	3,558055	3,711653	3,631931	3,603054	3,4909843	3,648879333	0,157895	1,115658121	Fpr-rs4	
17494128	3,668185	3,484791	3,562821	3,859458	3,681451	3,648583	3,5719323	3,729830667	0,15789833	1,115660699	Olfr559	
17362511	4,418904	4,409974	4,57683	4,421122	4,824875	4,633407	4,4685693	4,626468	0,15789867	1,115660957	Gng3	
17412723	3,572998	3,664378	3,425558	3,693336	4,03575	3,407596	3,5543113	3,712227333	0,157916	1,115674361	1700009N14Rik	
17302429	7,42593	7,567688	7,145951	7,510998	7,554488	7,547916	7,3798563	7,537800667	0,15794433	1,115696272	Lmo7	
17362342	5,13358	5,062162	5,071791	5,2192	5,321573	5,200747	5,0891777	5,247173333	0,15799567	1,115735971	Lgals12	
17296489	9,491851	9,375852	9,349338	9,669277	9,524784	9,497069	9,4056803	9,56371	0,15802967	1,115762266	Nnt	
17203761	5,07452	4,884762	5,042154	4,898229	5,320836	5,256477	5,0004787	5,158514	0,15803533	1,115766648	---	
17493378	3,932369	3,664443	3,747956	4,147932	3,864704	3,80628	3,7815893	3,939638667	0,15804933	1,115777476	---	
17367892	7,864287	7,781214	7,864599	7,997634	8,005522	7,9811	7,8367	7,994752	0,158052	1,115779538	Anapc2	
17227910	6,640596	6,828417	6,402637	6,88003	6,835908	6,629875	6,6238833	6,781937667	0,15805433	1,115781343	Hmcn1	
17437558	5,148064	5,137132	4,844555	5,162097	5,25194	5,189893	5,0432503	5,20131	0,15805967	1,115785468	Pcdh7	
17542126	2,967777	3,157396	2,919518	3,177157	3,004876	3,336959	3,014897	3,172997333	0,15810033	1,11581692	---	
17313042	5,426116	5,246673	5,504276	5,492378	5,651268	5,507762	5,392355	5,550469333	0,15811433	1,115827748	Gm16576	
17350401	5,642695	5,615571	5,565279	5,645059	5,856534	5,796307	5,6078483	5,765966667	0,15811833	1,115830842	Gm949	
17323707	5,218757	4,965704	5,113449	5,440091	5,301173	5,031033	5,0993033	5,257432333	0,158129	1,115839092	---	
17477184	4,306933	4,365476	4,601315	4,690661	4,543632	4,513999	4,4245747	4,582764	0,15818933	1,115885757	Klk14	
17427133	3,811977	3,901624	3,889659	3,796983	4,088058	4,192817	3,8677533	4,025952667	0,15819933	1,115893492	---	
17208453	5,75153	5,078499	4,331408	5,518711	5,01235	5,105133	5,0538123	5,212064667	0,15825233	1,115934487	---	
17371684	8,207769	8,192368	8,171354	8,515265	8,209806	8,321264	8,190497	8,348778333	0,15828133	1,115956919	Dcaf17	
17416743	4,348461	4,221192	4,273616	4,577495	4,431674	4,308971	4,2810897	4,43938	0,15829033	1,11596388	3110021N24Rik	
17548390	5,986492	5,946559	6,30458	6,114354	6,427779	6,170375	6,0792103	6,237502667	0,15829233	1,115965428	Sh3tc1 // Sh3tc1	
17205531	5,462718	5,700673	5,706344	6,520326	5,104995	5,719351	5,623245	5,781557333	0,15831233	1,115980898	---	
17351224	3,355038	3,114363	3,031727	3,401838	3,527434	3,04685	3,1670427	3,325374	0,15833133	1,115995596	---	
17481125	4,346979	4,197745	3,905401	4,44551	4,243411	4,23622	4,1500417	4,308380333	0,15833867	1,116001268	---	
17207655	4,828293	4,855315	4,729087	4,74811	4,724143	5,415529	4,8042317	4,962594	0,15836233	1,116019576	---	
17542933	3,128578	2,912321	3,717364	3,526448	3,296534	3,410424	3,2527543	3,411135333	0,158381	1,116034016	Obp1a	
17528831	4,977283	4,507572	4,749355	5,241523	4,833785	4,634062	4,7447367	4,903123333	0,15838667	1,116038399	---	
17414497	3,355355	3,538496	3,494353	3,573922	3,619928	3,669515	3,4627347	3,621121667	0,158387	1,116038657	Mup6	
17538222	5,710165	5,842043	5,824703	5,954629	5,829652	6,067824	5,7923037	5,950701667	0,158398	1,116047167	Col4a5	
17334883	5,484019	5,583429	5,743073	5,613653	5,828687	5,843458	5,603507	5,761932667	0,15842567	1,116068569	Rgs11	
17379323	6,179573	6,060363	6,278858	6,512408	6,275574	6,206277	6,1729313	6,331419667	0,15848833	1,116117049	Kcnk15	
17424907	6,441812	6,446232	6,75465	6,663857	6,728367	6,725947	6,5475647	6,706057	0,15849233	1,116120144	Zbtb5	
17372884	3,453524	3,390598	2,985743	3,480181	3,282646	3,542703	3,2766217	3,435176667	0,158555	1,116168626	Olfr1145	
17316559	5,278105	5,133684	5,396171	5,393515	5,530628	5,35949	5,26932	5,427877667	0,15855767	1,116170689	---	
17481588	5,459777	5,643245	5,150209	5,036203	5,902856	5,789878	5,4177437	5,576312333	0,15856867	1,1161792	Olfr467	
17539303	8,556792	8,544345	8,51961	8,739848	8,782909	8,573736	8,540249	8,698831	0,158582	1,116189515	Phka2	
17502007	5,528148	5,323982	6,048976	5,957226	5,763021	5,656762	5,633702	5,792336333	0,15863433	1,116230006	Gm16486	
17298041	8,727749	8,771185	8,750568	8,873727	9,058248	8,793482	8,749834	8,908485667	0,15865167	1,116243417	Arhgef3	
17349139	8,746532	8,46253	8,706582	8,744619	8,771751	8,875266	8,638548	8,797212	0,158664	1,116252959	Sap130	
17417017	2,952551	3,072806	3,184951	3,195248	3,317405	3,173675	3,0701027	3,228776	0,15867333	1,116260181	Skint1	
17278791	4,528414	4,755506	4,626708	4,544572	4,951276	4,890827	4,636876	4,795558333	0,15868233	1,116267144	---	
17217155	5,813924	5,8039	5,987322	5,920855	6,246865	5,913496	5,868382	6,027072	0,15869	1,116273076	Mfsd4 // Mfsd4	
17536483	7,296118	7,323533	7,31152	7,566163	7,466288	7,374875	7,3103903	7,469108667	0,15871833	1,116294999	Efnb1	
17320140	4,528916	4,692794	4,787869	4,600842	4,863122	5,021819	4,6698597	4,828594333	0,15873467	1,116307637	---	
17274942	3,694432	3,670715	3,644598	3,920727	3,880933	3,68441	3,669915	3,82869	0,158775	1,116338846	Efcab10	
17388798	3,651716	3,823288	3,813139	3,947238	3,976779	3,840468	3,7627143	3,921495	0,15878067	1,116343231	BC016548 // BC016548	
17397645	7,098521	7,06461	6,923231	7,334002	7,187144	7,041601	7,0287873	7,187582333	0,158795	1,116354322	Smad9	
17512084	7,54596	7,355042	7,299408	7,493554	7,652389	7,530994	7,4001367	7,558979	0,15884233	1,116390949	---	
17350332	5,341179	5,46965	5,752334	5,870017	5,511757	5,657993	5,5210543	5,679922333	0,158868	1,116410811	Kcnn2	
17514211	7,382204	7,324475	7,204554	7,402394	7,494796	7,490679	7,3037443	7,462623	0,15887867	1,116419065	Gm17296	
17479423	6,478243	6,352604	6,614501	6,825802	6,58312	6,513212	6,4817827	6,640711333	0,15892867	1,116457758	Mir9-3	
17549864	6,474606	6,413447	6,621811	6,942821	6,388937	6,654997	6,503288	6,662251667	0,15896367	1,116484844	---	
17549872	6,474606	6,413447	6,621811	6,942821	6,388937	6,654997	6,503288	6,662251667	0,15896367	1,116484844	---	
17283092	5,976929	5,636814	5,984886	5,940536	6,391095	5,743931	5,8662097	6,025187333	0,15897767	1,116495678	---	
17230869	4,67756	4,418483	4,48677	4,692024	4,712291	4,655543	4,5276043	4,686619333	0,159015	1,116524571	---	
17344453	4,692223	4,37961	4,8244	4,789812	4,951186	4,632308	4,6320777	4,791102	0,15902433	1,116531794	Ppp1r18 // Ppp1r18	
17302638	3,982435	4,423222	4,059813	4,185949	4,215196	4,541475	4,1551567	4,314206667	0,15905	1,116551658	Mir20a	
17209197	8,612647	8,340007	8,650807	8,436454	8,845815	8,798464	8,534487	8,693577667	0,15909067	1,116583132	---	
17323627	5,402742	5,874372	5,924278	5,849066	5,97986	5,849969	5,7337973	5,892965	0,15916767	1,116642728	Vpreb2	
17296979	6,864968	6,671195	6,502848	6,893061	6,774002	6,84949	6,6796703	6,838851	0,15918067	1,11665279	Gm10409	
17477159	5,09328	4,318572	4,442527	4,745001	4,779148	4,80795	4,6181263	4,777366333	0,15924	1,116698715	Zfp819	
17300165	5,046316	4,872355	5,187187	5,075926	5,349991	5,157664	5,035286	5,194527	0,159241	1,116699489	---	
17344736	3,824697	3,781815	3,868548	4,161972	3,995448	3,79537	3,82502	3,984263333	0,15924333	1,116701295	H2-M10.3	
17257398	5,467115	5,05448	5,512307	5,633093	5,460375	5,41823	5,344634	5,503899333	0,15926533	1,116718324		03/11/17
17300672	5,712726	6,039293	5,986213	5,881821	6,307273	6,026959	5,912744	6,072017667	0,15927367	1,116724775	Nfatc4	
17246447	3,344803	3,36161	3,267164	3,147731	3,983615	3,320061	3,3245257	3,483802333	0,15927667	1,116727097	Olfr816	
17325353	4,229587	4,186133	4,366346	4,297998	4,80975	4,152161	4,2606887	4,419969667	0,159281	1,116730451	Gm4758	
17362555	6,154745	6,178096	5,734484	6,191944	6,26919	6,084066	6,0224417	6,181733333	0,15929167	1,116738708	Stxbp3b	
17506030	11,33113	11,27703	11,24844	11,404	11,50111	11,42939	11,285533	11,44483333	0,1593	1,116745158	Hsd17b2	
17310462	13,09566	13,01368	13,03074	13,10769	13,24885	13,26152	13,046693	13,20602	0,15932667	1,1167658	Gm12070 // Gm12070	
17491747	5,365243	5,24595	5,922669	5,908445	5,545516	5,558162	5,5112873	5,670707667	0,15942033	1,116838309	---	
17550388	3,874675	3,601162	3,863819	4,055797	3,898344	3,863819	3,7798853	3,93932	0,15943467	1,116849405	---	
17332495	4,442393	4,158957	4,306547	4,305681	4,652752	4,427781	4,3026323	4,462071333	0,159439	1,116852759	Dscam	
17451726	12,97892	12,89883	12,9285	13,08267	13,10791	13,09418	12,935417	13,09492	0,15950333	1,116902564	Cox6a1	
17211939	7,903928	8,041426	7,988627	8,162676	8,242922	8,006958	7,9779937	8,137518667	0,159525	1,116919338	Inpp4a	
17299593	4,37359	4,284935	4,574496	4,54809	4,55197	4,611549	4,411007	4,570536333	0,15952933	1,116922692	Ear14	
17306719	7,42997	7,7509	7,821351	7,91361	7,820175	7,747045	7,667407	7,826943333	0,15953633	1,116928112	Ipo4	
17491712	3,025794	3,12206	3,066001	3,221194	3,544164	2,927112	3,071285	3,230823333	0,15953833	1,11692966	Mir344d-3	
17206843	7,066345	6,764444	6,397105	6,96351	6,952451	6,790612	6,7426313	6,902191	0,15955967	1,116946176	---	
17299443	4,194429	4,121642	4,070837	4,35713	4,250856	4,257668	4,1289693	4,288551333	0,159582	1,116963467	---	
17370580	4,360987	4,43257	4,383493	4,56226	4,424984	4,668632	4,39235	4,551958667	0,15960867	1,116984113	---	
17384374	12,10239	12,09151	11,85927	12,15425	12,16036	12,21743	12,017723	12,17734667	0,15962333	1,116995469	Hc	
17241234	6,627088	6,406785	6,89981	6,989072	6,700235	6,723269	6,644561	6,804192	0,159631	1,117001405	---	
17210675	6,697858	5,657095	5,563129	5,810753	6,1977	6,388538	5,972694	6,132330333	0,15963633	1,117005534	---	
17365229	4,959828	4,876206	4,887857	5,069905	5,100173	5,032723	4,9079637	5,067600333	0,15963667	1,117005792	4933429K18Rik	
17467421	6,388805	6,448629	6,586464	6,552128	6,493887	6,856803	6,4746327	6,634272667	0,15964	1,117008373	---	
17366872	3,445088	3,229323	3,192903	3,562979	3,473036	3,310226	3,2891047	3,448747	0,15964233	1,117010179	---	
17339886	4,930599	4,841873	4,757348	4,943738	4,869841	5,195264	4,8432733	5,002947667	0,15967433	1,117034956	Cdc42ep3	
17299885	4,630514	4,656106	4,803138	4,942162	4,927759	4,698901	4,696586	4,856274	0,159688	1,117045538	---	
17416110	8,134598	8,279041	8,165432	8,269817	8,390842	8,397739	8,1930237	8,352799333	0,15977567	1,117113418	Mier1	
17474890	5,258983	5,215497	5,412024	5,408279	5,5135	5,444098	5,2955013	5,455292333	0,159791	1,117125291	Zfp112	
17423107	6,729503	6,430518	6,442136	6,558314	6,856911	6,666353	6,5340523	6,693859333	0,159807	1,11713768	Tox	
17271578	3,928932	4,158097	4,372649	4,25428	4,342023	4,342862	4,153226	4,313055	0,159829	1,117154716	4732490B19Rik	
17513285	4,248414	4,146925	3,909695	3,908168	4,144171	4,732269	4,101678	4,261536	0,159858	1,117177172	---	
17266627	3,982575	3,850224	3,984463	4,13644	4,084346	4,076159	3,9390873	4,098981667	0,15989433	1,117205308	---	
17547859	9,283476	9,303457	8,958327	9,403821	9,192354	9,428833	9,1817533	9,341669333	0,159916	1,117222087	BC056474 // BC056474	
17530503	6,148512	6,215821	6,528729	6,430383	6,427765	6,514747	6,2976873	6,457631667	0,15994433	1,117244028	Col6a6	
17256332	3,613824	3,725858	3,82867	3,966863	3,960935	3,720436	3,722784	3,882744667	0,15996067	1,117256677	Krtap31-2	
17244995	5,028848	4,917921	5,079058	5,053416	5,39924	5,053056	5,008609	5,168570667	0,15996167	1,117257451	---	
17272892	4,673114	4,617391	4,322541	5,103415	4,615171	4,374378	4,537682	4,697654667	0,15997267	1,11726597	---	
17342292	4,975517	4,900597	5,247466	5,188567	5,319339	5,095613	5,0411933	5,201173	0,15997967	1,117271391	Sstr5	
17428186	8,50746	8,436361	8,531605	8,439739	8,858645	8,656985	8,4918087	8,651789667	0,159981	1,117272424	---	
17233001	6,906645	6,628635	6,467638	6,84286	6,805847	6,834187	6,6676393	6,827631333	0,159992	1,117280943	Pdss2	

17290925	9,383032	8,976865	9,216799	9,409083	9,227267	9,420358	9,192232	9,352236	0,160004	1,117290236	---
17202319	4,870414	5,063323	4,345193	4,864305	5,326696	4,56796	4,7596433	4,919653667	0,16001033	1,117295141	---
17201099	9,889881	10,06954	9,704778	9,848271	10,17045	10,12559	9,8880663	10,04810367	0,16003733	1,117316051	---
17516237	3,843624	3,434106	3,288321	3,607175	3,99272	3,446319	3,522017	3,682071333	0,16005433	1,117329217	Olfr26
17479027	5,40606	4,759842	5,202153	5,424042	5,199988	5,224206	5,122685	5,282745333	0,16006033	1,117333864	Lass3
17417814	3,69677	3,587182	3,265513	3,562679	3,649249	3,817744	3,5164883	3,676557333	0,160069	1,117340576	Olfr1341
17235136	7,522426	7,904636	7,789794	7,972145	7,81621	7,908782	7,738952	7,899045667	0,16009367	1,11735968	Hmha1
17397810	4,478702	4,003681	4,226131	4,5027	4,190069	4,496039	4,2361713	4,396269333	0,160098	1,117363036	Gm8234
17372970	4,122795	3,438855	3,893705	4,467767	3,712322	3,755566	3,8184517	3,978551667	0,1601	1,117364585	Olfr1265
17501142	3,066777	3,214858	2,899544	3,307278	3,219109	3,135131	3,060393	3,220506	0,160113	1,117374654	---
17412998	5,810192	5,849828	6,0738	6,136825	6,07789	5,999486	5,9112733	6,071400333	0,160127	1,117385497	4933409K07Rik // 4933409K07Rik
17424410	5,810192	5,849828	6,0738	6,136825	6,07789	5,999486	5,9112733	6,071400333	0,160127	1,117385497	4933409K07Rik // 4933409K07Rik
17434127	5,810192	5,849828	6,0738	6,136825	6,07789	5,999486	5,9112733	6,071400333	0,160127	1,117385497	4933409K07Rik // 4933409K07Rik
17339462	3,971561	3,934341	3,862525	4,040109	4,053775	4,154926	3,922809	4,082936667	0,16012767	1,117386013	4930471L23Rik // 4930471L23Rik
17255026	8,44192	8,429969	8,231129	8,609886	8,538144	8,435446	8,3676727	8,527825333	0,16015267	1,117405376	Trim25
17432674	7,589837	7,634767	7,675564	7,747886	7,819103	7,81374	7,6333893	7,793576333	0,160187	1,117431969	Tnfrsf1b
17377177	6,708029	6,765823	6,807176	6,766555	6,974697	7,020413	6,7603427	6,920555	0,16021233	1,117451591	Rin2
17374781	6,093588	6,161936	6,105605	6,348819	6,256611	6,236378	6,1203763	6,280602667	0,16022633	1,117462434	Vps18
17467379	4,26227	3,564207	3,857596	4,249622	4,044215	3,871107	3,894691	4,054981333	0,16029033	1,117512008	---
17311846	8,332968	8,279593	8,302814	8,442089	8,548024	8,406144	8,305125	8,465419	0,160294	1,117514848	Myc
17419068	4,981519	5,046011	5,491913	5,235103	5,436111	5,329169	5,1731477	5,333461	0,16031333	1,117529824	---
17453714	6,231965	6,337301	6,647306	6,643177	6,48952	6,564909	6,405524	6,565868667	0,16034467	1,117554095	Sh2b2
17502750	5,692812	5,691323	5,496688	5,691323	5,984483	5,686054	5,626941	5,787286667	0,16034567	1,11755487	Gm4890
17487535	6,486808	6,134724	5,79224	6,07221	6,449944	6,372787	6,137924	6,298313667	0,16038967	1,117588954	Vmn1r117
17487625	6,486808	6,134724	5,79224	6,07221	6,449944	6,372787	6,137924	6,298313667	0,16038967	1,117588954	Vmn1r117
17501408	7,000842	6,951611	7,238657	7,209806	7,241804	7,220696	7,0637033	7,2241O2	0,16039867	1,117595926	Sh3rf1
17384811	5,564329	5,46236	5,285405	5,406895	5,707474	5,679179	5,4373647	5,597849333	0,16048467	1,117662549	Gm16523
17260668	12,15436	12,14311	12,078	12,3341	12,33018	12,19268	12,125157	12,28565333	0,16049667	1,117671845	Grb10
17426447	7,55393	7,721105	7,620063	7,853844	7,619576	7,903321	7,6316993	7,792247	0,16054767	1,117711356	Cdk5rap2
17263835	4,43493	4,503978	4,528913	4,514933	4,655352	4,779413	4,4892737	4,649899333	0,16062567	1,117771787	---
17519054	3,476181	3,525082	3,476707	3,7689	3,720114	3,47092	3,4926567	3,653311333	0,16065467	1,117794256	---
17225564	10,74314	10,73504	10,62467	10,703	10,9283	10,95359	10,70095	10,86163	0,16068	1,117813884	Ndufa10
17393535	4,888435	4,383994	4,419608	4,815379	4,658264	4,700474	4,5640123	4,724105667	0,16069333	1,117824215	---
17337701	3,540277	3,922184	3,894814	4,138686	3,867016	3,833703	3,7857583	3,946468333	0,16071	1,117837129	Gm6084
17441952	8,881617	8,645159	8,647558	8,863149	8,926453	8,867238	8,724778	8,885613333	0,16083533	1,117934245	Brap
17485686	3,998694	3,781369	3,90042	4,084123	4,21131	3,8676	3,8934943	4,054344333	0,16085	1,11794561	9430041J12Rik
17422885	6,893301	6,889905	6,972362	7,038475	7,172002	7,027733	6,9185227	7,079403333	0,16088067	1,117969374	9430015G10Rik
17488515	4,476047	4,546388	4,777375	4,559035	4,779845	4,943585	4,5999367	4,760821667	0,160885	1,117972732	C330005M16Rik
17248231	4,540956	4,777772	4,670575	5,049143	4,755746	4,667129	4,663101	4,824006	0,160905	1,11798823	Nsg2
17204429	4,925121	4,970987	4,693802	5,036838	4,902115	5,133835	4,8633033	5,024262667	0,16095933	1,118030335	---
17319389	5,614562	4,94453	5,187899	5,264491	5,143559	5,821836	5,248997	5,409962	0,160965	1,118034727	Rpl3
17405446	5,359333	4,950641	4,798303	5,421582	5,021172	5,148618	5,0360923	5,197124	0,16103167	1,118086392	Clrn1
17543795	7,710729	7,205639	7,212972	7,67409	7,419428	7,518953	7,3764467	7,537490333	0,16104367	1,118095692	B230206F22Rik
17370352	3,827633	3,68871	3,593703	3,713422	3,885991	3,993864	3,7033487	3,864425667	0,161077	1,118121526	Olfr352
17523673	5,912984	5,97903	6,340301	5,940736	6,384075	6,390752	6,0774383	6,238521	0,16108267	1,118125918	4930526I15Rik // 4930526I15Rik
17519503	4,281086	4,320374	4,335106	4,422085	4,474631	4,523136	4,3121887	4,473284	0,16109533	1,118135735	4933433G15Rik
17362190	9,485765	9,485224	9,576727	9,630611	9,79983	9,600626	9,5159053	9,677022333	0,161117	1,118152527	Fkbp2
17470510	4,675105	4,58505	4,675686	4,900976	4,771375	4,746939	4,6452803	4,80643	0,16114967	1,118177846	Tuba8
17415319	6,699093	5,786524	6,332839	6,309247	6,106749	6,885925	6,2728187	6,433973667	0,161155	1,11818198	Ifnz
17521298	2,872562	3,161299	3,015908	3,4806	3,191213	2,861427	3,0165897	3,177746667	0,161157	1,11818353	---
17252969	7,805248	7,645971	7,806789	7,986218	7,839052	7,916225	7,7526693	7,913831667	0,16116233	1,118187663	Rilp
17276348	5,683767	5,582549	5,544834	5,784219	5,786645	5,723788	5,6037167	5,764884	0,16116733	1,118191539	Gm5068
17208109	4,332674	4,016294	3,828623	4,222325	4,18434	4,25454	4,059197	4,220401667	0,16120467	1,118220475	---
17467395	5,156976	4,794817	5,540472	5,418858	5,561503	4,995521	5,1640883	5,325294	0,16120567	1,11822125	---
17317442	3,233712	3,53102	3,416242	3,535262	3,691664	3,437723	3,393658	3,554883	0,161225	1,118236235	Gsdmc2
17390879	7,436185	7,717796	7,24703	7,709052	7,634562	7,541098	7,4670037	7,628237333	0,16123367	1,118242953	Fbn1
17205955	5,892325	4,957756	4,775843	5,403086	5,345225	5,36144	5,2086413	5,369917	0,16127567	1,118275508	---
17356372	8,274273	8,332918	8,309731	8,473981	8,572086	8,354716	8,3056407	8,466927667	0,161287	1,118284293	Yif1a
17290016	4,125981	3,800132	4,222229	4,469652	3,801502	4,361053	4,0494473	4,210735667	0,16128833	1,118285326	BC067074
17246878	8,34661	8,372805	8,188832	8,414227	8,614138	8,363806	8,302749	8,464057	0,161308	1,118300571	Thoc5
17201007	7,377539	7,543712	7,450488	7,136456	7,765769	7,953831	7,4572463	7,618685333	0,161439	1,11840212	---
17501768	5,881685	5,793133	5,816922	5,906485	6,269164	5,800414	5,83058	5,992021	0,161441	1,11840367	Tssk6
17368666	7,699238	7,513773	7,361216	7,626946	7,66574	7,765904	7,5247423	7,686196667	0,16145433	1,118414006	Mrps2 // Mrps2
17536984	5,599017	5,223413	5,213168	5,924927	5,106695	5,488389	5,3451993	5,506670333	0,161471	1,118426927	---
17539914	8,691816	8,498566	8,52723	8,657376	8,688069	8,856595	8,5725373	8,734013333	0,161476	1,118430803	Pqbp1
17368079	8,536592	8,579564	8,494849	8,790105	8,651046	8,654299	8,5370017	8,698483333	0,16148167	1,118435196	Fbxw5
17540623	4,395591	4,304329	4,156715	4,322083	4,402694	4,61642	4,285545	4,447065667	0,16152067	1,118465431	Gm4297
17225138	5,185954	5,333978	4,807029	5,30572	5,131252	5,374575	5,108987	5,270515667	0,16152867	1,118471633	Htr2b
17326987	7,988519	7,542961	7,287204	7,271131	7,734796	8,297349	7,606228	7,767758667	0,16153067	1,118473183	Mrap
17419097	5,570149	5,397799	5,680197	5,702057	5,707013	5,723718	5,5493817	5,710929333	0,16154767	1,118486363	Bai2
17338445	5,890914	5,856545	5,937491	6,099764	6,028894	6,04095	5,8949833	6,056536	0,16155267	1,118490239	Unc5cl
17315485	5,294121	5,135633	5,351631	5,272285	5,581183	5,412619	5,2604617	5,422029	0,16156733	1,11850161	Hoxc13
17460594	9,246793	9,429104	9,518368	9,286609	9,803628	9,588756	9,3980883	9,559664333	0,161576	1,118508329	---
17269806	4,69	5,282015	5,129133	4,787585	5,605371	5,192942	5,033716	5,195299333	0,16158333	1,118514015	Ccr10
17438180	6,58075	6,756297	6,441982	6,798451	6,965072	6,500422	6,5930097	6,754648333	0,16163867	1,118556915	2700023E23Rik
17482731	6,744006	6,91315	7,100016	7,585126	6,712254	6,944724	6,9190573	7,080701333	0,161644	1,11856105	---
17447259	6,200022	6,41391	6,143659	6,578216	6,241205	6,423125	6,2525303	6,414182	0,16165167	1,118566995	Tnip2
17210565	8,014982	7,887395	8,328376	8,2719	8,323093	8,120868	8,0769177	8,238620333	0,16170267	1,118606537	---
17524748	4,788341	4,734359	4,774683	5,124321	4,834921	4,823279	4,7657943	4,927507	0,16171267	1,118614291	---
17526377	10,3618	10,38002	10,41324	10,56175	10,55475	10,52371	10,38502	10,54673667	0,16171667	1,118617392	Ttc36
17345812	4,200079	4,359862	3,978657	4,468827	4,250292	4,304654	4,1795327	4,341257667	0,161725	1,118623854	---
17209625	5,034354	5,160123	4,46069	4,46003	4,998424	5,681911	4,8850557	5,046788333	0,16173267	1,118629798	---
17459836	5,039293	5,02785	4,940712	5,206747	5,213451	5,072891	5,0026183	5,164363	0,16174467	1,118639103	LOC100503135 // LOC100503135
17467508	3,072747	3,250526	3,29131	3,143651	3,45843	3,497768	3,204861	3,366616333	0,16175533	1,118647374	---
17308626	7,858146	7,977743	7,630513	8,081245	7,909095	7,961397	7,822134	7,983912333	0,16177833	1,118665208	Lrch1
17206115	5,265697	5,541667	5,851034	6,015999	5,559864	5,567885	5,5527993	5,714582667	0,16178333	1,118669085	---
17283543	8,616016	9,098089	8,785601	9,298704	8,731144	8,955229	8,8332353	8,995025667	0,16179033	1,118674512	---
17290695	5,527764	5,656499	5,714001	5,728779	6,08424	5,570638	5,6327547	5,794552333	0,16179767	1,118680199	Gpr137b
17359944	9,506846	9,43224	9,455029	9,562284	9,492564	9,824728	9,464705	9,626525333	0,16182033	1,118697775	---
17530311	4,156872	4,117118	4,043709	4,269204	3,970724	4,563282	4,1058997	4,267736667	0,161837	1,118710699	Tmem108
17393336	8,809221	8,936069	9,003757	9,083251	9,142567	9,008752	8,916349	9,07819	0,161841	1,1187138	Edem2
17234188	3,910871	4,913938	4,189924	4,706245	4,335902	4,458202	4,3382443	4,500116333	0,161872	1,118737839	---
17403701	4,353988	4,335429	4,624	4,813715	4,669936	4,315462	4,4378057	4,599704333	0,16189867	1,118758518	AI115009
17246481	3,068904	3,288563	3,357141	3,115171	3,234149	3,851086	3,2382027	3,400135333	0,16193267	1,118784884	Vmn2r85
17295494	5,454389	5,334223	5,066675	5,395049	5,477715	5,468366	5,2850957	5,447043333	0,16194767	1,118796516	---
17508554	4,686585	4,684363	4,62507	4,786798	4,856591	4,838485	4,6653393	4,827291333	0,161952	1,118799877	Chrna6
17416397	5,672859	5,918158	6,051191	5,815388	6,13858	6,17413	5,880736	6,042699333	0,16196333	1,118808666	Cyb5rl
17310799	4,583394	4,687733	4,223427	4,766995	4,828101	4,38536	4,4981847	4,660152	0,16196733	1,118811768	---
17490069	6,240364	6,099715	6,000548	6,396817	6,308116	6,121597	6,1135423	6,27551	0,16196767	1,118812026	9830147E19Rik // 9830147E19Rik
17304434	12,36933	12,47863	12,48512	12,575	12,6989	12,5451	12,44436	12,60633333	0,16197333	1,118816421	Itih3
17296581	6,582958	6,352087	6,017134	6,63486	6,452756	6,350567	6,317393	6,479394333	0,16200133	1,118838135	Gm10413
17512463	9,856427	10,15984	10,29055	10,24687	10,34674	10,19929	10,102272	10,2643	0,16202767	1,118858557	---
17414767	7,125246	7,136762	7,215371	7,06551	7,436732	7,461236	7,1591263	7,321159333	0,162033	1,118862693	6330416G13Rik
17463451	4,900614	4,013543	4,236626	4,66504	4,449124	4,522736	4,3835943	4,545633333	0,162039	1,118867347	---
17337481	5,675227	5,523886	5,709937	5,713119	5,789382	5,892803	5,63635	5,798434667	0,16208467	1,118902764	Rnf39
17534834	4,88543	4,260016	4,125911	4,733963	4,425718	4,597976	4,4237857	4,585885667	0,1621	1,118914656	Slxl1
17341731	5,862891	5,936304	6,465101	6,329747	6,30079	6,120077	6,0880987	6,250204667	0,162106	1,118919309	Atp6v0c
17535376	4,623607	4,35569	4,583524	4,962924	4,623722	4,462567	4,5209403	4,683071	0,16213067	1,11893844	Gm1141
17281219	8,78594	8,714333	8,561839	8,767754	9,040979	8,74001	8,6873707	8,849581	0,16221033	1,11900023	Nfkbia
17239742	3,451892	4,220054	3,827988	4,10069	4,088553	3,79736	3,8333113	3,995534333	0,162223	1,119010055	---
17487440	5,586328	5,539831	5,527782	5,912915	5,698751	5,528949	5,5513137	5,713538333	0,16222467	1,119011348	Cblc
17227086	6,259543	6,414743	6,392316	6,34752	6,585616	6,620143	6,355534	6,517759667	0,16222567	1,119012123	Gm19497
17200429	3,904826	3,197837	3,265594	3,91451	3,399698	3,540791	3,4560857	3,618333	0,16224733	1,119028929	---
17244472	5,007751	4,574362	5,400064	5,294222	4,759067	5,415631	4,994059	5,156306667	0,16224767	1,119029188	---
17452853	6,213714	6,168273	5,924553	6,089538	6,593379	6,110413	6,10218	6,264443333	0,16226333	1,11904134	Rilpl2
17431099	7,384445	7,295669	7,346811	7,356277	7,666674	7,490769	7,3423083	7,504573333	0,162265	1,119042632	---
17543407	7,131742	7,237477	6,93148	7,357813	7,213176	7,216514	7,100233	7,262501	0,162268	1,119044959	Ophn1
17448808	9,169979	9,078654	9,362357	9,516071	9,106402	9,47544	9,2036633	9,365971	0,16230767	1,119075728	---
17378053	4,692597	4,682917	4,775525	4,932664	4,984626	4,720691	4,717013	4,879327	0,162314	1,11908064	Bpifb3
17550396	4,353987	4,46577	4,686262	4,870107	4,605049	4,517888	4,5020063	4,664348	0,16234167	1,119102101	---
17411522	3,580109	3,342721	3,3163	3,637048	3,448871	3,640293	3,4130433	3,575404	0,16236067	1,11911684	2210414B05Rik
17511450	7,337792	7,485403	6,856644	7,213317	7,615191	7,338492	7,226613	7,389	0,162387	1,119137267	Siah1a
17533494	3,80633	3,681441	3,540558	3,822563	3,95023	3,742794	3,6761097	3,838529	0,16241933	1,119162349	Dusp21
17322574	4,407401	4,194399	4,312887	4,661547	4,221682	4,518804	4,3048957	4,467344333	0,16244867	1,119185105	---
17461684	5,02368	4,547603	5,081734	4,956869	4,925433	5,258095	4,884339	5,046799	0,16246	1,119193897	Il17re
17550442	5,503036	5,615806	5,632145	5,783226	5,779633	5,675545	5,5836623	5,746134667	0,16247233	1,119203464	---
17273394	6,267155	6,233826	6,36355	6,454528	6,579254	6,31821	6,288177	6,450664	0,162487	1,119214842	Ccdc57
17502260	7,292912	7,162897	7,292083	7,495101	7,29403	7,446476	7,2492973	7,411869	0,16257167	1,119280527	Fam129c
17208245	5,551126	5,399065	5,898459	5,835782	5,648931	5,851702	5,6162167	5,778805	0,16258833	1,119293458	---
17321263	7,601756	7,708818	7,592485	7,870209	7,789568	7,731124	7,634353	7,796967	0,162614	1,119313371	Adcy6
17203435	5,566289	5,671861	5,337616	5,638124	5,665388	5,760115	5,5252553	5,687875667	0,16262033	1,119318285	---
17295981	5,830485	5,731743	5,828739	5,958731	6,01276	5,907444	5,796989	5,959645	0,162656	1,119345957	Fam159b
17268301	4,043732	4,170589	4,076773	4,072975	4,263183	4,442931	4,0970313	4,259696333	0,162665	1,11935294	Calcoco2
17201651	4,901278	4,74503	4,802527	4,998425	5,090215	4,848303	4,8162783	4,978981	0,16270267	1,119382165	---

17219452	10,27363	10,45252	10,3918	10,53449	10,66609	10,40552	10,37265	10,53536667	0,16271667	1,119393028	---	
17359111	5,896641	6,374281	5,927468	6,313252	5,974548	6,398775	6,06613	6,228858333	0,16272833	1,11940208	---	
17542064	3,439492	3,350217	3,584735	3,615275	3,651249	3,596121	3,458148	3,620881667	0,16273367	1,119406218	Mir743b	
17443881	2,812201	3,20795	2,845648	3,175861	3,212533	2,965677	2,9552663	3,118023667	0,16275733	1,119424581	---	
17292150	4,243855	4,163532	4,170328	4,409898	4,350721	4,305383	4,1925717	4,355334	0,16276233	1,119428461	A330076C08Rik	
17221010	3,530275	4,335719	3,689982	4,214924	3,89639	3,932952	3,851992	4,014755333	0,16276333	1,119429237	Mir3962 // Mir3962	
17536065	4,018794	4,115816	4,412172	4,245381	4,351048	4,438659	4,1822607	4,345029333	0,16276867	1,119433375	Fam47c	
17285225	9,932325	10,12627	10,0495	10,17459	10,29014	10,13172	10,036032	10,19881667	0,162785	1,119446049	Nid1 // Nid1	
17445922	9,364142	9,314429	9,227775	9,412687	9,568588	9,413533	9,3021153	9,464936	0,16282067	1,119473725	Reln	
17418030	4,748101	4,732003	4,834263	5,012637	4,875144	4,91506	4,7714557	4,934280333	0,16282467	1,119476828	---	
17359964	8,988273	8,556589	8,124234	8,699937	8,75774	8,699937	8,5563653	8,719204667	0,16283933	1,119488209	---	
17367896	6,238175	6,841319	6,745119	7,11435	7,152078	6,046759	6,6082043	6,771062333	0,162858	1,119502694	---	
17547583	5,568117	5,337116	5,566282	5,625697	5,678444	5,656001	5,490505	5,653380667	0,16287567	1,119516403	Gm20255	
17359698	4,670874	4,301873	4,503065	4,542543	4,447237	4,974699	4,4919373	4,654826333	0,162889	1,11952675	Scd4	
17518644	6,966786	7,370893	7,347732	7,322299	7,342187	7,50981	7,2284703	7,391432	0,16296167	1,11958314	Csnk1g1	
17421807	6,567208	6,909397	6,519065	6,59243	7,10458	6,78755	6,6652233	6,828186667	0,16296333	1,119584434	Lzic	
17200409	6,730758	6,637218	6,484298	6,602884	6,824664	6,913704	6,6174247	6,780417333	0,16299267	1,119607198	---	
17454099	4,163713	3,970577	4,169946	4,126091	4,352874	4,314303	4,101412	4,264422667	0,16301067	1,119621167	Fbxo24	
17334433	5,836669	6,106353	6,606939	6,043996	6,331427	6,663589	6,1833203	6,346337333	0,163017	1,119626082	4930528F23Rik	
17470683	4,167621	4,195838	4,198306	4,414068	4,537493	4,09934	4,187255	4,350300333	0,16304533	1,11964807	1700013D24Rik	
17370527	9,11971	9,112376	8,880774	8,981509	9,293163	9,327408	9,03762	9,200693333	0,16307333	1,119669801	Kynu	
17282069	3,528049	3,22225	3,469225	3,362892	3,487963	3,857954	3,406508	3,569603	0,163095	1,119686616	Gpx2	
17539656	3,164799	3,657902	3,390123	3,661586	3,252982	3,787589	3,4042747	3,567385667	0,163111	1,119699034	---	
17455801	8,084006	8,372354	8,157919	8,366715	8,396032	8,340912	8,2047597	8,367886333	0,16312667	1,119711193	Col1a2	
17387512	3,803587	3,696239	3,863487	3,769838	3,966624	4,116299	3,787771	3,950920333	0,16314933	1,119728786	Mir130a	
17202811	6,776444	6,472026	6,766863	7,361091	6,551572	6,592135	6,6717777	6,834932667	0,163155	1,119733184	---	
17240667	3,977228	3,752783	4,255518	4,084911	4,166309	4,223791	3,9951763	4,158337	0,16316067	1,119737582	---	
17506888	3,898925	4,096312	3,750561	4,09233	4,116693	4,026287	3,915266	4,078436667	0,16317067	1,119745343	4933403G14Rik	
17448749	9,233273	9,087521	8,885763	9,083537	9,156138	9,456399	9,0688523	9,232024667	0,16317233	1,119746637	---	
17322950	6,173804	5,948094	6,146976	6,343509	6,307222	6,107724	6,0896247	6,252818333	0,16319367	1,119763195	Snx29	
17538768	9,026123	9,329844	8,985904	9,385909	9,406251	9,039435	9,113957	9,277198333	0,16324133	1,119800193	---	
17534192	5,977907	5,392006	5,440795	5,967998	5,588594	5,743845	5,6035693	5,766812333	0,163243	1,119801486	Rhox4a	
17396192	4,028629	4,135575	4,25075	4,422076	4,294771	4,187875	4,138318	4,301574	0,163256	1,119811577	Cypt12	
17397654	5,114169	4,894772	5,098505	5,105279	5,311608	5,180327	5,0358153	5,199071333	0,163256	1,119811577	4931419H13Rik	
17393036	7,974502	8,164713	8,180237	8,262167	8,268589	8,278643	8,106484	8,269799667	0,16331567	1,119857891	Plagl2	
17542249	4,346328	4,71366	4,193204	4,31451	4,633767	4,794927	4,4177307	4,581068	0,16333733	1,119874709	Pnma5 // Pnma5	
17433631	5,892964	5,576485	5,74886	5,850907	5,991536	5,865954	5,7394363	5,902799	0,16336267	1,119894374	Prdm16	
17210621	4,896333	4,29332	4,244855	5,395735	4,691483	3,837404	4,4781693	4,641540667	0,16337133	1,119901101	---	
17366197	5,234475	5,263321	5,155833	5,365259	5,41006	5,368661	5,2178763	5,381326667	0,16345033	1,119962427	Sp100	
17200219	5,372502	5,417682	6,142087	5,905083	6,107169	5,410375	5,6440903	5,807542333	0,163452	1,119963721	---	
17538758	7,458244	7,34449	6,401258	8,016002	6,663275	7,015193	7,0679973	7,23149	0,16349267	1,119995291	---	
17481196	4,058411	3,732505	3,741944	4,052261	4,056387	3,914704	3,8442867	4,007784	0,16349733	1,119998914	Olfr599	
17548131	4,353825	4,634757	4,358345	4,798235	4,682076	4,357116	4,4489757	4,612475667	0,1635	1,120000984	Gm10862	
17299621	5,112619	4,79395	4,965505	5,182341	5,023173	5,15711	4,957358	5,120874667	0,16351667	1,120013923	Gm5622	
17385614	5,623296	5,710682	5,32008	5,596805	5,828886	5,718919	5,5513527	5,71487	0,16351733	1,120014441	Pla2r1	
17414651	8,090893	7,715858	7,894197	8,060605	8,109226	8,021746	7,900316	8,063859	0,163543	1,120034367	Zfp618	
17241598	5,968977	5,191074	5,555118	5,302267	5,79783	6,105811	5,571723	5,735302667	0,16357967	1,120062833	---	
17348570	7,658823	7,557463	7,539205	7,638925	7,815206	7,792309	7,5851637	7,748813333	0,16364967	1,12011718	Ttc39c	
17500876	6,84672	6,87895	6,66538	6,914599	7,066323	6,901117	6,7970167	6,960679667	0,163663	1,120127532	Sorbs2	
17469016	5,17417	4,812783	5,411372	5,354859	5,348312	5,18616	5,132775	5,296443667	0,16366867	1,120131932	Wnt7a	
17296770	5,47327	5,740983	5,69228	6,035606	5,487288	5,874646	5,635511	5,79918	0,163669	1,120132191	---	
17378242	6,343107	6,459805	6,366714	6,38054	6,64341	6,63694	6,3898753	6,55363	0,16375467	1,120198706	Zfp341	
17427628	3,962567	3,874551	3,605296	3,817066	4,531353	3,585284	3,814138	3,977901	0,163763	1,120205176	B020004J07Rik	
17231277	3,145257	3,558561	3,537694	3,408539	3,982514	3,341788	3,4138373	3,577613667	0,16377633	1,120215529	4930503O07Rik	
17296715	6,633236	6,238024	5,782626	6,51018	6,287229	6,347867	6,217962	6,381758667	0,16379667	1,120231318	Gm3500	
17548502	6,150913	6,077538	6,208993	6,56196	6,171482	6,195425	6,1458147	6,309622333	0,16380767	1,120239859	Gm19966	
17484556	3,106213	3,206093	3,343647	3,352295	3,5914	3,203685	3,218651	3,38246	0,163809	1,120240894	Olfr533	
17257062	8,786774	8,804974	8,505552	8,697609	8,893169	8,998036	8,6991	8,862938	0,163838	1,120263413	---	
17227536	9,048354	9,1299	8,976952	9,160612	9,434908	9,051246	9,0517353	9,215588667	0,16385333	1,120275319	Ptprc	
17439092	5,61458	4,997359	4,936285	5,200365	5,432825	5,406601	5,1827413	5,346597	0,16385567	1,120277131	---	
17230715	7,380378	7,230834	6,955733	7,386192	7,590749	7,081594	7,1889817	7,352845	0,16386333	1,120283085	Hlx	
17297448	4,724109	4,802498	4,609349	4,817052	5,035146	4,775353	4,7119853	4,875850333	0,163865	1,120284379	Usp54 // Usp54	
17201673	4,433026	5,027985	4,162006	4,255151	5,151829	4,70769	4,5410057	4,70489	0,16388433	1,120299392	---	
17468298	7,896325	7,966145	8,015737	8,195297	8,067294	8,10734	7,9594023	8,123310333	0,163908	1,12031777	Exoc6b	
17497643	3,513862	3,591484	3,618161	3,664615	3,85209	3,698635	3,5745023	3,738446667	0,16394433	1,120345985	Olfr530	
17320720	6,83321	6,45335	6,861655	6,858723	6,821455	6,960073	6,7160717	6,880083667	0,164012	1,120398533	Prickle1	
17460685	7,498082	7,62998	7,613617	7,856143	7,640451	7,737199	7,5805597	7,744597667	0,164038	1,120418725	Tpra1	
17496657	6,981785	6,887781	6,988543	7,173392	7,216761	6,960079	6,952703	7,116744	0,164041	1,120421055	Zfp768	
17397288	8,21598	8,09404	7,983115	8,29861	8,239264	8,247428	8,0977117	8,261767333	0,16405567	1,120432445	Gm2011	
17486092	4,449352	4,20249	4,110751	4,636912	4,186319	4,431585	4,2541977	4,418272	0,16407433	1,120446943	Olfr1347	
17300183	3,067753	3,083747	3,216331	3,232178	3,240391	3,387536	3,1226103	3,286701667	0,16409133	1,120460145	---	
17280561	6,284009	6,545269	6,305143	6,392927	6,696614	6,537169	6,3781403	6,542236667	0,16409633	1,120464029	Dus4l	
17532540	8,426381	8,279726	8,313479	8,510223	8,453494	8,548308	8,339862	8,504008333	0,16414633	1,120502862	Fyco1	
17203059	5,852438	5,962663	6,327106	6,314011	5,883517	6,43714	6,0474023	6,211556	0,16415367	1,120508557	---	
17206403	3,126516	4,050132	3,123137	3,647373	3,551675	3,593263	3,4332617	3,597437	0,16417533	1,120525385	---	
17303041	5,867348	5,735362	5,421161	5,929561	5,986792	5,600144	5,6746237	5,838832333	0,16420867	1,120551275	Gm3173	
17438674	4,073326	3,670638	3,823834	3,918457	4,02691	4,115087	3,8559327	4,020151333	0,16421867	1,120559042	4930432K09Rik	
17465238	4,650491	4,606919	4,66119	4,88478	4,746443	4,780075	4,6395333	4,803766	0,16423267	1,120569916	Gpr37	
17265748	7,036207	7,032799	6,921378	7,200653	7,115071	7,167371	6,9967947	7,161031667	0,164237	1,120573282	Aspa	
17515238	8,064967	8,201604	8,271899	8,269014	8,411954	8,350298	8,17949	8,343755333	0,16426533	1,12059529	AB124611	
17474400	7,471091	7,513921	7,5812	7,6906	7,699183	7,669267	7,5220707	7,68635	0,16427933	1,120606164	Sympk	
17210075	6,696112	6,761101	6,549878	6,767239	6,963613	6,769077	6,6690303	6,833309667	0,16427933	1,120606164	---	
17448792	8,574361	8,054497	7,878695	8,151549	8,131111	8,717751	8,1691843	8,333470333	0,164286	1,120611342	---	
17201029	9,282341	9,590203	9,570512	9,200022	9,873076	9,862885	9,4810187	9,645327667	0,164309	1,120629208	---	
17365156	3,57774	3,720363	3,674401	3,937337	3,853524	3,674609	3,6575013	3,821823333	0,164322	1,120639306	4930414N06Rik	
17373605	4,224927	3,870311	4,207631	3,764837	4,563621	4,467441	4,1009563	4,265299667	0,16434333	1,120655877	---	
17272017	7,631186	7,398828	7,61217	7,869529	7,623396	7,642411	7,5473947	7,711778667	0,164384	1,120687466	Gm11702	
17360054	10,51032	10,41031	10,50153	10,71943	10,60403	10,59186	10,474053	10,63844	0,16438667	1,120689538	Sfxn2	
17344698	6,962951	6,705997	6,86934	7,04948	7,065911	6,91622	6,846096	7,010537	0,164441	1,120731745	Rpp21	
17230111	7,465551	7,659352	6,86766	7,232836	7,994625	7,25845	7,3308543	7,495303667	0,16444933	1,120738218	Ifi205	
17305198	5,634003	5,726637	5,420867	5,676772	5,823441	5,774703	5,5938357	5,758305333	0,16446967	1,120754014	Sh2d4b	
17206611	5,047578	4,981642	4,678778	5,652237	4,566511	4,982665	4,902666	5,067137667	0,16447167	1,120755568	---	
17208555	5,796814	6,606006	7,07178	6,582332	6,747356	6,638491	6,4915333	6,656059667	0,16452633	1,120798036	---	
17460578	9,470365	10,03552	9,785215	10,10419	9,989425	9,691199	9,7637	9,928271333	0,16457133	1,120832996	---	
17278840	3,018263	3,288739	3,163729	3,168066	3,434036	3,362455	3,1569103	3,321519	0,16460867	1,120862001	Mir376a	
17293418	3,990798	3,710845	3,435366	4,304631	3,574209	3,752106	3,7123363	3,876982	0,16464567	1,120890748	Cts8	
17451526	6,535744	6,822489	6,938049	6,883506	7,027601	6,879151	6,7654273	6,930086	0,16465867	1,120900848	Kctd10	
17243162	6,784293	6,288489	6,585681	6,736008	6,720757	6,695692	6,552821	6,717485667	0,16466467	1,12090551	Slc39a3	
17305854	3,536445	3,288464	3,844473	3,726683	3,889977	3,546737	3,5564607	3,721132333	0,16467167	1,120910948	---	
17274766	5,868241	5,92353	5,74126	5,939687	6,152276	5,935087	5,8443437	6,009016667	0,164673	1,120911984	Fam110c	
17514892	3,671592	3,802582	3,758522	3,999188	3,875119	3,852478	3,744232	3,908928333	0,16469633	1,120930113	Mbd3l2	
17467384	6,308053	6,616974	5,207777	6,25626	5,863801	6,506937	6,044268	6,208999333	0,16473133	1,120957308	---	
17378314	9,278887	9,385909	9,351724	9,49223	9,554311	9,46425	9,33884	9,503597	0,164757	1,120977251	---	
17393910	7,470842	7,535262	7,537305	7,817055	7,605146	7,615491	7,5144697	7,679230667	0,164761	1,120980359	Chd6	
17502729	6,248299	5,973009	6,134228	6,08763	6,387265	6,37511	6,118512	6,283335	0,164823	1,121028534	Zfp827	
17208781	7,678595	7,949467	7,633153	8,067103	7,872552	7,816056	7,7537383	7,918570333	0,164832	1,121035527	---	
17205525	7,608274	8,13284	8,062225	8,339606	8,087723	7,870684	7,9344463	8,099337667	0,16489133	1,121081633	---	
17263168	3,324419	3,244448	3,227221	3,36812	3,270358	3,652421	3,2653627	3,430299667	0,164937	1,12111712	Olfr224	
17385508	7,567931	7,654264	7,604964	7,766889	7,826055	7,729106	7,609053	7,774016667	0,16496367	1,121137843	Baz2b	
17307709	7,627476	7,621581	7,373067	7,763934	7,713968	7,639133	7,540708	7,705678333	0,16497033	1,121143023	Hmbox1	
17506038	5,447479	5,160803	5,285981	5,86977	5,231039	5,288563	5,2980877	5,463124	0,16503633	1,121194314	---	
17359947	9,605211	9,356133	9,161607	9,652884	9,329844	9,635455	9,374317	9,539394333	0,16507733	1,121226178	---	
17284314	5,119867	4,85053	5,069723	5,299092	5,189764	5,046508	5,0133733	5,178454667	0,16508133	1,121229287	Igh-VJ558 // Igh-VJ558	
17324546	4,260551	4,251022	4,341437	4,260151	4,383526	4,704634	4,2843367	4,449437	0,16510033	1,121244053	Ostn	
17449123	3,044846	3,292828	3,077323	3,365676	3,567576	2,977098	3,1383323	3,30345	0,16511767	1,121257524	---	
17200077	7,574979	7,384624	7,599843	7,881459	7,646642	7,526799	7,5198153	7,684966667	0,16515133	1,12128369	---	
17451504	7,037356	6,906783	7,340157	7,196673	7,412613	7,170535	7,0947653	7,259940333	0,165175	1,121302085	Alkbh2	
17349914	4,853071	4,449229	4,615854	5,010054	4,753936	4,649744	4,6393847	4,804578	0,16519333	1,121316334	Pcdhb14	
17271486	7,545266	7,487861	7,425958	7,562238	7,741764	7,650767	7,4863617	7,651589667	0,165228	1,121343278	Abca5	
17201819	4,677455	4,659682	5,407547	4,829572	5,283837	5,126968	4,9148947	5,080125667	0,165231	1,12134561	---	
17201995	4,677455	4,659682	5,407547	4,829572	5,283837	5,126968	4,9148947	5,080125667	0,165231	1,12134561	---	
17326781	3,538953	4,097761	4,087693	3,715392	3,986383	4,518376	3,9081357	4,073383667	0,165248	1,121358824	---	
17538495	6,123342	6,20104	6,480757	6,401863	6,567233	6,331831	6,2683797	6,433642333	0,16526267	1,121370224	Luzp4	
17507799	4,93126	5,040751	5,222672	5,228137	5,204597	5,257779	5,0648943	5,230171	0,16527667	1,121381105	Angpt2	
17237807	3,502264	3,343398	3,502846	3,726715	3,623354	3,494295	3,4495027	3,614788	0,16528533	1,121387842	4930503E24Rik	
17433166	4,222866	4,51964	4,641071	4,88357	4,473331	4,522532	4,4611923	4,626477667	0,16528533	1,121387842	Ctnnbip1 // Ctnnbip1	
17214711	5,372028	5,504827	5,486804	5,558316	5,743354	5,557863	5,454553	5,619844333	0,16529133	1,121392506	Kcne4	
17372515	8,727894	8,829462	8,644657	8,900761	8,855979	8,941299	8,7340043	8,899346333	0,165342	1,121431889	Itgav	
17365163	8,76189	8,808671	8,694394	8,719151	8,904821	9,137049	8,754985	8,920340333	0,16535533	1,121442253	---	
17486094	5,794275	5,839641	5,93842	6,07449	5,8288	6,165211	5,8574453	6,022833667	0,16538833	1,121467905	Olfr1348	
17494256	3,802748	3,508512	3,324678	3,77411	3,742375	3,615647	3,5453127	3,710710667	0,165398	1,12147542	Olfr64	
17243763	8,979431	9,275187	9,114225	9,341442	9,309923	9,213693	9,1229477	9,288352667	0,165405	1,121480861	Stab2	
17355076	3,855781	3,440181	3,826134	3,743476	3,992812	3,882078	3,7073653	3,872788667	0,16542333	1,121495113	---	
17333079	7,601019	7,817797	7,851772	8,183037	7,807542	7,776676	7,7568627	7,922418333	0,16555567	1,121597988	Brp44l	

17217887	4,125093	4,550267	4,252138	4,605123	4,611725	4,207475	4,309166	4,474774333	0,16560833	1,121638934	4930596I21Rik // 4930596I21Rik
17203791	6,059676	6,162229	6,063665	6,469262	6,035163	6,277972	6,09519	6,260799	0,165609	1,121639452	---
17388261	7,990644	8,05441	8,077365	8,278646	8,243505	8,097115	8,0408063	8,206422	0,16561567	1,121644635	Atg13
17406165	3,550906	3,535062	3,208089	3,583486	3,695102	3,512337	3,4313523	3,596975	0,16562267	1,121650077	Glrb
17202075	4,039323	4,711726	3,91876	4,310768	4,270546	4,585486	4,2232697	4,388933333	0,16566367	1,121681954	---
17303677	6,766274	6,586039	6,307943	6,808786	6,695422	6,653111	6,5534187	6,719106333	0,16568767	1,121700614	Gm3696 // Gm3696
17235011	10,81565	10,72173	10,83412	10,82599	11,25127	10,79134	10,7905	10,9562	0,1657	1,121710203	Elane
17414900	5,463936	5,387681	5,095591	5,432592	5,54103	5,470742	5,315736	5,481454667	0,16571867	1,121724717	Gm428
17208457	7,01523	7,25247	7,269216	7,403326	7,342783	7,288053	7,178972	7,344720667	0,16574867	1,121748043	---
17511310	6,932677	6,744071	6,54803	6,949105	7,05319	6,719803	6,7415927	6,907366	0,16577333	1,121767222	Zfp791
17356002	8,506463	8,614797	8,502398	8,678008	8,704541	8,73843	8,5412193	8,706993	0,16577367	1,121767481	Unc93b1
17492406	5,792521	5,296817	5,962194	5,924878	5,613607	6,010397	5,683844	5,849627333	0,16578333	1,121774998	Plin1
17207003	7,684691	7,718796	8,065424	8,145858	8,258739	7,56172	7,8229703	7,988772333	0,165802	1,121789512	---
17202581	6,501423	6,893845	6,841808	6,88057	6,892942	6,961139	6,745692	6,911550333	0,16585833	1,121833316	---
17312567	5,743037	5,673396	5,162353	5,558472	5,98697	5,53093	5,526262	5,692124	0,165862	1,121836167	Gpt
17526654	5,227121	4,715886	4,943264	5,216419	4,967454	5,199988	4,9620903	5,127953667	0,16586333	1,121837204	4930448E22Rik
17271158	5,797469	5,999042	5,520121	5,961444	5,732761	6,120124	5,7722107	5,938109667	0,165899	1,121864938	Cacng5
17385753	5,235957	5,148361	5,232286	5,352311	5,447755	5,314251	5,2055347	5,371439	0,16590433	1,121869086	---
17448150	3,755465	3,550878	3,604269	3,860492	3,963685	3,584183	3,6368707	3,802786667	0,165916	1,121878158	4932441J04Rik
17494842	4,341795	4,404192	4,509517	4,382329	5,010684	4,360269	4,4185013	4,584427333	0,165926	1,121885934	Lmo1
17467203	3,203221	3,036805	3,357699	3,262732	3,464561	3,368217	3,1992417	3,36517	0,16592833	1,121887749	Vmn1r31
17296355	7,163091	7,27045	6,933755	7,041022	7,667907	7,156334	7,122432	7,288421	0,165989	1,121934926	Itga2
17350681	4,474696	4,225762	4,327669	4,443654	4,655938	4,426515	4,342709	4,508702333	0,16599333	1,121938296	---
17255372	8,188448	8,236716	8,292998	8,274673	8,462014	8,479576	8,2393873	8,405421	0,16603367	1,121969662	Fam117a
17391834	6,877074	6,934835	6,794956	7,092041	7,161955	6,850973	6,868955	7,034989667	0,16603467	1,12197044	Siglec1
17524722	3,505008	3,612036	3,967063	3,88767	3,93577	3,75881	3,6947023	3,86075	0,16604767	1,12198055	Mir199a-1
17202223	4,687037	5,78086	5,02042	5,33566	4,800771	5,850122	5,1627723	5,328851	0,16607867	1,122004659	---
17363925	4,612393	4,441189	4,948895	5,105329	4,854043	4,541353	4,6674923	4,833575	0,16608267	1,12200777	8430431K14Rik
17203349	5,256542	5,104021	5,438787	5,309906	5,650128	5,337729	5,26645	5,432587667	0,16613767	1,122050545	---
17402361	7,748028	7,847863	7,603429	7,816532	8,062721	7,818582	7,7331067	7,899278333	0,16617167	1,122076989	Sec24d
17457913	4,386245	3,975678	3,823137	4,399079	4,249478	4,035142	4,0616867	4,227899667	0,166213	1,122109137	Clcn1
17245264	7,213314	7,165818	6,695635	7,06601	7,275594	7,231846	7,0249223	7,19115	0,16622767	1,122120544	Slc35e3
17536230	4,54343	4,407517	4,79171	4,696836	5,117991	4,426515	4,5808857	4,747114	0,16622833	1,122121063	Gm8954
17200295	3,932568	3,609703	3,87149	4,000248	3,677383	4,234875	3,804587	3,970835333	0,16624833	1,122136619	---
17353934	6,394711	6,21806	6,570823	6,569404	6,571194	6,541755	6,3945313	6,560784333	0,166253	1,122140249	1700086O06Rik
17221817	5,137266	5,172081	5,290833	5,349976	5,36023	5,388772	5,20006	5,366326	0,166266	1,12215036	Col19a1
17223353	9,246117	9,243017	9,276182	9,513576	9,438095	9,312538	9,2551053	9,421403	0,16629767	1,122174991	Clk1
17383241	5,35176	5,360064	5,071327	5,284385	5,544384	5,453327	5,2610503	5,427365333	0,166315	1,122188474	Fam163b
17208321	3,924062	3,872915	3,957279	3,80322	4,112525	4,337479	3,9180853	4,084408	0,16632267	1,122194437	---
17399917	3,834816	3,787977	3,622093	4,306484	3,645432	3,792054	3,7482953	3,914656667	0,16636133	1,122224515	2310001H18Rik
17527875	3,894867	4,128635	3,940727	4,051723	4,607577	3,804214	3,9880763	4,154504667	0,16642833	1,122276633	---
17325410	7,827539	7,9686	7,79017	7,921939	8,218612	7,9451	7,862103	8,028550333	0,16644733	1,122291413	Golgb1
17370573	3,478031	4,059349	4,031441	3,882798	4,620858	3,564561	3,8562737	4,022739	0,16646533	1,122305416	---
17204513	4,052884	4,722735	5,408604	5,069232	4,717728	4,896788	4,7280743	4,894582667	0,16650833	1,122338867	---
17266952	11,90608	11,79393	11,71119	11,92547	11,99355	11,99172	11,803733	11,97024667	0,16651333	1,122342757	Ccl9
17273471	3,642426	3,578721	3,779648	3,746309	3,907254	3,846819	3,6669317	3,833460667	0,166529	1,122354944	---
17508373	5,289379	5,458154	5,450549	5,742822	5,599434	5,355464	5,3993607	5,565906667	0,166546	1,12236817	---
17412689	4,801286	4,561959	4,821681	4,840058	4,956956	4,887753	4,7283087	4,894922333	0,16661367	1,122420813	---
17301514	4,822069	4,661385	4,667133	4,928427	4,793988	4,928029	4,7168623	4,883481333	0,166619	1,122424963	---
17308257	7,954287	7,793591	7,849446	8,027555	7,986119	8,083645	7,8657747	8,032439667	0,166665	1,122460752	Sorbs3
17338595	5,375648	4,926428	4,919187	5,24461	5,371312	5,105397	5,0737543	5,240439667	0,16668533	1,122476572	4932415M13Rik
17284349	10,96266	10,64964	10,28733	10,81398	10,67118	10,91455	10,63321	10,79990333	0,16669333	1,122482796	---
17283536	8,489244	8,745033	8,618006	8,891051	8,724882	8,736494	8,6174277	8,784142333	0,16671467	1,122499394	Ddx24
17425597	4,869078	5,177846	5,569544	5,273224	5,362948	5,480449	5,2054893	5,372207	0,16671767	1,122501729	1700042G15Rik
17421332	3,325176	3,420489	3,328087	3,389263	3,517477	3,667228	3,3579173	3,524656	0,16673867	1,122518068	Smarca5-ps
17352697	6,264107	5,985334	6,191645	6,343218	6,375007	6,223091	6,1470287	6,313772	0,16674333	1,122521699	1010001N08Rik
17505826	7,101529	7,153661	7,212074	7,415652	7,241814	7,31004	7,1557547	7,322502	0,16674733	1,122524811	Mon1b
17207797	3,329818	3,712528	3,711567	3,669858	3,718058	3,866255	3,5846377	3,751390333	0,16675267	1,122528961	---
17209627	4,834352	4,438101	4,822372	5,196267	4,764117	4,634717	4,698275	4,865033667	0,16675867	1,122533629	---
17467963	4,155464	3,7824	3,971463	4,032701	4,289119	4,087813	3,9697757	4,136544333	0,16676867	1,12254141	6330415B21Rik
17530699	4,853179	5,028152	5,023927	5,180293	5,118459	5,106858	4,9684193	5,135203333	0,166784	1,122553341	Gpr62
17388008	3,610601	3,137785	3,527699	3,62431	3,262217	3,889938	3,4253617	3,592155	0,16679333	1,122560603	Olfr1259
17550316	3,117029	3,196164	3,136921	3,12971	3,56416	3,256686	3,150038	3,316852	0,166814	1,122576684	---
17520191	3,409602	3,296695	3,418979	3,498826	3,629477	3,497515	3,375092	3,541939333	0,16684733	1,122602621	4930524O08Rik
17432299	6,782308	6,725472	6,757858	7,085499	6,855473	6,825211	6,7552127	6,922061	0,16684833	1,1226034	Dnajc16
17547645	4,951188	5,027069	4,865842	5,363954	5,073878	4,906823	4,948033	5,114885	0,166852	1,122606253	LOC100505199
17336031	4,153934	4,426979	4,947974	4,664066	4,642591	4,72282	4,509629	4,676492333	0,16686333	1,122615072	Zfp799 // Zfp799
17451061	8,375118	8,290438	8,288674	8,460814	8,510605	8,483407	8,3180767	8,484942	0,16686533	1,122616628	Ep400
17350425	4,074343	4,21918	4,554698	4,460757	4,640651	4,247455	4,2827403	4,449621	0,16688067	1,122628559	Gm5095
17535269	2,879253	2,756252	3,162539	3,189692	3,186546	2,922468	2,9326813	3,099568667	0,16688733	1,122633747	1700020N15Rik
17213595	4,975311	4,644849	5,199601	5,006168	5,637153	4,677109	4,9399203	5,10681	0,16688967	1,122635563	---
17333848	3,92513	3,826876	3,664884	3,98897	3,960992	3,967675	3,80563	3,972545667	0,16691567	1,122655795	Vmn1r227
17201075	8,255495	8,611686	8,107123	8,161949	8,624465	8,688695	8,324768	8,491703	0,166935	1,122670839	---
17200897	3,660154	4,615542	4,176122	3,974989	4,082138	4,895597	4,150606	4,317574667	0,16696867	1,122697038	---
17438878	3,572393	3,80479	4,037144	4,047418	3,941033	3,926945	3,8047757	3,971798667	0,167023	1,122739321	---
17275468	3,268245	3,131505	3,403366	3,389118	3,599851	3,315246	3,2677053	3,434738333	0,167033	1,122747103	---
17207715	5,841517	5,805951	5,313679	5,562815	6,224819	5,674632	5,6537157	5,820755333	0,16703967	1,122752292	---
17290601	3,833461	3,586764	3,464691	3,952389	4,197797	3,235879	3,6283053	3,795355	0,16704967	1,122760074	Gm2444
17202441	5,060346	4,926922	4,965783	5,542195	4,800801	5,111213	4,9843503	5,151403	0,16705267	1,122762409	---
17210235	5,757647	5,850734	5,599226	5,856611	5,795814	6,056371	5,735869	5,902932	0,167063	1,12277045	---
17259975	4,000219	4,142449	3,969746	4,107815	4,26278	4,243063	4,0374713	4,204552667	0,16708133	1,122784718	Hormad2
17202237	6,583607	6,593314	6,655071	6,487014	7,046734	6,799515	6,610664	6,777754333	0,16709033	1,122791723	---
17509801	6,239432	5,932539	6,32534	6,225337	6,57793	6,19533	6,1657703	6,332865667	0,16709533	1,122795614	Lzts1
17354698	5,943315	6,024632	6,312183	6,029748	6,527453	6,224258	6,0933767	6,260486333	0,16710967	1,122806769	Cdx1
17202503	6,816272	7,262201	6,97858	7,575758	7,062302	6,920366	7,0190177	7,186142	0,16712433	1,122818184	---
17342008	6,556756	6,685031	5,502018	6,883018	6,377767	5,984416	6,247935	6,415067	0,167132	1,122824151	---
17204589	4,326293	4,305611	4,524847	4,499527	4,397093	4,761628	4,3855837	4,552749333	0,16716567	1,122850353	---
17303368	6,260068	5,834995	5,365709	6,391928	5,455454	6,114913	5,8202573	5,987431667	0,16717433	1,122857098	Gm3002
17264382	5,276426	5,622115	5,622115	5,744347	5,597958	5,679906	5,5068853	5,674070333	0,167185	1,1228654	Wdr16
17241549	4,874863	4,491689	4,804454	5,076933	4,717761	4,877962	4,7236687	4,890885333	0,16721667	1,122890047	---
17476107	8,578734	8,625048	8,506773	8,683611	8,782474	8,746163	8,570185	8,737416	0,167231	1,122901203	Yif1b
17217825	7,351658	7,571229	6,719584	7,363436	7,342636	7,438101	7,214157	7,381391	0,167234	1,122903538	Gm19705
17451668	9,522551	9,524348	9,31703	9,623919	9,596047	9,645687	9,454643	9,621884333	0,16724133	1,122909246	Mlec
17394198	4,502419	4,251626	4,29509	4,453623	4,407478	4,689927	4,3497117	4,517009333	0,16729767	1,122953094	Wfdc6a
17280039	3,545232	3,562763	3,37911	3,309125	3,932039	3,748288	3,4957017	3,663150667	0,167449	1,123070893	---
17238926	8,471697	8,580306	8,578925	8,840117	8,812543	8,480681	8,5436427	8,711113667	0,167471	1,123088019	Syne1
17302636	4,311607	4,768208	4,339783	4,452487	4,825059	4,644515	4,4731993	4,640687	0,16748767	1,123100994	Mir19a
17388099	5,930486	5,656442	5,859999	5,942324	6,056074	5,95105	5,8156423	5,983149333	0,167507	1,123116044	---
17274628	3,690583	3,65696	3,426301	3,735455	3,989287	3,551791	3,5912813	3,758844333	0,167563	1,12315964	Gm4166
17502470	5,130535	5,398999	5,179508	5,314466	5,552007	5,345342	5,2363473	5,403938333	0,167591	1,123181439	Nwd1
17207553	5,836679	5,788062	6,5142	6,180989	5,943625	6,517123	6,0463137	6,213912333	0,16759867	1,123187408	---
17205461	6,74774	6,400929	5,895186	6,578659	6,611905	6,356158	6,3479517	6,515574	0,16762233	1,123205833	---
17221662	8,657228	8,236064	8,458615	8,760984	8,478337	8,615467	8,4506357	8,618262667	0,167627	1,123209467	Tram2
17547755	4,586087	4,429244	4,297448	4,542722	4,523014	4,749946	4,437593	4,605227333	0,16763433	1,123215176	LOC100862130
17405998	4,323134	4,483078	4,196859	4,448359	4,191982	4,865648	4,334357	4,501996333	0,16763933	1,123219069	2410007B07Rik // 2410007B07Rik
17312183	5,506833	5,577019	5,750247	5,676032	5,965069	5,695987	5,6113663	5,779029333	0,167663	1,123237495	Jrk
17239638	7,333602	7,151958	6,850675	7,217464	7,378219	7,243626	7,1120783	7,279769667	0,16769133	1,123259554	Pde7b
17290906	3,48726	3,437486	3,590998	3,480717	3,853156	3,685008	3,505248	3,672960333	0,16771233	1,123275905	Olfr1368
17261517	4,131425	4,423484	4,212435	4,377709	4,738571	4,154251	4,2557813	4,423510333	0,167729	1,123288881	Efcab9
17495404	5,042228	5,077966	4,817141	5,038955	5,30845	5,093122	4,9791117	5,146842333	0,16773067	1,123290179	Rps13
17401514	7,96053	7,932308	7,901156	7,948128	8,217175	8,1321	7,9313313	8,099134333	0,167803	1,1233465	4933421E11Rik
17509035	11,35621	11,26923	11,21532	11,30458	11,51539	11,52422	11,280253	11,44806333	0,16781	1,12335195	F11
17369001	9,187417	9,179239	8,968358	9,182555	9,393294	9,262614	9,1116713	9,279487667	0,16781633	1,123356882	Spna2
17203717	6,133478	6,193517	6,089739	6,833383	5,856566	6,230327	6,1389113	6,306758667	0,16784733	1,12338102	---
17319488	4,396046	4,193632	4,667971	4,714045	4,413609	4,633576	4,4192163	4,587076667	0,16786033	1,123391143	Xpnpep3
17200599	6,504449	6,961326	6,448021	6,992788	7,007278	6,417377	6,637932	6,805814333	0,16788233	1,123408274	---
17538838	9,664189	9,88573	9,667741	9,810874	10,0996	9,810874	9,73922	9,907116	0,167896	1,123418916	---
17405758	3,224407	3,101265	3,24737	3,378737	3,337893	3,360162	3,191014	3,358930667	0,16791667	1,123435009	---
17210701	4,933826	4,438243	4,777349	5,266107	4,52481	4,862284	4,7164727	4,884400333	0,16792767	1,123443575	---
17208633	6,572646	6,436534	6,761229	6,463732	7,061933	6,748535	6,5901363	6,758066667	0,16793033	1,123445651	---
17416234	9,662023	9,509153	9,504252	9,798419	9,705803	9,675128	9,558476	9,72645	0,167974	1,123479656	Ppap2b
17509385	4,757931	4,570737	4,893171	5,039625	4,833905	4,852246	4,740613	4,908592	0,167979	1,123483549	Spata4 // Spata4
17315389	9,820476	9,887816	9,614437	9,690168	9,938521	10,19798	9,774243	9,942223	0,16798	1,123484328	---
17410880	3,732309	3,61009	3,981215	4,007422	3,930887	3,88939	3,774538	3,942566333	0,16802833	1,123521968	Clca4
17203389	6,620628	6,235427	6,101975	6,798268	6,610958	6,053039	6,3193433	6,487421667	0,16807833	1,123560907	---
17288160	5,829628	5,876135	6,044509	5,856338	6,388975	6,009199	5,9167573	6,084837333	0,16808	1,123562205	Cdk20
17245923	9,05311	9,189326	9,013641	9,193277	9,323397	9,243657	9,085359	9,253443667	0,16808467	1,123565839	Lrp1
17305407	7,383068	6,793847	6,199495	7,105397	6,691978	7,083474	6,7921367	6,960283	0,16814633	1,123613866	---
17353585	9,045457	8,785103	8,95067	9,120886	9,154849	9,009939	8,9270767	9,095224667	0,168148	1,123615164	Sil1
17316754	6,566064	6,46312	6,355778	6,619859	6,690285	6,57937	6,461654	6,629838	0,168184	1,123643202	Lrp12
17434657	4,413381	4,385652	4,339233	4,661061	4,350001	4,631978	4,379422	4,54768	0,168258	1,123700839	Gm6455
17348618	4,097487	3,765642	4,027647	4,169625	4,031876	4,194108	3,963592	4,131869667	0,16827767	1,123716157	Hrh4
17505881	6,039508	6,099294	6,246952	6,346076	6,284435	6,260204	6,1285847	6,296905	0,16832033	1,123749391	Wwox
17336213	7,128729	7,267366	7,089021	7,476095	7,187521	7,326669	7,1617053	7,330095	0,16838967	1,123803397	Daxx

17398970	7,724137	7,45123	7,626512	7,783391	7,696647	7,827131	7,6006263	7,769056333	0,16843	1,123834816	Mef2d
17461411	3,963334	4,307754	4,129941	4,145009	4,171771	4,589703	4,1336763	4,302161	0,16848467	1,123877401	---
17480513	3,299546	3,169225	3,099479	3,398063	3,530271	3,145403	3,1894167	3,357912333	0,16849567	1,12388597	---
17334576	4,502491	4,505494	4,924363	4,6435	4,90018	4,894176	4,644116	4,812618667	0,16850267	1,123891423	Ccdc154
17328482	4,600467	4,609161	4,696481	4,717294	4,756122	4,938216	4,6353697	4,803877333	0,16850767	1,123895318	---
17379460	5,20065	5,542721	5,230373	5,653536	5,293658	5,532125	5,3245813	5,493106333	0,168525	1,123908822	Wfdc2
17314998	5,625162	5,852596	5,530679	5,870379	6,018818	5,624926	5,669479	5,838041	0,168562	1,123937646	---
17457800	4,990831	5,369707	4,966786	5,553838	5,420955	4,858273	5,109108	5,277688667	0,16858067	1,123952189	---
17493216	4,765682	4,719112	4,739753	4,967235	4,900044	4,863019	4,7415157	4,910099333	0,16858367	1,123954526	Me3
17532694	6,516422	6,847657	6,204912	6,784986	6,811763	6,478061	6,522997	6,691603333	0,16860633	1,123972185	Pisd-ps3
17266754	4,651189	4,880691	5,099922	5,26446	4,899631	4,973723	4,8772673	5,045938	0,16867067	1,124022307	Ccl1
17201113	5,819398	6,196929	5,834241	5,88461	5,787106	6,684864	5,9501893	6,11886	0,16867067	1,124022307	---
17540455	5,979835	5,536186	5,916705	6,020244	6,125944	5,792689	5,8109087	5,979625667	0,168717	1,124058406	Gm14636
17246388	4,029177	4,468496	4,094964	4,254546	4,383166	4,461223	4,1975457	4,366311667	0,168766	1,124096585	Olfr765
17207083	6,642434	5,093938	5,85554	6,231876	6,373768	5,492615	5,8639707	6,032753	0,16878233	1,124109311	---
17473061	8,488647	8,445523	8,402003	8,562491	8,736069	8,543961	8,445391	8,614173667	0,16878267	1,124109571	Dennd5b
17209655	4,221156	4,402463	4,367855	4,687506	4,40178	4,408575	4,3304913	4,499287	0,16879567	1,1241197	---
17207225	6,957409	7,089332	6,179723	6,85526	6,799283	7,078321	6,7421547	6,910954667	0,1688	1,124123076	---
17366338	7,817275	8,108836	7,999294	8,046906	8,200113	8,1848	7,975135	8,143939667	0,16880467	1,124126713	LOC100039029
17322309	5,086478	4,906999	4,836518	4,914186	5,298553	5,123689	4,9433317	5,112142667	0,168811	1,124131647	Hotair
17469786	5,298574	5,73633	5,523479	5,558745	5,702494	5,80372	5,519461	5,688319667	0,16885867	1,124168789	---
17261931	3,747451	3,930301	3,842814	4,092318	4,091127	3,843814	3,8401887	4,009086333	0,16889767	1,124199179	---
17420166	5,739208	5,784253	5,846198	5,747786	6,228972	5,899755	5,7898863	5,958837667	0,16895133	1,124240999	1700013G24Rik
17347505	7,890075	7,762912	7,612791	8,049605	7,852158	7,870916	7,7552593	7,924226333	0,168967	1,124253207	Dhx57
17355788	4,684332	4,590762	5,137393	5,157038	4,913502	4,848886	4,8041623	4,973142	0,16897967	1,124263078	---
17330135	9,521754	9,548377	9,393609	9,559679	9,600305	9,810873	9,4879133	9,656952333	0,169039	1,124309317	Fam162a
17280640	4,969184	4,943396	5,148633	5,109941	5,017353	5,44107	5,0204043	5,189454667	0,16905033	1,124318149	Cdhr3
17439052	4,243093	4,269532	4,129752	4,123727	4,418277	4,607544	4,2141257	4,383182667	0,169057	1,124323344	---
17203343	5,946522	6,33977	6,889757	6,219387	6,589448	6,874542	6,3920163	6,561125667	0,16910933	1,124364129	---
17371969	4,146743	4,51308	4,288352	4,405061	4,660742	4,389778	4,3160583	4,485193667	0,16913533	1,124384393	Sp9
17210329	6,67968	7,125239	6,744416	7,183357	7,12271	6,750753	6,8497783	7,01894	0,16916167	1,124404916	---
17209789	4,101546	4,581135	4,660786	4,928836	4,519685	4,402432	4,4478223	4,616984333	0,169162	1,124405176	---
17540140	5,132935	5,05008	5,011956	5,382586	5,241523	5,07842	5,0649903	5,234176333	0,169186	1,124423881	Gm5635
17307736	5,050605	4,71336	5,172951	5,224923	5,303421	4,916375	4,978972	5,148239667	0,16926767	1,124487533	---
17506775	5,300652	5,228122	5,34549	5,436742	5,65422	5,291115	5,2914213	5,460692333	0,169271	1,124490131	Capn9
17214722	7,292747	6,986893	7,294725	7,288522	7,499982	7,293736	7,191455	7,360746667	0,16929167	1,12450624	Mrpl44
17448458	4,974538	5,051469	5,101379	5,131516	5,194045	5,309742	5,042462	5,211767667	0,16930567	1,124517152	Phox2b
17494277	2,928569	2,998801	3,305961	3,400339	3,111506	3,229409	3,077777	3,247084667	0,16930767	1,124518711	Olfr643
17274249	11,66121	11,50154	11,48496	11,68575	11,79016	11,67973	11,549237	11,71854667	0,16931	1,12452053	Pdia6
17315536	4,469732	4,442584	4,537733	4,745724	4,578373	4,634042	4,4833497	4,652713	0,16936333	1,124562102	Mir615
17410578	5,532686	5,372797	5,707156	5,644137	5,752008	5,724601	5,5375463	5,706915333	0,169369	1,124566519	Gm16500
17231611	4,845001	4,3034	5,519076	5,166525	5,215812	4,793279	4,889159	5,058538667	0,16937967	1,124574833	---
17467415	4,02482	4,068911	3,607036	4,188098	4,07558	3,945364	3,9002557	4,069680667	0,169425	1,124610171	---
17332645	7,421053	7,531646	7,578082	7,495084	7,738227	7,805771	7,5102603	7,679694	0,16943367	1,124616927	Zfp295
17404997	6,596564	6,857488	6,790594	6,744182	6,799033	7,20975	6,7482153	6,917655	0,16943967	1,124621604	6430590A07Rik // 6430590A07Rik
17474783	3,839182	3,99086	2,936712	3,982905	3,533859	3,758399	3,588918	3,758387667	0,16946967	1,12464499	Vmn1r143
17270542	3,514985	3,46877	3,40475	3,535717	3,700794	3,660443	3,462835	3,632318	0,169483	1,124655384	Gm884
17220529	6,317448	6,045221	6,235691	6,428585	6,226658	6,451573	6,1994533	6,368938667	0,16948533	1,124657203	Mir194-1
17473127	8,248517	8,214965	8,290716	8,528196	8,359637	8,374975	8,2513993	8,420936	0,16953667	1,124697221	Myadm
17393894	3,912523	4,15531	4,279631	4,208846	4,459865	4,18743	4,1158213	4,285380333	0,169559	1,124714632	---
17502970	5,771356	5,903403	5,829726	5,90001	6,179583	5,933635	5,8348283	6,004409333	0,169581	1,124731783	Ptger1
17280247	5,768735	5,961757	5,664937	5,879615	5,897779	6,126822	5,7984763	5,968072	0,16959567	1,124743217	9030624G23Rik // 9030624G23Rik
17525803	5,653471	5,442995	5,886732	5,902483	5,802077	5,787428	5,661066	5,830662667	0,16959667	1,124743997	Gramd1b
17548773	4,016406	4,187977	4,125752	4,160282	4,328763	4,349932	4,110045	4,279659	0,169614	1,12475751	LOC100862290
17466760	4,997173	4,675735	5,046583	5,01379	5,136147	5,078411	4,906497	5,076116	0,169619	1,124761408	---
17378848	6,275014	6,047947	6,402238	6,373632	6,45926	6,401248	6,241733	6,41138	0,169647	1,124783238	Snhg11
17406921	5,70817	6,601422	6,582203	6,549441	6,022686	6,828697	6,297265	6,466941333	0,16967633	1,124806108	---
17405062	5,105198	4,89599	5,150896	5,25454	5,149021	5,257607	5,0506947	5,220389333	0,16969467	1,124820401	Pabpc4l
17205373	5,239413	5,529281	5,620348	5,633988	5,840579	5,423569	5,463014	5,632712	0,169698	1,124823	---
17234024	5,671964	5,33801	5,696212	5,954051	5,733367	5,52792	5,5687287	5,738446	0,16971733	1,124838074	Rtkn2
17330472	3,812055	3,957129	4,346232	4,425834	4,033628	4,165163	4,038472	4,208208333	0,16973633	1,124852888	LOC626693
17418589	4,89959	4,75937	4,798776	4,963562	5,256057	4,747353	4,8192453	4,988990667	0,16974533	1,124859905	Tekt2 // Tekt2
17234744	5,495109	5,386877	5,495081	5,640645	5,646593	5,599082	5,4590223	5,628773333	0,169751	1,124864323	1700009J07Rik
17474574	5,101345	4,858746	4,876142	5,010665	5,214836	5,119996	4,945411	5,115165667	0,16975467	1,124867182	Ppp1r13l
17228860	9,039966	8,986125	9,187294	9,236781	9,277369	9,208511	9,0711283	9,240887	0,16975867	1,124870301	Aph1a // Aph1a
17446185	8,511614	8,84494	8,691984	8,832438	8,937157	8,788252	8,682846	8,852615667	0,16976967	1,124878878	Fastk
17214924	5,427683	5,884844	5,361647	5,479745	6,106478	5,597364	5,558058	5,727862333	0,16980433	1,124905908	Sp140
17276323	3,488924	3,360477	3,696032	3,730599	3,735701	3,588562	3,5151443	3,684954	0,16980967	1,124910067	Gm8075
17421928	7,760936	7,671862	7,984159	8,094767	7,978143	7,853508	7,8056523	7,975472667	0,16982033	1,124918384	Rere
17217415	5,899096	5,821331	6,056665	5,991062	6,174786	6,12079	5,9256973	6,095546	0,16984867	1,124940476	Mybph
17280806	5,757016	5,929845	6,094841	6,081984	6,126469	6,082824	5,927234	6,097092333	0,16985833	1,124948014	Arl4a
17429930	6,476089	6,229519	6,474054	6,549405	6,688321	6,451573	6,3932207	6,563099667	0,169879	1,124964129	---
17404122	8,15602	7,981215	7,781163	8,070065	8,152737	8,2053	7,9727993	8,142700667	0,16990133	1,124981544	Slc10a5
17431206	3,806177	3,839632	3,609703	3,852692	3,907685	4,004891	3,7518373	3,921756	0,16991867	1,12499506	Gm7534
17382136	4,57139	4,716183	4,654211	4,920976	4,881758	4,64883	4,6472613	4,817188	0,16992667	1,125001299	---
17459621	10,18837	9,967992	9,989791	10,10261	10,27112	10,28236	10,048718	10,21869667	0,169979	1,125042108	Tmem150a
17550703	3,864108	3,455161	3,931633	3,684484	4,081588	3,994832	3,7503007	3,920301333	0,17000067	1,125059005	---
17203571	5,601405	4,911837	5,874921	4,91364	6,05418	5,930415	5,462721	5,632745	0,170024	1,125077201	---
17476125	5,946187	6,028036	6,264392	6,119845	6,491237	6,137664	6,0795383	6,249582	0,17004367	1,125092538	Dpf1
17388074	7,162974	7,126901	7,086681	7,288892	7,283509	7,314539	7,1255187	7,295646667	0,170128	1,125158307	Ndufs3
17204161	3,114727	3,456478	3,300362	3,545193	3,800691	3,036088	3,2905223	3,460657333	0,170135	1,125163767	---
17203735	3,754048	4,148162	4,061583	4,439921	4,043803	3,990493	3,987931	4,158072333	0,17014133	1,125168706	---
17435348	6,607608	6,710387	6,728172	7,102579	6,713025	6,741016	6,6820557	6,852206667	0,170151	1,125176245	Slc4a2
17239773	4,757454	4,973726	5,1339	5,412451	4,888436	5,07466	4,9550267	5,125182333	0,17015567	1,125179885	Ctgf
17372886	4,461205	4,226181	4,240873	4,294213	4,687006	4,457635	4,3094197	4,479618	0,17019833	1,125213162	Olfr1148
17541227	4,465435	4,607217	4,806427	4,696836	5,04621	4,646641	4,6263597	4,796562333	0,17020267	1,125216542	---
17506073	6,871119	7,073407	7,284882	7,270317	7,397821	7,071881	7,0764693	7,246673	0,17020367	1,125217322	Mlycd
17210643	4,999047	4,844381	4,948411	5,708144	4,853999	4,740326	4,930613	5,100823	0,17021	1,125222261	---
17498039	3,007346	2,958004	3,282931	3,182143	3,192239	3,384597	3,0827603	3,252993	0,17023267	1,12523994	---
17201097	9,235291	9,349626	9,03651	9,136179	9,54677	9,449188	9,2071423	9,377379	0,17023667	1,12524306	---
17279509	8,209076	8,110899	8,398845	8,24834	8,438761	8,542439	8,2396067	8,409846667	0,17024	1,12524566	Crip1
17550014	5,274072	5,206684	5,109964	5,286576	5,578857	5,236197	5,1969067	5,36721	0,17030333	1,125295058	---
17484573	3,929518	3,532703	3,489956	3,942274	3,939775	3,581115	3,6507257	3,821054667	0,170329	1,125315078	Olfr53
17398755	5,900965	5,557262	5,837121	5,991054	5,932264	5,883162	5,765116	5,935493333	0,17037733	1,125352779	Fcrl5 // Fcrl5
17334275	5,816885	5,988748	6,014252	6,08239	6,141086	6,107542	5,9399617	6,110339333	0,17037767	1,125353039	Caskin1
17204773	5,724314	6,048882	6,251347	6,405771	6,339475	5,790666	6,008181	6,178637333	0,17045633	1,125414404	---
17268120	8,016321	7,887276	7,646501	7,974773	7,879208	8,207495	7,8500327	8,020492	0,17045933	1,125416744	Pdk2
17527808	6,837732	7,150857	6,828911	7,180459	6,93491	7,213527	6,9391667	7,109632	0,17046533	1,125421425	Gm20199
17238932	8,759282	8,910172	8,626555	8,998258	8,996253	8,81306	8,7653363	8,935857	0,17052067	1,12546459	Syne1
17457745	5,667958	5,532015	5,603754	6,317201	5,441254	5,556903	5,6012423	5,771786	0,17054367	1,125482533	Gm5771
17506042	5,287203	5,640226	5,406258	5,757054	5,583356	5,505074	5,4445623	5,615161333	0,170599	1,125525701	Cdh13
17381110	3,416927	3,524695	3,317117	3,534454	3,748016	3,488106	3,4195797	3,590192	0,17061233	1,125536103	---
17266771	2,657711	2,99593	2,88944	2,946133	3,185199	2,92361	2,8476937	3,018314	0,17062033	1,125542344	---
17379757	5,427483	4,900521	5,122736	5,397009	5,340667	5,224949	5,1502467	5,320875	0,17062833	1,125548585	---
17282611	8,94993	9,211957	9,047724	9,246031	9,341848	9,133928	9,0698703	9,240602333	0,170732	1,125629466	1110018G07Rik
17404750	8,390995	8,238925	8,169024	8,334856	8,484298	8,492231	8,2663147	8,437128333	0,17081367	1,125693186	Mccc1
17494649	6,258059	7,13015	5,789514	6,727121	6,690284	6,27277	6,3925743	6,563391667	0,17081733	1,125696047	Gm17757 // Gm17757 // Gm17757 // Gı
17364932	10,32761	10,05557	10,05206	10,0957	10,2995	10,55256	10,14508	10,31592	0,17084	1,125713734	Got1
17528934	4,193266	4,246861	4,151706	4,443439	4,330867	4,330093	4,1972777	4,368133	0,17085533	1,125725698	Tinag
17450049	6,145926	6,038384	6,149011	6,223004	6,249479	6,37342	6,1111107	6,281967667	0,17086067	1,12572986	Tmem150c
17278694	5,620316	5,731294	6,041596	6,147789	5,817389	5,940679	5,7977353	5,968619	0,17088367	1,125747807	Mir540
17539820	4,114642	3,782017	3,951445	4,006493	4,136579	4,217763	3,949368	4,120278333	0,17091033	1,125768615	Mir501
17520085	7,492149	7,419776	7,543904	7,789177	7,723253	7,456211	7,4852763	7,656213667	0,17093733	1,125789684	Zfp949
17407489	4,973976	3,944948	4,361506	4,857008	4,538917	4,397328	4,42681	4,597751	0,170941	1,125792545	Lce3a
17460762	3,677443	3,91194	3,84419	4,11722	3,999826	3,829355	3,811191	3,982133667	0,17094267	1,125793846	Vmn1r51
17367020	6,957607	6,718317	6,699753	7,173307	6,866035	6,849192	6,7918923	6,962844667	0,17095233	1,125801389	Ankrd16
17387131	8,236496	8,237781	8,139503	8,52635	8,171468	8,428824	8,2045933	8,375547333	0,170954	1,12580269	Ccdc141
17429821	3,341778	3,295998	3,312558	3,519122	3,273551	3,670598	3,316778	3,487757	0,170979	1,125822198	---
17326264	3,823097	3,872758	3,926276	3,970867	4,199189	3,965014	3,8740437	4,045023333	0,17097967	1,125822719	---
17499946	7,245382	7,146863	7,36766	7,620929	7,369361	7,282601	7,2533017	7,424297	0,17099533	1,125834944	---
17431667	4,938256	5,136714	5,214698	5,239986	5,263282	5,299456	5,096556	5,267574667	0,17101867	1,125853153	Gm13003
17517132	6,633525	6,663275	6,736847	6,850861	7,017051	6,678883	6,6778823	6,848931667	0,17104933	1,125877085	Cryab
17498878	3,040098	3,153102	2,969072	2,997209	3,41135	3,266963	3,0540907	3,225174	0,17108333	1,125903619	---
17448794	7,908023	7,866383	8,040866	8,124234	8,053592	8,150704	7,938424	8,10951	0,171086	1,1259057	---
17480829	6,949649	7,169239	7,224122	7,179871	7,299579	7,376859	7,1143367	7,285436333	0,17109967	1,125916366	Arap1
17437556	5,458374	5,404378	5,33737	5,439643	5,675104	5,598768	5,4000407	5,571171667	0,171131	1,125940819	---
17509171	10,29809	10,08005	9,994703	10,20021	10,32349	10,36277	10,124281	10,29549	0,171209	1,126001696	Slc25a4
17246674	6,181798	6,142199	6,338175	6,454067	6,432727	6,289028	6,220724	6,391940667	0,17121667	1,126007679	Dusp18
17495088	10,07308	10,06253	9,913061	10,17766	10,23708	10,14763	10,016224	10,18745667	0,171233	1,126020427	Rnf141
17362831	5,625515	6,097051	6,127482	6,013898	6,200449	6,149493	5,950016	6,12128	0,171264	1,126044623	Ccdc86
17547647	3,913001	4,107379	3,927459	4,034037	4,493671	3,933938	3,982613	4,153882	0,171269	1,126048526	Gm9241 // Gm9241
17400802	9,915415	9,803734	9,973011	10,10899	10,16354	9,933477	9,8973867	10,068669	0,17128233	1,126058933	---
17531342	4,380251	3,482448	4,353528	4,869356	3,749819	4,110911	4,0720757	4,243362	0,17128633	1,126062055	Fbxw28
17292509	6,470586	6,724606	6,580627	6,605688	6,799442	6,884579	6,5919397	6,763236333	0,17129667	1,12607012	Gm906

17476571	5,162446	5,18886	5,288486	5,075539	5,428707	5,649446	5,213264	5,384564	0,1713	1,126072722	Fam187b
17454082	7,013302	7,215338	7,252403	7,35904	7,233377	7,40254	7,1603477	7,331652333	0,17130467	1,126076365	Pcolce
17224629	5,905488	6,264618	6,164458	6,252613	6,213887	6,382042	6,1115213	6,282847333	0,171326	1,126093016	Obsl1
17240971	5,096202	4,973596	5,105897	5,275864	5,124822	5,289035	5,058565	5,229907	0,171342	1,126105505	Edar
17205557	5,94161	6,310295	6,05591	6,423032	5,940929	6,457896	6,102605	6,273952333	0,17134733	1,126109668	---
17328742	5,096002	5,199926	4,991485	5,278368	5,052357	5,470761	5,0958043	5,267162	0,17135767	1,126117734	Slc7a4
17498514	6,865277	7,001351	6,991328	7,122116	7,160298	7,089641	6,952652	7,124018333	0,17136633	1,126124499	Tpcn2
17332447	8,932789	8,884663	8,941357	9,132696	9,157785	8,982515	8,919603	9,090998667	0,17139567	1,126147396	Hmgn1
17246822	5,542477	4,981475	4,96788	5,357094	4,997157	5,651827	5,163944	5,335359333	0,17141533	1,126162747	---
17228788	5,65502	5,972155	5,924267	5,979973	6,053607	6,032112	5,8504807	6,021897333	0,17141667	1,126163788	Mir1927 // Mir1927
17335579	8,472935	8,768932	8,451263	8,726648	8,722004	8,758829	8,5643767	8,735827	0,17145033	1,126190068	Ftsjd2
17418141	5,528493	5,59842	5,798842	5,87211	5,834785	5,73347	5,6419183	5,813455	0,17153667	1,126257464	Bmp8b
17306758	7,484006	7,497994	7,576616	7,760721	7,627249	7,685308	7,5195387	7,691092667	0,171554	1,126270995	Tm9sf1
17247642	3,986013	3,872554	3,877839	3,876812	4,026319	4,347953	3,9121353	4,083694667	0,17155933	1,126275159	---
17343426	6,43782	6,225048	6,458571	6,541865	6,485996	6,608295	6,373813	6,545385333	0,17157233	1,126285308	Rasal3
17501855	5,159255	5,227139	5,460086	5,498877	5,463439	5,398976	5,28216	5,453764	0,171604	1,126310029	Sugp2
17325979	7,021842	6,69996	6,139112	6,84974	6,729964	6,796079	6,6203047	6,791927667	0,171623	1,126324863	Gcet2
17427141	5,310565	5,187352	5,44165	5,379887	5,658608	5,416055	5,313189	5,48485	0,171661	1,12635453	Gm12606
17544725	7,061629	6,909214	6,803657	7,099896	7,00024	7,189371	6,9248333	7,096502333	0,171669	1,126360776	Tceal5
17232043	4,937726	4,627252	5,032251	5,242908	4,967657	4,901725	4,865743	5,03743	0,171687	1,126374829	1700020N01Rik
17208431	6,452579	6,109602	5,947849	6,569886	6,038132	6,417078	6,17001	6,341698667	0,17168867	1,12637613	---
17231475	4,325134	4,242421	4,583853	5,119833	4,161777	4,384973	4,3838027	4,555527667	0,171725	1,126404498	---
17246110	5,22048	5,371209	5,58614	5,358745	5,743615	5,590651	5,3926097	5,564337	0,17172733	1,12640632	---
17406247	8,995292	9,134701	9,036098	8,929201	9,431728	9,320545	9,0553637	9,227158	0,17179433	1,126458632	Lrat
17520326	5,094392	4,925155	4,932209	5,143334	5,143391	5,180517	4,9839187	5,155747333	0,17182867	1,12648544	Plscr2
17354810	6,326066	6,504218	6,342055	6,505343	6,722656	6,459874	6,3907797	6,562624333	0,17184467	1,126497933	Afap1l1
17376535	5,035065	5,253738	5,324589	5,431359	5,37541	5,321162	5,204464	5,376310333	0,17184633	1,126499235	Adra1d // Adra1d
17293996	7,179774	6,953136	7,098293	7,062866	7,27539	7,408621	7,0770677	7,248959	0,17189133	1,126534372	Zfp87
17492838	6,937511	7,142516	7,105471	7,158236	7,219627	7,323431	7,0618327	7,233764667	0,171932	1,126566128	3110040N11Rik
17550398	5,200727	5,035347	5,189621	5,189621	5,43368	5,318246	5,1418983	5,313849	0,17195067	1,126580704	---
17205039	4,342769	3,841595	3,579777	4,710984	3,638009	3,931065	3,9213803	4,093352667	0,17197233	1,126597623	---
17209229	4,342769	3,841595	3,579777	4,710984	3,638009	3,931065	3,9213803	4,093352667	0,17197233	1,126597623	---
17233644	11,28678	11,61449	11,38507	11,63357	11,72413	11,4446	11,42878	11,60076667	0,17198667	1,126608816	---
17448106	4,508748	4,167202	4,503624	4,444933	4,779495	4,471145	4,3931913	4,565191	0,17199967	1,126618968	Sel1l3
17492417	6,37916	6,64666	6,542793	6,691727	6,813011	6,579971	6,522871	6,694903	0,172032	1,126644218	Pex11a
17210405	2,943738	3,155444	2,719831	2,630475	3,033021	3,671679	2,939671	3,111725	0,172054	1,126661399	---
17489470	7,733278	7,852357	7,959546	8,099648	7,9555	8,006248	7,8483937	8,020465333	0,17207167	1,126675195	Gramd1a
17396226	3,737489	3,608164	3,84776	3,891202	3,798158	4,020339	3,7311377	3,903233	0,17209533	1,126693678	---
17209205	4,265069	3,746997	3,584121	3,686728	4,193248	4,232766	3,8653957	4,037580667	0,172185	1,126763707	---
17280144	5,0868	4,671732	5,079698	5,313067	5,114318	4,927435	4,9460767	5,118273333	0,17219667	1,126772819	Kcnf1
17537581	4,014251	4,3146	3,987775	3,894573	4,578785	4,359874	4,105542	4,277744	0,172202	1,126776984	Tnmd
17456839	3,913743	3,884251	3,726007	3,940979	3,911955	4,18775	3,8413337	4,013561333	0,17222767	1,12679703	---
17363749	4,124045	4,167399	4,196585	4,502978	4,304417	4,197393	4,1626763	4,334929333	0,172253	1,126816817	4933413C19Rik
17203951	7,152023	7,026843	7,369884	7,530717	7,608642	6,92617	7,1829167	7,355176333	0,17225967	1,126822024	---
17400682	4,069171	4,151539	4,090647	4,130671	4,398292	4,299206	4,1037857	4,276056333	0,17227067	1,126830615	Ankrd35
17213804	3,354538	3,293534	3,438846	3,296992	3,694778	3,612155	3,362306	3,534641667	0,17233567	1,126881385	---
17465059	5,741764	5,578094	6,138629	5,901504	6,001027	6,073126	5,8194957	5,991885667	0,17239	1,126923826	A430107O13Rik // A430107O13Rik
17333966	8,52267	8,415565	8,376723	8,622741	8,716911	8,49251	8,4383193	8,610720667	0,17240133	1,126932678	Zfp760
17550384	4,059599	3,941258	4,249692	4,437116	4,286818	4,043822	4,0835163	4,255918667	0,17240233	1,12693346	---
17356958	4,480974	4,626226	4,616746	4,36307	5,049348	4,828851	4,5746487	4,747089667	0,172441	1,126963664	---
17361663	7,901353	7,847621	7,816074	7,977501	8,200684	7,904234	7,855016	8,027473	0,172457	1,126976162	Kat5
17442149	9,392169	9,540033	9,179781	9,471158	9,603381	9,554867	9,370661	9,543135333	0,17247433	1,126989702	P2rx4
17253674	8,579505	8,661746	8,58037	8,808506	8,677959	8,85259	8,607207	8,779685	0,172478	1,126992567	Poldip2
17472924	5,75137	5,817191	5,214423	5,74176	5,593799	5,964928	5,594328	5,766829	0,172501	1,127010534	---
17521996	10,13509	10,22927	10,152	10,23236	10,41508	10,38651	10,17212	10,34465	0,17253	1,127033188	Uqcrc1
17403126	11,06767	11,09784	10,96775	11,15651	11,19315	11,30126	11,04442	11,21697333	0,17255333	1,127051417	Adh5
17407272	8,299566	8,288487	8,111712	8,452548	8,34504	8,419869	8,233255	8,405819	0,172564	1,127059749	Ints3
17330943	3,310218	3,383512	3,265941	3,627921	3,51	3,339543	3,3198903	3,492488	0,17259767	1,127086051	---
17448750	7,329618	6,267233	7,744981	7,496029	6,526515	7,83724	7,113944	7,286594667	0,17265067	1,127127457	---
17446035	5,055542	5,176809	5,156285	5,387729	5,225969	5,292899	5,1295453	5,302199	0,17265367	1,127129801	---
17210181	6,367408	6,360451	6,415577	6,670194	6,566815	6,424535	6,3811453	6,553848	0,17270267	1,127168084	---
17329860	5,023217	5,559257	5,331149	5,515538	5,588152	5,328219	5,304541	5,477303	0,172762	1,127214441	Gm10818
17203657	6,692176	6,547788	6,203788	6,684422	6,627245	6,650494	6,4812507	6,654053667	0,172803	1,127246476	---
17466908	10,60164	10,34504	10,31562	10,55637	10,56938	10,65498	10,420767	10,59357667	0,17281	1,127251946	Hibadh
17284512	3,576896	3,800986	3,9607	3,800048	4,40516	3,651848	3,7795273	3,952352	0,17282467	1,127263405	---
17206815	4,935691	5,154539	4,965569	5,33786	5,446606	4,789861	5,0185997	5,191442333	0,17284267	1,12727747	---
17506707	5,561269	5,489621	5,434044	5,537612	5,624024	5,84197	5,494978	5,667868667	0,17289067	1,127314976	Rab4a
17205239	5,059932	4,87584	4,803957	5,393332	4,79959	5,065703	4,913243	5,086208333	0,17296533	1,127373322	---
17209429	5,059932	4,87584	4,803957	5,393332	4,79959	5,065703	4,913243	5,086208333	0,17296533	1,127373322	---
17339503	5,866956	5,867265	6,15428	5,961042	6,34946	6,096953	5,9628337	6,135818333	0,17298467	1,12738843	Fam179a
17349627	6,555502	6,819865	6,756128	6,663229	6,93453	7,052786	6,7104983	6,883515	0,17301667	1,127413436	Pura
17392151	5,808453	6,582251	5,859601	6,27791	6,413698	6,077762	6,083435	6,256456667	0,17302167	1,127417344	Jag1
17520254	6,460045	6,660623	6,177294	6,755891	6,531758	6,529382	6,432654	6,605677	0,173023	1,127418386	Adamts7
17543641	4,571946	4,330163	4,214448	4,599371	4,53966	4,496666	4,3721857	4,545232333	0,17304667	1,127436881	Rgag4
17353169	7,509529	7,233792	7,62505	7,482083	7,567853	7,837608	7,4561237	7,629181333	0,17305767	1,127445477	---
17470740	4,632938	4,611508	4,450697	4,85202	4,920435	4,441987	4,5650477	4,738147333	0,17309967	1,1274783	C1s
17475196	6,803337	6,541505	6,67744	7,138282	6,714911	6,688477	6,674094	6,847223333	0,17312933	1,127501485	---
17471222	8,12367	8,655343	8,356849	8,68501	8,606847	8,363393	8,3786207	8,55175	0,17312933	1,127501485	Ccnd2
17465037	6,867916	6,711306	6,6751	6,992705	6,759065	7,02201	6,7514407	6,924593333	0,17315267	1,12751972	Gm20186
17262300	10,04073	10,01503	9,982282	10,03107	10,29877	10,22769	10,012681	10,18584333	0,17316267	1,127527536	Sqstm1
17458012	3,070189	3,346826	3,256238	3,31913	3,646933	3,226817	3,2244177	3,397626667	0,173209	1,127563748	Olfr434
17303322	5,215695	5,431647	5,030964	5,591584	5,191942	5,414415	5,226102	5,399313667	0,17321167	1,127565832	---
17201753	7,360965	7,56816	7,744958	7,788929	8,055649	7,349223	7,5580277	7,731267	0,17323933	1,127587456	---
17201929	7,360965	7,56816	7,744958	7,788929	8,055649	7,349223	7,5580277	7,731267	0,17323933	1,127587456	---
17533827	6,34726	5,298821	5,120793	6,234345	5,1418	5,910464	5,588958	5,762203	0,173245	1,127591885	Gm10486 // Gm10486
17533866	6,34726	5,298821	5,120793	6,234345	5,1418	5,910464	5,588958	5,762203	0,173245	1,127591885	Gm10058 // Gm10058
17540862	6,34726	5,298821	5,120793	6,234345	5,1418	5,910464	5,588958	5,762203	0,173245	1,127591885	Gm10058 // Gm10058
17540921	6,34726	5,298821	5,120793	6,234345	5,1418	5,910464	5,588958	5,762203	0,173245	1,127591885	Gm10058 // Gm10058
17476856	6,154311	6,286244	6,569966	6,639415	6,516053	6,375413	6,3368403	6,510293667	0,17345333	1,127754727	E130304I02Rik
17433281	5,71198	5,892548	5,979486	6,116385	6,225872	5,762142	5,861338	6,034799667	0,17346167	1,127761241	AA666905 // AA666905
17200813	6,994862	4,941278	6,123935	6,653025	5,471894	6,455544	6,020025	6,193487667	0,17346267	1,127762023	---
17201233	2,89226	2,996604	3,191437	3,386985	3,08117	3,132617	3,026767	3,200257333	0,17349033	1,12778365	---
17416616	8,683862	8,835091	8,81327	8,96892	9,092175	8,791671	8,7774077	8,950922	0,17351433	1,127802412	Echdc2
17424054	5,814457	5,621578	5,989833	5,995626	5,78874	6,162176	5,8086227	5,982180667	0,173558	1,127836548	---
17373811	7,156114	6,904986	6,957123	6,944009	7,391482	7,20341	7,0060743	7,179633667	0,17355933	1,12783759	---
17478698	4,683536	4,366926	4,773502	4,925246	4,665814	4,753685	4,607988	4,781581667	0,17359367	1,127864431	Oca2
17223799	6,675924	6,38264	6,478967	6,792278	6,716192	6,549884	6,5125103	6,686118	0,17360767	1,127875376	Plekhm3
17450412	3,211426	3,000317	3,178575	3,522044	3,300377	3,088745	3,130106	3,303722	0,173616	1,127881891	---
17431683	3,949228	4,31021	4,241583	4,515599	4,691483	3,814864	4,167007	4,340648667	0,17364167	1,127901957	Gm13011
17201003	7,663428	7,661975	7,816955	7,782024	7,936443	7,94484	7,7141193	7,887769	0,17364967	1,127908211	---
17498887	4,498961	4,492586	4,317334	4,585257	4,693513	4,551103	4,4362937	4,609957667	0,173664	1,127919417	---
17206719	4,947592	5,035957	5,22367	5,267636	5,284678	5,176041	5,069073	5,242785	0,173712	1,127956945	---
17284108	5,57303	5,304473	5,555838	5,572317	5,805723	5,576452	5,4777803	5,651497333	0,173717	1,127960854	Gm266
17449530	6,513415	7,494697	7,392504	7,348921	7,351868	7,220992	7,1335387	7,307260333	0,17372167	1,127964503	---
17533170	3,240659	3,384271	3,729607	3,648228	3,923423	3,304078	3,4515123	3,625243	0,17373067	1,127971539	Gm6592
17399940	4,501973	4,55301	4,478885	4,915302	4,336786	4,802982	4,5112893	4,685023333	0,173734	1,127974146	Flg2
17380377	6,475699	6,153765	6,294289	6,460683	6,572777	6,411498	6,3079177	6,481652667	0,173735	1,127974927	Edn3
17421209	5,36248	5,188747	5,220345	5,399103	5,497564	5,396126	5,2571907	5,430931	0,17374033	1,127979097	Gm13040
17387995	3,034568	3,103195	2,979614	3,438057	3,058351	3,142244	3,0391257	3,212884	0,17375833	1,127993171	Olfr1253
17365803	5,275652	4,897047	5,551801	5,250208	5,534971	5,460625	5,24149	5,415268	0,173778	1,128008548	Nrap
17223327	3,882496	4,103303	4,272943	4,34061	4,195179	4,244378	4,0862473	4,260055667	0,17380833	1,128032265	---
17547805	6,058562	5,7016	5,974072	5,963302	6,03786	6,254502	5,9114113	6,085221333	0,17381	1,128033568	LOC432842
17419015	6,739615	6,796636	7,169732	6,864377	7,285638	7,077494	6,9019943	7,075836333	0,173842	1,128058589	1700125D06Rik
17208069	6,669471	6,000924	5,813945	6,198281	6,369013	6,438643	6,1614467	6,335312333	0,17386567	1,128077094	---
17371410	4,714496	4,49023	4,586338	4,815362	4,811162	4,68614	4,5970213	4,770888	0,17386667	1,128077876	G6pc2
17210403	4,210738	3,428227	4,067469	3,528326	4,273197	4,426515	3,9021447	4,076012667	0,173868	1,128078919	---
17259810	5,950427	5,935886	5,897658	6,105505	6,109315	6,090924	5,9279903	6,101914667	0,17392433	1,128122968	Inpp5j
17471952	3,390011	3,844735	3,10429	3,786525	3,434136	3,640169	3,4463453	3,620276667	0,17393133	1,128128442	Tas2r121
17533690	8,586402	8,810663	8,779481	8,984666	8,932464	8,781267	8,7255153	8,899465667	0,17395033	1,128143299	Araf
17443996	5,411698	5,7044	5,794031	5,708909	5,779822	5,943253	5,6367097	5,810661333	0,17395167	1,128144342	D830046C22Rik
17381457	8,626896	8,421736	8,284195	8,573776	8,617867	8,663137	8,4442757	8,61826	0,17398433	1,128169886	Echdc3
17545675	7,653223	7,698771	7,423433	7,807398	7,76698	7,723009	7,591809	7,765795667	0,17398667	1,128171711	Mbtps2
17414536	9,007048	9,081844	8,625125	9,117162	8,973504	9,145329	8,9046723	9,078665	0,17399267	1,128176403	Slc31a2
17463837	4,36867	4,461936	4,517026	4,647199	4,541783	4,680716	4,4492107	4,623232667	0,174022	1,128199342	BC049715 // BC049715
17415863	6,571321	6,754387	6,62386	6,674829	6,913386	6,883607	6,649856	6,823940667	0,17408467	1,128248348	Cachd1
17423724	7,491365	7,357096	7,174157	6,936522	7,708888	7,899474	7,3408727	7,514961333	0,17408867	1,128251477	---
17202515	5,260275	4,471985	4,191823	5,012874	5,323703	4,109871	4,641361	4,815482667	0,17412167	1,128277284	---
17434555	4,137462	4,242252	4,575411	4,402131	4,558561	4,516808	4,318375	4,4925	0,174125	1,128279891	Abcb1b
17201725	12,38291	12,23987	12,4185	12,62558	12,4566	12,48163	12,347093	12,52127	0,17417667	1,128320299	---
17201901	12,38291	12,23987	12,4185	12,62558	12,4566	12,48163	12,347093	12,52127	0,17417667	1,128320299	---
17419090	5,60535	5,698377	5,515369	5,737435	5,836222	5,768049	5,6063653	5,780568667	0,17420333	1,128341155	1700003M07Rik
17210615	3,064481	3,458908	3,395266	3,830021	3,289804	3,321442	3,3062183	3,480422333	0,174204	1,128341676	---
17249258	4,353423	4,072473	4,851259	4,671053	4,479915	4,64886	4,4257183	4,599942667	0,17422433	1,128357579	Olfr54
17519364	7,670248	7,548852	7,735183	8,009361	7,797474	7,670248	7,6514277	7,825694333	0,17426667	1,128390689	BC031353

17287466	10,24534	10,17169	10,11881	10,26825	10,42055	10,37015	10,178613	10,35298333	0,17437	1,128471513	Higd2a
17492303	4,386052	4,060389	4,448994	4,694322	4,513861	4,210402	4,2984783	4,472861667	0,17438333	1,128481943	---
17268808	4,308971	3,765437	4,129947	4,411544	4,046772	4,269276	4,0681183	4,242530667	0,17441233	1,128504627	---
17327765	7,679455	7,788636	7,916876	8,065024	7,875371	7,967824	7,794989	7,969406333	0,17441733	1,128508538	Coro7
17348121	4,902244	4,829414	4,779187	4,877887	5,104529	5,051722	4,8369483	5,011379333	0,174431	1,128519228	4833419F23Rik
17518545	7,252079	6,813102	7,258519	7,164781	7,423751	7,258519	7,1079	7,282350333	0,17445033	1,128534351	Pdcd7
17203803	3,207357	3,71754	3,618442	3,472791	3,899276	3,694635	3,5144463	3,688900667	0,17445433	1,12853748	---
17205907	3,254998	3,07939	2,921517	2,892903	3,551573	3,334931	3,0853017	3,259802333	0,17450067	1,128573725	---
17535697	9,123837	9,278291	9,53098	9,607613	9,545514	9,303524	9,311036	9,485550333	0,17451433	1,128584416	Ssr4
17476521	6,001096	6,053002	6,51729	6,358339	6,455663	6,280935	6,1904627	6,364979	0,17451633	1,12858598	C630016N16Rik // C630016N16Rik
17260182	6,671947	6,725251	6,734197	6,853001	6,915486	6,886597	6,710465	6,885028	0,174563	1,128622487	Urgcp
17292541	5,18614	5,188873	5,042364	5,668142	5,196867	5,076143	5,1391257	5,313717333	0,17459167	1,128644913	9430083A17Rik
17376206	4,201997	4,601128	4,423753	4,510887	4,733775	4,506011	4,4089593	4,583557667	0,17459833	1,128650129	---
17486060	5,834186	5,540229	5,213208	5,945654	5,75384	5,411972	5,5292077	5,703822	0,17461433	1,128662646	Vmn1r63
17498546	5,834186	5,540229	5,213208	5,945654	5,75384	5,411972	5,5292077	5,703822	0,17461433	1,128662646	Vmn1r63
17227512	3,021357	3,111384	2,941994	3,333423	3,181878	3,083306	3,0249117	3,199535667	0,174624	1,128670209	---
17242145	5,948798	6,332441	6,183892	6,433694	6,220412	6,33501	6,1550437	6,329705333	0,17466167	1,128699677	1700027D21Rik // 1700027D21Rik
17202297	6,961085	5,921086	6,798946	6,99525	6,346282	6,863578	6,5603723	6,735036667	0,17466433	1,128701763	---
17257563	8,085612	8,295783	8,030166	8,269228	8,535972	8,130435	8,137187	8,311878333	0,17469133	1,128722887	---
17547887	4,755439	4,904215	5,023121	5,076706	5,063585	5,066578	4,8942583	5,068956333	0,174698	1,128728103	LOC100861922
17293043	5,158616	5,395779	5,048365	5,26977	5,304732	5,552378	5,20092	5,375626667	0,17470667	1,128734884	---
17205019	7,516341	7,865445	7,583023	7,526479	8,000134	7,962371	7,6549363	7,829661333	0,174725	1,128749227	---
17385085	7,377048	7,765315	7,165426	7,413155	7,707456	7,711394	7,4359297	7,610668333	0,17473867	1,12875992	Nmi
17263568	6,709556	6,658465	7,014708	7,193146	6,709556	7,00425	6,794243	6,968984	0,174741	1,128761746	Tom1l2
17448758	7,914017	8,005747	7,850843	7,570021	8,674858	8,049967	7,9235357	8,098282	0,17474633	1,128765918	---
17251527	8,076017	7,943933	7,991285	8,391974	8,11538	8,028131	8,003745	8,178495	0,17475	1,128768787	Per1
17259702	6,538356	5,816228	6,173804	6,843501	6,079137	6,130065	6,1761293	6,350901	0,17477167	1,128785739	Sfi1
17302404	4,757818	4,908825	5,119133	5,239095	5,103854	4,967165	4,928592	5,103371333	0,17477933	1,128791738	---
17274027	3,51814	3,634964	3,528249	3,498718	3,989608	3,717381	3,560451	3,735235667	0,17478467	1,128795911	---
17363550	3,675699	3,165166	3,488362	3,621913	3,568564	3,663151	3,4430757	3,617876	0,17480033	1,128808169	1700028P14Rik
17411840	6,140217	6,102082	5,951291	6,295011	6,137624	6,285381	6,06453	6,239338667	0,17480867	1,128814689	Gem
17389836	6,058915	5,845967	6,054464	6,104952	6,244962	6,133947	5,9864487	6,161287	0,17483833	1,128837902	Ppp1r14d
17287590	7,209651	7,108621	7,191488	7,362302	7,388655	7,283354	7,16992	7,344770333	0,17485033	1,128847291	Fgfr4
17516159	4,810546	4,392269	4,453607	4,868599	4,554197	4,75821	4,5521407	4,727002	0,17486133	1,128855898	Olfr251
17489524	4,527444	4,649	4,274317	4,735038	4,661927	4,578397	4,483587	4,658454	0,174867	1,128860332	Abpd // Abpd
17489529	4,527444	4,649	4,274317	4,735038	4,661927	4,578397	4,483587	4,658454	0,174867	1,128860332	Abpd // Abpd
17338196	8,270499	8,330825	8,476529	8,612734	8,314863	8,674956	8,3592843	8,534184333	0,1749	1,128886154	2310039H08Rik
17311968	5,604681	5,265969	5,642647	5,632969	5,735298	5,669826	5,5044323	5,679364333	0,174932	1,128911193	Tg
17204185	4,781867	4,303702	4,631135	4,641689	5,575125	4,024777	4,5722347	4,747197	0,17496233	1,12893493	---
17261990	3,731905	3,657089	3,733236	3,910272	3,812844	3,92405	3,70741	3,882388667	0,17497867	1,128947711	---
17238850	7,001671	7,005327	7,065242	7,449225	7,077291	7,070708	7,02408	7,199074667	0,17499467	1,128960231	Syne1
17456434	4,384363	4,572932	4,596983	4,381301	4,949181	4,748859	4,5180927	4,693113667	0,175021	1,128980838	Hyal6
17459421	9,376048	9,376657	9,339648	9,656933	9,314755	9,645737	9,3641177	9,539141667	0,175024	1,128983186	Igkv5-43 // Igkv5-43
17404152	10,02122	9,969002	9,919037	10,10631	10,1088	10,21927	9,969753	10,14479333	0,17504033	1,128995968	Pgam1 // Pgam1
17205429	3,370907	2,922965	3,549263	3,335957	3,647779	3,384597	3,281045	3,456111	0,175066	1,129016054	---
17299604	3,893554	4,049562	4,173321	4,132011	4,237867	4,271777	4,0388123	4,213885	0,17507267	1,129021271	Vmn2r89
17530990	5,587997	5,946026	5,438986	5,825962	5,863887	5,808391	5,6576697	5,832746667	0,175077	1,129024662	Gnat1
17515358	5,856915	5,906905	6,100303	6,340813	6,211674	5,837015	5,9547077	6,129834	0,17512633	1,12906327	BC018242
17256801	5,662096	5,253304	5,117247	5,557984	5,520123	5,47993	5,3442157	5,519345667	0,17513	1,129066139	LOC666331
17549246	11,53429	11,15617	11,38195	11,58117	11,50503	11,51182	11,35747	11,53267333	0,17520333	1,129123532	---
17341484	6,355929	6,277438	6,401989	6,639216	6,631538	6,290301	6,3451187	6,520351667	0,175233	1,129146751	---
17481801	8,582342	8,744055	8,54619	8,725649	8,895244	8,777411	8,6241957	8,799434667	0,175239	1,129151447	Ctr9
17206117	6,739101	6,09921	6,682034	7,154565	6,820919	6,070658	6,5067817	6,682047333	0,17526567	1,129172318	---
17519022	8,341245	8,132816	8,006172	8,185997	8,469735	8,350299	8,1600777	8,335343667	0,175266	1,129172579	Myo1e
17492340	7,976269	7,882103	7,787906	8,051864	8,008551	8,111837	7,8820927	8,057417333	0,17532467	1,129218498	Polg
17491726	3,084447	2,861255	3,384062	3,109066	3,517921	3,228765	3,1099213	3,285250667	0,17532933	1,12922215	Mir344c
17467441	5,906425	5,440055	5,54064	5,916689	5,427691	6,068748	5,62904	5,804376	0,175336	1,129227368	---
17202629	2,98023	3,670377	3,380286	3,360539	3,717512	3,478953	3,343631	3,519001333	0,17537033	1,129254242	---
17468530	5,340031	5,464264	4,942412	4,334351	6,412568	5,525901	5,2489023	5,424273333	0,175371	1,129254764	---
17296918	5,477392	5,313539	5,216428	5,550622	5,451122	5,531814	5,3357863	5,511186	0,17539967	1,129277203	Gm3317
17238097	7,984953	8,066879	7,815743	8,138272	8,068248	8,187354	7,9558583	8,131291333	0,175433	1,129303295	Tmem194
17391479	10,49371	10,71305	10,29004	10,63981	10,61886	10,76461	10,498933	10,67442667	0,17549333	1,129350523	---
17269866	6,212915	6,167874	6,340472	6,329551	6,337669	6,580565	6,2404203	6,415928333	0,175508	1,129362004	---
17263374	5,231127	5,446951	5,016247	5,586207	5,231127	5,403551	5,2314417	5,406961667	0,17552	1,129371398	2610507I01Rik
17424105	7,172686	6,865494	6,849054	7,088607	7,217512	7,107765	6,9624113	7,137961333	0,17555	1,129394883	Aqp7
17311783	6,824967	6,535646	6,596843	6,916666	6,580893	6,986554	6,6524853	6,828037667	0,17555233	1,12939671	---
17219127	4,081255	3,87171	4,023404	3,988599	4,243359	4,271158	3,992123	4,167705333	0,17558233	1,129420195	Lmx1a
17357895	5,764314	5,687819	5,656408	5,908229	5,882662	5,844424	5,702847	5,878438333	0,17559133	1,129427241	Gm5512 // Gm5512 // Gm5512 // Gm55
17420152	7,363866	7,314416	7,609428	7,620057	7,664007	7,53046	7,4292367	7,604841333	0,17560467	1,129437679	---
17501839	6,696111	6,771741	6,928696	7,212834	6,81771	6,89283	6,7988493	6,974458	0,17560867	1,12944081	Tmem161a
17442128	6,778144	6,698586	6,510693	6,769073	6,912142	6,833116	6,6624743	6,838110333	0,175636	1,129462209	P2rx7
17407259	5,747491	5,346356	5,706131	5,754629	5,80972	5,762657	5,5999927	5,775668667	0,175676	1,129493525	Slc27a3
17344508	4,944613	4,840523	5,391992	5,290667	5,371811	5,041899	5,0590427	5,234792333	0,17574967	1,1295512	Gm9840
17503808	3,232707	2,720403	2,867661	3,367797	3,066259	2,913971	2,940257	3,116009	0,175752	1,129553027	---
17524336	3,935226	3,672293	3,567823	3,936483	3,82453	3,941589	3,725114	3,900867333	0,17575333	1,129554071	Olfr850
17394246	6,046568	5,96478	5,800664	6,047948	6,107985	6,183341	5,9373373	6,113091333	0,175754	1,129554593	Wfdc3
17331221	2,832843	2,826257	2,662882	2,812451	3,013072	3,023766	2,773994	2,949763	0,175769	1,129566337	Olfr173
17302996	6,976256	6,564976	6,189406	7,087413	6,371038	6,799576	6,5768793	6,752675667	0,17579633	1,129587738	Gm3696
17206839	3,189692	3,225351	3,081503	4,039721	3,313985	2,670235	3,1655153	3,341313667	0,17579833	1,129589304	---
17357220	3,801553	4,775426	4,651427	3,702573	4,937762	5,115481	4,4094687	4,585272	0,17580333	1,129593219	---
17259157	6,441924	6,309248	6,311896	6,571437	6,454105	6,564938	6,354356	6,53016	0,175804	1,129593741	A730011L01Rik
17282450	4,282353	4,533082	4,64688	4,569863	4,708067	4,711898	4,4874383	4,663276	0,17583767	1,129620102	---
17462222	3,176694	3,134866	3,128454	3,230292	3,253759	3,483656	3,1466713	3,322569	0,17589767	1,129667082	Zfp248 // Zfp248
17249108	4,912558	5,048485	5,284108	5,138729	5,326362	5,307927	5,081717	5,257672667	0,17595567	1,129712499	Mir340
17466615	5,597552	5,617523	5,64668	5,695038	5,986495	5,708179	5,620585	5,796570667	0,17598567	1,12973599	---
17304596	9,174179	9,146996	9,181287	9,407217	9,315161	9,308101	9,1674873	9,343493	0,17600567	1,129751652	Nisch
17360084	9,11309	8,983158	8,626822	8,855721	9,248735	9,146989	8,90769	9,083815	0,176125	1,129845104	As3mt
17447595	4,972899	4,426714	5,003877	5,001111	4,95809	4,972899	4,8011633	4,977366667	0,17620333	1,129906452	Stk32b
17301732	6,448965	6,282887	6,588999	6,783613	6,656042	6,409861	6,4402837	6,616505333	0,17622167	1,129920811	---
17494081	8,208083	8,342276	8,227869	8,48937	8,479224	8,338517	8,2594093	8,435703667	0,17629433	1,129977725	Rhog
17242281	6,998881	7,010933	7,122474	7,279765	7,383277	6,998132	7,044096	7,220391333	0,17629533	1,129978508	Adarb1
17295907	8,165358	7,963604	7,70445	8,01988	8,229726	8,112945	7,9444707	8,120850333	0,17637967	1,130044563	Nln
17264031	4,201044	4,375027	4,436362	4,665586	4,508749	4,367306	4,3374777	4,513880333	0,17640267	1,130062579	---
17524211	5,330192	5,463692	5,356547	5,521525	5,547136	5,610981	5,383477	5,559880667	0,17640367	1,130063363	Ccdc67
17369821	7,091965	7,365751	7,329475	7,233727	7,690561	7,392118	7,262397	7,438802	0,176405	1,130064407	Ptges2
17525710	3,276888	3,275018	3,270464	3,496568	3,584894	3,270177	3,2741233	3,450546333	0,176423	1,130078506	Olfr936
17476889	5,856401	6,297853	6,527945	6,559087	6,440632	6,211773	6,2273997	6,403830667	0,176431	1,130084773	Zfp619
17283742	6,57904	6,570048	6,300234	6,664118	6,698863	6,615671	6,4831073	6,659550667	0,17644333	1,130094434	4831426I19Rik
17480986	8,501352	8,573105	8,66886	8,803286	8,744769	8,724661	8,5811057	8,757572	0,17646633	1,13011245	Numa1
17220531	3,962618	3,979989	3,893046	4,150436	4,038621	4,176047	3,9452177	4,121701333	0,17648367	1,130126028	Mir215
17305285	7,098865	6,98096	6,52486	7,16922	6,783607	7,181315	6,8682283	7,044714	0,17648567	1,130127595	---
17397502	12,93253	12,85169	12,9048	12,98324	13,07211	13,16317	12,89634	13,07284	0,1765	1,130138823	---
17367388	3,859175	3,47825	3,688195	4,150011	3,850832	3,554307	3,6752067	3,851716667	0,17651	1,130146657	---
17354793	6,359411	6,218977	6,362354	6,813302	6,386004	6,270968	6,3135807	6,490091333	0,17651067	1,130147179	Mir143
17481169	3,269479	3,271507	3,07605	3,751275	3,203763	3,19157	3,2056787	3,382202667	0,176524	1,130157624	Olfr583
17296896	6,851027	6,616556	6,169147	6,940535	6,635266	6,590549	6,5455767	6,722116667	0,17654	1,130170158	Gm5796
17533976	5,403076	4,735953	4,534055	5,449397	4,901686	4,851697	4,891028	5,067593333	0,17656533	1,130190003	E330016L19Rik
17206809	8,307695	8,01988	8,665796	8,641851	8,506547	8,374835	8,3311237	8,507744333	0,17662067	1,130233351	---
17266095	6,342174	6,560461	6,592509	6,718629	6,723975	6,582452	6,4983813	6,675018667	0,17663733	1,130246409	Nxn
17384448	7,575074	7,724663	6,451573	7,16345	7,588878	7,52895	7,2504367	7,427092667	0,176656	1,130261033	---
17431546	5,40174	5,741447	5,841419	5,907647	5,81236	5,794574	5,6615353	5,838193667	0,17665833	1,130262861	Rpl11
17316865	6,275172	6,352914	6,43942	6,634634	6,547384	6,415476	6,3558353	6,532498	0,17666267	1,130266256	---
17344988	4,203691	3,788273	3,987678	4,524615	4,123214	3,86183	3,993214	4,169886333	0,17667233	1,130273829	---
17321722	5,882461	6,16972	6,170835	6,27626	6,174094	6,302681	6,0743387	6,251011667	0,176673	1,130274351	Tfcp2
17444506	8,165561	8,009931	7,943988	8,294535	8,176948	8,178164	8,0398267	8,216549	0,17672233	1,130313002	Trrap
17354463	9,060461	9,098257	8,948052	8,930688	9,43666	9,269656	9,03559	9,212334667	0,17674467	1,130330499	03/04/17
17269143	5,053752	4,797263	4,767582	5,138595	4,992284	5,017983	4,8728657	5,049620667	0,176755	1,130338596	Krtap1-4
17220766	6,819444	7,52132	7,481731	7,515725	7,489735	7,347369	7,274165	7,450943	0,176778	1,130356616	---
17275689	5,912879	6,200946	6,310522	6,231504	6,419025	6,304202	6,141449	6,318243667	0,17679467	1,130369674	Sip1
17474248	4,305845	4,104897	4,566821	4,266319	4,857996	4,383842	4,3258543	4,502719	0,17686467	1,130424522	Ceacam3
17421517	5,752185	5,79236	5,362339	5,891407	5,770813	5,775434	5,635628	5,812551333	0,17692333	1,130470491	---
17278777	8,107105	8,108208	8,114263	8,243192	8,501846	8,115319	8,1098587	8,286785667	0,176927	1,130473364	LOC100861572
17238906	7,949258	7,949717	7,857236	8,085705	8,195356	8,005934	7,918737	8,095665	0,176928	1,130474148	Syne1
17284393	5,972557	5,951588	5,677307	6,108437	6,054636	5,969179	5,8671507	6,044084	0,17693333	1,130478327	---
17360109	4,495921	4,55704	4,537877	4,699018	4,551593	4,87119	4,5302793	4,707267	0,17698767	1,130520902	Ina
17478889	4,392703	4,554101	4,730629	4,740351	4,860712	4,60742	4,5591443	4,736161	0,17701667	1,130543628	Apba2
17208581	6,853748	7,185832	6,843621	7,099147	7,298131	7,016984	6,961067	7,138087333	0,17702033	1,130546501	---
17263811	6,376881	6,254467	6,442596	6,403001	6,576292	6,625735	6,3579813	6,535009333	0,177028	1,130552509	Mapk7
17317946	2,747551	2,925378	2,864214	2,853021	3,179493	3,03577	2,8457143	3,022761333	0,177047	1,130567398	---
17435279	4,008459	3,915893	3,946336	4,17804	4,048748	4,17505	3,956896	4,133946	0,17705	1,130569749	---
17210553	5,372409	4,814784	4,897039	5,725399	4,985016	4,90497	5,0280773	5,205128333	0,177051	1,130570533	---
17238638	4,191261	4,060598	3,320267	3,974328	4,09133	4,037858	3,8573753	4,034505333	0,17713	1,130632443	Olfr9
17439830	9,258431	9,749212	9,325927	9,978504	9,426606	9,459852	9,4445233	9,621654	0,17713067	1,130632965	Spp1
17398528	5,069563	4,815227	4,812959	5,19708	4,974961	5,057264	4,8992497	5,076435	0,17718533	1,130675808	Dchs2

17209001	7,043017	6,511319	6,801947	7,274007	6,519094	7,094763	6,7854277	6,962621333	0,17719367	1,130682339	---
17280401	7,3221	7,313767	7,230715	7,529515	7,480653	7,388042	7,2888607	7,46607	0,17720933	1,130694618	Ttc15
17367216	6,743129	6,620971	6,379962	6,725542	6,822182	6,728097	6,581354	6,758607	0,177253	1,130728841	Plxdc2
17430288	5,510817	5,328415	5,584316	5,576319	5,745971	5,633025	5,474516	5,651771667	0,17725567	1,130730931	Adc
17363790	3,61075	3,497822	3,649056	3,612135	3,868066	3,809232	3,585876	3,763144333	0,17726833	1,130740859	Insl6
17304338	7,58506	7,601336	7,392504	7,822929	7,668062	7,619787	7,5263	7,703592667	0,17729267	1,130759931	Ili7rb
17205889	3,397388	3,806043	4,383595	3,515103	3,77491	4,828928	3,862342	4,039647	0,177305	1,130769598	---
17272468	6,008987	5,835127	5,861872	5,919362	6,275087	6,043457	5,9019953	6,079302	0,17730667	1,130770904	St6galnac2
17237502	4,628556	4,633781	4,748819	4,603595	4,82373	5,115793	4,6703853	4,847706	0,17732067	1,130781877	5330438D12Rik
17497854	7,347757	7,320696	7,573478	7,605338	7,425353	7,743213	7,413977	7,591301333	0,17732433	1,130784751	Deaf1
17256129	4,83922	5,085244	4,923261	5,043067	5,327336	5,009316	4,9492417	5,126573	0,17733133	1,130790238	Csf3
17519565	4,193592	4,286217	4,159565	4,737458	4,45427	3,979791	4,2131247	4,390506333	0,17738167	1,13082969	---
17204255	3,355832	4,292437	3,565388	4,226962	3,980516	3,538356	3,7378857	3,915278	0,17739233	1,130838051	---
17341433	5,826654	5,785964	5,660959	6,061262	5,739784	6,004874	5,757859	5,935306667	0,17744767	1,130881424	Gm16386 // Gm16386
17407332	7,856456	7,876626	7,929492	8,120967	8,053934	8,020194	7,8875247	8,065031667	0,177507	1,130927934	Snapin
17383793	5,450276	5,47585	5,513397	5,913751	5,724049	5,334317	5,479841	5,657372333	0,17753133	1,130947009	Qrfp
17248961	3,750483	3,218129	3,544022	3,69281	3,577325	3,775173	3,5042113	3,681769333	0,177558	1,130967914	Olfr10
17275029	8,026021	8,190993	8,047034	8,147757	8,293853	8,355122	8,088016	8,265577333	0,17756133	1,130970527	Ankmy2
17205441	5,075025	4,645746	4,784376	5,4273	4,714524	4,896034	4,835049	5,012619333	0,17757033	1,130977582	---
17440409	8,345899	8,535748	8,404691	8,575678	8,835729	8,407669	8,4287793	8,606358667	0,17757933	1,130984638	Golga3
17490084	3,152525	3,699446	4,02489	3,813812	3,482507	4,113286	3,6256203	3,803201667	0,17758133	1,130986206	---
17331836	5,127592	5,220087	5,347338	5,392084	5,465696	5,370034	5,2316723	5,409271333	0,177599	1,131000055	---
17441526	6,536205	6,489349	6,600238	6,751092	6,688809	6,718847	6,5419307	6,719582667	0,177652	1,131041605	2410131K14Rik
17380549	7,350164	7,594736	7,633153	7,688985	7,603619	7,818454	7,5260177	7,703686	0,17766833	1,131054411	Gm14420 // Gm14420
17204637	2,907579	2,64559	2,847581	2,846407	2,981712	3,105647	2,80025	2,977922	0,177672	1,131057285	---
17205219	5,361098	4,946348	4,801638	5,232808	5,318469	5,090839	5,0363613	5,214038667	0,17767733	1,131061466	---
17209409	5,361098	4,946348	4,801638	5,232808	5,318469	5,090839	5,0363613	5,214038667	0,17767733	1,131061466	---
17376024	3,881562	3,951254	3,532413	4,280467	3,746187	3,871608	3,7884097	3,966087333	0,17767767	1,131061728	---
17201369	3,195162	3,09049	2,982183	3,142486	3,802751	2,855643	3,0892783	3,26696	0,17768167	1,131064864	---
17229307	5,184351	5,478217	5,594179	5,41721	5,770443	5,602183	5,4189157	5,596612	0,17769633	1,131076362	Dusp27
17284190	5,260807	5,369281	5,645666	5,656066	5,681527	5,471549	5,4252513	5,603047333	0,177796	1,131154504	B020018J22Rik
17499485	4,585318	4,378596	4,546134	4,461774	5,066024	4,515735	4,5033493	4,681177667	0,17782833	1,131179855	Myom2
17379602	5,459382	5,248701	5,710377	6,02184	5,463968	5,466231	5,47282	5,650679667	0,17785967	1,131204423	---
17423146	7,572074	7,734371	7,643269	7,816712	7,865381	7,801349	7,6499047	7,827814	0,17790933	1,131243367	Asph
17203473	7,087388	6,901739	6,969687	7,145669	7,175838	7,171072	6,9862713	7,164193	0,17792167	1,131253038	---
17248367	5,276417	4,937701	5,032431	5,497782	5,048739	5,233834	5,082183	5,260118333	0,17793533	1,131263754	---
17538427	3,786399	3,637696	3,787352	3,99348	3,977625	3,774254	3,737149	3,915119667	0,17797067	1,131291461	---
17384469	3,523678	3,700778	3,668347	3,826599	3,799213	3,800941	3,6309343	3,808917667	0,17798333	1,131301393	4930568D16Rik
17209835	6,885649	6,475566	6,752635	7,429688	7,215261	6,003121	6,7046167	6,88269	0,17807333	1,13137197	---
17362516	7,995649	8,131159	8,02829	8,2394	8,25924	8,190709	8,0516993	8,229783	0,17808367	1,131380073	AI462493
17275223	7,285107	7,567769	7,339554	7,549119	7,657056	7,520523	7,3974767	7,575566	0,17808933	1,131384517	Immp2l
17313106	4,522339	4,310408	4,4981	4,903092	4,61138	4,350756	4,4436157	4,621742667	0,178127	1,131414056	Cacna1i
17330478	4,093679	3,847933	4,060358	3,999306	4,537473	3,999601	4,0006567	4,178793333	0,17813667	1,131421637	Tigit
17463971	3,726102	4,76399	4,859686	4,207561	4,91595	4,760773	4,449926	4,628094667	0,17816867	1,131446733	---
17206585	2,865855	2,710551	2,766531	2,689211	3,118026	3,070323	2,780979	2,959186667	0,17820767	1,13147732	---
17238874	8,531898	8,859204	8,62513	9,029826	8,815528	8,705503	8,6720773	8,850285667	0,17820833	1,131477843	Syne1
17287412	4,815548	4,410243	4,654233	4,546944	4,972881	4,894975	4,6266747	4,804933333	0,17825867	1,131517319	---
17303964	5,1938	4,953256	4,936887	5,221597	5,235964	5,161274	5,027981	5,206278333	0,17829733	1,131547646	Dusp13
17459899	9,346023	9,308617	9,218964	9,585849	9,354329	9,468323	9,2912013	9,469500333	0,178299	1,131548953	---
17358777	7,903565	7,969379	7,635256	8,016897	8,041658	7,984583	7,8360667	8,014379333	0,17831267	1,131559672	Stambpl1
17210335	5,633687	5,803087	5,853172	6,163751	6,02245	5,638712	5,7633153	5,941637667	0,17832233	1,131567254	---
17357534	11,9888	12,12195	12,04233	12,22343	12,29295	12,17187	12,051027	12,22941667	0,17839	1,131620329	---
17394383	3,777514	4,113678	4,03472	4,057798	4,010177	4,393177	3,975304	4,153717333	0,17841333	1,131638632	---
17225113	3,996806	3,722242	3,784584	3,653822	4,203069	4,182152	3,834544	4,013014333	0,17847033	1,131683343	Gm19524
17449236	3,65535	3,636496	3,690912	3,844398	3,955419	3,718517	3,6609193	3,839444667	0,17852533	1,131726487	Tmprss11d
17209501	6,108537	5,84195	5,520333	6,203295	5,268836	6,534467	5,8236067	6,002199333	0,17859267	1,131779308	---
17547960	5,529672	5,783109	5,915801	5,87937	5,89483	5,990258	5,7428607	5,921486	0,17862533	1,131804935	Gart // Gart
17436791	4,754154	5,212087	4,837746	5,173345	5,013726	5,152798	4,9346623	5,113289667	0,17862733	1,131806504	Mir3097
17538562	5,391809	4,838251	4,574494	5,029285	4,965852	5,345523	4,9348513	5,113553333	0,178702	1,131865082	Gm15091
17260485	3,916402	3,625619	3,859692	3,92946	4,083745	3,924824	3,800571	3,979343	0,178772	1,131920002	---
17238924	7,40823	7,783682	7,529524	7,783812	7,958498	7,515692	7,573812	7,752667333	0,17885533	1,131985386	Syne1
17254332	6,579853	6,48149	6,509194	6,791348	6,610884	6,704952	6,5235123	6,702394667	0,17888233	1,132006572	Hnf1b
17448228	3,89647	3,885064	3,887785	4,045849	4,136622	4,023504	3,889773	4,068658333	0,17888533	1,132008925	LOC100862515 // Tbc1d1
17264984	6,425443	6,206523	6,32672	6,46211	6,512286	6,520982	6,319562	6,498459333	0,17889733	1,132018341	Nlgn2
17283546	4,337842	4,535841	4,159855	4,586819	4,405033	4,578378	4,3445127	4,52341	0,17889733	1,132018341	---
17200137	6,214983	6,197324	6,403748	5,924847	6,963852	6,464146	6,2720183	6,450948333	0,17893	1,132043974	---
17268289	6,481788	6,284374	6,532596	6,631522	6,472724	6,73131	6,4329193	6,611852	0,17893267	1,132046066	Atp5g1
17221536	3,661635	3,347641	3,114218	3,573905	3,552911	3,533589	3,374498	3,553468333	0,17897033	1,132075623	Defb41
17207757	5,215465	4,82147	4,881376	4,957862	5,481875	5,01563	4,9727703	5,151789	0,17901867	1,13211355	---
17500334	6,207709	6,304096	6,463449	6,470067	6,441267	6,601004	6,3250847	6,504112667	0,179028	1,132120874	Tex24
17284132	3,984154	4,318259	4,205968	4,28628	4,608072	4,151195	4,1694603	4,348515667	0,17905533	1,132142324	---
17421704	11,014	10,86207	10,84052	11,05402	11,11321	11,0866	10,90553	11,08461	0,17908	1,132161681	Masp2
17203639	5,594883	5,997116	5,69293	6,381812	5,608727	5,83182	5,761643	5,940786333	0,17914333	1,132211383	---
17212696	4,797648	4,676411	4,947107	5,194276	4,933519	4,830818	4,8070553	4,986204333	0,179149	1,13221583	Tmeff2
17262416	5,579864	5,475418	5,599674	5,922136	5,520531	5,749954	5,551652	5,730873667	0,17922167	1,13227286	Zfp454
17205499	3,909832	3,91315	3,449325	4,784611	3,198006	3,827479	3,7574357	3,936698667	0,179263	1,1323053	---
17210197	6,320214	6,505674	6,593029	6,794973	6,465717	6,696029	6,4729723	6,652239667	0,17926733	1,132308701	---
17217666	7,447258	7,582036	7,827973	7,76273	7,826938	7,805405	7,619089	7,798357667	0,17926867	1,132309747	Tmem9
17210373	4,529295	4,463272	5,074168	4,992812	4,765931	4,845948	4,6889117	4,868230333	0,17931867	1,132348991	---
17462141	4,620495	5,252397	4,874141	4,89561	5,125946	5,263472	4,9156777	5,095009333	0,17933167	1,132359195	Olfr214
17470540	5,975864	6,029651	5,910109	6,247836	6,127382	6,078571	5,9718747	6,151263	0,17938833	1,132403673	Phc1
17412717	5,637535	4,706284	4,020341	5,445045	4,895026	4,562291	4,7880533	4,967454	0,17940067	1,132413353	---
17392660	6,237082	6,284197	5,755987	6,175672	6,340317	6,299528	6,092422	6,271839	0,179417	1,132426174	Zfp442
17482828	8,509659	8,729885	8,673706	8,857738	8,986532	8,607412	8,63775	8,817227333	0,17947733	1,132473533	Tnrc6a
17494917	4,601565	4,324882	4,475702	4,59109	4,907954	4,4416	4,467383	4,646881333	0,17949833	1,132490017	BC051019
17540136	5,375748	4,948603	4,784765	5,540398	5,559255	4,548174	5,036372	5,215942333	0,17957033	1,132546538	Gm5634
17501807	5,169401	5,2649	5,175899	5,343508	5,372941	5,432509	5,2034	5,382986	0,179586	1,132558836	Ncan // Ncan
17441671	8,532911	8,380741	8,533415	8,62149	8,896239	8,468149	8,4823557	8,661959333	0,17960367	1,132572705	Slc24a6
17504467	5,851226	5,825553	5,915698	5,862563	6,238411	6,030539	5,864159	6,043837667	0,17967867	1,132631585	Pdp2
17459213	7,134725	6,968814	6,860037	7,195896	7,264559	7,042262	6,9878587	7,167572333	0,17971367	1,132659063	Prdm5
17433931	5,691198	6,119591	5,847958	6,135542	6,130744	5,931615	5,886249	6,065967	0,179718	1,132662465	B3galt6
17367473	3,789067	3,782997	3,990887	3,942428	4,025073	4,134647	3,854317	4,034049333	0,17973233	1,132673718	Myo3a
17206791	6,64641	6,521008	7,111194	7,186664	6,707475	6,923677	6,7595373	6,939272	0,17973467	1,13267555	---
17517694	3,37842	3,123418	3,089725	3,453991	3,370153	3,306643	3,1971877	3,376929	0,17974133	1,132680784	1700041C23Rik
17548650	5,740606	5,635638	5,841996	5,87043	5,983871	5,903191	5,7394133	5,919164	0,17975067	1,132688112	---
17202869	6,463429	5,864832	6,282444	6,413958	6,642432	6,093691	6,2035683	6,383360333	0,179792	1,132720564	---
17211587	7,955734	8,19367	7,976702	8,285317	8,262624	8,117622	8,0420353	8,221854333	0,179819	1,132741763	Dst
17272798	6,822596	6,70066	6,567665	6,89692	6,930883	6,802672	6,6969737	6,876825	0,17985133	1,13276715	Cant1
17359767	5,435662	4,974998	4,844299	5,276038	5,241523	5,277027	5,0849863	5,264862667	0,17987633	1,13278678	---
17479075	6,743237	6,696078	6,522572	6,934329	6,742871	6,824363	6,6539623	6,833854333	0,179892	1,132799081	Ttc23
17351228	3,054655	2,955618	2,996768	3,337942	3,090307	3,11854	3,002347	3,182263	0,179916	1,132817926	---
17291420	3,351364	3,127192	2,900181	2,935135	3,601532	3,38222	3,1262457	3,306295667	0,18005	1,132923149	Prl8a6
17442330	7,772137	7,599278	8,022489	8,046016	8,010998	7,87707	7,797968	7,978028	0,18006	1,132931002	---
17341692	8,080928	8,394876	7,819315	8,386102	8,442998	8,006201	8,098373	8,278433667	0,18006067	1,132931525	---
17491515	3,270892	3,416219	2,87934	3,189827	2,998287	3,918563	3,188817	3,368892333	0,18007533	1,132943043	---
17267685	8,533104	8,437496	8,358564	8,719894	8,56446	8,585159	8,4430547	8,623171	0,18011633	1,13297524	Pctp
17457180	3,558923	3,556127	3,3867	3,603664	3,767958	3,670482	3,5005833	3,680701333	0,180118	1,132976549	---
17494795	5,350169	5,059105	4,885598	5,700179	5,297565	4,837501	5,0982907	5,278415	0,18012433	1,132981523	Olfr488
17528111	7,211056	7,045938	7,034716	7,2428	7,303867	7,285456	7,0972367	7,277374333	0,18013767	1,132991994	Smad3
17300697	6,99288	6,967207	6,918922	7,202043	7,099067	7,118336	6,9596697	7,139815333	0,18014567	1,132998277	Khnyn
17460185	6,193264	6,432797	6,316576	6,501245	6,517532	6,46433	6,3142123	6,494369	0,18015667	1,133006915	Dysf
17327655	4,725547	5,285209	5,184084	5,319039	5,215165	5,201125	5,0649467	5,245109667	0,180163	1,133011889	---
17291451	3,44757	3,393429	3,207529	3,611468	3,488807	3,488776	3,3495093	3,529683667	0,18017433	1,13302079	Prl8a1
17230432	7,260407	7,265363	7,339389	7,385244	7,424743	7,595829	7,2883863	7,468605333	0,180219	1,133055869	Psen2
17339574	10,67283	10,37979	10,27867	10,7441	10,51281	10,6151	10,443763	10,62400333	0,18024	1,133072362	Ehd3
17374765	5,507395	5,318536	5,38313	5,719964	5,653365	5,376564	5,4030203	5,583297667	0,18027733	1,133101684	Spint1
17285736	5,776284	5,721357	5,89757	6,237773	5,98653	5,711747	5,7984037	5,978683333	0,18027967	1,133103516	---
17207497	4,48047	4,406857	5,166368	5,234562	4,829687	4,530286	4,684565	4,864845	0,18028	1,133103778	---
17279372	6,113824	6,125237	6,313167	6,48925	6,249129	6,354797	6,184076	6,364392	0,180316	1,133132053	Zbtb42
17300093	4,968985	5,020559	5,015813	5,01241	5,287073	5,246828	5,0017857	5,182103667	0,180318	1,133133624	---
17550002	3,154431	3,008945	3,11205	3,309126	3,396388	3,110871	3,0918087	3,272128333	0,18031967	1,133134933	---
17509899	9,493239	9,364689	9,439643	9,442926	9,751222	9,644439	9,4325237	9,612862333	0,18033867	1,133149856	Ndufa13
17398266	5,169532	5,338626	5,529482	5,786705	5,445719	5,346299	5,34588	5,526241	0,180361	1,133167398	Mir16-2
17211832	6,574717	6,381331	6,555404	6,715724	6,617223	6,719978	6,5038173	6,684308333	0,180491	1,133269511	Cnnm3
17211286	8,549681	8,633694	7,850843	8,479448	8,246462	8,8498	8,3447393	8,525236667	0,18049733	1,133274486	Ly96
17471394	5,299567	4,894163	5,015555	5,503947	5,199988	5,046901	5,0697617	5,250278667	0,180517	1,133289935	BC048546
17256404	6,867878	6,950125	6,817235	6,93173	7,237476	7,007594	6,8784127	7,058933333	0,18052067	1,133292815	Cnp
17293887	4,087469	4,049581	4,20219	4,443107	4,338446	4,099319	4,11308	4,293624	0,180544	1,133311145	4933433G19Rik
17496867	7,270258	7,36088	7,108675	7,486061	7,432351	7,36305	7,2466043	7,427154	0,18054967	1,133315596	BC017158
17226447	5,136216	5,127339	5,38141	5,499933	5,333035	5,353647	5,2149883	5,395538333	0,18055	1,133315858	Nckap5
17406661	11,36483	11,24149	11,41093	11,61052	11,48564	11,46286	11,339083	11,51967333	0,18059	1,133347281	---
17204299	6,091195	5,176936	5,729318	6,233746	5,782129	5,523448	5,6658163	5,846441	0,18062467	1,133374514	---
17417858	7,432845	7,821711	7,997024	7,881271	8,047668	7,864656	7,7505267	7,931198333	0,18067167	1,133411438	Mir1957 // Mir1957
17261067	5,39839	5,542173	5,415469	5,667226	5,486693	5,744174	5,4520107	5,632697667	0,180687	1,133423484	Gm12060

17202579	3,304102	3,012956	2,86346	3,020671	3,628873	3,073299	3,0601727	3,240947667	0,180775	1,133492622	---
17358679	6,680007	6,366714	6,548343	6,681674	6,674076	6,781645	6,531688	6,712465	0,180777	1,133494193	2700046G09Rik
17274346	4,513135	4,843695	4,503939	5,119565	4,232252	5,051368	4,6202563	4,801061667	0,18080533	1,133516454	5730507C01Rik
17410863	4,837643	4,376163	4,266977	4,855628	4,431135	4,736538	4,4935943	4,674433667	0,18083933	1,133543168	Clca2
17292155	3,616853	3,180893	3,449973	3,704415	3,652056	3,433861	3,4159063	3,596777333	0,180871	1,133568049	---
17293945	6,395716	5,835024	6,004629	6,211859	6,090551	6,475592	6,0784563	6,259334	0,18087767	1,133573287	Zfp953
17539395	5,483405	5,425837	5,620316	5,684171	5,75134	5,636684	5,5098527	5,690731667	0,180879	1,133574335	Rai2
17549572	5,620138	5,59009	5,576566	5,887332	5,745946	5,696341	5,595598	5,776539667	0,18094167	1,133623575	---
17549728	5,620138	5,59009	5,576566	5,887332	5,745946	5,696341	5,595598	5,776539667	0,18094167	1,133623575	---
17230153	10,42731	10,26585	10,3429	10,42723	10,57646	10,57526	10,345353	10,52631667	0,18096333	1,1336406	Fh1
17223641	4,334846	4,399144	3,990364	4,379968	4,401295	4,486055	4,2414513	4,422439333	0,180988	1,133659983	---
17217500	8,275991	8,129154	7,972406	8,278616	8,370369	8,271601	8,1258503	8,306862	0,18101167	1,13367858	Kdm5b
17202305	4,920267	4,468839	5,399534	4,247177	5,838858	5,245675	4,9295467	5,11057	0,18102333	1,133687748	---
17372892	4,141809	4,065091	4,658133	4,551074	4,258902	4,598139	4,2883443	4,469371667	0,18102733	1,133690892	Olfr1153
17251829	4,361132	4,102549	4,452476	4,536184	4,544985	4,378183	4,3053857	4,486450667	0,181065	1,133720491	Cldn7
17219457	10,36471	10,56322	10,34487	10,60411	10,69423	10,51769	10,424267	10,60534333	0,18107667	1,133729659	---
17467990	4,067925	3,940145	3,810555	4,162541	4,044344	4,155008	3,9395417	4,120631	0,18108933	1,133739613	1700009C05Rik
17215750	5,395397	5,166027	5,324301	5,402747	5,39404	5,632249	5,2952417	5,476345333	0,18110367	1,133750877	Klhl30
17548726	7,642499	7,524315	7,50556	7,874543	7,672537	7,668652	7,557458	7,738577333	0,18111933	1,133763189	Gm7265
17289908	8,478888	8,539493	8,653999	8,735147	8,802584	8,678038	8,55746	8,738589667	0,18112967	1,133771309	Slc38a9
17243330	6,909436	6,767862	6,829908	7,132485	6,760729	7,15739	6,8357353	7,016868	0,18113267	1,133773667	Nfic
17486964	4,468177	4,096087	4,353362	4,462991	4,495896	4,502241	4,3058753	4,487042667	0,18116733	1,133800911	9330104G04Rik
17390840	3,287934	3,216154	3,133015	3,321917	3,209283	3,64944	3,2123677	3,393546667	0,181179	1,13381008	4930583P06Rik
17288548	7,386205	7,252872	7,076962	7,494287	7,198925	7,566381	7,2386797	7,419864333	0,18118467	1,133814533	Slc12a7
17383934	7,806536	7,799414	7,78718	8,071611	7,897243	7,967866	7,79771	7,978906667	0,18119667	1,133823964	Fpgs
17312997	4,915853	4,783492	5,224649	5,172185	5,081644	5,213882	4,9746647	5,155903667	0,181239	1,133857234	Csnk1e
17203093	5,456866	6,15652	5,825747	5,638489	5,872273	6,47212	5,8130443	5,994294	0,18124967	1,133865618	---
17281400	5,116309	5,285219	5,138499	5,601703	4,937566	5,544738	5,180009	5,361335667	0,18132667	1,13392613	---
17313688	9,598612	9,733001	9,654596	9,669407	10,00844	9,852489	9,6620697	9,843445333	0,18137567	1,13396465	Samm50
17289020	5,8163	5,812086	5,819984	5,890501	6,137813	5,964257	5,8161233	5,997523667	0,18140033	1,133984038	Tmem167
17210645	3,729504	4,013632	3,833429	4,199842	4,296225	3,624763	3,858855	4,040276667	0,18142167	1,134000807	---
17501133	3,834103	4,313425	3,939954	4,154336	4,200646	4,276787	4,0291607	4,210589667	0,181429	1,134006571	Gm2516
17544687	6,291533	6,229103	5,553529	6,535548	5,892889	6,190031	6,0247217	6,206156	0,18143433	1,134010763	Mir1970 // Mir1970
17325553	3,46725	3,461403	3,778871	3,893325	3,853813	3,50475	3,5691747	3,750629333	0,18145467	1,134026746	---
17507057	9,254938	9,202962	9,161178	9,51829	9,3593	9,285917	9,2063593	9,387835667	0,18147633	1,134043777	Insr
17549916	3,738763	3,659322	3,988934	4,021538	4,036329	3,873602	3,795673	3,977156333	0,18148333	1,13404928	---
17388406	6,973978	6,935245	6,714878	7,123446	7,048635	6,99653	6,8747003	7,056203667	0,18150333	1,134065001	Slc35c1
17234066	8,063448	7,927224	7,889411	8,213984	8,107203	8,103458	7,9600277	8,141548333	0,18152067	1,134078626	Ank3
17228471	7,830419	7,975012	7,583695	7,981023	7,881456	8,071233	7,7963753	7,977904	0,18152867	1,134084915	Tor1aip1
17489620	11,38625	11,38965	11,4128	11,61178	11,53973	11,58191	11,396233	11,57780667	0,18157333	1,134120028	Gpi1
17412229	5,758152	6,156563	5,59726	6,109175	5,9966	5,95106	5,837325	6,018945	0,18162	1,134156713	---
17437272	3,439089	3,6216	3,366015	3,603633	3,734926	3,633021	3,475568	3,657193333	0,18162533	1,134160906	Fam184b
17482364	2,817176	2,850672	3,128622	3,060873	3,251425	3,02931	2,9321567	3,113869333	0,18171267	1,134229564	---
17344837	5,851821	6,296224	6,555824	6,074642	6,70226	6,472248	6,234623	6,416383333	0,18176033	1,13426704	Olfr93
17469414	8,27063	8,002417	7,957774	8,344219	8,178967	8,253094	8,0769403	8,25876	0,18181967	1,13431369	Foxp1
17360977	8,720974	8,838618	9,010494	9,13463	8,982142	8,998888	8,8566953	9,038553333	0,181858	1,134343829	Lrp5
17479193	4,418119	4,371067	4,21833	4,558571	4,456039	4,538537	4,3358387	4,517715667	0,181877	1,134358769	---
17206329	4,445181	4,34797	4,337054	4,152009	5,282287	4,241545	4,376735	4,558613667	0,18187867	1,134360079	---
17226728	5,174958	5,080776	5,1519	5,268401	5,191904	5,493034	5,135878	5,317779667	0,18190167	1,134378164	Il19
17487033	3,123786	3,205774	2,84006	3,084574	3,134427	3,496357	3,05654	3,238452667	0,18191267	1,134386813	---
17275929	7,125286	7,382151	7,119625	7,191686	7,513808	7,467346	7,2090207	7,390946667	0,181926	1,134397297	Atp5s
17528644	9,45049	9,275826	9,145383	9,494175	9,452211	9,471115	9,2905663	9,472500333	0,181934	1,134403587	Aqp9
17463842	5,10363	4,849915	5,053036	5,152791	5,102312	5,297378	5,0021937	5,184160333	0,18196667	1,134429274	Pde6h
17491513	3,018262	2,941406	3,010301	3,116504	3,196282	3,203256	2,9899897	3,172014	0,18202433	1,134474619	---
17372846	3,136755	3,108725	2,944029	3,267747	3,523875	2,944059	3,0631697	3,245227	0,18205733	1,13450057	Olfr1123
17534186	6,092321	5,995894	5,886992	6,371763	5,858286	6,291359	5,9917357	6,173802667	0,182067	1,134508171	Rhox3a
17484670	8,576617	8,626491	8,694243	9,0395	8,63489	8,769258	8,6324503	8,814549333	0,182099	1,134533336	Nlrp6
17514912	3,169363	3,194879	2,795061	3,573085	3,121308	3,011227	3,053101	3,235206667	0,18210567	1,134538578	Olfr832
17323042	8,144812	8,280098	8,215718	8,636479	8,297432	8,253104	8,2135427	8,395671667	0,182129	1,134556928	Bfar
17210219	8,263191	7,619132	8,493713	8,303133	8,468417	8,150904	8,1253453	8,307484667	0,18213933	1,134565054	---
17257733	3,816049	3,882584	4,083314	4,412523	3,986515	3,929411	3,9273157	4,109483	0,18216733	1,134587074	---
17458189	8,879223	8,62356	9,072574	9,217583	8,944197	8,960199	8,8584523	9,040659667	0,18220733	1,134618532	---
17530322	8,666465	8,623723	8,483912	8,65483	8,848028	8,817901	8,5913667	8,773586333	0,18221967	1,134628232	Uba5
17374132	4,43703	4,425108	4,100977	4,352942	4,721973	4,434915	4,3210383	4,503276667	0,18223833	1,134642913	---
17205001	9,203456	9,212414	8,994325	9,123447	9,453071	9,380477	9,1367317	9,318998333	0,18226667	1,134665196	---
17445634	5,149326	5,258326	5,001716	5,647092	5,228924	5,080171	5,136456	5,318729	0,182273	1,134670177	Gm9758
17549062	5,787384	8,181637	5,817987	8,466383	5,94976	5,917738	6,5956693	6,777960333	0,182291	1,134684334	---
17547497	6,446598	6,422572	6,603705	6,716105	6,559216	6,744514	6,4909583	6,673278333	0,18232	1,134707143	Gm3902
17314487	8,224756	8,38153	8,173452	8,383807	8,49458	8,448327	8,2599127	8,442238	0,18232533	1,134711338	Ano6
17480048	4,931963	4,833248	4,940735	5,005747	5,115945	5,131232	4,901982	5,084308	0,182326	1,134711862	Me3
17525163	8,282051	8,222127	8,268301	8,339141	8,618905	8,361543	8,257493	8,439863	0,18237	1,13474647	Acad8
17205901	3,668844	3,514786	3,351909	3,563558	3,484572	4,034559	3,5118463	3,694229667	0,18238333	1,134756957	---
17520099	5,626378	5,616755	5,704092	6,238125	5,640696	5,615573	5,649075	5,831464667	0,18238967	1,134761939	---
17470831	6,476801	6,673066	6,496348	6,773407	6,663997	6,756044	6,5487383	6,731149333	0,182411	1,134778719	Atn1
17256975	4,321771	4,380615	4,572617	4,616818	4,828557	4,377024	4,425001	4,607466333	0,18246533	1,134821456	Fzd2
17422871	5,336798	5,743749	6,19955	5,814416	5,964591	6,048601	5,7600323	5,942536	0,18250367	1,13485161	Tnfrsf18
17203673	6,471134	7,143669	6,100814	6,818891	6,483786	6,960544	6,5718723	6,754407	0,18253467	1,134875995	---
17525288	5,000919	5,423664	5,344357	5,221526	5,725003	5,37002	5,2563133	5,438849667	0,18253633	1,134877306	Tmem45b
17228563	7,046203	7,053349	6,83221	7,212514	7,419459	6,847612	6,977254	7,159861667	0,18260767	1,134933421	Tor3a
17366898	3,516959	3,288439	3,106909	3,490515	3,4905	3,479169	3,3041023	3,486728	0,18262567	1,134947581	---
17407539	3,610247	3,472915	3,650887	3,675177	3,852989	3,753785	3,5780163	3,760650333	0,182634	1,134954137	1700040D17Rik
17210739	3,474663	3,233984	3,510229	3,450595	3,93051	3,385684	3,406292	3,588929667	0,18263767	1,134957022	---
17459400	5,354172	5,342402	5,28577	5,875436	5,392002	5,262847	5,327448	5,510095	0,182647	1,134964364	---
17380764	3,866065	3,192399	3,65926	3,898369	3,704203	3,663173	3,5725747	3,755248333	0,18267367	1,134985343	Mir133a-2
17286087	5,851541	6,023913	6,149431	6,293858	5,967181	6,312021	6,008295	6,19102	0,182725	1,135025728	Dcdc2a
17284500	4,777975	5,794496	5,696725	5,732327	5,187996	5,89711	5,4230653	5,605811	0,18274567	1,135041987	Ighg // Ighg
17291767	8,75716	8,806945	8,71031	8,527528	9,26403	9,031158	8,7581383	8,940905333	0,182767	1,135058772	Tubb2a
17475487	11,28765	11,24633	11,02471	10,58753	11,70556	11,814	11,18623	11,36903	0,1828	1,135084735	Cyp2a12
17301190	4,704895	4,882955	4,927795	5,035984	4,89817	5,129909	4,8385483	5,021354333	0,182806	1,135089456	---
17455083	5,15607	4,59586	5,109327	5,096823	5,330231	4,982644	4,9537523	5,136566	0,18281367	1,135095488	Atp5j2
17463656	3,472461	3,482586	3,252256	3,928464	3,465822	3,361556	3,4024343	3,585280667	0,18284633	1,13512119	5530400C23Rik
17222625	6,954022	7,234973	7,048971	7,14535	7,335904	7,30526	7,079322	7,262171333	0,18284933	1,13512355	Tgfbrap1
17291386	5,235487	5,11359	5,173605	5,700881	5,278065	5,092311	5,1742273	5,357085667	0,18285833	1,135130632	Nrsn1
17206721	3,610199	3,678147	3,664455	4,104861	3,541288	3,855268	3,6509337	3,833805667	0,182872	1,135141385	---
17528134	4,89238	5,245604	5,084249	5,180041	5,406343	5,184496	5,0740777	5,25696	0,18288233	1,135149515	1700055C04Rik // 1700055C04Rik
17452231	11,32429	11,21418	11,18131	11,40636	11,4938	11,36835	11,239927	11,42283667	0,18291	1,135171284	Aldh2
17354434	9,815729	9,70271	9,65181	9,826791	9,894444	9,997784	9,7234163	9,906339667	0,18292333	1,135181776	Aldh7a1
17523368	4,169322	3,609703	3,823109	3,994026	4,12471	4,032235	3,867378	4,050323667	0,18294567	1,135199349	Ccdc13
17209547	2,850505	3,121786	2,956341	3,077571	3,066594	3,333412	2,9762107	3,159192333	0,18298167	1,135227676	---
17234786	6,868534	6,727282	6,574233	6,866154	6,926658	6,926186	6,7233497	6,906332667	0,182983	1,135228725	Icosl
17540589	7,104204	7,086947	6,483192	6,868242	7,072109	7,283126	6,8914477	7,074492333	0,18304467	1,13527725	Klhl13
17208531	5,539156	6,033924	5,469595	5,884107	6,131545	5,576195	5,6808917	5,863949	0,18305733	1,135287218	---
17545353	8,727149	8,997505	8,911087	8,932279	9,197507	9,055157	8,8785803	9,061647667	0,18306733	1,135295087	Maged2
17207955	4,645871	4,748644	4,269577	4,789683	4,823642	4,600137	4,5546973	4,737820667	0,18312333	1,135339156	---
17206381	3,189692	3,905221	2,847581	3,123178	3,602498	3,766271	3,3141647	3,497315667	0,183151	1,135360929	---
17245700	10,87257	11,04273	10,91217	11,18903	11,06196	11,12596	10,94249	11,12565	0,18316	1,135368012	Tspan31
17209181	5,10534	4,873122	4,854529	5,140156	5,077196	5,165157	4,9443303	5,127503	0,18317267	1,13537798	---
17403775	8,569304	8,400706	8,260822	8,519828	8,580512	8,680012	8,4102773	8,593450667	0,18317333	1,135378505	Cryz
17410748	8,608133	8,705975	8,449212	8,779984	8,866274	8,666609	8,5877733	8,770955667	0,18318233	1,135385587	Pdlim5
17314840	6,738647	6,241602	6,748486	6,70111	6,777856	6,799494	6,576245	6,759486667	0,18324167	1,135432283	Aqp5
17204111	3,804049	3,788274	4,298823	3,439601	3,306873	3,694432	3,9637153	4,146968667	0,18325333	1,135441465	---
17447113	6,107218	6,053594	6,466937	6,393962	6,46429	6,319302	6,2092497	6,392518	0,18326833	1,135453271	Fam53a
17206835	7,119148	7,064173	7,057523	7,624636	7,264758	6,901334	7,0802813	7,263576	0,18329467	1,13547396	---
17446060	5,50689	6,422573	5,91569	6,289909	6,410895	5,694355	5,9483843	6,131719667	0,18333533	1,135506003	AI506816
17375651	5,12078	5,384314	5,129231	5,534092	5,245919	5,404366	5,2114417	5,394792333	0,18335067	1,135518072	Dut
17335628	7,15964	7,076369	6,953468	7,119655	7,32306	7,296848	7,063159	7,246521	0,183362	1,135526992	Dnahc8
17473525	3,201223	3,715342	3,152472	3,75053	3,609501	3,259202	3,3563457	3,539744333	0,18339867	1,135555852	Nlrp4c
17210035	4,000859	4,031337	2,865942	4,269631	3,92747	3,2513	3,6327127	3,816133667	0,183421	1,135573431	---
17393868	6,945106	7,035745	6,899897	6,868714	7,091508	7,470859	6,9602493	7,143693667	0,18344433	1,135591797	Mafb
17310400	4,582653	4,379361	4,466739	4,509282	4,565605	4,904213	4,476251	4,6597	0,183449	1,135595471	1700047G03Rik
17512944	6,571208	6,652799	6,670708	6,78619	6,798792	6,860143	6,6315717	6,815041667	0,18347	1,135612001	Fuk
17208949	4,927204	4,477261	5,374868	5,798915	4,764628	4,766212	4,9264443	5,109918333	0,183474	1,135615149	---
17512565	11,59995	11,40459	11,51867	11,67178	11,71837	11,68355	11,507737	11,69123333	0,18349667	1,135632991	Lcat
17201561	5,285925	5,342021	5,250401	5,665622	5,53794	5,22529	5,2927823	5,476284	0,18350167	1,135636927	---
17301523	4,835301	5,016822	5,050952	5,103168	5,094624	5,255895	4,9676917	5,151229	0,18353733	1,135665003	Pnma2
17391441	9,40873	9,594987	9,462206	9,722276	9,449538	9,84474	9,488641	9,672184667	0,18354367	1,135669989	---
17350576	4,443087	4,187202	4,321399	4,544834	4,458603	4,498894	4,3172293	4,500777	0,18354767	1,135673137	Zfp474
17486527	4,949956	3,84688	4,278911	5,078096	4,355311	4,192992	4,3585823	4,542133	0,18355067	1,135675499	Vmn1r84
17235396	5,48042	5,273758	4,891878	5,334227	5,384617	5,47789	5,215352	5,398911333	0,18355933	1,135682321	Mob3a
17520983	6,276241	6,240813	6,336095	6,565697	6,460498	6,377769	6,284383	6,467988	0,183605	1,13571827	Nphp3
17207973	2,790229	2,91148	3,304847	3,095747	3,439333	3,022398	3,0021853	3,185826	0,18364067	1,135746348	---
17341303	3,055914	3,170935	2,861501	3,118972	3,572897	2,947404	3,02945	3,213091	0,183641	1,135746611	Fpr-rs6
17207053	5,938221	5,818314	5,711258	5,955052	6,383769	5,679927	5,8225977	6,006249333	0,18365167	1,135755008	---
17209513	7,750951	7,102288	7,775346	7,407639	7,719783	8,052313	7,5428617	7,726578333	0,18371667	1,13580618	---

17336316	4,616736	4,29332	4,491015	4,699574	4,622865	4,629874	4,4670237	4,650771	0,18374733	1,135830324	AA388235 // AA388235
17493713	4,512239	4,335277	4,380771	4,744636	4,399053	4,635873	4,409429	4,593187333	0,18375833	1,135838984	---
17516115	3,692127	3,614487	3,540849	3,789585	3,928888	3,680339	3,615821	3,799604	0,183783	1,135858404	Olfr876
17299419	7,282821	7,313218	7,214519	7,40206	7,494961	7,464921	7,270186	7,453980667	0,18379467	1,13586759	6720456H20Rik
17208501	4,056287	3,981051	3,636854	4,097651	3,808813	4,31923	3,8913973	4,075231333	0,183834	1,135898558	---
17439919	6,330057	6,285299	6,867393	6,596931	6,762186	6,675247	6,4942497	6,678121333	0,18387167	1,135928215	C230066G23Rik
17475087	4,263863	4,5363	4,530409	4,469533	4,751727	4,660927	4,443524	4,627395667	0,18387167	1,135928215	---
17550378	4,883911	5,047989	5,297831	5,179113	5,384263	5,218034	5,076577	5,26047	0,183893	1,135945012	---
17263953	6,064937	6,167552	5,966209	6,261539	6,188336	6,300508	6,0662327	6,250127667	0,183895	1,135946587	Zswim7
17543815	3,318103	3,246085	3,38799	3,77855	3,36207	3,363369	3,3173927	3,501329667	0,183937	1,135979657	Mir374
17293318	3,648938	3,630117	3,895042	3,742844	3,990742	3,992328	3,724699	3,908638	0,183939	1,135981232	BC051665
17203285	2,99439	3,603937	3,721496	4,079071	3,021326	3,771266	3,439941	3,623887667	0,18394667	1,135987269	---
17234345	6,909693	6,994299	6,724717	6,942287	6,992272	7,246065	6,8762363	7,060208	0,18397167	1,136006954	Gm5779
17255023	3,745851	3,423743	3,731546	3,89674	4,037199	3,519144	3,6337133	3,817694333	0,183981	1,136014304	2210409E12Rik
17503543	4,545689	4,284437	4,678944	4,807685	4,62284	4,630665	4,5030233	4,687063333	0,18404	1,136060763	C230036H16Rik
17482681	6,012541	5,804181	6,079613	5,973611	6,210201	6,264691	5,965445	6,149501	0,184056	1,136073362	Scnn1g
17408698	8,442071	8,458384	8,164992	8,50633	8,59198	8,519361	8,355149	8,539223667	0,18407467	1,136088061	Magi3
17438728	4,47679	4,148756	3,80198	4,293659	4,312297	4,373941	4,1425087	4,326632333	0,18412367	1,136126648	Smr2
17438326	9,569782	9,720894	9,280738	9,691502	9,793676	9,638712	9,5238047	9,707963333	0,18415867	1,136154211	---
17209689	7,230015	6,88424	6,84063	7,114127	6,947978	7,445431	6,9849617	7,169178667	0,184217	1,136200151	---
17310250	6,287958	5,949831	6,380534	6,214701	6,611186	6,345096	6,2061077	6,390327667	0,18422	1,136202514	Capsl
17544954	4,650351	4,561481	4,890852	4,67294	5,300434	4,681979	4,7008947	4,885117667	0,184223	1,136204876	Tex13
17281911	5,251642	5,276073	5,32613	5,718524	5,451065	5,237007	5,284615	5,468865333	0,18425033	1,136226403	Hif1a
17532647	8,307482	8,58359	8,057775	8,450162	8,848913	8,202635	8,3162823	8,50057	0,18428767	1,136255806	---
17431607	10,18723	10,12181	9,98611	10,0608	10,43833	10,34892	10,098383	10,28268333	0,1843	1,13626552	C1qb
17476263	8,074436	8,116521	7,956287	8,20439	8,206763	8,289012	8,0490813	8,233388333	0,184307	1,136271033	Zfp260
17397497	8,118965	8,009911	7,977278	8,253696	8,249638	8,155762	8,0353847	8,219698667	0,184314	1,136276546	Foxo1
17357512	7,457676	7,171656	6,943974	6,856365	7,64402	7,625869	7,191102	7,375418	0,184316	1,136278122	---
17480416	4,732225	4,916575	5,13846	4,97478	5,262938	5,102523	4,9290867	5,113413667	0,184327	1,136286785	---
17540374	3,620194	3,372949	3,662812	3,526184	3,979585	3,703266	3,551985	3,736345	0,18436	1,136312777	---
17424902	6,962718	7,566731	7,249825	7,291802	7,818301	7,222277	7,259758	7,444126667	0,18436867	1,136319603	Mir5120 // Mir5120
17484667	10,2827	10,23595	10,49494	10,88851	10,27486	10,40341	10,337863	10,52226	0,18439667	1,136341657	---
17456278	4,802265	4,70672	4,909607	4,957934	5,00881	5,005058	4,8061973	4,990600667	0,18440333	1,136346908	Cttnbp2
17288714	9,815677	9,769866	9,807873	10,05712	9,937494	9,952204	9,7978053	9,982272667	0,18446733	1,136397319	Ell2
17377168	3,018263	3,111754	3,079966	3,265964	3,285568	3,211853	3,0699943	3,254461667	0,18446733	1,136397319	---
17267954	5,902746	5,793377	5,858832	6,042217	6,263523	5,802663	5,8516517	6,036134333	0,18448267	1,136409397	Epn3
17254153	6,304203	6,723354	6,236086	6,790361	6,484047	6,542718	6,4212143	6,605708667	0,18449433	1,136418587	Slfn5
17296558	7,674934	7,634092	7,375914	7,872799	7,617578	7,74806	7,5616467	7,746145667	0,184499	1,136422263	LOC100861753
17362274	11,39541	11,392	11,50888	11,6457	11,59304	11,61115	11,432097	11,61663	0,18453333	1,136449308	Cox8a
17247596	6,10873	6,352129	6,372315	6,371702	6,481421	6,53397	6,2777247	6,462364333	0,18463967	1,136533073	Wdpcp
17499650	7,122235	6,839602	6,275606	7,119241	6,991524	6,6806	6,7458143	6,930455	0,18464067	1,13653386	4930467E23Rik // 4930467E23Rik
17506230	6,700397	6,836406	6,839719	6,888379	7,116507	6,926118	6,792174	6,977001333	0,18482733	1,136680923	6430548M08Rik
17373680	6,947533	7,33368	6,702028	7,216627	7,242309	7,07885	6,9944137	7,179262	0,18484833	1,136697469	Pamr1
17393569	5,887849	5,624894	5,981859	5,870699	5,995042	6,183413	5,831534	6,016384667	0,18485067	1,136699307	5430405H02Rik // 5430405H02Rik
17206723	4,597298	5,024358	4,339861	5,48823	4,265661	4,76221	4,653839	4,838700333	0,18486133	1,136707712	---
17550829	3,935223	3,793494	3,872577	3,720248	4,199983	4,235688	3,867098	4,051973	0,184875	1,13671848	---
17517934	8,783257	8,599977	8,653916	8,800525	8,930978	8,86029	8,67905	8,863931	0,184881	1,136723207	Adpgk
17549960	9,019357	8,811909	9,13276	9,417254	9,173796	8,92762	8,9880087	9,17289	0,18488133	1,13672347	---
17539875	4,13347	4,698917	4,395757	4,409862	4,538648	4,834405	4,4093813	4,594305	0,18492367	1,136756826	Syp
17483687	6,384554	6,644185	6,730989	6,697841	6,696112	6,920595	6,586576	6,771516	0,18494	1,136769695	Armc5
17473983	3,90525	3,980956	3,832811	4,103174	4,155047	4,015635	3,906339	4,091285333	0,18494633	1,136774686	---
17365911	7,479434	7,399523	7,421936	7,68351	7,550498	7,621725	7,433631	7,618577667	0,18494667	1,136774948	Ablim1
17473955	3,472521	3,238405	3,01197	3,44033	3,621294	3,21614	3,2409653	3,425921333	0,184956	1,136782303	---
17273231	7,237293	7,186557	7,429717	7,402402	7,618881	7,387171	7,2845223	7,469484667	0,18496233	1,136787293	Mafg
17535284	6,49358	6,18628	6,247912	6,424901	6,588103	6,469805	6,3092573	6,494269667	0,18501233	1,136826692	Mamld1
17201635	5,839297	6,034278	5,814138	5,981303	6,022599	6,238874	5,8959043	6,080925333	0,185021	1,136833521	---
17210195	5,140587	5,359151	5,777107	5,483991	5,652267	5,695669	5,425615	5,610642333	0,18502733	1,136838512	---
17395801	7,176277	7,373795	7,041367	7,502832	7,307965	7,335927	7,1971463	7,382241333	0,185095	1,136891834	BC006779
17450937	7,160067	6,572565	7,01929	7,007758	6,899256	7,400288	6,9173073	7,102434	0,18512667	1,136916789	4930522L14Rik // 4930522L14Rik
17207599	6,664678	7,297596	7,06269	7,3462	6,920061	7,314125	7,0083213	7,193462	0,18514067	1,136927821	---
17227023	8,777276	8,900581	8,772602	9,181375	8,909885	8,914625	8,8168197	9,001961667	0,185142	1,136928872	Zbed6
17204725	4,239394	3,753838	4,125308	4,965797	3,821201	3,887043	4,0395133	4,224680333	0,185167	1,136948574	---
17291937	9,140082	9,097015	9,026925	9,295145	9,388367	9,136022	9,0880073	9,273178	0,18517067	1,136951463	Txndc5
17378308	10,63551	10,33225	10,29656	10,66536	10,60241	10,55221	10,42144	10,60666	0,18522	1,136990342	---
17492106	5,171552	4,967447	4,880886	4,929587	5,324388	5,321888	5,0066283	5,191954333	0,185326	1,137073884	Gm6567
17200293	2,887369	3,123178	3,076192	2,882523	3,853813	2,906405	3,028913	3,214247	0,185334	1,13708019	---
17406552	6,363221	6,546611	6,549973	6,770949	6,602262	6,642721	6,4866017	6,671977333	0,18537567	1,13711303	Pear1
17221878	4,169703	3,996706	4,150072	4,136733	4,307642	4,428321	4,1054937	4,290898667	0,185405	1,137136151	Bai3
17204779	4,308607	5,533301	4,862944	4,756929	5,570136	4,934028	4,9016173	5,087031	0,18541367	1,137142982	---
17468648	5,359832	5,247774	5,22006	5,513872	5,424438	5,445621	5,2758887	5,461310333	0,18542167	1,137149287	1810020O05Rik
17522791	6,084588	6,025823	6,15977	6,233227	6,43918	6,154041	6,0900603	6,275482667	0,18542233	1,137149813	Osbpl10
17405463	8,085199	7,583875	7,421069	7,664657	7,810248	8,171512	7,6967143	7,882139	0,18542467	1,137151652	P2ry14
17208249	6,494873	6,334308	6,307007	6,615495	6,522173	6,554924	6,3787293	6,564197333	0,185468	1,137185808	---
17305514	7,076965	6,823535	6,576325	7,195301	6,901297	6,936714	6,8256083	7,011104	0,18549567	1,137207616	---
17471311	6,489496	6,438099	6,454841	6,825435	6,453339	6,660196	6,460812	6,646323333	0,18551133	1,137219966	5930416I19Rik
17283548	4,059739	3,450484	3,652851	4,115319	4,247423	3,35689	3,7210247	3,906544	0,18551933	1,137226272	---
17248470	7,30884	6,648699	7,280664	7,407371	7,120508	7,266918	7,079401	7,264932333	0,18553133	1,137235731	---
17210131	3,904504	4,372931	3,7904	3,645948	4,909982	4,068784	4,0226117	4,208238	0,18562633	1,137310619	---
17294377	10,93632	11,00116	10,81894	10,94911	11,21286	11,15137	10,918807	11,10444667	0,18564	1,137321393	Sdha
17407418	5,040138	4,625389	5,034431	5,100312	5,120767	5,035933	4,899986	5,085670667	0,18568467	1,137356606	Ivl
17335017	6,600237	6,210282	6,670208	6,708985	6,663275	6,665655	6,4935757	6,679305	0,18572933	1,13739182	---
17319063	6,313916	6,348876	6,514885	6,836075	6,563683	6,33512	6,392559	6,578292667	0,18573367	1,137395236	Card10
17313000	6,441492	6,553745	6,145984	6,769996	6,496858	6,431578	6,380407	6,566144	0,185737	1,137397864	Kdelr3
17470879	11,00715	11,05361	11,01444	11,16344	11,24093	11,22832	11,025067	11,21089667	0,18583	1,137471186	Tpi1
17231428	5,546556	5,768465	5,94489	5,864304	6,045512	5,907732	5,7533037	5,939182667	0,185879	1,13750982	---
17468780	5,390002	5,203631	5,572942	5,403505	5,767876	5,552871	5,3888583	5,574750667	0,18589233	1,137520333	Podxl2
17365152	4,485437	4,547293	4,736218	4,847502	5,009246	4,469909	4,5896493	4,775552333	0,185903	1,137528743	1700039E22Rik
17452957	9,712622	9,557263	9,614091	9,701438	9,847875	9,8924	9,627992	9,813904333	0,18591233	1,137536102	Scarb1
17509682	4,325179	3,906457	4,095127	4,400338	4,300744	4,183547	4,108921	4,294876333	0,18595533	1,137570008	BC030870
17396031	5,699782	5,772471	5,985293	6,011854	5,961115	6,042447	5,819182	6,005138667	0,18595667	1,137571059	4930539M17Rik
17205959	2,708583	3,02323	3,4404	3,651848	3,272912	2,805326	3,0574043	3,243362	0,18595767	1,137571847	---
17467624	8,719376	8,721721	8,598701	8,953693	8,926825	8,717163	8,6799327	8,865893667	0,185961	1,137574476	Kdm3a
17475564	5,173614	5,327496	5,175298	5,299534	5,489848	5,44492	5,2254693	5,411434	0,18596467	1,137577367	Numbl
17356613	6,623049	6,864445	6,792367	6,915526	6,991214	6,931661	6,7599537	6,946133667	0,18618	1,137747172	Znhit2
17308772	7,202855	7,214553	6,764793	7,118425	7,35124	7,271092	7,0607337	7,246919	0,18618533	1,137751378	9030625A04Rik
17354365	2,943875	3,176228	2,966761	3,226817	3,337379	3,081256	3,0289547	3,215150667	0,186196	1,13775979	---
17202939	5,47437	5,611115	5,594472	5,649589	5,871517	5,717542	5,5599857	5,746216	0,18623033	1,137786867	---
17531709	7,847997	7,860127	7,449687	7,806153	7,983317	7,927045	7,7192703	7,905505	0,18623467	1,137790284	Mlh1
17458587	4,907146	4,290453	4,567595	4,972447	4,768035	4,583485	4,588398	4,774655667	0,18625767	1,137808423	---
17203631	3,495254	3,285866	3,439329	3,942595	3,174713	3,661932	3,4068163	3,59308	0,18626367	1,137813155	---
17354359	3,903772	3,373845	3,346549	3,395092	3,836152	3,95178	3,5413887	3,727674667	0,186286	1,137830769	---
17207465	3,567905	4,073219	3,856865	3,280848	3,674808	5,101237	3,832663	4,018964333	0,18630133	1,137842862	---
17200263	6,324425	5,888268	6,501762	6,676229	6,454017	6,14322	6,2381517	6,424488667	0,186337	1,137870993	---
17505148	9,644266	9,512569	9,329276	9,496244	9,797423	9,751605	9,4953703	9,681757333	0,186387	1,137910429	Cdh1
17372307	9,378612	9,430755	9,549412	9,498138	9,692692	9,727316	9,4529263	9,639382	0,18645567	1,13796459	Itga4
17413747	7,522426	7,848216	7,654098	8,076662	7,741524	7,766153	7,6749133	7,861446333	0,186533	1,138025591	Tdrd7
17232407	4,613141	4,531968	5,078452	4,91643	4,926049	4,940767	4,741187	4,927748667	0,18656167	1,138048204	6330407J23Rik
17407138	9,021311	8,865345	8,913304	9,202837	9,18496	8,971919	8,93332	9,119905333	0,18658533	1,138066873	Il6ra
17210733	3,546535	3,803001	3,38309	3,639045	4,044357	3,609057	3,577542	3,764153	0,186611	1,13808712	---
17204289	5,280771	4,849787	4,893485	5,15725	4,835855	5,590796	5,0080143	5,119633667	0,18661933	1,138093694	---
17405397	5,680275	5,721068	5,485284	5,526719	5,997759	5,922037	5,6288757	5,815505	0,18662933	1,138101583	Pfn2
17496237	7,083591	7,013545	6,995584	7,195477	7,09671	7,360498	7,0309067	7,217561667	0,186655	1,138121831	Sh2b1
17516795	5,258258	5,034226	5,14063	5,498617	5,130241	5,364288	5,1443713	5,331048667	0,18667733	1,138139449	Dscaml1
17260466	6,279357	6,466243	6,482125	6,443058	6,695763	6,648959	6,4092417	6,595926667	0,186685	1,138145498	---
17287361	6,274737	6,35369	6,480663	6,572073	6,705425	6,39174	6,3696967	6,556412667	0,186716	1,138169954	Gadd45g
17250746	5,187425	5,192368	5,227551	5,41534	5,340702	5,411606	5,202448	5,389216	0,186768	1,138210978	---
17413325	6,214387	6,434736	6,27255	6,182017	6,505203	6,794789	6,3072243	6,494003	0,18677867	1,138219394	Tesk1
17203679	5,736159	6,790361	4,343226	5,574908	6,077539	5,777793	5,6232487	5,81008	0,18683133	1,138260946	---
17343686	9,890964	10,20756	10,34356	10,30453	10,36146	10,3366	10,147361	10,33419667	0,18683533	1,138264102	---
17534293	5,028447	5,28826	5,533086	5,527928	5,194949	5,687447	5,2832643	5,470108	0,18684367	1,138270677	Rhox5
17395032	5,934795	5,83294	6,04045	6,268298	6,14021	5,960365	5,9360617	6,122957667	0,186896	1,138311968	Gcnt7
17424608	7,414259	7,50705	7,058992	7,473299	7,485214	7,582499	7,326767	7,513670667	0,18690367	1,138318017	Cd72
17387712	3,198957	3,193491	3,592277	3,937232	3,268124	3,340089	3,3282417	3,515148333	0,18690667	1,138320384	Olfr1095
17240737	6,231012	5,901811	5,952579	6,165317	6,276958	6,203855	6,0284673	6,215376667	0,18690933	1,138322489	Gprc6a
17442922	3,84125	4,176433	4,264998	4,256745	4,331072	4,255625	4,094227	4,281147333	0,18692033	1,138331168	---
17202403	6,600569	6,125789	6,906568	6,784212	6,787857	6,621624	6,5443087	6,731231	0,18692233	1,138332746	---
17285871	4,182014	4,301366	3,850749	4,292514	4,196059	4,406589	4,1113763	4,298387333	0,187011	1,138402709	Hist2h3b // Hist1h3e // Hist1h3b // Hist1
17291094	3,417143	3,569095	3,451744	3,63327	4,032391	3,333389	3,4793273	3,66635	0,18702267	1,138411915	Vmn1r209
17446452	6,324111	6,08729	5,684078	6,455569	6,07579	6,125215	6,0318263	6,218858	0,18703167	1,138419017	5031410I06Rik
17490050	6,766924	6,929309	6,637708	6,898544	7,005216	6,991513	6,7779803	6,965091	0,18711067	1,138481357	Zfp141
17206621	7,279984	7,045102	7,494572	7,615242	7,662724	7,103175	7,2732193	7,460380333	0,187161	1,138521077	---
17278761	10,35938	10,67523	10,74901	10,88616	10,76875	10,69038	10,59454	10,78176333	0,18722333	1,138570269	AF357425
17534667	3,994832	3,788274	3,806131	4,135882	4,219966	3,795112	3,863079	4,05032	0,187241	1,138584212	Olfr1320
17497414	6,619779	6,649115	6,570042	6,752151	6,661714	6,986798	6,6129787	6,800221	0,18724233	1,138585264	Mapk1ip1

17499682	9,743422	9,810156	9,764282	10,08816	9,875474	9,916004	9,77262	9,959879333	0,18725933	1,138598681	LOC100861653
17522219	6,923576	7,052192	6,820408	7,00429	7,366172	6,987747	6,9320587	7,119403	0,18734433	1,138665766	Nme6
17339549	8,36401	8,41035	8,500583	8,49966	8,57831	8,759453	8,424981	8,612474333	0,18749333	1,138783372	Ypel5
17481669	3,841225	3,963729	4,069039	3,920904	4,126033	4,38964	3,9579977	4,145525667	0,187528	1,138810737	1700095J03Rik
17271295	5,586351	5,318822	5,648394	5,629981	5,744894	5,741345	5,5178557	5,705406667	0,187551	1,138828892	1700012B07Rik
17435598	8,183431	8,216493	8,419137	8,544799	8,382743	8,454284	8,2730203	8,460608667	0,18758833	1,138858363	Rbm33
17429689	8,573709	8,677401	8,496691	8,776584	8,808043	8,726029	8,5826003	8,770218667	0,18761833	1,138882045	Macf1
17451862	4,642615	4,605908	4,953237	5,150774	4,792736	4,82113	4,73392	4,921546667	0,18762667	1,138888623	BC051077
17358210	3,119429	2,970052	2,814268	3,200838	3,189692	3,076242	2,9679163	3,155590667	0,18767433	1,138926253	Mir204
17362156	6,880785	7,184351	7,134822	7,324136	7,199291	7,239559	7,0666527	7,254328667	0,187676	1,138927569	Plcb3
17511860	4,785712	4,86854	4,899481	5,20531	4,8702	5,041281	4,8512443	5,038930333	0,187686	1,138935463	9330175E14Rik
17368330	7,290483	7,491303	7,478127	7,676412	7,826411	7,320357	7,419971	7,607726667	0,18775567	1,138990463	Egfl7
17467438	4,211248	4,117997	3,996485	4,217525	4,401251	4,270247	4,1085767	4,296341	0,18776433	1,138997305	---
17238916	8,282334	8,339	8,288179	8,688639	8,586839	8,197386	8,303171	8,490954667	0,18778367	1,139012569	Syne1
17356028	6,565117	6,136999	6,570187	6,740928	6,744908	6,349847	6,424101	6,611894333	0,18779333	1,1390202	Aldh3b2
17448768	10,60828	10,49154	10,32889	10,60179	10,61795	10,77247	10,476237	10,66407	0,18783333	1,139051781	---
17476628	6,058007	6,014182	6,245747	6,356025	6,271278	6,254135	6,1059787	6,293812667	0,187834	1,139052308	Gm9140 // Gm5632
17499773	3,894269	4,151094	4,058691	4,521184	3,921795	4,224677	4,0346847	4,222552	0,18786733	1,139078626	LOC100505096 // Gm15308 // Defa20
17230760	6,320243	6,535595	6,346175	6,610806	6,481209	6,673774	6,400671	6,588596333	0,18792533	1,13912442	Mark1
17440218	3,618418	4,214848	4,098247	4,071987	4,40877	4,014607	3,977171	4,165121333	0,18795033	1,13914416	---
17204555	3,647951	4,461228	4,731352	4,283874	4,402004	4,718548	4,280177	4,468142	0,187965	1,139155741	---
17289372	7,531541	7,57341	7,699833	7,708147	7,841851	7,818716	7,6015947	7,789571333	0,18797667	1,139164953	Enc1
17544369	3,539881	3,109586	3,101779	3,375482	3,471079	3,468705	3,2504153	3,438422	0,18800667	1,139188641	---
17259745	7,802311	7,22035	6,651736	7,759386	7,158305	7,320812	7,224799	7,412834333	0,18803533	1,139211278	---
17394795	5,962385	5,90889	6,278692	6,056142	6,35265	6,305523	6,049989	6,238105	0,188116	1,139274977	Kcng1
17500644	5,06366	5,533163	4,964641	5,483388	5,542037	5,100438	5,1871547	5,375287667	0,188133	1,139288402	Efha2
17337770	8,063015	8,410387	7,965017	8,315437	8,35036	8,337126	8,1461397	8,334307667	0,188168	1,139316041	Gpr116
17201603	3,465537	3,55928	3,560068	3,946236	3,684323	3,518843	3,528295	3,716467333	0,18817233	1,139319463	---
17280760	8,581404	8,712422	8,484025	8,356852	9,080081	8,905463	8,592617	8,780798667	0,18818167	1,139326834	Bzw2
17255314	4,547101	4,709794	4,846368	4,588854	5,258233	4,820744	4,7010877	4,889277	0,18818933	1,139332889	Hils1
17467929	6,207683	5,704718	5,249637	6,030556	5,720086	5,975983	5,7206793	5,908875	0,18819567	1,13933789	---
17538798	11,46927	11,46825	11,44149	11,5871	11,78104	11,57547	11,45967	11,64787	0,1882	1,139341313	---
17443166	6,440962	6,18638	6,460169	6,46458	6,748778	6,438757	6,3625037	6,550705	0,18820133	1,139342365	Stx1a
17346672	5,982647	5,521585	5,716728	5,902546	5,934962	5,948143	5,74032	5,928550333	0,18823033	1,139365268	---
17205045	4,86185	4,236029	3,880827	4,70865	4,291091	4,543657	4,3262353	4,514466	0,18823067	1,139365531	---
17209235	4,86185	4,236029	3,880827	4,70865	4,291091	4,543657	4,3262353	4,514466	0,18823067	1,139365531	---
17204287	3,740815	4,329088	3,482128	4,053502	4,226154	3,83716	3,850677	4,038938667	0,18826167	1,139390014	---
17495620	3,598015	3,604491	3,392132	3,647281	3,896801	3,615529	3,531546	3,719870333	0,18832433	1,139439507	---
17536492	5,287176	5,058098	5,478815	5,373168	5,470351	5,545557	5,2746963	5,463025333	0,188329	1,139443192	---
17387432	8,64358	8,628113	8,766308	8,873003	8,886881	8,84322	8,6793337	8,867701333	0,18836767	1,139473732	Ctnnd1
17294157	3,661978	3,712787	3,893272	3,946513	3,902821	3,983833	3,7560123	3,944389	0,18837667	1,13948084	1700084F23Rik
17422672	5,559127	5,5717	5,841561	5,91055	6,075732	5,551248	5,6574627	5,845843333	0,18838067	1,139484	Tmem240
17219475	6,944724	6,229296	4,930833	5,85992	6,307243	6,502848	6,034951	6,223337	0,188386	1,139488212	---
17443128	5,92822	5,856876	6,412254	6,125779	6,503875	6,132856	6,0657833	6,25417	0,18838667	1,139488739	Gm10369
17200011	4,925371	4,77089	5,722227	5,079202	5,320661	5,583961	5,139496	5,327941333	0,18844533	1,139535076	---
17458841	5,136171	4,96332	5,235384	5,437346	5,09496	5,367987	5,111625	5,300097667	0,18847267	1,139556666	Adcyap1r1
17315178	5,294949	5,379988	5,429266	5,652835	5,261782	5,755063	5,3680677	5,55656	0,18849233	1,139572201	Nr4a1
17433567	3,902995	4,089179	4,523174	4,562453	4,427048	4,091412	4,1717827	4,360304333	0,18852167	1,139595371	Ccdc27
17319412	5,840411	5,863075	6,011019	6,048717	6,191622	6,039741	5,904835	6,09336	0,188525	1,139598004	Enthd1
17452640	7,483227	7,388655	7,235676	7,54288	7,574932	7,555344	7,369186	7,557718667	0,18853267	1,13960406	Clip1
17394232	4,848961	4,80747	5,143902	5,199988	5,014981	5,151	4,9334443	5,121989667	0,18854533	1,139614066	Wfdc9 // Wfdc9
17432865	6,564068	7,059424	6,955845	7,212338	6,914056	7,018718	6,859779	7,048370667	0,18859167	1,139650666	Clcn6
17379554	5,327157	5,539544	5,484259	5,437852	5,652184	5,826708	5,45032	5,638914667	0,18859467	1,139653036	Zswim1
17469136	7,681421	7,77822	7,568755	8,043784	7,87806	7,672416	7,676132	7,864753333	0,18862133	1,139674101	Adamts9
17229454	4,553514	4,722121	4,354658	4,813392	4,582823	4,79998	4,543431	4,732065	0,188634	1,139684107	Rgs4
17459550	8,35549	8,406959	8,333353	8,650225	8,590147	8,421397	8,3652673	8,553923	0,18865567	1,139701224	Polr1a
17444059	4,019398	3,786972	3,886759	3,949791	4,214053	4,095401	3,8977097	4,086415	0,18870533	1,13974046	---
17508080	5,480574	5,112525	5,678109	5,895579	5,523499	5,418276	5,423736	5,612451333	0,18871533	1,13974836	A930013F10Rik
17370851	3,503441	3,522267	3,585116	3,714122	4,001015	3,461916	3,5369413	3,725684333	0,188743	1,139770217	---
17500322	5,260474	5,121288	5,429601	5,40204	5,675207	5,300369	5,2704543	5,459205333	0,188751	1,139776538	Rab11fip1
17210611	3,735152	3,129425	2,807537	3,176836	3,444077	3,617493	3,224038	3,412802	0,188764	1,139786808	---
17251947	9,283003	9,105213	8,853094	9,104688	9,34292	9,360057	9,0804367	9,269221667	0,188785	1,139803399	Asgr2
17462841	5,152571	4,414991	5,604769	5,174121	5,412346	5,15225	5,0574437	5,246239	0,18879533	1,139811563	---
17201197	9,308389	9,518696	9,468348	9,34064	9,463383	10,0578	9,431811	9,620607667	0,18879667	1,139812616	---
17425391	5,297885	5,451457	5,538266	5,54375	5,520231	5,790125	5,4292027	5,618035333	0,18883267	1,139841059	Gm12505 // Gm12505
17413191	6,03294	5,570387	6,307967	6,305833	6,241457	5,930645	5,9704313	6,159311667	0,18888033	1,13987872	Dnajb5
17379289	3,680419	3,656127	3,630588	4,051739	3,803931	3,678139	3,6557113	3,844603	0,18889167	1,139887674	---
17409893	9,135807	9,078065	8,867037	9,284069	9,202525	9,161028	9,0269697	9,215874	0,18890433	1,139897682	Slc44a3
17344923	3,335495	3,289705	3,53858	3,694433	3,453525	3,582539	3,3879267	3,576832333	0,18890567	1,139898736	Olfr132
17251264	4,890173	4,985718	4,87824	5,050741	5,470833	4,799294	4,9180437	5,106956	0,18891233	1,139904003	Dhrs7c
17206331	6,239306	6,00408	6,404709	7,039003	6,189964	5,985901	6,2160317	6,404956	0,18892433	1,139913485	---
17243626	6,187653	5,953181	6,098529	6,100321	6,324783	6,381078	6,0797877	6,268727333	0,18893967	1,1399256	---
17489510	3,453524	2,955339	3,651848	3,448531	3,906006	3,272994	3,3535703	3,542510333	0,18894	1,139925864	---
17329622	4,023356	4,060482	4,034646	4,531521	4,060953	4,092962	4,0394947	4,228478667	0,188984	1,13996063	---
17507851	11,052	11,16487	11,16291	11,28716	11,29273	11,36688	11,126593	11,31559	0,18899667	1,139970639	6820431F20Rik
17475210	8,155771	7,14318	7,08946	7,849802	7,329618	7,776028	7,4628037	7,651816	0,18901233	1,139983018	---
17297713	7,669601	7,488761	7,54791	7,897347	7,671707	7,704378	7,5687573	7,757810667	0,18905333	1,140015416	Zmiz1
17453134	6,505047	7,012503	7,497935	7,133154	7,006254	7,443345	7,0051617	7,194251	0,18908933	1,140043863	---
17286046	5,326915	5,324262	5,321054	5,484544	5,494093	5,560963	5,324077	5,5132	0,189123	1,140070468	4932702P03Rik // 4932702P03Rik
17504659	4,283428	4,32069	4,174568	4,66233	4,20774	4,47608	4,259562	4,448716667	0,18915467	1,140095492	---
17542213	3,565556	3,647063	3,725513	3,755916	3,871618	3,878067	3,646044	3,835200333	0,18915633	1,140096809	Magea10
17240817	3,777682	3,711116	3,795844	3,838681	4,263869	3,749573	3,7615473	3,950707667	0,18916033	1,14009997	Slc35f1 // Slc35f1
17331765	2,956912	3,045322	3,108436	3,079741	3,66504	2,933618	3,03689	3,226133	0,189243	1,1401653	---
17309644	5,206047	5,284845	4,944429	5,249005	5,093705	5,660405	5,145107	5,334371667	0,18926467	1,140182423	Gpr18
17257040	3,735144	4,302801	4,048589	4,442277	3,948865	4,263258	4,0288447	4,218133333	0,18928867	1,140201391	---
17206779	4,047757	3,948741	4,192893	4,475087	4,371033	3,911155	4,0631303	4,252425	0,18929467	1,140206133	---
17275594	4,832925	4,688774	4,604688	4,806348	5,001988	4,885985	4,7087957	4,898107	0,18931133	1,140219305	---
17330600	4,714244	5,335527	5,420225	5,491063	5,344019	5,202919	5,1566653	5,346000333	0,189335	1,14023801	Mir3081
17267716	7,369812	7,410423	7,122877	7,39028	7,440619	7,640347	7,3010373	7,490415333	0,189378	1,140271996	Stxbp4
17356642	6,10697	6,120246	6,179459	6,343218	6,291139	6,340898	6,1355583	6,325085	0,18952667	1,140389504	Naaladl1
17515344	6,104856	5,998433	6,299581	6,735488	5,976638	6,259448	6,13429	6,323858	0,189568	1,140422177	Ccdc159
17276382	4,567536	3,948583	4,250585	4,486791	4,43176	4,416987	4,255568	4,445179333	0,18961133	1,140456432	Dbpht2
17207667	7,551103	6,787065	7,454974	7,692055	7,488366	7,18164	7,2643807	7,454020333	0,18963967	1,14047883	---
17355409	5,260228	5,344575	5,697474	5,713824	5,609999	5,547449	5,4340923	5,623757333	0,189665	1,140498856	---
17533152	3,214529	2,905993	3,108881	3,250555	3,347439	3,200418	3,0764677	3,266137333	0,18966967	1,140502546	Ssx9
17225261	7,86798	7,775488	7,711755	7,855414	8,036169	8,032718	7,7850743	7,974767	0,18969267	1,140520728	Ngef
17452705	5,578118	5,695105	5,689436	5,687526	6,178524	5,665758	5,6542197	5,843936	0,18971633	1,140539438	Niacr1
17215815	4,677824	4,587489	4,468863	4,902021	4,779843	4,621497	4,5780587	4,767787	0,18972833	1,140548925	Olfr1410
17203087	3,748619	3,626175	3,42077	4,124475	3,937327	3,30304	3,5985213	3,788280667	0,18975933	1,140573432	---
17302303	3,580807	4,049498	3,323561	3,900556	3,959378	3,663231	3,6512887	3,841055	0,18976633	1,140578967	---
17521157	3,810846	3,694369	3,709663	3,932096	3,865066	3,987097	3,7382927	3,928086333	0,18979367	1,140600576	Mirlet7g
17347948	5,035514	5,379908	5,21861	5,184889	6,020504	4,998044	5,211344	5,401145667	0,18980167	1,140606901	Kcnk12
17491035	7,937629	7,793946	7,90559	8,265816	8,015443	7,925359	7,879055	8,068872667	0,18981767	1,140619551	Abcc6
17232727	8,75352	8,5816	8,602304	8,675424	8,757686	9,07386	8,645808	8,835656667	0,18984867	1,14064406	---
17486834	6,479273	6,258411	6,492126	6,542606	6,686191	6,570664	6,4099367	6,599820333	0,18988367	1,140671733	Dhx34
17255918	7,54855	7,75868	7,535445	7,795385	7,822444	7,794558	7,614225	7,804129	0,189904	1,14068781	Cdk12
17447100	8,292662	8,428463	8,888412	8,498219	8,86352	8,817755	8,5365123	8,726498	0,18998567	1,140752382	---
17406656	9,989259	10,03454	10,10991	10,33216	10,16584	10,20599	10,04457	10,23466333	0,19009367	1,140837782	Apoa1bp
17209597	7,364291	7,293034	7,161803	7,404798	7,165616	7,839044	7,2797093	7,469819333	0,19011	1,140850698	---
17258771	6,236993	6,303411	6,129892	6,758274	6,369625	6,112274	6,223432	6,413546333	0,19011433	1,140854125	---
17548681	11,2874	11,43881	11,60801	11,68006	11,74674	11,47793	11,44474	11,63491	0,19017	1,140898146	Nme2 // Nme2
17203425	3,703668	5,695406	4,907591	5,618031	4,812681	4,446528	4,7688883	4,95908	0,19019167	1,14091528	---
17363056	3,856433	3,707501	3,647586	3,656249	4,188775	3,937213	3,7371733	3,927412333	0,190239	1,140952713	Olfr1423
17215629	5,597939	5,598748	5,632558	5,936816	5,747179	5,715969	5,6097483	5,7999888	0,19023967	1,14095324	Mlph
17541806	4,376289	4,390541	4,138971	4,527195	4,708396	4,240957	4,3019337	4,492182667	0,190249	1,140960621	Xlr
17201193	9,490221	9,761143	9,613523	9,672897	9,766968	9,995832	9,621629	9,811899	0,19027	1,140977229	---
17205277	4,690265	5,280865	4,520146	5,461689	4,554276	5,046129	4,8304253	5,020698	0,19027267	1,140979338	---
17209467	4,690265	5,280865	4,520146	5,461689	4,554276	5,046129	4,8304253	5,020698	0,19027267	1,140979338	---
17244350	8,941494	9,097104	8,806763	9,063874	9,217113	9,135468	8,9484537	9,138818333	0,19036467	1,141052101	Amdhd1
17546528	3,117533	3,270175	3,008228	3,422426	3,199151	3,345565	3,1319787	3,322380667	0,190402	1,141081628	---
17208613	6,513415	7,114796	7,160814	7,25914	7,388584	6,712554	6,929675	7,120092667	0,19041767	1,14109402	---
17486959	6,459743	6,814754	6,711485	6,655536	6,934652	6,967248	6,661994	6,852478667	0,19048467	1,141147014	Fkrp
17349892	4,211849	4,770148	5,123528	5,083181	4,884041	4,709787	4,7018417	4,892336333	0,19049467	1,141154924	Pcdhb8
17294114	7,936822	7,881145	7,809881	8,1445	8,020094	8,034928	7,8759493	8,066507333	0,190558	1,141205021	Papd7
17206279	6,465442	6,407478	6,941795	7,155197	6,47159	6,759852	6,604905	6,795546333	0,19064133	1,141270942	---
17496490	3,64585	3,369699	3,471102	4,027681	3,501473	3,529458	3,4955503	3,686204	0,19065367	1,141280698	---
17526803	8,280436	8,719684	8,397706	8,373482	8,7671	8,829263	8,465942	8,656615	0,190673	1,141295993	---
17200237	7,148183	7,431166	6,787713	7,04727	7,186849	7,705054	7,122354	7,313057667	0,19070367	1,141320253	---
17366736	3,647984	3,673161	3,678468	3,812372	3,769489	3,990166	3,6665377	3,857342333	0,19080467	1,141400157	Mir4660 // Mir4660
17204655	7,163792	6,940023	7,148765	7,199654	7,161994	7,463382	7,0841933	7,27501	0,19081667	1,141409651	---
17356191	5,497177	5,038061	5,089407	5,693651	5,038954	5,464494	5,208215	5,399033	0,190818	1,141410706	LOC100861918
17267482	4,190509	4,014784	4,183897	4,650834	3,888027	4,422842	4,12973	4,320567667	0,19083767	1,141426266	---
17293988	5,981129	5,783951	5,928897	6,200013	5,925824	6,14069	5,8979923	6,088842333	0,19085	1,141436023	Zfp58
17446420	3,805026	3,473811	3,605889	3,750106	3,807258	3,899973	3,628242	3,819112333	0,19087033	1,141452111	---

17251959	6,009104	5,900469	5,9025	6,190907	6,080383	6,11344	5,9373577	6,128243333	0,19088567	1,141464243	Mgl2
17377778	7,088121	7,187801	7,113235	7,254654	7,306855	7,400307	7,129719	7,320605333	0,19088633	1,14146477	Id1
17326729	3,360889	3,55112	3,433068	3,787971	3,703225	3,426627	3,448359	3,639274333	0,19091533	1,141487715	---
17327199	3,651848	3,984205	4,198141	4,095539	4,065921	4,245505	3,9447313	4,135655	0,19092367	1,141494309	---
17388476	7,939632	8,003915	8,041898	8,189041	8,300954	8,068393	7,9951483	8,186129333	0,190981	1,141539673	Ext2
17238870	7,092348	7,497972	7,338559	7,769187	7,546285	7,186425	7,3096263	7,500632333	0,191006	1,141559455	Syne1
17437124	5,956258	5,7917	6,017375	6,155799	6,100528	6,082095	5,9217777	6,112807333	0,19102967	1,141578182	Gm16223
17299112	3,981627	3,586695	4,341657	3,6551	4,330584	4,497408	3,969993	4,161030667	0,19103767	1,141584512	Gm8212
17222149	8,284163	7,942072	8,158347	8,277439	8,349392	8,33089	8,128194	8,319240333	0,19104633	1,14159137	Neurl3
17380555	6,526214	7,012282	6,331085	6,987615	6,639148	6,816004	6,6231937	6,814255667	0,191062	1,141603767	Gm14403 // Gm14403
17334956	7,784072	7,911577	7,627781	7,964361	7,973083	7,959189	7,7744767	7,965544333	0,19106767	1,141608251	A930001N09Rik
17300064	4,992	4,29332	4,306571	4,523136	5,261771	4,380333	4,5306303	4,721746667	0,19111633	1,141646761	---
17295454	4,750885	4,75794	4,887465	4,919423	5,011592	5,03866	4,7987633	4,989891667	0,19112833	1,141656257	---
17549284	6,501996	6,523824	6,464423	6,823321	6,54605	6,694264	6,4967477	6,687878333	0,19113067	1,141658104	---
17414296	3,668488	3,449849	3,734001	3,686036	3,744872	3,994832	3,617446	3,80858	0,191134	1,141660742	Gm19609
17280725	4,494173	4,535857	4,541687	4,927995	4,49259	4,724572	4,5239057	4,715052333	0,19114667	1,141670765	---
17383254	9,19433	9,279855	9,166053	9,459811	9,327101	9,426822	9,2134127	9,404578	0,19116533	1,141685537	Sardh
17535841	5,348541	5,008835	5,136875	5,327932	5,421413	5,318445	5,1647503	5,35593	0,19117967	1,14169688	Plxna3
17283945	4,339771	4,265166	4,143903	4,650233	4,302521	4,369667	4,2496133	4,440807	0,19119367	1,141707959	---
17283946	4,339771	4,265166	4,143903	4,650233	4,302521	4,369667	4,2496133	4,440807	0,19119367	1,141707959	---
17474052	6,676553	6,6727	6,996814	7,022854	6,84824	7,048593	6,7820223	6,973229	0,19120667	1,141718247	Kptn
17231532	6,557421	6,449648	6,669156	6,723123	6,54116	6,985588	6,5587417	6,749957	0,19121533	1,141725106	A630066F11Rik
17280978	3,400297	3,907618	3,391124	3,882939	3,447586	3,942178	3,5663463	3,757567667	0,19122133	1,141729854	---
17527206	4,438469	4,117695	4,656788	4,873462	4,455618	4,457683	4,4043173	4,595587667	0,19127033	1,141768633	1700104A03Rik
17209829	5,590547	4,905579	4,896483	5,467493	5,343114	5,155821	5,1308697	5,322142667	0,191273	1,141770743	---
17214731	6,84849	6,758049	6,804618	6,945354	7,001782	7,03789	6,803719	6,995008667	0,19128967	1,141783933	1700016L21Rik
17268353	4,037021	3,834063	4,159971	4,36261	4,425196	3,81716	4,0103517	4,201655333	0,19130367	1,141795013	Gm11517 // Gm11517
17337595	4,543343	4,227889	4,195973	4,331264	4,510643	4,699403	4,3224017	4,51377	0,19136833	1,141846194	Olfr122
17538912	8,809711	8,523165	8,439198	8,910772	8,615726	8,819827	8,5906913	8,782108333	0,191417	1,141884713	Kdm5c
17388196	7,230504	7,322305	7,415406	7,54059	7,518976	7,482946	7,3227383	7,514170667	0,19143233	1,141896849	Ddb2
17325723	7,679817	7,863923	7,375703	8,146279	7,225292	8,122205	7,6398143	7,831258667	0,19144433	1,141906347	Mir568
17430885	4,127993	3,574314	4,273624	4,082799	4,532249	3,935442	3,991977	4,183496667	0,19151967	1,14196597	---
17479936	2,991298	2,839503	3,297179	3,258705	3,399906	3,043937	3,04266	3,234182667	0,19152267	1,14196835	Olfr301
17372420	3,888654	4,00895	4,016331	4,051218	4,083026	4,3543	3,9713117	4,162848	0,19153633	1,141979168	Gm13752
17394182	6,494873	6,79469	7,196832	6,835326	7,329618	6,896178	6,8287983	7,020374	0,19157567	1,142010303	Sys1 // Sys1
17549524	5,374066	5,479983	5,500387	5,552881	5,751974	5,624362	5,4514787	5,643072333	0,19159367	1,142024552	---
17549680	5,374066	5,479983	5,500387	5,552881	5,751974	5,624362	5,4514787	5,643072333	0,19159367	1,142024552	---
17321931	5,081857	5,064446	5,044824	5,533183	4,559887	5,672859	5,063709	5,255309667	0,19160067	1,142030093	Gm5478
17434046	6,433869	6,210467	6,420506	6,457172	6,454086	6,728515	6,3549473	6,546591	0,19164367	1,142064132	Klhl17
17465447	4,716347	5,083629	4,852512	5,147405	4,877122	5,202923	4,8841627	5,075816667	0,191654	1,142072312	---
17432985	5,895986	6,186995	6,132268	6,428599	6,172316	6,189325	6,0717497	6,263413333	0,19166367	1,142079964	---
17241687	5,407136	4,992545	5,468746	5,565691	5,506348	5,371455	5,2894757	5,481164667	0,191689	1,142100019	A930033H14Rik
17282296	6,329217	6,064582	5,652483	6,189774	6,182847	6,248813	6,0154273	6,207144667	0,19171733	1,142122449	Gm20337
17426097	3,732451	3,504548	3,439079	4,148285	3,432325	3,670789	3,5586927	3,750466333	0,19177367	1,142167047	Mup3
17208019	6,209412	6,575989	5,665607	6,632464	6,674474	5,719424	6,150336	6,342120667	0,19178467	1,142175756	---
17203607	7,007129	6,287742	5,880867	6,370358	6,607058	6,774083	6,3919127	6,583833	0,19192033	1,142283167	---
17376051	6,122612	5,850509	6,09585	6,164598	6,476536	6,003621	6,0229903	6,214918333	0,191928	1,142289238	Fbln7
17487623	6,419611	6,38766	5,712461	6,291413	6,351928	6,452249	6,173244	6,365196667	0,19195267	1,142308768	Vmn1r151
17256565	4,743027	5,116591	4,966482	5,001451	5,253547	5,147003	4,9420333	5,134000333	0,191967	1,142320117	Tubg2
17495336	3,062418	2,993954	2,909316	3,274548	3,21181	3,055363	2,9885627	3,180573667	0,192011	1,142354957	---
17209853	4,104464	4,266407	3,835984	4,099226	3,992131	4,691542	4,0689517	4,260966333	0,19201467	1,14235786	---
17203823	5,415627	5,10232	5,247125	5,237381	5,741515	5,362235	5,255024	5,447043667	0,19201967	1,142361819	---
17404047	6,829374	6,889441	6,996484	7,012525	7,237453	7,041421	6,9050997	7,097133	0,19203333	1,142372641	Zfp704
17366423	6,552353	6,312637	6,838912	6,831587	6,587316	6,861111	6,5679673	6,760004667	0,19203733	1,142375808	Phxr1
17210631	4,863636	4,989156	5,150883	5,434599	5,126057	5,019155	5,001225	5,193270333	0,19204533	1,142382143	---
17291674	4,099795	4,032043	4,018852	4,257327	4,233867	4,235648	4,05023	4,242280667	0,19205067	1,142386366	Mylk4
17302483	8,168987	8,518856	8,372625	8,243134	8,834178	8,559425	8,3534893	8,545579	0,19208967	1,142417248	Cln5
17201471	4,546836	4,77056	4,283583	4,478394	4,316046	5,382927	4,5336597	4,725789	0,19212933	1,142448659	---
17207755	5,651484	5,312194	5,650645	6,477339	5,49633	5,217297	5,5381077	5,730322	0,19221433	1,142515972	---
17550695	4,307137	4,407582	4,446507	4,651542	4,671284	4,415053	4,3870753	4,579293	0,19221767	1,142518611	---
17285414	5,404466	5,51083	5,187113	5,498867	5,704798	5,475481	5,3674697	5,559715333	0,19224567	1,142540786	Gli3
17472676	5,155999	5,337371	5,367591	5,363813	5,161242	5,912662	5,286987	5,479239	0,192252	1,142545801	---
17353260	3,933351	3,621837	3,895292	3,813324	4,213336	4,000639	3,8168267	4,009099667	0,192273	1,142562433	---
17531877	8,463113	8,480332	8,379702	8,464402	8,830389	8,60524	8,441049	8,633343667	0,19229467	1,142579592	Crtap
17373630	5,368306	4,415473	4,840656	5,127447	5,018845	5,055045	4,8748117	5,067112333	0,19230067	1,142584344	---
17397557	5,22119	5,114407	5,272672	5,310038	5,463879	5,411324	5,2027563	5,395080333	0,192324	1,142602823	Trpc4
17330323	8,678162	8,439817	8,579245	8,597391	9,027643	8,649175	8,5657413	8,758069667	0,19232833	1,142606255	Nr1i2
17549150	5,856868	8,793404	6,001397	9,001557	6,118151	6,108946	6,8838897	7,076218	0,19232833	1,142606255	---
17389281	3,597483	3,337612	3,479895	3,597685	3,884463	3,509903	3,4716633	3,664017	0,19235367	1,142626319	Olfr1297
17359118	7,797908	7,648943	7,814594	8,167283	7,859816	7,811451	7,753815	7,946183333	0,19236833	1,142637936	Pde6c
17382384	6,820604	6,868107	6,733425	7,060963	6,987957	6,950466	6,8073787	6,999795333	0,19241667	1,142676217	A830007P12Rik
17489229	5,918988	5,795473	5,867301	6,242797	5,924247	5,991996	5,8605873	6,053013333	0,192426	1,142683609	Etv2
17423974	4,219473	4,007886	4,438961	4,394417	4,388341	4,460847	4,2221067	4,414535	0,19242833	1,142685458	---
17457775	6,659359	6,885732	6,980341	6,976848	7,155552	6,970407	6,8418107	7,034269	0,19245833	1,142709219	---
17313998	8,995893	9,169757	9,012442	9,083731	9,420711	9,251176	9,059364	9,251872667	0,19250867	1,142749087	Creld2
17328717	2,709493	2,854531	2,73679	3,058583	3,025833	2,79411	2,766938	2,959508667	0,19257067	1,142798198	---
17429279	6,151055	6,05159	6,360579	6,854613	6,333786	5,952611	6,1877413	6,380336667	0,19259533	1,142817737	Olfr1337
17296277	4,844343	4,756791	4,654071	5,276235	4,814145	4,74269	4,751735	4,944356667	0,19262167	1,142838597	---
17238868	7,485216	7,938081	7,583677	8,007244	7,888846	7,688829	7,6689913	7,861639667	0,19264833	1,142859722	Syne1
17527210	7,352072	7,567763	7,305197	7,558857	7,639454	7,604705	7,408344	7,601005333	0,19266133	1,14287002	Dmxl2
17392529	5,308074	5,171521	5,373598	5,599591	5,546322	5,28535	5,2843977	5,477087667	0,19269	1,142892729	Nkx2-2
17423923	7,367596	7,205245	6,877214	7,363664	7,450631	7,213857	7,1500183	7,342717333	0,192699	1,142899859	3110043O21Rik
17200729	5,20499	5,882566	5,415946	5,758935	5,755916	5,566777	5,5011673	5,693876	0,19270867	1,142907517	---
17487586	6,634522	6,106863	5,839297	6,275245	6,357531	6,526064	6,1935607	6,38628	0,19271933	1,142915967	Vmn1r127
17487647	6,634522	6,106863	5,839297	6,275245	6,357531	6,526064	6,1935607	6,38628	0,19271933	1,142915967	Vmn1r127
17201247	3,587519	3,27303	3,273493	3,5426	3,887241	3,28253	3,378014	3,570790333	0,19277633	1,142961124	---
17388899	7,257102	6,828687	7,564311	7,306693	7,384795	7,537178	7,2167	7,409555333	0,19285533	1,143023713	---
17541339	6,497165	7,180624	6,70657	6,865745	6,933708	7,163536	6,7947863	6,987663	0,19287667	1,143040615	---
17526861	8,008801	7,828097	7,820513	7,982908	8,14958	8,10369	7,8858037	8,078726	0,19292233	1,143076797	Dlat
17453030	8,366849	8,067094	7,997669	8,320029	8,236436	8,454076	8,1438707	8,336847	0,19297633	1,143119583	Slc15a4
17203979	6,95171	6,791951	6,671245	7,184948	6,936575	6,872341	6,8049687	6,997954667	0,192986	1,143127242	---
17313394	10,33674	10,30955	10,27249	10,37843	10,54889	10,57043	10,30626	10,49925	0,19299	1,143130412	Aco2
17204071	4,210063	4,003385	3,422965	4,193215	4,113528	3,908685	3,8788043	4,071809333	0,193005	1,143142297	---
17479521	5,031606	5,248378	5,195701	5,497663	5,306098	5,251116	5,1585617	5,351625667	0,193064	1,143189048	Ttll13
17445453	5,056751	4,694452	5,038842	5,190726	5,105566	5,073181	4,930015	5,123157667	0,19314267	1,143251385	Zfp804b
17223637	5,785319	6,180431	5,351599	6,063662	6,106467	5,726727	5,7724497	5,965618667	0,193169	1,143272253	---
17549098	4,805601	4,818626	5,163744	5,062416	5,130773	5,17437	4,9293237	5,122519667	0,193196	1,143293649	---
17486247	7,141711	6,363536	5,576584	6,653179	6,49659	6,511813	6,3606103	6,553860667	0,19325033	1,143336708	Vmn2r32
17344242	10,42812	10,55349	10,67116	10,88185	10,6851	10,66558	10,550923	10,74417667	0,19325333	1,143339085	Apom
17479697	6,629606	6,702937	6,895697	7,034715	6,983342	6,790078	6,7427467	6,936045	0,19329833	1,143374748	2900076A07Rik
17410845	8,25421	8,867188	8,372792	8,860113	8,750286	8,46371	8,4980633	8,691369667	0,19330633	1,143381088	Clca1
17476620	10,2878	10,61643	10,19024	10,35405	10,49765	10,82271	10,364823	10,55813667	0,19331333	1,143386636	---
17306130	4,113531	3,78005	3,50343	4,470971	3,64241	3,863586	3,7990037	3,992322333	0,19331867	1,143390863	---
17243576	7,513758	7,601782	7,764901	7,960013	7,911467	7,589064	7,6268137	7,820181333	0,19336767	1,143429698	Appl2
17206541	4,449352	5,518489	4,93554	5,013424	4,970297	5,499802	4,9677937	5,161174333	0,19338067	1,143440001	---
17438788	7,402379	7,703964	7,642812	7,804018	7,821444	7,703964	7,5830517	7,776475333	0,19342367	1,143474083	Rufy3
17367963	6,763642	6,776311	6,504989	6,583327	7,217211	6,824888	6,6816473	6,875142	0,19349467	1,143530358	Entpd2
17233835	6,685228	6,734063	6,623529	6,795703	7,075475	6,752158	6,68094	6,874445333	0,19350533	1,143538813	Rufy2
17203055	6,295972	5,529366	6,318795	6,363453	5,729423	6,631783	6,0480443	6,241553	0,19350867	1,143541455	---
17362256	5,500971	5,432967	5,704156	5,974602	5,618145	5,625984	5,5460313	5,739577	0,19354567	1,143570783	Flrt1
17207183	6,094917	5,351585	5,558787	5,978936	6,088136	5,51886	5,6684297	5,861977333	0,19354767	1,143572369	---
17242330	9,107681	8,965142	9,051761	9,22138	9,252974	9,230936	9,041528	9,235096667	0,19356867	1,143589015	Lrrc3
17315193	4,93463	5,028238	5,24906	5,514863	5,148707	5,129097	5,0706427	5,264222333	0,19357967	1,143597734	6030408B16Rik
17207837	6,168158	5,842827	6,157443	6,376974	6,104799	6,267423	6,0561427	6,249732	0,19358933	1,143605397	---
17200505	3,604249	3,584462	3,632256	3,805033	3,983169	3,613602	3,606989	3,800601333	0,19361233	1,143623629	---
17474840	8,587786	8,64804	8,230161	8,685102	8,571643	8,790125	8,4886623	8,68229	0,19362767	1,143635784	---
17325369	3,5941	3,909878	3,749658	3,798714	4,088924	3,946932	3,751212	3,944856667	0,19364467	1,14364926	---
17278506	5,94375	5,476759	5,563087	5,587687	6,100786	5,876093	5,6611987	5,854855333	0,19365667	1,143658772	Gm2800 // Gm2800
17548894	5,672708	5,357698	5,760422	6,009122	5,51225	5,850492	5,5969427	5,790621333	0,19367867	1,143676212	Tmlhe
17413587	5,259509	5,299436	5,238604	5,549264	5,308259	5,521247	5,2658497	5,45959	0,19374033	1,143725099	---
17546001	3,860222	3,428926	3,602538	3,983506	3,706178	3,783245	3,630562	3,824309667	0,19374767	1,143730912	Glra2
17339772	8,27367	8,052609	7,989549	8,350657	8,271405	8,275118	8,105276	8,29906	0,193784	1,143759717	Rasgrp3
17498882	5,016974	5,375155	5,498555	5,499195	5,416832	5,556072	5,2968947	5,490699667	0,193805	1,143776366	---
17372060	6,208398	6,174052	6,629436	6,524162	6,725946	6,343218	6,3372953	6,531108667	0,19381333	1,143782972	---
17426698	3,37699	3,066137	3,177083	3,31233	3,491136	3,398236	3,2067367	3,400567333	0,19383067	1,143796715	---
17386426	4,673285	4,65348	5,139908	5,002016	4,955396	5,0908	4,8222243	5,016070667	0,19384633	1,143809135	Dlx1as
17260968	6,499518	6,641078	6,454624	6,779532	6,680243	6,71701	6,53174	6,725595	0,193855	1,143816007	Ehbp1
17449645	6,139925	6,212051	6,365949	6,250963	6,463661	6,584935	6,2393083	6,433186333	0,193878	1,143834242	---
17389997	5,077672	5,265532	5,391612	5,28562	5,480392	5,550575	5,2449387	5,438862333	0,19392367	1,143870449	Spnb5
17496742	5,947891	5,761493	6,002929	6,029166	6,090432	6,17455	5,9041043	6,098049333	0,193945	1,143887364	Bcl7c
17314564	7,062021	6,940541	6,960485	7,2534	7,231832	7,059702	6,9876823	7,181644667	0,19396233	1,143901107	Tmem106c
17219472	9,674231	10,01428	9,700767	9,930277	9,989425	10,05147	9,796426	9,990390667	0,19396467	1,143902957	---
17203883	5,8368	5,892777	5,936179	6,460307	5,683906	6,103637	5,8885853	6,082616667	0,19403133	1,143955818	---
17366774	6,574696	6,588413	6,518564	6,84872	6,483794	6,931255	6,5605577	6,754589667	0,194032	1,143956347	---

17366784	6,574696	6,588413	6,518564	6,84872	6,483794	6,931255	6,5605577	6,754589667	0,194032	1,143956347	---
17366820	6,574696	6,588413	6,518564	6,84872	6,483794	6,931255	6,5605577	6,754589667	0,194032	1,143956347	---
17512460	9,513248	9,646233	9,757288	9,68391	10,02008	9,794965	9,638923	9,832985	0,194062	1,143980135	---
17453634	5,235509	4,496558	4,755596	5,02141	5,113832	4,934655	4,829221	5,023299	0,194078	1,143992822	Styxl1
17373057	4,14368	3,994832	4,14368	4,14368	4,430477	4,290277	4,094064	4,288144667	0,19408067	1,143994937	Agbl2
17270727	4,501098	4,72455	4,081401	4,721445	4,649512	4,518432	4,435683	4,629796333	0,19411333	1,14402084	---
17501311	10,63914	10,46129	10,12138	10,76667	10,46165	10,57585	10,40727	10,60139	0,19412	1,144026127	---
17454145	5,946579	5,944346	6,196429	6,473125	6,081802	6,11483	6,029118	6,223252333	0,19413433	1,144037493	6430598A04Rik
17389144	9,108194	8,627011	8,47296	9,021966	8,925377	8,843319	8,736055	8,930220667	0,19416567	1,14406234	Bbox1
17288780	7,498534	7,539187	7,463416	7,727336	7,754593	7,601737	7,500379	7,694555333	0,19417633	1,144070799	Mctp1
17204431	5,069982	4,868182	5,134736	5,117441	5,281076	5,256994	5,0243	5,218503667	0,19420367	1,144092474	---
17234643	5,49117	5,514573	5,444227	5,649234	5,659379	5,724061	5,4833233	5,677558	0,19423467	1,144117058	2810425M01Rik
17210425	3,725807	3,660341	3,35539	3,700023	3,75283	3,871913	3,5805127	3,774922	0,19440933	1,144255585	---
17449556	9,735028	9,906672	10,09058	10,0173	10,45252	9,845785	9,91076	10,10520167	0,19444167	1,14428123	---
17322481	8,624426	9,009167	9,015205	9,333865	8,781942	9,11642	8,8829327	9,077409	0,19447633	1,144308726	---
17473695	4,083892	3,981929	3,738657	4,149057	3,815607	4,423405	3,934826	4,129356333	0,19453033	1,144351558	Gm6909
17417302	4,884322	4,803218	4,90729	5,004815	5,075735	5,097936	4,8649433	5,059495333	0,194552	1,144368745	---
17295456	3,606387	3,642114	3,471992	3,824662	3,975644	3,503851	3,5734977	3,768052333	0,19455467	1,14437086	2310020H05Rik
17261169	3,816832	3,710774	3,857241	4,016163	3,891026	4,061378	3,794949	3,989522333	0,19457333	1,144385667	---
17427000	4,104609	4,116385	4,036373	4,229859	4,279072	4,332178	4,085789	4,280369667	0,19458067	1,144391484	---
17320189	7,821723	7,670811	7,505984	7,944878	7,673805	7,963618	7,6661727	7,860767	0,19459433	1,144402325	Alg12
17328933	8,147603	8,348102	8,218907	8,532673	8,480267	8,285498	8,238204	8,432812667	0,19460867	1,144413694	Mir185
17390670	3,430449	3,290348	3,285334	3,513383	3,596282	3,480317	3,335377	3,529994	0,194617	1,144420305	Mageb3
17206123	4,082486	3,300419	3,337768	3,515917	4,219606	3,569066	3,5735577	3,768196333	0,19463867	1,144437492	---
17244864	5,256314	5,467789	5,330596	5,45771	5,671137	5,509793	5,3515663	5,546213333	0,194647	1,144444103	Nav3
17425408	4,934472	4,918263	5,100691	5,310339	5,075863	5,151252	4,9844753	5,179151333	0,194676	1,144467108	---
17206467	9,636835	9,642427	10,03385	10,16443	9,706602	10,02621	9,7710373	9,965747333	0,19471	1,14449408	---
17200191	5,99333	6,162347	6,149253	6,149384	6,485532	6,254206	6,1016433	6,296374	0,19473067	1,144510475	---
17494142	4,194166	3,366451	3,631849	3,753356	4,097033	3,926276	3,730822	3,925555	0,194733	1,144512326	Olfr566
17376933	4,722145	4,829562	4,588194	4,849138	5,059597	4,81567	4,7133003	4,908135	0,19483467	1,144592982	Macrod2
17414971	5,248764	5,203648	5,009023	5,420526	5,384478	5,240977	5,1538117	5,348660333	0,19484867	1,14460409	Tyrp1
17208201	5,904706	5,793885	5,657654	6,143917	6,038405	5,758471	5,785415	5,980264333	0,19484933	1,144604619	---
17244695	4,061102	4,238693	4,059566	4,48318	4,147471	4,313265	4,119787	4,314638667	0,19485167	1,14460647	---
17329020	5,947577	5,628728	5,222097	5,958243	5,6752	5,749547	5,5994673	5,79433	0,19486267	1,144615197	---
17380370	5,548266	5,527755	5,618168	5,895986	5,672675	5,710128	5,5647297	5,759596333	0,19486667	1,144618371	Zfp831
17327950	6,764505	6,940067	6,784503	6,7897	7,314845	6,969198	6,8296917	7,024581	0,19488933	1,144636354	AU021092
17513031	8,761449	8,804285	8,629225	8,891706	9,033182	8,854893	8,731653	8,926593667	0,19494067	1,144677083	Glg1
17306577	5,930517	5,70491	5,830708	5,869067	6,158789	6,023135	5,822045	6,016997	0,194952	1,144686075	Myh7
17208649	6,388746	6,500078	6,234852	7,358653	5,772548	6,577357	6,3745587	6,569519333	0,19496067	1,144692952	---
17205701	3,124083	2,978903	3,145833	3,220302	3,028486	3,584939	3,0829397	3,277909	0,19496933	1,144699828	---
17384146	6,818069	6,93253	6,729503	7,044632	6,982291	7,038143	6,8267007	7,021688667	0,194988	1,144714639	Ralgps1
17222707	4,353987	4,343868	4,463302	4,630567	4,688985	4,426712	4,3870523	4,582088	0,19503567	1,144752461	4832428D23Rik
17299965	5,858427	5,756002	5,996609	5,728638	6,440422	6,027106	5,870346	6,065388667	0,19504267	1,144758015	---
17205357	9,166572	8,597158	8,718158	9,052313	9,196952	8,817937	8,827296	9,022400667	0,19510467	1,144807213	---
17200139	3,551626	3,315556	3,906034	4,280984	3,532485	3,545087	3,591072	3,786185333	0,19511333	1,14481409	---
17240146	7,641207	7,831974	7,697909	8,156628	7,776542	7,823281	7,7236967	7,918817	0,19512033	1,144819645	Zufsp
17449539	10,61043	10,9658	10,57209	10,9195	10,83185	10,98245	10,716107	10,91126667	0,19516	1,144851122	---
17269136	4,153968	4,21452	4,111234	4,383392	4,253297	4,428567	4,1599073	4,355085333	0,195178	1,144865406	Krtap3-1
17288350	3,067817	3,175144	3,233192	3,267243	3,270892	3,523586	3,1587177	3,353907	0,19518933	1,144874399	Gm10037
17224745	7,087321	7,180459	7,069192	7,253085	7,524132	7,145434	7,112324	7,307550333	0,19522633	1,144903762	Wdfy1
17395876	6,95641	6,969183	6,820707	7,19166	7,17633	6,964081	6,9154333	7,110690333	0,195257	1,144928099	Uckl1
17329013	7,283129	6,776202	6,422863	7,272223	6,693765	7,102101	6,827398	7,022696333	0,19529833	1,144960901	---
17437227	4,526299	4,344061	4,766425	4,582495	4,745802	4,89461	4,545595	4,740969	0,195374	1,145020954	---
17436793	10,40355	10,29067	10,5493	10,49442	10,77275	10,56248	10,414507	10,60988333	0,19537667	1,14502307	Hgfac
17391792	5,315034	5,390069	5,58535	5,495506	5,924627	5,456477	5,430151	5,625536667	0,19538567	1,145030213	Gfra4
17357539	11,21797	11,02988	11,21953	11,23707	11,5639	11,25258	11,155793	11,35118333	0,19539	1,145033653	---
17538704	6,977482	6,821771	6,352972	7,129676	6,788394	6,820405	6,7174083	6,912825	0,19541667	1,145054818	Phf8
17378598	3,815516	3,844111	3,751276	3,83431	4,29945	3,863673	3,8036343	3,999144333	0,19551	1,145128898	---
17547943	5,32453	4,987889	5,223343	5,320956	5,410495	5,390843	5,1785873	5,374098	0,19551067	1,145129427	Etv5 // Etv5
17200017	3,532681	3,308611	5,303222	4,06512	4,454778	4,211154	4,0481713	4,243684	0,19551267	1,145131015	---
17451839	5,914767	6,30116	5,790306	5,904272	6,039558	6,64897	6,0020777	6,1976	0,19552233	1,145138687	---
17213687	5,823575	6,369923	6,124122	6,080567	6,481393	6,342261	6,1058733	6,301407	0,19553367	1,145147683	Ccnyl1
17206829	6,700904	6,108857	6,707698	6,961776	6,491853	6,650528	6,5058197	6,701385667	0,195566	1,145173348	---
17459676	8,186865	8,270216	7,943393	8,240596	8,432343	8,314588	8,1334913	8,329175667	0,19568433	1,145267282	Retsat
17200501	4,434721	4,784611	4,358842	5,204363	4,209117	4,752033	4,526058	4,721837667	0,19577967	1,145342964	---
17540460	5,525323	5,816001	5,257739	5,637222	5,786328	5,76292	5,533021	5,728823333	0,19580233	1,145360959	BC049702
17454416	7,5388	7,64946	7,326681	7,611532	7,618272	7,872552	7,5049803	7,700785333	0,195805	1,145363076	Zfand2a
17209967	8,861671	8,338462	8,118189	8,685673	8,781973	8,438103	8,4394407	8,635249667	0,195809	1,145366252	---
17267970	5,001318	5,03769	5,106676	5,390827	5,359661	4,982645	5,0485613	5,244377667	0,19581633	1,145372074	Mycbpap
17326839	3,529579	3,438448	3,525375	3,631758	3,733247	3,715869	3,4978007	3,693624667	0,195824	1,14537816	4930556C24Rik
17244234	3,361553	3,392278	3,510213	3,494684	3,757688	3,599311	3,421348	3,617227667	0,19587967	1,145422356	LOC627800
17498310	5,374297	5,475794	5,332967	5,520114	5,503847	5,746748	5,3943527	5,590236333	0,19588367	1,145425532	Tnfrsf22
17316378	5,503469	5,474366	5,387727	5,229302	6,097657	5,62628	5,4551873	5,651079667	0,19589233	1,145432412	Rpl30
17497709	4,867448	4,664833	5,114299	5,012549	5,288369	4,933411	4,8821933	5,078109667	0,19591633	1,145451468	Ifitm5
17304138	4,302177	3,73899	4,062782	4,207927	4,184002	4,299884	4,0346497	4,230604333	0,19595467	1,145481903	---
17442284	7,056273	7,100838	7,125175	7,348672	7,188708	7,332814	7,0940953	7,290064667	0,19596933	1,145493549	Mlxip
17273135	6,081095	6,477408	6,421988	6,525186	6,415174	6,628144	6,3268303	6,522834667	0,19600433	1,145521339	Mrpl12 // Mrpl12
17357092	5,793187	5,405842	4,855731	5,315093	5,662401	5,665492	5,3515867	5,547662	0,19607533	1,145577715	Slc22a8
17380813	5,432364	5,321826	5,406892	5,357888	5,723478	5,668088	5,3870273	5,583151333	0,196124	1,14561636	Col9a3
17241137	5,80959	5,818377	5,984872	6,184928	6,009591	6,006841	5,8709463	6,06712	0,19617367	1,1456558	Unc5b
17295817	6,560083	6,342179	6,44294	6,676999	6,521505	6,735252	6,4484007	6,644585333	0,19618467	1,145664535	Mast4
17548484	5,285004	5,518033	5,395357	5,767378	5,343776	5,675892	5,3994647	5,595682	0,19621733	1,145690476	D5Ertd683e
17498241	4,398576	4,037078	4,431656	4,578945	4,440177	4,436949	4,2891033	4,485357	0,19625367	1,14571933	4933417O13Rik
17448789	8,812247	8,059913	7,864321	8,356915	8,683656	8,284732	8,2454937	8,441767667	0,196274	1,145735478	---
17376365	8,591776	8,626653	8,732906	8,856852	8,870377	8,812985	8,650445	8,846738	0,196293	1,145750567	Mrps26
17203593	3,879243	4,537776	4,542428	5,10151	4,081138	4,36575	4,3198157	4,516132667	0,196317	1,145769628	---
17394121	5,480539	5,451753	5,52009	5,912215	5,79018	5,338966	5,4841273	5,680453667	0,19632633	1,14577704	Wfdc15a
17210589	4,74153	4,249729	4,361853	4,8511	4,520972	4,570087	4,4510373	4,647386333	0,196349	1,145795042	---
17256306	4,602586	5,00271	4,747356	5,031874	4,767816	5,142078	4,7842173	4,980589333	0,196372	1,145813309	Gm11559
17373930	8,346555	8,33703	7,97205	8,245984	8,530888	8,46799	8,218545	8,414954	0,196409	1,145842695	0610012H03Rik
17340449	9,005912	9,253064	8,979498	9,367785	9,286154	9,173784	9,0794913	9,275907667	0,19641633	1,14584852	Tfb1m
17478431	4,30604	4,137531	4,568768	4,720202	4,328564	4,552831	4,3374463	4,533865667	0,19641933	1,145850902	4933405O20Rik
17503825	7,413491	7,520079	7,158957	7,543251	7,549299	7,58945	7,3641757	7,560666667	0,196491	1,145907824	Mmp2
17419553	5,599384	6,140952	6,026058	5,922297	6,261779	6,17195	5,9221313	6,118675333	0,196544	1,145949922	Map3k6
17454750	5,123977	5,166381	4,918643	5,436374	5,371904	4,990369	5,069667	5,266215667	0,19654867	1,145953629	D430018E03Rik
17501188	7,906224	7,615808	7,900299	7,918839	8,148772	7,944485	7,8074437	8,004032	0,19658833	1,145985137	---
17507515	3,919562	4,161512	4,048903	4,467454	4,108571	4,14376	4,0433257	4,239928333	0,19660267	1,145996523	Gm15348
17535274	7,021474	6,433325	6,906559	6,943709	7,288683	6,718816	6,7871193	6,983736	0,19661667	1,146007644	1110012L19Rik
17282975	3,507228	3,540262	3,544218	3,75813	3,69875	3,724802	3,5305693	3,727227333	0,196658	1,146040477	4930544I03Rik
17429837	5,401027	5,160227	5,614804	5,613325	5,521384	5,63138	5,3920193	5,588696333	0,196677	1,146055571	1700021L23Rik
17514998	4,912131	4,615346	4,500203	4,712127	4,74578	5,16004	4,6758933	4,872649	0,19675567	1,146118064	5730577I03Rik
17316739	9,886908	9,701231	9,637536	9,914024	9,946018	9,955905	9,7418917	9,938649	0,19675733	1,146119388	Dpys
17454789	6,434703	5,937057	6,569427	6,738573	6,363032	6,429857	6,313729	6,510487333	0,19675833	1,146120182	Gm3925
17214341	7,731636	7,887023	7,807579	8,043322	7,899159	8,074099	7,808746	8,005526667	0,19678067	1,146137925	Ttll4
17378296	3,238808	3,16782	3,092352	3,372987	3,541348	3,175148	3,1663267	3,363161	0,19683433	1,146180561	---
17540059	6,397168	6,475755	6,793687	7,016031	6,683642	6,557478	6,5555367	6,752383667	0,196847	1,146190624	Porcn
17248069	9,341922	9,087807	9,203328	9,675288	9,277523	9,270805	9,211019	9,407872	0,196853	1,146195391	---
17477856	5,419896	5,761523	5,779761	5,889775	5,692119	5,969891	5,6537267	5,850595	0,19686833	1,146207573	Plekha4
17357872	5,534366	5,556264	5,816655	5,835106	5,875202	5,787626	5,6357617	5,832644667	0,196883	1,146219226	Lpxn
17423193	4,059215	4,029945	3,87991	4,137749	4,29909	4,122975	3,98969	4,186044667	0,19691467	1,146244385	1700123O12Rik
17240239	5,156087	4,677037	4,861364	5,185435	5,123662	4,976198	4,8981627	5,095098333	0,19693567	1,14626107	1700025K23Rik
17501270	5,074461	5,377478	4,762889	5,098966	5,210363	5,496318	5,0716093	5,268549	0,19693967	1,146264248	---
17323503	8,654535	8,592623	8,430887	8,783109	8,749414	8,736469	8,5593483	8,756330667	0,19698233	1,146298149	Lztr1
17549254	5,615241	5,52924	5,777957	6,032557	5,703228	5,77776	5,6408127	5,837848333	0,19703567	1,146340525	---
17549326	5,615241	5,52924	5,777957	6,032557	5,703228	5,77776	5,6408127	5,837848333	0,19703567	1,146340525	---
17496947	8,286653	8,41217	8,224009	8,463017	8,595247	8,455695	8,3076107	8,504653	0,19704233	1,146345823	Fgfr2
17457876	9,581898	9,512256	9,178449	9,472434	9,658407	9,733031	9,424201	9,621290667	0,19708967	1,146383434	Gstk1
17446231	4,734462	4,45507	4,781075	4,831676	4,861197	4,869212	4,656869	4,854028333	0,19715933	1,146438793	4931409K22Rik
17400803	8,285347	8,982105	8,847648	9,032798	8,918799	8,755035	8,7050333	8,902210667	0,19717733	1,146453097	---
17394582	7,148036	6,938173	7,082229	7,314609	7,115572	7,329815	7,056146	7,253332	0,197186	1,146459984	Prex1
17249808	3,63566	3,541277	3,630009	3,630215	4,133954	3,634339	3,6023153	3,799502667	0,19718733	1,146461044	---
17346856	7,377114	7,363084	7,002854	7,43951	7,481524	7,413672	7,247684	7,444902	0,197218	1,146485414	Ptprm
17542829	4,376658	4,237215	4,361822	4,61733	4,683022	4,267039	4,3252317	4,522463667	0,197232	1,146496539	Rab39b
17209517	6,172262	6,424484	6,069926	6,311973	6,108272	6,838274	6,222224	6,419506333	0,19728233	1,146536539	---
17550809	4,504214	4,453365	4,900308	4,796087	4,900308	4,753362	4,6192957	4,816585667	0,19729	1,146542632	---
17354739	5,569327	5,441504	5,677307	5,838975	5,780777	5,660265	5,5627127	5,760005667	0,197293	1,146545016	Ppargc1b
17477060	7,192029	7,269094	6,732951	7,25423	7,393223	7,138501	7,0646913	7,261984667	0,19729333	1,146545281	Siglec5
17506137	6,454396	6,462219	6,6321	6,548624	6,8677	6,72432	6,5162383	6,713548	0,19730967	1,146558262	Wfdc1
17467551	3,322763	3,053812	3,153102	3,485558	3,141637	3,494448	3,176559	3,373881	0,197322	1,146568064	---
17279550	5,551675	5,726549	5,696073	5,881042	5,807056	5,878179	5,658099	5,855425667	0,19732667	1,146571772	---
17223298	10,96722	10,98749	10,95946	11,36786	10,99673	11,14196	10,97139	11,16885	0,19746	1,146677743	---
17209961	4,814085	4,4723	4,668603	5,501502	4,365544	4,680467	4,6516627	4,849171	0,19750833	1,14671616	---
17412696	4,04832	3,838588	4,109825	4,139937	4,597089	3,852286	3,998911	4,196437333	0,19752633	1,146730467	3110043O21Rik
17487533	7,112535	7,277878	6,151494	7,118974	6,815314	7,200211	6,8473023	7,044833	0,19753067	1,146733911	Vmn1r103

17339801	6,992868	7,148537	6,868577	7,419004	7,086824	7,096807	7,0033273	7,200878333	0,197551	1,146750074	Crim1
17209623	6,341096	5,068698	6,258402	6,239936	5,588554	6,432369	5,8893987	6,086953	0,19755433	1,146752723	---
17210821	4,67224	4,228193	4,872253	5,25753	4,54113	4,566723	4,5908953	4,788461	0,19756567	1,146761732	---
17366235	5,237494	5,416921	5,667188	5,322362	5,845634	5,746489	5,4405343	5,638161667	0,19762733	1,14681075	LOC100041824
17203771	3,16942	3,29237	3,593832	3,7853	2,901424	3,961857	3,351874	3,549527	0,197653	1,146831153	---
17299481	4,092349	3,823032	4,288307	4,513259	4,116817	4,166711	4,067896	4,265595667	0,19769967	1,14686825	Olfr736
17204983	4,926189	5,378977	5,047421	5,448689	5,516237	4,980769	5,117529	5,315231667	0,19770267	1,146870635	---
17206945	3,20773	3,283478	3,708757	3,331121	4,055399	3,40658	3,3999883	3,5977	0,19771167	1,146877789	---
17275596	3,827192	3,887993	3,595877	4,119547	3,943659	3,841073	3,770354	3,968093	0,197739	1,146899518	C87198
17353716	6,018886	6,510385	6,268687	6,562971	6,538809	6,289463	6,265986	6,463747667	0,19776167	1,146917538	Apbb3
17210531	8,03396	7,61428	7,701553	8,061482	7,864129	8,017519	7,7832643	7,981043333	0,197779	1,146931317	---
17219053	4,716529	5,26636	5,002884	5,00071	5,513903	5,064508	4,9952577	5,193040333	0,19778267	1,146934232	Ildr2
17206657	5,000617	4,770168	4,470317	5,451264	5,078968	4,304295	4,747034	4,944842333	0,19780833	1,146954637	---
17307305	5,04285	5,25062	5,285847	5,409695	5,489584	5,273715	5,1931057	5,390998	0,19789233	1,14702142	Gm6907
17298021	5,344973	5,481801	5,611954	5,524154	5,953135	5,55541	5,479576	5,677566333	0,19799033	1,147099338	Il17rd
17416749	3,749336	3,066611	3,483159	3,333794	3,863777	3,696008	3,4330353	3,631193	0,19815767	1,147232394	---
17281097	3,903977	3,630007	3,844898	3,851138	4,091083	4,031494	3,7929607	3,991238333	0,19827767	1,147327822	Gm10465
17505742	5,179965	4,666842	4,629454	4,810001	5,213149	5,047986	4,8254203	5,023712	0,19829167	1,147338956	---
17479769	5,118333	4,679361	4,936695	5,051034	5,169233	5,109148	4,911463	5,109805	0,198342	1,147378985	Adamtsl3
17305321	5,446176	5,511091	5,475346	5,737682	5,664577	5,625393	5,4775377	5,675884	0,19834633	1,147382432	---
17235268	10,39514	10,34402	10,41136	10,48945	10,60378	10,65239	10,383507	10,58187333	0,19836667	1,147398603	Ndufs7
17363727	5,194686	5,049053	5,086685	5,422463	5,249092	5,253975	5,1101413	5,30851	0,19836867	1,147400194	Glis3
17448804	8,505237	8,785796	8,354712	8,429847	9,021966	8,789062	8,5485817	8,746958333	0,19837667	1,147406556	---
17361798	11,9264	11,88069	12,01847	12,23605	12,10121	12,08354	11,941853	12,14026667	0,19841333	1,147435718	Malat1
17370358	4,172619	4,064919	4,165785	4,435989	4,454709	4,107913	4,134441	4,332870333	0,19842933	1,147448444	Olfr356
17419692	4,860132	4,796864	4,794018	5,171282	5,027272	4,847774	4,8170047	5,015442667	0,198438	1,147455337	Ubxn11
17283440	3,880143	3,822663	3,524595	3,817678	3,962738	4,042329	3,742467	3,940915	0,198448	1,147463291	---
17413162	5,674676	5,518032	6,146296	5,959332	5,98754	5,98754	5,779668	5,978137333	0,19846933	1,147480258	---
17433973	5,06805	4,82166	5,303861	5,223093	5,50353	5,062447	5,0645237	5,263023333	0,19849967	1,147504385	Mir200a
17515420	4,70816	4,482894	4,867539	5,344377	4,28384	5,026016	4,6861977	4,884744333	0,19854667	1,147541769	Zfp872
17244371	3,751572	3,739305	3,858739	4,021143	3,955553	3,968575	3,7832053	3,981757	0,19855167	1,147545746	Gm15915
17207695	6,600983	6,654856	7,199387	7,09967	6,681015	7,270295	6,8184087	7,016993333	0,19858467	1,147571995	---
17240123	3,655428	3,67193	3,707719	3,975306	3,949848	3,705747	3,678359	3,876967	0,198608	1,147590555	Clvs2
17525263	10,76232	10,64378	10,55063	10,75187	10,89446	10,90623	10,652243	10,85085333	0,19861	1,147592146	Aplp2
17387583	3,001899	3,114518	2,983517	3,297327	3,301722	3,096847	3,0333113	3,231965333	0,198654	1,147627147	Olfr992
17529058	4,886697	4,822487	5,194668	5,082052	5,235908	5,181918	4,9679507	5,166626	0,19867533	1,147644117	Mto1
17220526	3,425526	4,267878	4,180222	4,128257	3,880004	4,461611	3,9578753	4,156624	0,19874867	1,147702454	Snora36b
17210017	6,529399	6,387195	7,050194	7,038733	6,785583	6,738815	6,655596	6,854377	0,198781	1,147728176	---
17260396	6,338754	6,493778	6,56914	6,740258	6,587134	6,670719	6,467224	6,666037	0,198813	1,147753634	Gm11974
17443732	8,893879	8,585032	8,631768	8,765376	8,979065	8,962751	8,7035597	8,902397333	0,19883767	1,147773258	Zkscan1
17548268	5,376422	5,383148	5,290823	5,69097	5,380077	5,575924	5,350131	5,548990333	0,19885933	1,147790496	Gm19445
17368683	5,639863	5,512684	5,748509	5,57179	5,893145	6,032736	5,6336853	5,832557	0,19887167	1,147800308	---
17433523	7,5762	7,606779	7,706115	7,902503	7,777623	7,805737	7,629698	7,828621	0,198923	1,147841149	---
17284288	4,287736	4,590945	4,753606	4,863824	4,401193	4,96404	4,5440957	4,743019	0,19892333	1,147841414	C130036K02
17453104	6,7178	7,120641	7,023696	7,138628	7,199706	7,120591	6,9540457	7,152975	0,19892933	1,147846188	Gm6139
17359504	9,614488	9,520123	9,496164	9,82134	9,741076	9,665257	9,5435917	9,742557667	0,198966	1,147875362	Hoga1
17278818	6,712255	7,044604	6,906013	7,476269	6,763017	7,020541	6,887624	7,086609	0,198985	1,147890479	Mir329
17547982	5,411891	5,205226	5,503324	5,577841	5,665615	5,474067	5,3734803	5,572507667	0,19902733	1,147924162	1700063K16Rik
17240556	3,99031	4,323614	4,485684	4,55414	4,562573	4,280256	4,266536	4,465656333	0,19912033	1,147998163	Nr2e1
17216751	6,981284	5,878759	6,617787	7,04218	6,730673	6,302346	6,49261	6,691733	0,199123	1,148000285	---
17422933	3,784543	3,618289	3,528279	3,896316	3,875641	3,756748	3,6437037	3,842901667	0,199198	1,148059966	Vmn2r123 // Vmn2r123
17203671	6,198461	6,11874	6,45452	6,740308	6,489849	6,139307	6,2572403	6,456488	0,19924767	1,148099491	---
17210427	3,366652	3,248754	3,012639	3,003152	3,613533	3,609224	3,2093483	3,408636333	0,199288	1,148131588	---
17200037	5,751505	4,228194	4,782392	5,034424	5,075387	5,250534	4,920697	5,120115	0,199418	1,14823505	---
17203469	6,226808	6,362804	6,935003	6,766273	6,692522	6,664227	6,508205	6,707674	0,199469	1,148275642	---
17208367	5,378037	4,349579	5,597124	5,425987	4,944893	5,552282	5,1082467	5,307720667	0,199474	1,148279621	---
17347680	8,30803	8,44805	8,273026	8,549592	8,488274	8,589699	8,3430353	8,542521667	0,19948633	1,148289438	Zfp36l2
17378323	10,27227	10,62862	10,69322	10,67965	10,74485	10,76813	10,53137	10,73087667	0,19950667	1,148305622	---
17208189	3,247301	2,934506	3,233192	3,529557	3,417413	3,066572	3,138333	3,337847333	0,19951433	1,148311724	---
17377144	5,390343	4,789476	5,065555	5,398275	5,24243	5,203248	5,0817913	5,281317667	0,19952633	1,148321275	Slc24a3
17240176	4,362615	4,203767	4,406964	4,485734	4,678075	4,408137	4,3244487	4,523982	0,19953333	1,148326847	Fam26d
17280495	3,566884	3,436343	3,438012	3,710134	3,705585	3,624125	3,480413	3,679948	0,199535	1,148328174	---
17223571	4,150567	3,958991	4,521014	4,262387	4,717017	4,249774	4,2101907	4,409726	0,19953533	1,148328439	---
17227861	4,80909	4,726111	4,876047	5,037664	5,282218	4,690018	4,8037493	5,0033	0,19955067	1,148340644	---
17446037	8,27102	8,16048	8,063654	8,468647	8,358778	8,26641	8,1650513	8,364611667	0,19956033	1,148348338	Srpk2
17201041	4,800763	5,346529	4,852981	5,056973	5,412243	5,12976	5,000091	5,199658667	0,19956767	1,148354175	---
17456048	5,971426	6,175007	6,096572	6,233642	6,295146	6,31294	6,0810017	6,280576	0,19957433	1,148359482	Gm20120
17351587	5,3699	4,893407	4,954941	5,350819	5,100662	5,365521	5,0727493	5,272334	0,19958467	1,148367707	Mc5r
17352427	5,604024	5,627316	5,883052	6,003916	5,82877	5,88047	5,7047973	5,904385333	0,199588	1,14837036	Gm10125
17207567	2,939525	3,651848	2,629987	3,130915	3,164546	3,524883	3,0737867	3,273448	0,19966133	1,148428734	---
17209085	7,197494	6,914824	6,723678	7,05919	7,167999	7,207978	6,945332	7,145055667	0,19972367	1,148478355	---
17215681	3,621548	3,835123	3,952034	3,966738	4,13683	3,904359	3,8029017	4,002642333	0,19974067	1,148491888	Rbm44
17468654	4,29623	4,202426	4,365796	4,475893	4,537414	4,450433	4,2881507	4,487913333	0,19976267	1,148509402	Gm19618
17296953	6,699969	6,506598	6,161053	6,811969	6,610264	6,544836	6,4558733	6,655689667	0,19981633	1,148552126	Gm10413
17208893	4,670209	5,282424	5,127103	5,09267	5,693698	4,892873	5,0265787	5,226413667	0,199835	1,148566987	---
17486455	3,323613	3,290493	3,310582	3,441528	3,954158	3,128639	3,3082293	3,508108333	0,199879	1,148602017	Vmn1r68
17529855	6,081095	6,089108	5,680159	6,172798	6,077134	6,200086	5,9501207	6,150006	0,19988533	1,148607059	Zbtb38
17210765	6,322293	6,034616	6,257076	6,823295	6,202829	6,187572	6,2046617	6,404565333	0,19990367	1,148621655	---
17372002	4,647664	4,426515	4,602859	4,771382	4,785188	4,720302	4,5590127	4,758957333	0,19994467	1,148654298	---
17356312	3,953327	3,90817	3,836111	4,056693	3,93975	4,301048	3,8992027	4,099163667	0,199961	1,148667303	---
17372054	5,526535	5,244385	5,411579	5,834249	5,375404	5,572734	5,3941663	5,594129	0,19996267	1,14866863	Hoxd10
17245032	4,208672	4,209054	4,481479	4,201568	4,89766	4,399913	4,299735	4,499713667	0,19997867	1,148681369	---
17356994	6,089233	6,090663	5,968539	6,089558	6,220992	6,437874	6,0494783	6,249474667	0,19999633	1,148695436	Trpt1
17203273	3,085173	2,924025	3,288653	3,24657	3,382602	3,268739	3,0992837	3,299303667	0,20002	1,148714279	---
17297591	6,588913	6,330067	6,617377	6,790361	6,736869	6,609283	6,512119	6,712171	0,200052	1,148739759	---
17500172	9,45599	9,286811	9,382259	9,575465	9,708233	9,441603	9,37502	9,575100333	0,20008033	1,14876232	Ppapdc1b
17368175	4,562696	4,572502	4,422538	4,688158	4,84614	4,623798	4,5192453	4,719365333	0,20012	1,148793905	Lcn14
17428763	4,850464	4,794047	5,061508	5,052869	5,034335	5,219475	4,9020063	5,102226333	0,20022	1,148873536	---
17305360	7,05416	6,784342	6,54794	7,225891	6,872912	6,888319	6,7954807	6,995707333	0,20022667	1,148878845	---
17368067	2,986926	3,094266	3,143544	3,355695	3,393677	3,076242	3,074912	3,275204667	0,20029267	1,148931405	Mir3087
17210787	5,081614	4,80298	4,598548	4,786236	5,174642	5,123161	4,827714	5,028013	0,200299	1,148936449	---
17538839	9,726255	10,02863	9,628485	9,708834	9,961843	10,31366	9,7944567	9,994779	0,20032233	1,148955031	---
17379375	4,777749	4,274339	4,740602	4,733071	5,015331	4,645278	4,5975633	4,797893333	0,20033	1,148961137	---
17416921	5,792557	5,600058	5,941125	6,080396	5,937284	5,91709	5,7779133	5,978256667	0,20034333	1,148971755	Dmrta2
17536436	3,937934	3,729906	3,886134	4,045757	4,128177	3,981078	3,8513247	4,051670667	0,200346	1,148973879	Ar
17262209	5,591948	6,679166	5,746399	6,152295	6,250665	6,215697	6,0058377	6,206219	0,20038133	1,149002019	Gm5431
17204025	5,524839	5,635493	5,464811	5,543146	5,505733	6,17742	5,5417143	5,742099667	0,20038533	1,149005205	---
17418976	6,16277	6,173632	6,251895	6,402649	6,401437	6,38551	6,196099	6,396532	0,200433	1,149043169	Sync
17415432	6,884569	6,629041	6,862929	6,905172	7,043287	7,029386	6,7921797	6,992615	0,20043533	1,149045027	---
17211439	3,876277	3,839882	3,834903	3,598669	4,315433	4,238285	3,850354	4,050795667	0,20044167	1,149050071	---
17453794	3,744213	3,93993	3,822181	3,943831	4,255805	3,908221	3,8354413	4,035952333	0,200511	1,149105294	---
17382087	3,678563	3,901256	4,259459	4,382288	3,935545	4,123033	3,946426	4,146955333	0,20052933	1,149119897	Gm3230
17416023	5,518824	5,877011	5,619622	6,090208	5,756281	5,77057	5,671819	5,872353	0,200534	1,149123614	Pde4b
17467427	6,580346	6,477672	6,466255	6,689653	6,657123	6,779103	6,508091	6,708626333	0,20053533	1,149124676	---
17334009	6,298279	6,477082	6,552866	6,51645	6,5626	6,850874	6,4427423	6,643308	0,20056567	1,149148837	Zfp946
17445860	6,511167	6,758879	6,059246	6,504609	6,637092	6,789639	6,4430973	6,64378	0,20068267	1,149242034	Napepld
17423051	10,97323	10,94039	10,9863	11,08099	11,15648	11,26464	10,96664	11,16737	0,20073	1,149279741	Cyp7a1
17206497	8,21712	8,416967	8,584116	8,617261	8,629715	8,573427	8,4060677	8,606801	0,20073333	1,149282396	---
17396341	3,886884	3,431715	3,776331	3,788236	4,265972	3,642938	3,69831	3,899048667	0,20073867	1,149286645	---
17434236	5,860363	5,667179	6,392876	6,951206	5,892938	5,678528	5,9734727	6,174224	0,20075133	1,149296735	4933409K07Rik // 4933409K07Rik
17346477	6,895159	6,891733	6,847292	7,197892	7,068116	6,970496	6,8780613	7,078834667	0,20077333	1,149314261	Dennd1c
17203569	4,095932	4,501698	4,287962	5,019753	4,464573	4,003886	4,2951973	4,496070667	0,20087333	1,149393928	---
17484097	9,749711	9,450312	9,335636	9,802855	9,694458	9,641045	9,5118863	9,712786	0,20089967	1,149414908	---
17406659	10,2499	10,3788	10,53448	10,73217	10,4253	10,60851	10,387727	10,58866	0,20093333	1,149441731	---
17286587	8,705482	8,737698	8,517003	8,747554	8,907047	8,908395	8,6533943	8,854332	0,20093767	1,149445184	Ly86
17412851	7,608724	7,860188	8,653521	8,425657	7,989755	8,309954	8,040811	8,241788667	0,20097767	1,149477054	---
17242644	6,525074	6,800628	7,058226	7,094633	7,038902	6,85337	6,7946427	6,995635	0,20099233	1,149488739	Odf3l2
17407098	7,516163	7,485423	7,812805	7,809186	7,803655	7,804626	7,604797	7,805822333	0,20102533	1,149515033	Flad1
17486099	9,135631	8,961056	8,707885	9,111954	9,077615	9,218114	8,9348573	9,135894333	0,201037	1,149524329	Zim1
17354411	6,876344	6,902194	6,594383	6,969231	7,089641	6,917552	6,7909737	6,992141333	0,20116767	1,149628447	Zfp608
17367900	9,013515	9,126221	8,828482	9,008589	9,175718	9,38743	8,989406	9,190579	0,201173	1,149632697	---
17205727	4,837156	5,149945	4,484336	4,801099	5,332443	4,94153	4,8238123	5,025024	0,20121167	1,14966351	---
17400813	8,335582	8,3387	8,336798	8,559074	8,577724	8,478081	8,3370267	8,538293	0,20126633	1,149707074	Notch2
17337796	8,026398	8,261519	8,776228	8,836242	8,366023	8,465769	8,354715	8,556011333	0,20129633	1,149730982	Pla2g7
17533498	10,27811	9,702703	9,646347	10,28125	9,713543	10,23627	9,87572	10,077021	0,201301	1,149734701	Kdm6a
17236089	4,985262	5,391111	4,153501	4,998875	4,874176	5,261249	4,8432913	5,044766667	0,20147533	1,149873641	---
17545020	5,267271	6,12809	5,35772	5,638137	5,641078	6,078418	5,5843603	5,785877667	0,20151733	1,149907117	---
17258569	5,700349	5,805384	5,847281	5,890928	5,924048	6,142628	5,784338	5,985868	0,20153	1,149917213	Exoc7
17299414	4,934642	4,623097	4,703697	5,015367	5,269792	4,580887	4,753812	4,955348667	0,20153667	1,149922527	Gm6498
17208503	7,600274	7,397633	8,003875	7,544437	8,36277	7,699434	7,6672607	7,868880333	0,20161967	1,149988685	---
17203113	5,54645	5,607063	5,356473	5,825869	5,628988	5,660029	5,5033287	5,704962	0,20163333	1,149999579	---
17237762	9,430053	9,376277	9,022294	9,337023	9,589952	9,506564	9,276208	9,477846333	0,20163833	1,150003565	Avpr1a
17377672	5,77409	5,843912	5,7879	5,879325	6,191535	5,940009	5,8019673	6,003623	0,20165567	1,150017382	Tcf15
17453904	6,296668	6,406835	6,59613	6,61249	6,793833	6,498413	6,433211	6,634912	0,201701	1,150053519	Trip6

17457728	3,777406	3,695224	3,557152	3,931119	3,925259	3,778513	3,676594	3,878297	0,201703	1,150055113	---
17547579	5,86746	5,672948	5,683283	6,065613	5,704961	6,058405	5,7412303	5,942993	0,20176267	1,150102678	D130012P04Rik
17346281	8,232613	8,188046	8,345827	8,600102	8,408907	8,362893	8,2554953	8,457300667	0,20180533	1,150136692	Safb2
17215166	4,381309	4,246446	4,135263	4,586975	4,543035	4,238435	4,2543393	4,456148333	0,201809	1,150139615	Akp3
17327842	6,361696	6,433238	6,512022	6,492786	6,785988	6,633687	6,435652	6,637487	0,201835	1,150160343	Anks3
17406817	7,343579	7,330112	7,352705	7,562341	7,601604	7,468056	7,342132	7,544000333	0,20186833	1,150186917	Lamtor2
17206693	3,877985	2,868464	3,366087	3,880051	3,754593	3,083501	3,3708453	3,572715	0,20186967	1,15018798	---
17205797	5,014378	4,827559	4,721607	5,130649	5,066958	4,971586	4,8545147	5,056397667	0,201883	1,150198611	---
17316373	5,200943	5,223567	4,944836	5,415579	5,533056	5,026399	5,1231153	5,325011333	0,201896	1,150208975	9430069I07Rik // 9430069I07Rik
17508132	7,25708	7,259906	7,422101	7,500131	7,667876	7,376838	7,313029	7,514948333	0,20191933	1,150227578	Mir486 // Mir486
17210457	3,959152	3,823332	4,040339	4,085023	4,45382	3,889782	3,940941	4,142875	0,201934	1,150239271	---
17268169	5,037447	5,237869	5,119167	5,357183	5,374344	5,268808	5,1314943	5,333445	0,20195067	1,150252559	Dlx4
17374245	8,041644	8,117916	7,756238	8,221317	8,302298	7,998269	7,9719327	8,173961333	0,20202867	1,15031475	Slc12a6
17452378	6,549109	6,543613	6,478738	6,502111	6,905536	6,770073	6,52382	6,725906667	0,20208667	1,150360997	Rad9b
17222775	3,223711	3,226818	2,976967	3,309126	3,648439	3,076242	3,1424987	3,344602333	0,20210367	1,150374552	---
17255822	4,828011	4,464987	4,944223	4,877248	4,967772	4,998529	4,7457403	4,947849667	0,20210933	1,15037907	2410003L11Rik // 2410003L11Rik
17358836	5,193511	4,926259	5,373874	5,3877	5,410203	5,302246	5,164548	5,366716333	0,20216833	1,150426117	---
17364244	3,606887	3,597676	3,356452	3,615785	3,585459	3,966295	3,5203383	3,722513	0,20217467	1,150431167	---
17229451	4,162238	4,887388	4,038064	4,409642	4,029669	5,254919	4,3625633	4,564743333	0,20218	1,15043542	Rgs5 // Rgs5
17510526	5,57306	5,58	5,673711	5,986698	5,704705	5,741965	5,6089237	5,811122667	0,202199	1,150450571	Calr3
17230127	7,361108	7,412265	7,51932	7,843914	7,693447	7,361934	7,4308977	7,633098333	0,20220067	1,1504519	Grem2
17474527	6,938847	6,686495	6,634602	7,125661	6,900558	6,840345	6,7533147	6,955521333	0,20220667	1,150456685	Mir330
17460831	9,563601	9,574265	9,36884	9,673741	9,717162	9,722473	9,5022353	9,704458667	0,20222333	1,150469976	Aldh1l1
17377126	7,027107	7,104039	7,206501	7,344574	7,330368	7,269386	7,112549	7,314776	0,202227	1,1504729	Dtd1
17203501	7,310053	7,608724	7,466424	7,886846	7,996361	7,108752	7,4617337	7,663986333	0,20225267	1,150493368	---
17372729	5,149362	5,06355	5,1523	5,397989	5,378019	5,196032	5,1217373	5,324013333	0,202276	1,150511975	Lrrc55
17200947	4,60937	5,398609	5,04845	5,147083	5,19247	5,323736	5,0188097	5,221096333	0,20228667	1,150520482	---
17226369	8,531161	8,904511	8,61159	8,830186	8,847825	8,976313	8,6824207	8,884774667	0,202354	1,15057418	Ddx18
17202551	8,339055	8,135417	8,482253	8,749838	8,435369	8,378681	8,3189083	8,521296	0,20238767	1,15060103	---
17367686	7,437592	7,490001	7,475006	7,955445	7,600355	7,454008	7,467533	7,669936	0,202403	1,150613259	Il1rn
17357211	5,604031	5,983315	5,818223	6,053565	5,922465	6,036894	5,8018563	6,004308	0,20245167	1,150652073	Taf6l // Taf6l
17208351	4,179009	4,164425	5,416322	4,607812	4,348896	5,410489	4,5865853	4,789065667	0,20248033	1,150674937	---
17206263	5,276218	5,008	4,624	4,892218	4,743063	5,880379	4,969406	5,171886667	0,20248067	1,150675203	---
17244905	4,181824	3,9176	4,078002	4,133922	4,001318	4,649651	4,059142	4,261630333	0,20248833	1,150681318	1700020G17Rik
17500932	3,966311	4,282146	4,314507	4,326774	4,294062	4,549599	4,1876547	4,390145	0,20249033	1,150682913	Ccdc110
17323299	7,399367	7,30827	7,033408	7,168839	7,377818	7,801894	7,247015	7,449517	0,202502	1,150692218	---
17253599	8,360564	8,448754	8,562115	8,733039	8,629998	8,615906	8,4571443	8,659647667	0,20250333	1,150693282	Aldoc
17204669	3,039227	3,615689	3,275539	3,813665	3,76738	2,957162	3,3101517	3,512735667	0,202584	1,150757623	---
17262658	4,954937	4,807912	4,920776	4,898612	5,407777	4,985047	4,8945417	5,097145333	0,20260367	1,150773311	---
17474750	3,57546	3,561574	3,674775	3,695075	3,830385	3,894393	3,6039363	3,806617667	0,20268133	1,150835263	Vmn1r128
17248635	7,054771	7,175491	6,84237	7,280838	7,105247	7,294615	7,0242107	7,2269	0,20268933	1,150841645	Pwwp2a
17299902	3,475219	3,463533	3,627529	3,672317	3,8307	3,671504	3,5220937	3,724840333	0,20274667	1,150887381	---
17293849	7,43117	7,203589	7,357666	7,552745	8,009135	7,038793	7,3308083	7,533557667	0,20274933	1,150889508	---
17234955	6,410898	6,443983	6,672595	6,721814	6,798835	6,615076	6,5091587	6,711908333	0,20274967	1,150889774	Fstl3
17363060	2,734053	2,744061	2,917601	3,082289	2,768584	3,153102	2,7985717	3,001325	0,20275333	1,150892699	Olfr1425
17290563	5,671037	5,93152	6,001998	5,977819	6,288922	5,946417	5,868185	6,071052667	0,20286767	1,150983911	Gm10336
17339395	5,220816	4,817349	5,095652	5,237637	5,400087	5,104716	5,0446057	5,24748	0,20287433	1,150989229	Myom1
17214665	5,613688	5,719803	5,873673	5,891776	5,97857	5,9455	5,7357213	5,938615333	0,202894	1,15100492	Sgpp2
17397695	4,254583	4,067282	4,618893	4,677259	4,23729	4,635014	4,313586	4,516521	0,202935	1,151037631	Sohlh2
17526512	3,179984	3,274542	3,023348	3,333874	3,403515	3,349298	3,1592913	3,362229	0,20293767	1,151039758	---
17299796	6,284502	6,100643	5,989215	6,612304	6,147967	6,223135	6,1247867	6,327802	0,20301533	1,151101725	Trav7-4
17260150	7,578878	7,628301	7,449121	7,916268	7,511294	7,83782	7,5521	7,755127333	0,20302733	1,1511113	Znrf3
17363668	2,999564	3,038749	2,863101	3,460467	3,271173	2,778901	2,967138	3,170180333	0,20304233	1,151123269	---
17336175	6,569719	6,257268	6,50456	6,6285	6,80684	6,505382	6,443849	6,646907333	0,20305833	1,151136035	Kank3
17459634	9,822275	9,773035	9,675717	10,09546	9,910723	9,874054	9,757009	9,960079	0,20307	1,151145344	Ggcx
17522971	6,151091	6,578689	6,7154	6,618195	6,725861	6,710361	6,4817267	6,684805667	0,203079	1,151152525	Vill
17410332	5,979646	6,594985	6,709436	6,474671	6,717507	6,701316	6,4280223	6,631164667	0,20314233	1,151203061	Ccdc109b
17208647	6,995552	7,309885	7,095029	7,462965	7,100134	7,446864	7,1334887	7,336654333	0,20316567	1,15122168	---
17470074	5,303259	5,143123	5,206629	5,378057	5,550677	5,333855	5,2176703	5,420863	0,20319267	1,151243225	Tmem72
17374848	5,566117	5,576135	5,625983	6,176234	5,016214	6,185414	5,5894117	5,792620667	0,203209	1,151256259	---
17550138	5,566117	5,576135	5,625983	6,176234	5,016214	6,185414	5,5894117	5,792620667	0,203209	1,151256259	---
17341280	4,640368	4,703561	4,482443	4,840913	4,868667	4,726758	4,6087907	4,812112667	0,203322	1,151346436	Gm19747
17270101	7,761696	7,635573	8,151549	7,80964	8,357648	7,991645	7,849606	8,052977667	0,20337167	1,151386073	---
17414846	3,788273	3,669637	4,042047	4,183387	3,842607	4,084119	3,833319	4,036704333	0,20338533	1,15139698	---
17278830	2,985898	3,036658	3,113208	3,080088	3,493124	3,17276	3,0452547	3,248657333	0,20340267	1,151410814	Mir495
17537134	3,956378	3,74582	4,300428	4,039721	4,246844	4,326302	4,0008753	4,204289	0,20341367	1,151419593	Gpr174
17349922	4,792464	4,630556	5,019397	5,092304	5,034846	4,925559	4,814139	5,017569667	0,20343067	1,151433161	Pcdhb16
17545259	4,173885	3,716675	3,60937	4,105865	3,936627	4,06775	3,83331	4,036747333	0,20343733	1,151438481	---
17274335	6,873309	6,8002	6,776248	7,19868	6,977077	6,884426	6,8165857	7,020061	0,20347533	1,15146881	Gm3908
17384454	5,759422	7,134814	5,945544	6,875699	6,092117	6,48269	6,2799267	6,483502	0,20357533	1,151548627	---
17538832	7,244967	6,925071	6,328335	7,044632	7,068117	6,996484	6,832791	7,036411	0,20362	1,15158428	---
17376063	5,43846	5,506642	5,388103	5,685639	5,615278	5,643167	5,4444017	5,648028	0,20362633	1,151589335	Zc3h6
17301576	5,514832	4,634331	5,25478	5,3536	5,229816	5,431553	5,1346477	5,338323	0,20367533	1,151628449	Gnrh1
17216272	8,745994	8,60253	8,589695	8,940496	8,732594	8,876178	8,646073	8,849756	0,203683	1,151634569	---
17352872	3,416844	3,21042	3,388396	3,602273	3,643174	3,381271	3,3385533	3,542239333	0,203686	1,151636963	Chst9
17545906	3,997428	4,293766	3,847005	4,192375	4,05874	4,498297	4,0460663	4,249804	0,20373767	1,151678207	---
17293982	4,178744	3,948487	3,788274	4,212402	4,210738	4,10364	3,971835	4,175593333	0,20375833	1,151694705	Zfp874b
17476693	6,319457	6,274375	5,978435	6,234221	6,558743	6,390612	6,1907557	6,394525333	0,20376967	1,151703753	---
17290069	6,389203	6,503088	6,052438	6,551223	6,432425	6,572408	6,3149097	6,518685333	0,20377567	1,151708542	Pelo // Pelo
17308280	6,584294	6,569495	6,379347	6,721442	6,64684	6,776206	6,5110453	6,714829333	0,203784	1,151715195	Ppp3cc
17456381	3,751201	3,834744	3,701985	3,879576	3,965202	4,054567	3,7626433	3,966448333	0,203805	1,151731959	Ptprz1
17205903	6,091693	5,570483	5,744802	6,099661	6,623925	5,294984	5,802326	6,00619	0,203864	1,151779061	---
17333938	5,079987	5,380593	5,033694	5,206192	5,709298	5,190436	5,164758	5,368642	0,203884	1,151795028	Zfp52
17541091	3,424103	3,621486	3,536346	3,988679	3,479677	3,725284	3,5273117	3,731213333	0,20390167	1,151809133	Rhox2h
17368521	3,824542	4,179818	3,602098	3,942323	4,376043	3,899835	3,8688193	4,072733667	0,20391433	1,151819246	---
17202023	4,011314	3,607564	4,490184	4,051535	4,347579	4,321727	4,036354	4,240280333	0,20392633	1,151828826	---
17200225	6,093266	4,8232	4,884804	6,036081	5,190081	5,187002	5,26709	5,471054667	0,20396467	1,151859432	---
17324300	4,438852	5,021654	4,881682	5,094525	4,771857	5,087837	4,7807293	4,984739667	0,20401033	1,151895893	---
17208923	7,984995	7,059479	7,813354	7,685623	8,113089	7,671181	7,619276	7,823297667	0,20402167	1,151904942	---
17207191	3,643804	3,924313	3,93847	3,882489	3,54284	4,693396	3,835529	4,039575	0,204046	1,151924371	---
17225580	4,702295	4,278744	4,674038	5,03808	4,491805	4,737476	4,5516923	4,755787	0,20409467	1,151963229	Olfr1415
17513158	7,102892	7,036606	7,002928	7,219117	7,216595	7,319116	7,0474753	7,251609333	0,204134	1,151994637	Bcar1
17497278	3,917507	4,216376	3,932051	4,256515	4,20231	4,219571	4,021978	4,226132	0,204154	1,152010607	A130023I24Rik
17201289	5,38502	5,276144	5,275835	5,691557	5,48757	5,370375	5,312333	5,516500667	0,20416767	1,15202152	---
17447149	7,574479	7,223607	7,330703	7,310288	7,759437	7,671636	7,376263	7,580453667	0,20419067	1,152039886	---
17391454	11,46145	11,53164	11,41077	11,66409	11,65595	11,69647	11,467953	11,67217	0,20421667	1,152060648	---
17499607	3,483596	3,737189	3,343976	3,78079	3,81509	3,581652	3,521587	3,725844	0,204257	1,152092857	Defb46
17406979	9,269992	9,134634	9,156862	9,550347	9,377377	9,246545	9,1871627	9,391423	0,20426033	1,152095518	Slc50a1
17310395	5,63713	5,507822	5,88909	6,014844	5,79853	5,83348	5,678014	5,882284667	0,20427067	1,15210377	Gm5144
17221436	5,399443	5,281904	5,200748	5,403152	5,575386	5,516562	5,2940317	5,498366667	0,204335	1,152155147	Gm106
17468747	5,330686	5,18034	5,362521	5,539044	5,690357	5,257156	5,2911823	5,495519	0,20433667	1,152156478	Kbtbd12
17532923	7,938084	7,820957	7,818089	7,994123	8,157698	8,038648	7,8590433	8,063489667	0,20444633	1,152244062	Wdr45
17372080	4,802864	4,626041	4,881288	5,05962	4,881693	4,982383	4,7700643	4,974565333	0,204501	1,152287724	Hoxd3
17200099	6,397225	5,867702	5,630864	5,861275	6,417435	6,23062	5,9652637	6,169776667	0,204513	1,152297309	---
17246231	9,205058	9,110987	8,943112	9,280087	9,320772	9,271975	9,0863857	9,290944667	0,204559	1,15233405	Erbb3
17386126	3,317002	3,528328	3,42061	3,824297	3,497512	3,557908	3,42198	3,626572333	0,20459233	1,152360675	---
17532257	5,709895	6,085633	6,102099	6,093613	6,209947	6,207908	5,9658757	6,170489333	0,20461367	1,152377715	Csrnp1
17395985	7,060988	7,019307	6,948431	7,333881	7,161984	7,146729	7,0095753	7,214198	0,20462267	1,152384904	Zfhx4
17246352	5,719863	5,531446	5,533646	5,743521	5,867345	5,787984	5,594985	5,799616667	0,20463167	1,152392093	Gdf11
17543284	5,653422	5,431582	5,284019	5,89226	5,460916	5,629775	5,456341	5,660983667	0,20464267	1,15240088	Zxda
17457540	6,994078	7,080053	7,269413	7,164159	7,37412	7,419212	7,1145147	7,319163667	0,204649	1,152405938	Ndufb2
17203661	6,268175	6,989081	7,230929	7,073938	6,746695	7,281517	6,829395	7,03405	0,204655	1,152410731	---
17292262	9,933884	9,926952	9,741091	10,13877	9,949137	10,12803	9,867309	10,071979	0,20467	1,152422713	Tpmt
17246443	3,2143	2,861792	2,745311	3,132537	3,323403	2,979479	2,9404677	3,145139667	0,204672	1,152424311	Olfr814
17420897	9,545502	9,530048	9,63921	9,702251	9,879798	9,74683	9,5715867	9,776293	0,20470633	1,152451737	Sdhb
17235873	5,971005	6,231404	6,699757	6,429427	6,652956	6,433921	6,300722	6,505434667	0,20471267	1,152456796	Tdg
17466395	3,293033	3,785875	3,284705	3,1929	3,86255	3,922516	3,4545377	3,659322	0,20478433	1,152514046	---
17210569	5,118692	5,421498	5,228731	5,281817	5,78523	5,31623	5,256307	5,461092333	0,20478533	1,152514845	---
17210591	4,999123	4,115763	3,770025	4,258746	5,17417	4,066474	4,2949703	4,499796667	0,20482633	1,152547599	---
17206771	3,960421	3,92642	4,096951	4,127359	3,988656	4,482301	3,9945973	4,199438667	0,20484133	1,152559582	---
17233563	6,428918	6,503613	6,495142	6,793901	6,744006	6,504399	6,475891	6,680768667	0,20487767	1,152588609	---
17357957	6,456417	5,673664	6,239218	6,206604	6,222826	6,554558	6,1230997	6,327996	0,20489633	1,152603522	---
17302656	7,496915	7,487528	7,188354	7,721231	7,498384	7,568039	7,3909323	7,595884667	0,20495233	1,152648263	Gpc6
17302325	2,973843	3,026832	3,303231	3,106148	3,651848	3,160868	3,101302	3,306288	0,204986	1,152675161	---
17238685	3,387408	3,325834	3,841456	3,68783	3,829991	3,651848	3,5182327	3,723223	0,20499033	1,152678623	---
17203601	6,327084	5,212232	5,483833	6,338383	5,151046	6,148763	5,674383	5,879397333	0,20501433	1,152697799	---
17291053	7,334143	7,396472	7,03638	7,096945	7,700288	7,584846	7,255665	7,460693	0,205028	1,152708718	Hist1h4i
17459361	5,525139	6,113741	6,340374	6,210765	6,016369	6,36736	5,9930847	6,198164667	0,20508	1,152750267	---
17208965	3,418749	4,163634	4,25115	4,259953	3,924907	4,263928	3,944511	4,149596	0,205085	1,152754262	---
17493552	4,840134	4,674751	4,930833	5,021388	5,156248	4,88367	4,8152393	5,020435333	0,205196	1,152842958	B3gnt6
17476495	4,426745	4,790957	4,812705	4,908452	4,848882	4,888901	4,6768023	4,882078333	0,205276	1,152906887	Gm4883
17238936	8,129824	8,310011	8,296859	8,613532	8,518095	8,220989	8,2455647	8,450872	0,20530733	1,152931927	Syne1
17202847	4,498623	5,134803	4,076937	5,21708	4,26479	4,844467	4,570121	4,775445667	0,20532467	1,152945779	---
17474776	5,814502	5,609616	5,154343	5,718618	5,747257	5,728661	5,5261537	5,731512	0,20535833	1,152972684	Vmn1r132

17213890	5,874972	5,83755	5,49763	6,130236	5,768716	5,92733	5,7367173	5,942094	0,20537667	1,152987336	---	
17545281	7,030904	6,563251	7,083158	7,195713	6,975603	7,122131	6,8924377	7,097815667	0,205378	1,152988401	---	
17202495	7,511922	6,578218	6,729189	7,280225	7,366666	6,788615	6,9397763	7,145168667	0,20539233	1,152999856	---	
17477127	5,418842	5,294163	5,35222	5,501176	5,746186	5,434176	5,355075	5,560512667	0,20543767	1,153036087	Vsig10l	
17303088	6,841862	6,538796	6,037891	6,853275	6,434237	6,747359	6,4728497	6,678290333	0,20544067	1,153038485	Gm3696	
17246934	5,576123	5,333689	4,834316	5,566981	5,435748	5,357734	5,2480427	5,453487667	0,205445	1,153041948	---	
17516666	8,047127	7,991508	8,241021	8,19238	8,445292	8,258376	8,0932187	8,298682667	0,205464	1,153057134	Ift46	
17280794	3,564651	3,56083	3,359864	3,704075	3,553077	3,844589	3,495115	3,700580333	0,20546533	1,153058199	4930428E07Rik // 4930428E07Rik	
17536818	10,12454	10,16158	10,16899	10,4186	10,40203	10,25096	10,151703	10,35719667	0,20549333	1,153080578	Ogt	
17382673	5,882345	5,958837	6,124768	6,158144	6,303806	6,120528	5,98865	6,194159333	0,20550933	1,153093366	Phpt1	
17284114	7,985637	8,215664	8,162668	8,136601	8,595649	8,248315	8,121323	8,326855	0,205532	1,153111483	Ckb	
17413674	8,110978	8,083577	7,703762	7,986535	8,224941	8,303485	7,9661057	8,171653667	0,205548	1,153124272	Aldh1b1	
17527445	4,993307	4,784191	4,504605	5,055766	4,536528	5,3065	4,760701	4,966264667	0,20556367	1,153136794	Lingo1	
17390614	6,473122	6,557043	6,4045	6,978548	6,143583	6,929446	6,4782217	6,683859	0,20563733	1,153195677	Mfap1b // Mfap1a	
17214921	5,633362	5,646866	5,134608	5,918547	5,203487	5,909862	5,471612	5,677298667	0,20568667	1,153235111	---	
17343813	6,155773	6,013541	5,854829	6,114106	6,30155	6,225568	6,0080477	6,213741333	0,20569367	1,153240707	H2-Aa	
17467040	5,89243	5,726308	5,871726	6,049919	5,930861	6,126823	5,8301547	6,035867667	0,205713	1,153256161	Crhr2	
17200605	6,016554	6,014553	6,681845	6,56364	6,462535	6,30425	6,2376507	6,443475	0,20582433	1,153345162	---	
17208629	7,364382	7,402831	7,321884	7,621616	7,643742	7,441212	7,3630323	7,568856667	0,20582433	1,153345162	---	
17324473	3,749231	3,353233	3,906417	4,32223	3,586796	3,717395	3,669627	3,875473667	0,20584667	1,153363016	---	
17544160	5,917925	5,097832	5,095684	5,927807	4,840003	5,96121	5,3704803	5,57634	0,20585967	1,153373409	---	
17354299	7,046134	7,267063	6,916125	7,287903	7,274431	7,28472	7,0764407	7,282351333	0,20591067	1,153414182	Sema6a	
17204785	4,297324	4,04643	4,184385	4,558599	4,674792	3,912593	4,1760463	4,381994667	0,20594833	1,153444296	---	
17328920	9,111341	9,432508	9,183047	9,415176	9,464789	9,465082	9,2422987	9,448349	0,20605033	1,153525849	D16H22S680E	
17220919	6,648971	6,633877	6,923774	7,276398	6,903625	6,644756	6,7355407	6,941593	0,20605233	1,153527448	A130010J15Rik	
17208145	6,801304	6,398733	6,318638	6,335862	6,698917	7,102054	6,506225	6,712277667	0,20605267	1,153527715	---	
17279830	5,553001	5,101537	4,835183	5,548249	5,487098	5,072594	5,1632403	5,369313667	0,20607333	1,153544239	Gm3613	
17394008	4,067427	4,01605	4,137846	3,961375	4,304643	4,573596	4,0737743	4,279871333	0,206097	1,153563163	Gtsf1l	
17254996	4,843578	5,046847	5,092991	5,381174	5,117967	5,102577	4,994472	5,200572667	0,20610067	1,153566094	---	
17298556	5,027421	5,080721	5,165057	5,372046	5,356375	5,163089	5,0910663	5,29717	0,20610367	1,153568493	Ogdhl	
17409792	9,218547	9,043537	8,821102	9,088064	9,287295	9,326213	9,0277287	9,233857333	0,20612867	1,153588483	Palmd	
17410508	5,419373	5,15444	5,538385	5,568228	5,640638	5,521823	5,3707327	5,576896333	0,20616367	1,15361647	Mir1895	
17459960	6,147859	6,036989	6,275899	6,358232	6,270927	6,450201	6,1535823	6,359786667	0,20620433	1,153648988	Rtkn	
17230123	5,069409	5,15034	5,504379	5,529744	5,375395	5,437662	5,241376	5,447600333	0,20622433	1,153664981	Olfr419	
17256328	4,469047	4,221853	4,686813	4,540756	4,863634	4,59201	4,4592377	4,665466667	0,206229	1,153668713	Gm11565	
17523668	3,651848	3,385386	3,48021	3,859212	3,651848	3,625162	3,5058147	3,712074	0,20625933	1,15369297	Nlrp4g // Nlrp4g	
17364597	5,113196	5,356744	5,578334	5,477674	5,627195	5,562383	5,3494247	5,555750667	0,206326	1,153746283	Til2	
17391583	4,746739	4,57744	4,91004	4,982643	4,84815	5,022512	4,7447397	4,951101667	0,206362	1,153775073	---	
17294235	6,384151	6,299171	6,351518	6,561597	6,770638	6,321776	6,3449467	6,551337	0,20639033	1,153797733	Ndufs6	
17382449	4,267424	4,257468	4,42519	4,493565	4,596786	4,479063	4,316694	4,523138	0,206444	1,153840653	Gm757	
17296281	7,420168	7,605103	7,245172	7,651309	7,497015	7,741496	7,423481	7,62994	0,206459	1,15385265	Gpx8	
17201551	3,363572	3,210546	3,483564	3,547401	3,334644	3,795131	3,3525607	3,559058667	0,206498	1,153883842	---	
17486650	5,936594	5,951533	6,250227	6,242493	6,199458	6,315988	6,046118	6,252646333	0,20652833	1,153908104	6330408A02Rik	
17351001	6,089734	5,789752	6,199055	6,340053	6,301209	6,056964	6,0261803	6,232742	0,20656167	1,153934765	Camk2a	
17472497	11,34566	11,27778	11,34687	11,64959	11,49768	11,44278	11,323437	11,53001667	0,20658	1,153949429	Gys2	
17202135	3,535359	3,348637	3,408049	3,231114	3,852142	3,828537	3,4306817	3,637264333	0,20658267	1,153951562	---	
17247500	5,394197	5,182666	5,182745	5,331007	5,450708	5,597871	5,2532027	5,459862	0,20665933	1,154012886	---	
17201435	4,504172	4,464033	4,713184	4,556093	4,575534	5,169817	4,560463	4,767148	0,206685	1,154033417	---	
17338826	4,656848	4,559715	4,838252	4,823078	5,153027	4,698836	4,6849383	4,891647	0,20670867	1,154052348	Tmem146	
17200865	4,691455	5,536554	5,124124	4,92366	5,068067	5,980736	5,1173777	5,324154333	0,20677667	1,154106745	---	
17257962	6,756752	6,654459	6,514573	6,667045	6,693623	7,185449	6,641928	6,848705667	0,20677767	1,154107545	Sstr2	
17393883	7,428708	7,549059	7,451356	7,737795	7,695115	7,616553	7,4763743	7,683154333	0,20678	1,154109411	Zhx3	
17286385	4,319064	4,284614	4,723551	4,248024	5,05165	4,647999	4,4424097	4,649224333	0,20681467	1,154137144	Serpinb1b	
17394538	6,260726	6,454835	6,552134	6,350996	6,746216	6,791237	6,422565	6,629483	0,206918	1,154219812	Sulf2	
17208845	5,477408	5,245961	6,032891	6,005732	5,974139	5,397151	5,58542	5,792340667	0,20692067	1,154221945	---	
17319691	5,42788	5,73242	5,74267	5,902365	5,793963	5,827427	5,6343233	5,841251667	0,20692833	1,154228079	Cyp2d40	
17318143	7,845514	7,895705	7,694228	7,972289	8,080242	8,003704	7,8118157	8,018745	0,20692933	1,154228879	Top1mt	
17293006	6,022299	5,870381	6,185398	6,036515	6,531064	6,131375	6,026026	6,232984667	0,20695867	1,154252348	Cxcl14	
17520364	6,019784	6,351871	6,063276	6,318294	6,267081	6,470437	6,144977	6,351937333	0,20696033	1,154253681	Plod2	
17233639	11,47819	11,3163	11,38561	11,58925	11,68264	11,52912	11,393367	11,60033667	0,20697	1,154261415	---	
17382557	6,388412	6,657768	6,57968	6,589037	6,926432	6,73137	6,5419533	6,748946333	0,206993	1,154279817	Uap1l1	
17468887	3,999456	3,897973	3,537771	3,959069	4,272553	3,824663	3,8117333	4,018761667	0,20702833	1,154308087	Vmn1r48	
17480466	4,90042	5,195895	5,320485	5,367358	5,219663	5,450895	5,1389333	5,345972	0,20703867	1,154316355	Gucy2d	
17293045	5,452423	5,729668	5,787941	5,618568	5,846278	6,12641	5,6566773	5,863752	0,20707467	1,154345159	Spock1	
17504477	10,67503	10,64142	10,58532	10,68488	10,93108	10,90719	10,633923	10,84105	0,20712667	1,154386767	Ces2a	
17548125	3,76958	3,860414	3,985911	3,85179	4,133485	4,252179	3,8719683	4,079151333	0,207183	1,154431843	A130015J22Rik	
17204599	5,263248	4,739777	5,401834	5,296862	6,064979	4,664594	5,134953	5,342145	0,207192	1,154439045	---	
17476273	5,729589	5,754886	5,791878	5,885958	6,00493	6,00708	5,7587843	5,965989333	0,207205	1,154449448	Zfp382	
17495637	4,469844	4,838367	4,838367	4,832457	4,827057	5,108882	4,715526	4,922798667	0,20727267	1,154503596	Umod	
17359608	7,311869	7,317951	7,012512	7,32818	7,567509	7,368666	7,2141107	7,421451667	0,207341	1,15455828	Entpd7	
17365957	6,494731	6,218449	6,419995	6,676679	6,504427	6,57411	6,377725	6,585072	0,207347	1,154563082	---	
17300375	8,75762	9,021036	8,885891	9,128119	9,24737	8,911127	8,8881823	9,095538667	0,20735633	1,154570551	---	
17348320	6,625416	6,319357	6,479177	6,833701	6,665757	6,546592	6,47465	6,682016667	0,20736667	1,154578821	Greb1l	
17202895	6,875702	7,48588	7,231278	7,584678	7,29932	7,331071	7,19762	7,405023	0,207403	1,154607899	---	
17290963	4,871531	5,117603	4,353831	4,74501	5,202695	5,017682	4,7809883	4,988462333	0,207474	1,154664722	---	
17264180	5,476048	5,259022	5,154015	5,449451	5,620705	5,441466	5,2963617	5,503874	0,20751233	1,154695403	Gm12295	
17221260	9,517385	9,526216	9,601192	9,720282	9,948885	9,598403	9,5482643	9,755856667	0,20759233	1,154759435	---	
17266815	6,548839	7,007607	6,539438	7,035799	7,043647	6,639233	6,698628	6,906226333	0,20759833	1,154764237	Rad51l3	
17203493	4,775489	4,55687	4,91907	4,699054	5,187384	4,987811	4,7504763	4,958083	0,20760667	1,154770907	---	
17548902	3,582391	3,029578	3,128988	3,266637	3,807293	3,289897	3,2469857	3,454609	0,20762333	1,154784248	LOC100505265	
17502650	6,817393	7,005797	6,897007	7,228345	7,088631	7,026476	6,9067323	7,114484	0,20775167	1,154886975	Prmt10	
17205205	3,532648	4,476317	4,352458	4,597328	4,372869	4,014573	4,1204743	4,328256667	0,20778233	1,154911524	---	
17209395	3,532648	4,476317	4,352458	4,597328	4,372869	4,014573	4,1204743	4,328256667	0,20778233	1,154911524	---	
17519888	5,570701	5,734264	5,595528	5,813638	5,749405	5,960841	5,6334977	5,841294667	0,207797	1,154923265	Irak1bp1	
17205243	7,560928	7,170638	7,406786	7,958939	7,204465	7,598463	7,3794507	7,587289	0,20783833	1,154956354	---	
17209433	7,560928	7,170638	7,406786	7,958939	7,204465	7,598463	7,3794507	7,587289	0,20783833	1,154956354	---	
17202679	2,788893	3,123684	3,137454	3,294032	3,562689	2,816846	3,016677	3,224522333	0,20784533	1,154961958	---	
17269311	6,029669	5,775878	6,258578	6,456834	5,960476	6,270692	6,021375	6,229334	0,207959	1,155052959	Krt32	
17541528	7,181468	7,24196	7,252514	7,18573	7,717075	7,397037	7,225314	7,433280667	0,20796667	1,155059097	Igsf1	
17311793	3,9457	3,64853	3,713886	4,12526	3,909158	3,897624	3,769372	3,977347333	0,20797533	1,155066035	Gm19347	
17529494	3,285691	3,321208	3,376183	3,575985	3,63159	3,399456	3,327694	3,535677	0,207983	1,155072174	---	
17504922	4,783128	5,533254	5,56658	5,658905	5,453	5,395025	5,2943207	5,50231	0,20798933	1,155077244	Pard6a	
17216240	4,148145	4,201247	4,28153	4,380413	4,385327	4,489151	4,2103073	4,418297	0,20798967	1,155077511	---	
17429800	5,289883	6,194802	6,157816	6,204839	6,009476	6,052193	5,8808337	6,088836	0,20800233	1,155087653	D830031N03Rik	
17202365	5,8016	5,640306	5,772446	6,022985	5,882502	5,932971	5,7381173	5,946152667	0,20803533	1,155114074	---	
17238888	7,639111	8,144608	8,062194	8,142894	8,258402	8,06877	7,9486377	8,156688667	0,208051	1,155126618	Syne1	
17206501	6,978639	7,871366	7,767193	8,037326	7,271173	7,932961	7,539066	7,747153333	0,20808733	1,15515571	---	
17331701	4,414038	4,283353	4,149462	4,774027	4,29461	4,402538	4,2822843	4,490391667	0,20810733	1,155171724	Cyyr1	
17332299	6,228343	6,489411	5,943124	6,603592	6,303312	6,378348	6,2202927	6,428417333	0,20812467	1,155185603	Hlcs	
17293002	4,667433	5,003183	4,861121	4,907234	5,113167	5,135718	4,8439123	5,052039667	0,20812733	1,155187738	Neurog1	
17424405	5,919644	5,704741	6,117918	6,178899	6,161076	6,026733	5,914101	6,122236	0,208135	1,155193877	4933409K07Rik // 4933409K07Rik	
17312679	5,339129	5,30233	5,155077	5,459029	5,390636	5,571544	5,265512	5,473736333	0,20822433	1,15526541	Apol7e	
17277756	3,804608	3,637871	3,471953	3,822211	4,147663	3,56924	3,638144	3,846371333	0,20822733	1,155267812	---	
17206831	3,763918	4,211967	3,986856	4,592353	4,114159	3,881066	3,9875803	4,195859333	0,208279	1,155309186	---	
17356477	6,021838	6,087764	6,155397	6,189684	6,438951	6,261208	6,088333	6,296614333	0,20828133	1,155311054	Gm962	
17484529	4,480196	3,948459	4,289661	4,388995	4,615437	4,338846	4,2394387	4,447759333	0,20832067	1,155342553	5830411N06Rik	
17381198	3,705747	3,694432	3,372267	4,139502	3,606196	3,651848	3,5908153	3,799182	0,20836667	1,155379391	---	
17487144	5,934017	6,08274	5,824546	6,301599	6,059092	6,105743	5,947101	6,155478	0,208377	1,155387667	Mypop	
17340177	6,762243	6,539735	6,69942	6,963327	6,794583	6,868732	6,6671327	6,875547333	0,20841467	1,155417833	Prkce	
17282902	4,715332	4,681694	5,049014	4,908663	5,188624	4,97401	4,8153467	5,023765667	0,208419	1,155421303	Mir3068	
17255511	4,500491	4,597436	4,713702	4,998047	4,597349	4,841515	4,6038763	4,812303667	0,20842733	1,155427977	Ttll6	
17360004	6,87959	6,326826	6,676717	6,882811	6,886233	6,739467	6,627711	6,836170333	0,20845933	1,155453606	Tmem180	
17548203	7,165125	7,039157	7,010484	7,323347	7,199425	7,317434	7,0715887	7,280068667	0,20848	1,155470158	Gm4984 // Gm4984	
17383139	5,59758	5,407449	5,931895	5,700953	5,983706	5,877733	5,6456413	5,854130667	0,20848933	1,155477633	Abo	
17280261	3,166187	2,980563	2,973205	3,362988	3,28285	3,099774	3,039985	3,248537333	0,20855233	1,155528092	---	
17206305	5,575437	5,819803	5,619707	6,32912	5,546734	5,764957	5,671649	5,880270333	0,20862133	1,155583559	---	
17343263	7,930485	7,653038	7,758105	7,948568	8,102938	7,916032	7,7805427	7,989179333	0,20863667	1,155595641	Sik1	
17200231	4,693581	4,014716	4,719857	4,699176	4,669128	4,685801	4,4760513	4,684701667	0,20865033	1,155606588	---	
17315396	4,050939	3,492049	4,067469	4,005758	3,534634	4,69603	3,8701523	4,078807333	0,208655	1,155610326	---	
17237092	9,110794	8,808697	9,359246	9,49753	9,370772	9,036424	9,0929123	9,301575333	0,208663	1,155616734	---	
17432891	4,248786	4,101333	4,168666	4,23346	4,395369	4,516349	4,1729283	4,381726	0,20879767	1,155724609	---	
17236129	5,826819	6,290642	6,401307	6,319896	6,282744	6,542614	6,1729227	6,381751333	0,20882867	1,155749443	Gm19624	
17299891	4,321165	4,279881	4,377037	4,438022	4,481263	4,68549	4,3260277	4,534925	0,20889733	1,155804453	---	
17399496	7,599957	7,797778	7,416933	7,936089	7,792578	7,712754	7,6048893	7,813807	0,20891767	1,155820743	Adar	
17430319	7,873827	7,835165	7,806387	8,03019	8,153535	7,95842	7,8384597	8,047381667	0,208922	1,155824215	S100pbp	
17208459	6,67854	6,858317	6,046359	6,97142	6,548614	6,690042	6,5277387	6,736692	0,20895333	1,155849318	---	
17297383	3,81532	3,855601	3,800716	3,66363	4,088725	4,346232	3,823879	4,032862333	0,20898333	1,155873353	---	
17482079	5,800274	5,72929	5,901635	5,82503	6,195987	6,037226	5,8103997	6,019414333	0,20901467	1,155898458	---	
17434875	3,576071	3,95083	3,370901	4,307087	3,58451	3,633433	3,6326007	3,841676667	0,209076	1,155947599	Speer4d	
17469444	3,984629	3,789165	4,386431	4,314493	4,042938	4,430202	4,0534083	4,262544333	0,209136	1,155995675	---	
17205083	5,760189	5,777234	6,205734	6,166707	6,161556	6,04246	5,9143857	6,123574333	0,20918867	1,156037876	---	
17209273	5,760189	5,777234	6,205734	6,166707	6,161556	6,04246	5,9143857	6,123574333	0,20918867	1,156037876	---	
17478509	2,68491	2,856896	2,742153	2,847752	3,080917	2,98292	2,7613197	2,970529667	0,20921	1,156054971	---	
17489847	7,539845	7,580581	7,565022	7,943452	7,760121	7,609588	7,561816	7,771053667	0,20923767	1,156077141	Zfp507	

17260944	11,06851	10,93676	10,90722	10,99745	11,29123	11,25163	10,97083	11,18010333	0,20927333	1,156105722	Mdh1	
17203149	4,201198	3,699767	3,42077	4,687758	3,686001	3,575816	3,7739117	3,983191667	0,20928	1,156111064	---	
17204831	3,736588	4,305882	3,917824	4,099918	4,243304	4,244925	3,9867647	4,196049	0,20928433	1,156114537	---	
17202123	3,075784	3,237812	3,57219	3,829183	3,241623	3,442862	3,295262	3,504556	0,209294	1,156122283	---	
17341283	6,706541	6,521292	6,780558	6,769741	7,015522	6,851025	6,6694637	6,878762667	0,209299	1,15612629	---	
17299888	3,58676	3,402687	3,442541	3,709491	3,665639	3,684966	3,4773293	3,686698667	0,20936933	1,156182654	---	
17494779	3,761716	2,807055	3,440325	3,910129	3,321306	3,405782	3,3363653	3,545739	0,20937367	1,156186127	Olfr480	
17368257	5,26938	5,535878	5,818718	5,642207	5,783875	5,82603	5,5413253	5,750704	0,20937867	1,156190134	C330006A16Rik // C330006A16Rik	
17206419	4,351152	3,143126	3,370726	4,412787	3,375583	3,704888	3,621668	3,831086	0,209418	1,156221657	---	
17336959	8,04906	8,361308	7,75392	8,027105	8,51118	8,254344	8,0547627	8,264209667	0,209447	1,156244898	---	
17256273	5,145971	5,174009	5,17632	5,512561	5,228188	5,383972	5,1654333	5,374907	0,20947367	1,15626627	---	
17245772	5,649022	5,576206	5,750831	6,03888	5,797274	5,768559	5,6586863	5,868237667	0,20955133	1,156328519	Dtx3	
17540521	8,732211	8,909126	8,783091	8,9081	9,17343	8,971606	8,8081427	9,017712	0,209569333	1,156342946	Cfp	
17203539	5,257441	5,616133	4,991062	5,688621	5,612734	5,192241	5,288212	5,497865333	0,20965333	1,156410276	---	
17545488	6,657881	6,161813	6,47925	6,687922	6,676335	6,563793	6,4329813	6,642683333	0,209702	1,156449286	Kctd12b	
17437607	4,910637	5,139084	5,272345	5,247174	5,430002	5,274083	5,1073553	5,317086333	0,209731	1,156472532	5830416I19Rik	
17466025	6,191626	6,019985	6,273757	6,244559	6,398262	6,471759	6,1617893	6,371526667	0,20973733	1,156477609	Klrg2	
17499447	5,869618	6,032907	6,082307	6,231083	6,207004	6,176031	5,994944	6,204706	0,209762	1,156497382	Arhgef10	
17408753	7,329496	6,723915	6,676387	6,952509	6,948622	7,458174	6,9099327	7,119768333	0,20983567	1,156556436	---	
17211927	5,291516	5,173127	5,224408	5,258564	5,563091	5,497037	5,2296837	5,439564	0,20988033	1,156592245	Cnga3	
17353219	4,095744	4,213546	4,193887	4,218246	4,620376	4,29422	4,1677257	4,377614	0,20988833	1,156598658	Rit2	
17367390	6,618795	6,305942	6,361002	6,754833	6,571461	6,589132	6,4285797	6,638475333	0,20989567	1,156604537	Etl4	
17495692	6,265163	6,006252	6,046254	6,360512	6,242232	6,344656	6,1058897	6,3158	0,20991033	1,156616295	Dcun1d3	
17531405	4,487127	4,151701	4,220201	4,519306	4,421222	4,548304	4,286343	4,496277333	0,20993433	1,156635537	Fbxw15	
17220763	5,657165	6,37749	6,04008	6,261892	5,867146	6,575579	6,0249117	6,234872333	0,20996067	1,156656649	---	
17410410	9,417317	9,358732	9,109238	9,537796	9,600583	9,376837	9,2950957	9,505072	0,20997633	1,156669209	Sgms2	
17205609	4,6933	5,103105	4,641143	5,564853	4,630706	4,872065	4,8125116	5,022541333	0,21002533	1,156708495	---	
17406660	10,02537	10,15011	10,08484	10,44158	10,07758	10,37126	10,086773	10,29680667	0,21003333	1,156714909	---	
17426589	5,833708	5,711976	5,369776	5,860745	5,824655	5,860257	5,6384867	5,848552333	0,21006567	1,156740834	Gm13871	
17426605	5,833708	5,711976	5,369776	5,860745	5,824655	5,860257	5,6384867	5,848552333	0,21006567	1,156740834	Gm13871	
17304523	7,752058	7,919732	7,842443	7,971898	8,094835	8,077957	7,8380777	8,04823	0,21015233	1,156810324	Stab1	
17256082	3,455857	3,667825	3,920503	3,85276	3,647692	4,174272	3,681395	3,891574667	0,21017967	1,156832242	Gsdma2	
17475734	4,961336	5,491557	5,276888	5,203753	5,68924	5,467366	5,2432603	5,453453	0,21019267	1,156842666	Fcgbp	
17203209	4,932537	5,000861	5,211004	5,160891	5,094213	5,519896	5,048134	5,258333333	0,21019933	1,156848011	---	
17473736	3,318875	3,212993	3,7812	3,734457	3,659568	3,549648	3,4376893	3,647891	0,21020167	1,156849882	Vmn1r80	
17344943	3,314675	3,58694	3,546689	3,46253	3,96292	3,653486	3,482768	3,692978667	0,21021067	1,156857099	Crisp3	
17233960	9,287771	9,147587	9,076568	9,431312	9,417389	9,293928	9,170642	9,380876333	0,21023433	1,156876077	Jmjd1c	
17451936	5,121125	5,227767	5,006359	5,361865	5,35559	5,268505	5,118417	5,328653333	0,21023633	1,156877681	---	
17470711	6,441358	5,80278	6,088161	6,312777	6,317434	6,332815	6,1107663	6,321008667	0,21024233	1,156882492	Clstn3	
17299075	6,267296	6,367483	6,151018	6,868237	6,414019	6,13429	6,2619323	6,472182	0,21024967	1,156888373	---	
17202415	6,775074	6,478787	6,790361	6,893061	6,905148	6,876784	6,6814073	6,891664333	0,210257	1,156894253	---	
17283532	5,706357	5,496747	5,519583	5,889618	5,843274	5,620595	5,574229	5,784495667	0,21026667	1,156902005	---	
17503424	5,666575	5,524864	5,800026	5,688291	5,922475	6,011527	5,6638217	5,874097667	0,210276	1,156909489	Gm6531	
17202215	2,833472	3,321677	3,480487	3,418092	3,196525	3,651979	3,2118787	3,422198667	0,21032	1,156944774	---	
17288156	5,037562	4,639342	4,774945	4,916894	5,21299	4,952981	4,817283	5,027621667	0,21033867	1,156959744	1810034E14Rik	
17549408	3,686655	3,713984	3,978254	3,983433	4,024033	4,002472	3,7929643	4,003312667	0,21034833	1,156967496	---	
17475198	4,510143	6,153702	5,709298	4,861149	6,429427	5,713886	5,4577143	5,668154	0,21043967	1,157040743	---	
17344728	5,383645	5,343959	5,910869	5,704485	5,610372	5,955145	5,5461577	5,756667333	0,21050967	1,157096884	H2-M10.1	
17290043	3,867611	3,676437	3,878774	4,077683	3,876223	4,100651	3,8076073	4,018185667	0,21057833	1,157151959	4930544M13Rik	
17287984	9,567643	9,740777	9,751122	9,981943	9,88042	9,828996	9,686514	9,897119667	0,21060567	1,157173882	Dapk1	
17503118	5,718932	6,025039	6,020783	6,212138	6,606159	5,578305	5,9215847	6,132200667	0,210616	1,157182171	Mir27a	
17200943	5,100311	5,075988	5,319758	5,249139	5,498277	5,380568	5,1653523	5,375994667	0,21064233	1,157203293	---	
17277232	6,766806	6,881366	6,617145	6,990708	7,040136	6,866504	6,7551057	6,965782667	0,210677	1,1572311	Coq6	
17371996	5,379877	5,412375	5,210118	5,319483	5,554935	5,759984	5,3341233	5,544800667	0,21067733	1,157231367	D230022J07Rik	
17441592	4,710803	4,64696	4,760098	5,057538	4,849129	4,843523	4,7059537	4,91673	0,21077633	1,157310781	---	
17442796	3,535667	3,591184	3,605902	3,722771	3,994087	3,64831	3,5775843	3,788389333	0,210805	1,157333777	Fzd10	
17283773	4,82425	4,501992	4,577453	4,827323	5,03303	4,675813	4,634565	4,845388667	0,21082367	1,157348751	Tcl1	
17548025	4,525791	4,548885	4,408829	4,929247	4,760818	4,425926	4,4945017	4,705330333	0,21082867	1,157352763	Cryaa // Cryaa	
17205389	6,217916	5,847387	6,640248	6,265893	6,273376	6,798896	6,2351837	6,446055	0,21087133	1,157386991	---	
17478883	9,437806	9,308854	8,975657	9,285572	9,484608	9,584977	9,2407723	9,451719	0,21094667	1,157447428	Mcee	
17209043	3,402791	3,047559	3,811341	3,452995	3,895611	3,545943	3,4205637	3,631516333	0,21095267	1,157452242	---	
17537906	4,354709	3,973752	4,312564	4,377329	4,120277	4,776288	4,213675	4,424631333	0,21095633	1,157455183	Kir3dl1	
17399926	6,925417	7,061225	7,028842	7,275237	7,189648	7,183572	7,0051613	7,216152333	0,210991	1,157482996	Lce1m // Lce1m	
17357648	5,322387	5,367704	3,896948	5,328352	4,968648	4,923114	4,8623463	5,073371333	0,211025	1,157510275	Ms4a4c	
17499670	10,47308	10,53076	10,4883	10,82529	10,5708	10,72913	10,49738	10,70840667	0,21102667	1,157511612	2610005L07Rik	
17317710	5,371843	4,850218	4,988028	5,453314	5,20078	5,18919	5,0700297	5,281094667	0,211065	1,157542368	4930573C08Rik	
17205555	5,261008	5,054556	5,620292	5,768082	5,39049	5,410489	5,311952	5,523020333	0,21106833	1,157545043	---	
17466553	6,762988	6,880104	6,845356	7,0516	7,143092	6,927013	6,8294827	7,040568333	0,21108567	1,15755895	Zfp777	
17436987	5,55012	5,139959	5,57608	5,3399	5,950987	5,608588	5,422053	5,633158333	0,21110533	1,15757473	---	
17319625	8,896038	8,9585	8,93283	9,416299	9,10325	8,901354	8,9291227	9,140301	0,21117833	1,157633305	Cyp2d22	
17486055	3,703895	3,413558	3,442469	3,707976	3,794019	3,691502	3,519974	3,731165667	0,21119167	1,157644003	Vmn1r60	
17290994	7,382037	7,731382	7,611613	7,753673	7,788518	7,816531	7,5750107	7,786240667	0,21123	1,157674763	Olfr1360	
17211441	3,509453	3,561045	3,788455	3,645129	3,710076	4,137511	3,619651	3,830905333	0,21125433	1,157694289	Mir30a	
17207145	5,839297	6,130328	6,032737	6,299956	6,361656	5,974602	6,0007873	6,212071333	0,211284	1,157718096	---	
17292514	5,573966	5,463723	5,504543	5,558372	5,809683	5,808064	5,5140773	5,725373	0,21129567	1,157727458	Gm904	
17318350	7,002212	7,073633	7,056954	7,193627	7,343128	7,229954	7,0442663	7,255569667	0,21130333	1,15773361	Plec	
17474789	6,143908	5,824167	5,377125	5,924146	6,144894	5,910362	5,7817333	5,993134	0,21140067	1,157811721	Vmn1r152	
17208795	4,578889	3,730725	4,22135	4,118963	4,598201	4,448105	4,176988	4,388423	0,211435	1,157839275	---	
17481506	4,116965	3,710365	3,772754	4,240569	4,323271	3,670595	3,8666947	4,078145	0,21145033	1,157851581	Olfr714	
17213894	12,91459	12,9964	12,76651	13,11574	13,09765	13,09853	12,8925	13,10397333	0,21147333	1,15787004	Cps1	
17386630	4,06495	3,582937	4,068948	4,590277	4,048036	3,712966	3,9056117	4,117093	0,21148133	1,15787646	A630050E04Rik	
17371847	8,007797	8,254478	8,051088	8,361518	8,251119	8,335183	8,1044543	8,31594	0,21148567	1,157879938	Pdk1	
17321679	2,98787	3,261453	3,139525	3,329419	3,488643	3,20529	3,129616	3,341117333	0,21150133	1,157892512	---	
17219909	3,935789	3,636136	3,603602	3,96866	3,858832	3,982946	3,7251757	3,936812667	0,211637	1,158001402	Gm16432	
17275640	4,342191	4,277926	4,25046	4,543334	4,601462	4,360702	4,2901923	4,501832667	0,21164033	1,158004078	4921506M07Rik	
17218427	4,418484	4,184521	4,97808	4,86104	5,069527	4,285481	4,5270283	4,738682667	0,21165433	1,158015315	LOC100047957	
17219684	4,746774	3,480645	4,008358	4,342986	4,22272	4,305087	4,0785923	4,290264333	0,211672	1,158029496	Olfr429	
17424352	3,763749	3,563936	3,726008	4,608811	3,646165	3,433746	3,6845643	3,896240667	0,21167633	1,158032974	Gm3893	
17448812	5,039297	4,487303	4,515911	4,654454	5,238689	4,784544	4,680837	4,892562333	0,21172533	1,158072306	---	
17511183	11,69962	11,62446	11,6375	11,69672	11,93992	11,96023	11,65386	11,86562333	0,21176333	1,15810281	Calr	
17540753	6,149644	5,070814	4,817893	6,238672	4,874242	5,560729	5,346117	5,557881	0,211764	1,158103345	Gm6121	
17273474	5,597502	5,662549	5,507717	5,536666	5,824413	6,042018	5,589256	5,801032333	0,21177633	1,158113245	Gm11793	
17228136	5,853392	5,785573	5,856802	6,074594	5,983589	6,07308	5,8319223	6,043754333	0,211832	1,158157932	Lamc2	
17366782	5,062466	5,062336	5,229836	5,626801	5,153627	5,209776	5,1182127	5,330068	0,21185533	1,158176664	Mir467a-3 // Mir467a-3	
17366818	5,062466	5,062336	5,229836	5,626801	5,153627	5,209776	5,1182127	5,330068	0,21185533	1,158176664	Mir467a-3 // Mir467a-3	
17366878	5,062466	5,062336	5,229836	5,626801	5,153627	5,209776	5,1182127	5,330068	0,21185533	1,158176664	Mir467a-3 // Mir467a-3	
17283976	5,697811	5,310416	5,653912	5,630542	5,824722	5,842631	5,5540463	5,765965	0,21191867	1,158227508	Dio3os	
17516068	6,678644	6,961144	7,273851	7,151	7,317574	7,080855	6,971213	7,183143	0,21193	1,158236607	BC024479	
17308056	3,222933	3,295679	3,185719	3,576596	3,687302	3,07631	3,234777	3,446736	0,211959	1,158259889	---	
17210009	6,9829	7,307327	7,051383	7,55152	7,311903	7,11412	7,11387	7,325847667	0,21197767	1,158274876	---	
17526753	5,457993	5,474601	5,633165	5,587246	5,970346	5,644299	5,5219197	5,733963667	0,212044	1,158328133	Ttc12	
17208685	5,896302	5,682064	6,335422	6,395391	6,106396	6,048266	5,9712627	6,183351	0,21208833	1,158363728	---	
17407371	3,705705	3,600677	3,680448	3,967973	3,933348	3,72191	3,6622767	3,874410333	0,21213367	1,158400128	9130204L05Rik	
17466982	5,217785	4,960282	5,01817	5,089812	5,429685	5,313142	5,0654123	5,277546333	0,212134	1,158400395	Scrn1	
17272843	3,883418	3,830109	3,933743	4,004589	4,05874	4,220607	3,8824233	4,094645333	0,212222	1,158471056	---	
17250920	5,79513	5,548891	5,723476	5,991714	5,809091	5,903454	5,6891657	5,901419667	0,212254	1,158496752	Gm12296	
17385054	3,998919	4,058849	4,249447	4,502602	4,242084	4,199315	4,102405	4,314667	0,212262	1,158503177	---	
17326640	3,908005	4,490676	4,292119	4,499183	4,516319	4,312316	4,2302667	4,442606	0,21233933	1,158565278	Rbm11	
17444958	5,481653	5,084409	5,235203	5,580184	5,403934	5,454342	5,2670883	5,479486667	0,21239833	1,158612659	2310047D07Rik	
17258584	6,235163	6,547611	6,421132	6,700274	6,694041	6,446813	6,401302	6,613709333	0,21240733	1,158619887	Sphk1	
17472303	3,882284	3,736633	3,452316	3,9468	4,056643	3,705013	3,690411	3,902818667	0,21240767	1,158620155	Igbp1b	
17549340	5,894916	6,246289	6,50257	6,278081	6,526516	6,476429	6,2145917	6,427008667	0,212417	1,15862765	---	
17339434	9,81639	9,648689	9,52371	9,752379	9,97407	9,89961	9,6629297	9,875353	0,21242333	1,158632737	Lpin2	
17334646	3,394047	3,458618	3,512681	3,761485	3,805577	3,435606	3,4551153	3,667556	0,21244067	1,158646657	---	
17210625	5,46699	5,592023	4,81883	5,230208	5,839885	5,445073	5,2926143	5,505555333	0,212441	1,158646925	---	
17295627	3,37172	3,60364	3,198752	3,810423	3,434587	3,566514	3,3913707	3,603841333	0,21247067	1,158670751	Naip1	
17538804	8,902944	9,607678	9,282753	9,455029	9,563873	9,41191	9,2644583	9,476937333	0,212479	1,158677444	---	
17204443	4,299128	4,029088	4,299128	4,816509	4,001392	4,446982	4,2091147	4,421627667	0,212513	1,15870475	---	
17408765	8,050239	7,917442	7,822816	8,064768	8,225578	8,137836	7,9301657	8,142727333	0,21256167	1,158743838	Mov10	
17534213	5,171429	4,694588	5,524853	5,612374	5,215124	5,201227	5,13029	5,342908333	0,21261833	1,158789352	Rhox2c	
17470187	7,108432	7,330512	6,816844	7,419108	7,297224	7,177323	7,0852627	7,297885	0,21262233	1,158792565	Zfp9	
17300119	7,094108	6,536987	6,582783	7,055102	6,892444	6,904348	6,7379593	6,950631333	0,212672	1,158832459	---	
17342005	5,672859	6,193632	5,338126	5,616543	5,403666	6,822583	5,7348723	5,947597333	0,212725	1,158875031	---	
17351193	3,859121	4,001847	3,855694	3,88322	4,343145	4,128805	3,905554	4,11839	0,212836	1,158964198	---	
17514988	6,587133	6,436145	6,558434	6,627819	6,994222	6,598186	6,5272373	6,740075667	0,21283833	1,158966072	Zfp846	
17265912	4,917301	4,883277	4,966225	5,260174	5,068431	5,076766	4,9222677	5,135123667	0,212856	1,158980265	Hic1	
17464136	5,341696	5,473805	5,780749	5,649927	5,82716	5,757901	5,5320833	5,744996	0,21291267	1,159025788	B230216G23Rik	
17377630	5,175892	4,966244	5,145854	5,260919	5,276871	5,388994	5,0959967	5,308928	0,21293133	1,159040785	Rspo4	
17305468	5,169864	4,989343	4,468747	5,389088	4,78723	5,090726	4,8759847	5,089014667	0,21303	1,159120055	Gm10375	
17333493	6,41497	6,329194	6,586737	6,839158	6,375743	6,755091	6,4436337	6,656664	0,21303033	1,159120323	9030025P20Rik	
17476866	5,457563	5,424705	5,608303	5,648678	5,835984	5,645162	5,496857	5,709941333	0,21308433	1,159163709	Tshz3	
17387822	3,086799	3,123178	2,835919	3,631862	3,074017	2,980062	3,0152987	3,228647	0,21334833	1,159375845	Olfr1173	
17440342	4,351154	4,526298	4,429615	4,736724	4,744496	4,466026	4,435689	4,649082	0,213393	1,159411741	LOC100642166 // LOC100642166	
17485815	4,731606	4,695868	4,963113	5,149264	4,999742	4,881841	4,7968623	5,010282333	0,21342	1,159433439	Syt5	

17452430	6,111608	6,137186	6,144623	6,186157	6,537006	6,31085	6,131139	6,344671	0,213532	1,159523452	Ift81
17221247	9,129768	9,520989	9,560693	9,286609	9,611987	9,953622	9,4038167	9,617406	0,21358933	1,159569533	---
17511546	4,440921	4,431073	3,903813	4,255653	4,1988	4,962163	4,2586023	4,472205333	0,213603	1,159580518	---
17238938	8,093097	8,254968	8,176263	8,594888	8,52825	8,042126	8,174776	8,388421333	0,21364533	1,159614544	Syne1
17373450	7,192597	7,244575	6,914232	7,597546	7,422164	6,972676	7,1171347	7,330795333	0,21366067	1,159626869	Phf21a
17325619	8,348011	8,355163	8,111633	8,502818	8,460612	8,492384	8,2716023	8,485271333	0,213669	1,159633567	Tmem39a
17289281	7,823324	7,541294	7,558496	7,517152	8,021431	8,025586	7,641038	7,854723	0,213685	1,159646428	F2rl2
17440692	6,748811	6,447367	6,602262	6,921454	6,675858	6,842209	6,59948	6,813173667	0,21369367	1,159653394	Hps4
17222606	5,668222	5,558029	5,602641	5,875813	5,938457	5,655709	5,6096307	5,823326333	0,21369567	1,159655002	Mfsd9
17416347	6,030345	5,896097	5,96982	6,373455	6,21287	5,9511	5,9654207	6,179141667	0,213721	1,159675365	Pars2
17527013	8,893213	8,530151	8,858583	8,936885	9,009949	8,976481	8,760649	8,974438333	0,21378933	1,159730295	Gm6981
17254470	7,002438	7,267112	7,198131	7,382054	7,458336	7,268698	7,1558937	7,369696	0,21380233	1,159740745	Gm10374
17303306	3,960366	4,141325	4,226435	4,276686	4,092177	4,600709	4,1093753	4,323190667	0,21381533	1,159751195	---
17326235	6,918128	7,010427	6,962521	7,237177	7,045784	7,249569	6,963692	7,17751	0,213818	1,159753339	---
17516303	4,244684	3,98846	3,86898	4,129147	4,101681	4,512774	4,0340413	4,247867333	0,213826	1,15975977	1700001J11Rik
17487570	6,270511	6,036911	5,586441	5,807905	6,402641	6,324815	5,964621	6,178453667	0,21383267	1,159765129	Vmn1r127
17462143	3,233839	3,12876	3,724658	3,612157	3,458767	3,657881	3,362419	3,576268333	0,21384933	1,159778528	---
17309664	4,592436	4,38909	4,443992	4,653497	4,530898	4,88274	4,4751727	4,689045	0,21387233	1,159797017	Gm5089
17459425	7,83571	7,737232	7,674577	8,077816	7,908675	7,902715	7,749173	7,963068667	0,21389567	1,159815776	Eif2ak3
17202349	7,994864	7,213579	7,365291	7,728992	7,535087	7,951404	7,524578	7,738494333	0,21391633	1,15983239	---
17533943	6,279306	6,071351	6,073556	6,701142	6,23506	6,129859	6,1414043	6,355353667	0,21394933	1,15985892	Gm14354
17337122	5,508821	5,78363	5,483426	5,552979	5,74749	6,117408	5,591959	5,805959	0,214	1,159899655	H2-Q6
17387846	4,204333	4,041208	4,343865	4,73572	4,362181	4,133699	4,1964687	4,410533333	0,21406467	1,159951646	Olfr1196
17268061	4,032725	3,91956	3,587737	4,025974	3,77491	4,381393	3,846674	4,060759	0,214085	1,159967995	Gm11541
17258041	5,687577	5,731856	6,051635	5,990288	6,080087	6,042981	5,8236893	6,037785333	0,214096	1,159976839	Dnaic2
17502084	3,847124	3,621288	3,530281	3,855024	3,962615	3,82356	3,666231	3,880399667	0,21416867	1,160035267	Mir1969
17205567	2,601993	2,703882	2,674052	2,815713	2,573599	3,233192	2,6599757	2,8741168	0,21419233	1,160054297	---
17225815	8,128366	7,657964	7,599708	7,823905	8,227691	7,977208	7,795346	8,009601333	0,21425533	1,160104956	St8sia4
17463550	9,466587	9,55286	9,264156	9,445231	9,780104	9,70122	9,4278677	9,642185	0,21431733	1,160154813	Gabarapl1
17227530	2,939525	3,251467	2,982491	3,141286	3,226817	3,448369	3,0578277	3,272157333	0,21432967	1,160164731	---
17521661	7,738095	7,615538	7,556489	7,902098	7,829986	7,821087	7,6367073	7,851057	0,21434967	1,160180814	Amt
17206295	4,980129	4,849198	4,720561	5,279991	4,957173	4,955894	4,8499627	5,064352667	0,21439	1,16021325	---
17431880	7,301157	7,323645	7,465414	7,687778	7,635577	7,410051	7,3634053	7,577802	0,21439667	1,160218611	Pqlc2
17431588	5,146547	5,06545	5,343044	5,282438	5,712544	5,203318	5,1850137	5,399433333	0,21441967	1,160237108	Ephb2
17538782	8,553392	8,613563	8,052687	8,909459	8,284732	8,668962	8,4065473	8,621051	0,21450367	1,160304664	---
17400015	3,889547	4,023335	3,659099	5,114346	3,787655	3,313666	3,857327	4,071889	0,214562	1,16035158	---
17206617	3,195828	2,972833	3,147465	3,456395	3,250916	3,252578	3,1053753	3,319963	0,21458767	1,160372224	---
17207061	5,349502	5,547565	5,332009	5,6975	5,705851	5,469497	5,409692	5,624282667	0,21459067	1,160374637	---
17517068	4,50726	4,369783	4,440958	4,528139	4,890828	4,542851	4,4393337	4,653939333	0,21460567	1,160386701	Gm4894 // Gm4894
17395379	7,768357	8,249195	7,74925	7,974116	7,978304	8,458453	7,9222673	8,136957667	0,21469033	1,160454802	---
17316402	5,396554	5,713472	5,092921	5,459533	5,620583	5,766981	5,4009823	5,6156999	0,21471667	1,160475984	Nipal2
17499102	4,438139	4,156243	4,225648	4,357716	4,682018	4,424473	4,2733433	4,488069	0,21472567	1,160483224	Spaca7
17274310	7,120941	7,479378	7,212319	7,423484	7,528185	7,505147	7,2708793	7,485605333	0,214726	1,160483492	Hpcal1
17448782	6,967957	7,681977	8,189932	7,545776	7,916009	8,022489	7,6132887	7,828091333	0,21480267	1,160545163	---
17202329	4,894548	5,308341	4,843509	5,951411	5,076349	4,663235	5,015466	5,230331667	0,21486567	1,160595843	---
17256959	10,2461	10,17752	10,18944	10,41991	10,41528	10,42266	10,204353	10,41928333	0,21493	1,160647598	Grn
17315729	3,15286	3,137841	3,27923	3,737238	3,22787	3,249699	3,189977	3,404935667	0,21495867	1,160670661	---
17438880	4,913847	5,054199	4,693053	5,215731	4,794018	5,296359	4,887033	5,102036	0,215003	1,160706328	---
17202439	4,272663	4,09409	3,839679	4,285675	4,621868	3,943977	4,0688107	4,28384	0,21502933	1,160727514	---
17311488	3,1566	3,218022	3,489562	3,502666	3,376376	3,630516	3,2880613	3,503186	0,21512467	1,160804218	---
17483110	7,271359	7,379042	7,118545	7,365055	7,555422	7,493882	7,2563153	7,471453	0,21513767	1,160814678	Ypel3
17501204	7,332047	7,194686	7,187541	7,481511	7,412086	7,466137	7,2380913	7,453244667	0,21515333	1,160827284	Gm2745
17463716	5,071433	5,003719	5,144175	5,014455	5,305863	5,54452	5,073109	5,288279333	0,21517033	1,160840962	2810454H06Rik
17241045	5,926534	5,551124	5,734821	6,026085	5,874498	5,957463	5,737493	5,952682	0,215189	1,160855982	Chst3
17205827	4,945302	3,556081	4,1847	4,478904	4,05874	4,794019	4,2286943	4,443887667	0,21519333	1,160859469	---
17200385	5,449958	6,107344	5,482055	5,453288	6,682233	5,549562	5,6797857	5,895027667	0,215242	1,160898629	---
17459760	3,264729	3,475665	3,081358	3,511015	3,649645	3,306923	3,2739173	3,489194333	0,215277	1,160926793	Reg2
17526426	8,928595	8,910759	8,778637	8,964174	9,098877	9,200824	8,8726637	9,087958333	0,21529467	1,160941009	Ube4a
17323057	5,697146	4,671328	4,565186	5,342975	5,046705	5,189903	4,9778867	5,193194333	0,21530767	1,160951471	1810007I06Rik // 1810007I06Rik
17225360	6,192751	6,2837	6,148509	6,360259	6,468029	6,442647	6,20832	6,423645	0,215325	1,160965419	Arl4c
17306507	6,400126	6,480235	6,663447	6,634025	6,81624	6,739518	6,5146027	6,729927667	0,215325	1,160965419	Slc22a17
17277043	7,845135	7,940962	8,01434	8,211596	8,169873	8,065114	7,933479	8,148861	0,215382	1,161011289	Dcaf4
17289207	9,291759	9,312392	9,184493	9,503485	9,574067	9,35731	9,2628813	9,478287333	0,215406	1,161030603	Ap3b1
17549364	8,651785	8,565223	8,649295	8,716212	9,018074	8,778337	8,622101	8,837541	0,21544	1,161057965	---
17549758	8,651785	8,565223	8,649295	8,716212	9,018074	8,778337	8,622101	8,837541	0,21544	1,161057965	---
17206745	7,203309	7,116857	7,158258	7,676221	7,113499	7,335065	7,1594747	7,374928333	0,21545367	1,161068964	---
17233790	5,23818	5,048746	5,252948	5,509783	5,490231	5,186418	5,179958	5,395477333	0,21551933	1,161121813	4930507D05Rik
17465608	4,100099	4,402852	4,262439	4,365877	4,783287	4,262954	4,25513	4,470706	0,215576	1,161167421	AB041803
17479875	9,464235	9,371902	9,1702	9,504709	9,601407	9,547203	9,3354457	9,551106333	0,21566067	1,161235568	Stard5
17403335	4,729579	4,587174	4,296297	4,886639	4,812405	4,56133	4,5376833	4,753458	0,21577467	1,161327331	Clca6
17269085	8,308537	8,097374	8,088073	7,991936	8,535517	8,613893	8,1646613	8,380448667	0,21578733	1,161337527	Krt20
17492803	5,619794	5,437578	5,723465	5,621841	5,819268	5,987222	5,5936123	5,809443667	0,21583133	1,161372947	BC048679
17210521	3,421309	3,637137	3,799029	3,817088	4,018634	3,669374	3,6191583	3,835032	0,21587367	1,161407026	---
17527830	4,852711	4,603133	5,369874	4,996751	5,291744	5,184889	4,941906	5,157794667	0,21588867	1,161419101	Nr2e3
17347531	5,167075	4,925945	4,850101	5,221032	5,444765	4,925241	4,9810403	5,197012667	0,21597233	1,161486458	Gm10190
17279914	3,356356	3,22223	3,205556	3,377005	3,62957	3,425668	3,2613807	3,477414333	0,21603367	1,161535837	---
17492066	7,251811	7,195475	7,038684	7,556918	7,285622	7,291538	7,16199	7,378026	0,216036	1,161537716	Nr2f2
17395920	5,60712	5,813611	5,519465	6,064902	5,864055	5,659406	5,646732	5,862787667	0,21605567	1,16155355	Samd10
17238718	6,626944	6,442852	6,330005	6,777501	6,571091	6,699628	6,4666003	6,68274	0,21613967	1,161621183	B020014A21Rik
17201067	9,096271	9,154085	9,145594	8,964227	9,569081	9,511128	9,1319833	9,348145333	0,216162	1,161639165	---
17281567	4,803293	4,798856	4,81937	4,952366	5,056559	5,061178	4,807173	5,023367667	0,21619467	1,161665468	5830428M24Rik
17378302	11,03218	10,79775	11,00169	11,31441	11,23665	10,9294	10,943873	11,16015333	0,21628	1,161734181	---
17238904	6,655221	6,636971	6,819631	7,08617	6,968265	6,706266	6,703941	6,920233667	0,21629267	1,161744381	Syne1
17309366	4,436723	4,340406	4,658429	4,621457	4,787749	4,675316	4,4785193	4,694840667	0,21632133	1,161767465	---
17413061	6,042167	5,64871	6,445724	6,79812	5,964523	6,023009	6,0455337	6,261884	0,21635033	1,161790818	---
17446211	5,781567	5,643358	5,804146	6,004229	5,994891	5,879047	5,7430237	5,959389	0,21636533	1,161802898	---
17409858	6,963025	7,020069	6,812285	7,079909	7,207261	7,157327	6,931793	7,148165667	0,21637267	1,161808803	Rwdd3
17203477	5,103323	4,924862	5,262314	5,594817	4,61547	5,729369	5,096833	5,313218667	0,21638567	1,161819272	---
17407956	8,25701	8,042177	7,74159	8,143204	8,254998	8,291812	8,0135923	8,230004667	0,21641233	1,161840747	Car14
17437998	7,742285	7,853946	7,876791	8,013447	8,013849	8,095003	7,8243407	8,040766333	0,21642567	1,161851485	Guf1
17487223	5,400515	5,490246	5,817087	5,900136	5,615279	5,841874	5,5692827	5,785763	0,21648033	1,161895511	---
17289848	4,053598	3,999862	3,747458	4,04927	4,370832	4,030264	3,9336393	4,150122	0,21648267	1,16189739	---
17542267	5,693493	6,384456	6,18813	6,161315	6,335093	6,419134	6,088693	6,305180667	0,21648767	1,161901417	Xlr3a
17419369	6,672957	6,869605	6,975928	7,267999	6,889855	7,010113	6,8394967	7,055989	0,21649233	1,161905175	Tmem200b
17292677	3,982486	3,673594	3,648193	3,8543	4,023531	4,076009	3,768091	3,984613333	0,21652233	1,161929337	Drd1a
17479889	4,644944	4,73267	4,968436	4,830554	5,097764	5,06737	4,7820167	4,998562667	0,216546	1,161948398	---
17204127	4,849034	5,601087	5,530282	5,35905	5,753972	5,517146	5,326801	5,543389333	0,21658833	1,161982494	---
17208461	6,216431	6,059676	5,881122	6,866518	6,558004	5,382543	6,0524097	6,269021667	0,216612	1,162001556	---
17237975	4,493212	4,534792	4,635461	4,664571	4,852268	4,796474	4,5544883	4,771104333	0,216616	1,162004777	---
17437876	5,405066	5,150512	5,569897	5,657167	5,503624	5,614575	5,3751583	5,591788667	0,21663033	1,162016322	Uchl1
17474728	6,50719	6,220519	5,552065	6,308292	6,272196	6,349249	6,093258	6,309912333	0,21665433	1,162035653	Vmn1r100
17358020	7,048282	6,96512	6,407458	7,164747	6,725947	7,180346	6,8069533	7,02368	0,21672667	1,162093916	Nmrk1
17206847	5,742079	6,525622	6,294608	6,313064	6,49467	6,40476	6,1874363	6,404164667	0,21672833	1,162095259	---
17253640	5,298555	5,072049	5,183493	5,35653	5,496312	5,351445	5,184699	5,401429	0,21673	1,162096601	Gm11194
17423479	7,141291	7,29311	7,00534	7,350533	7,563052	7,176366	7,1465803	7,3633117	0,21673667	1,162101971	Osgin2
17210103	5,069229	5,539518	5,768026	5,603374	6,05064	5,372991	5,4589243	5,675668333	0,216744	1,162107878	---
17516276	3,88151	3,911695	3,909015	4,143631	4,174319	4,034814	3,90074	4,117588	0,216848	1,162191654	Olfr963
17206335	3,808633	3,699698	3,71388	4,215739	3,802079	3,855032	3,740737	3,957616667	0,21687967	1,162217164	---
17431910	5,884932	5,69024	6,045547	6,020226	6,016356	6,234978	5,873573	6,09052	0,216947	1,162271409	Pax7
17474329	4,27583	4,171866	4,267757	4,586186	4,492836	4,287432	4,2384843	4,455484667	0,21700033	1,162314376	Ceacam12
17459716	9,8468	9,784049	9,665684	9,887711	10,0579	10,00204	9,765511	9,982550333	0,21703933	1,162345797	Suclg1
17341155	7,489209	7,457731	7,719247	7,806162	7,818363	7,693388	7,5553957	7,772637667	0,217242	1,162509092	Tcte3
17203031	4,665756	5,12319	5,123579	6,388299	4,612673	4,563488	4,9708417	5,188153333	0,21731167	1,16256523	---
17533843	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17533858	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17533882	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17533926	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17540846	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17540906	6,310067	5,217152	5,149741	6,267694	5,141801	5,919403	5,5589867	5,776299333	0,21731267	1,162566036	Gm10058 // Gm10058
17207429	4,966406	5,46726	5,673198	5,866254	5,525357	5,367216	5,3689547	5,586275667	0,217321	1,162572751	---
17276985	7,314626	7,44334	7,121799	7,468669	7,494593	7,568578	7,293255	7,510613333	0,21735833	1,162602836	Sipa1l1
17323075	7,778986	8,061126	8,667914	8,321734	8,177934	8,66083	8,169342	8,386832667	0,21749067	1,162709483	---
17209531	5,107605	5,818141	6,235176	5,54623	6,023629	6,243958	5,7203073	5,937939	0,21763167	1,162823124	---
17201217	6,421132	7,054082	6,064312	5,894304	6,922351	7,375816	6,5131753	6,730823667	0,21764833	1,162836558	---
17244476	6,746432	6,618767	6,423085	6,997004	6,775239	6,669063	6,5960947	6,813768667	0,217674	1,162857246	Cradd
17248726	10,92718	11,53781	11,22638	11,34613	11,41932	11,57908	11,230457	11,44817667	0,21772	1,162894324	---
17261029	4,125987	3,646767	4,045276	4,505159	3,820436	4,145722	3,9393433	4,157105667	0,21776233	1,162928447	---
17366985	5,129284	4,930054	4,930794	5,048527	5,236251	5,358647	4,9967107	5,214475	0,21776433	1,162930059	---
17499335	5,582692	5,446574	5,507031	5,736381	5,812973	5,640396	5,512099	5,729916667	0,21781767	1,162973051	Fam70b
17202195	3,54041	4,412787	3,966638	4,951881	4,121953	3,49953	3,9732783	4,191121333	0,217843	1,162993473	---
17371939	4,091963	4,099603	4,180054	4,459463	4,524707	4,04113	4,1238733	4,341766667	0,21789333	1,163034049	---
17360689	4,042279	3,935051	4,271884	4,35631	4,589476	3,957223	4,0830713	4,301003	0,21793167	1,163064952	6720468P15Rik
17218479	8,256198	8,491034	8,219864	8,503913	8,568081	8,548928	8,3223653	8,540307333	0,217942	1,163073282	Sec16b
17202615	5,578366	6,110904	5,819428	6,224064	5,994292	5,944172	5,8362327	6,054176	0,21794333	1,163074357	---

17477347	3,375242	3,24754	3,949753	3,773662	3,736072	3,716706	3,5241783	3,742146667	0,21796833	1,163094512	Klk1b22
17316365	4,90108	4,829351	5,051838	5,141967	5,546568	4,74789	4,927423	5,145475	0,218052	1,163161965	Tspyl5
17205387	4,239123	4,657546	5,215768	5,311587	4,538308	4,916736	4,7041457	4,922210333	0,21806467	1,163172178	---
17548356	4,433595	4,455525	4,432004	4,629218	4,784676	4,561666	4,4403747	4,65852	0,21814533	1,163237217	Gm10572
17204257	5,089762	4,711532	5,689476	5,929046	5,276366	4,939864	5,16359	5,381758667	0,21816867	1,163256031	---
17477796	5,28465	5,068071	5,330807	5,675458	5,313672	5,348942	5,2278427	5,446024	0,21818133	1,163266244	Ntf5
17410492	7,629003	7,765498	7,818002	8,128861	7,979198	7,759244	7,737501	7,955767667	0,21826667	1,163335052	Tet2
17507786	4,125946	4,112269	4,143555	4,267413	4,276732	4,492483	4,1272567	4,345542667	0,218286	1,163350641	Mir3106
17293338	4,058039	4,221405	4,612637	4,495327	4,581324	4,470412	4,2973603	4,515687667	0,21832733	1,163383972	4930486L24Rik
17344626	4,910853	4,659025	4,252673	4,794186	4,758555	4,92483	4,607517	4,825857	0,21834	1,163394186	---
17317426	3,013551	2,68348	3,137845	3,158456	3,250553	3,081084	2,9449587	3,163364333	0,21840567	1,163447141	---
17208817	5,681355	5,569645	5,420309	5,904791	5,594966	5,826836	5,557103	5,775531	0,218428	1,163465152	---
17208607	6,88638	7,817271	7,510636	7,017781	8,230252	7,621645	7,4047623	7,623226	0,21846367	1,163493916	---
17495834	5,772271	6,023898	5,608394	6,215158	5,851721	5,993135	5,801521	6,020004667	0,21848367	1,163510045	---
17205353	3,84861	4,224223	4,609617	4,581181	4,393623	4,3631	4,2274833	4,445968	0,21848467	1,163510852	---
17237353	4,142544	4,24421	4,314766	4,434124	4,51226	4,410663	4,23384	4,452349	0,218509	1,163530477	4930473D10Rik
17323390	4,910164	4,945889	5,001384	5,324721	5,128053	5,06027	4,952479	5,171014667	0,21853567	1,163551983	Ypel1
17323603	6,440975	6,436131	6,600029	6,843622	6,767731	6,521466	6,4923783	6,710939667	0,21856133	1,163572684	Scarf2
17483912	4,850644	5,154055	4,901334	5,169551	5,180368	5,211801	4,9686777	5,18724	0,21856233	1,163573491	Htra1
17285095	5,82967	6,070577	6,431908	6,193146	6,325099	6,469673	6,1107183	6,329306	0,21858767	1,163593923	---
17338743	6,257804	6,921884	7,052775	6,936399	6,884837	7,067017	6,7441543	6,962751	0,21859667	1,163601182	Fem1a
17477670	9,735785	9,715865	9,751568	9,907546	9,909073	10,04246	9,734406	9,953026333	0,21862033	1,16362027	Rras
17337197	5,122238	5,013013	5,471655	5,258118	5,515538	5,489318	5,202302	5,420991333	0,21868933	1,163675924	Cdsn
17543365	9,030196	8,815422	8,606177	9,010674	8,984868	9,112439	8,817265	9,035993667	0,21872867	1,163707651	Vsig4
17459735	5,37596	5,452337	5,597458	5,560906	5,652651	5,868471	5,4752517	5,694009333	0,21875767	1,163731043	Lrrtm1
17205423	7,747221	7,592927	7,382253	8,127217	7,520819	7,730701	7,5741337	7,792912333	0,21877867	1,163747982	---
17309675	5,640594	5,114475	5,50015	5,634852	5,64953	5,624317	5,4174063	5,636233	0,21882667	1,163786702	Zic5
17203351	5,608488	5,650623	4,645567	5,837294	5,320171	5,404047	5,3015593	5,520504	0,21894467	1,163881894	---
17236747	6,217346	6,143396	5,897026	6,449222	6,277253	6,188642	6,0859227	6,305039	0,21911633	1,164020393	---
17447404	5,198618	5,024507	5,26384	5,403666	5,519309	5,221428	5,1623217	5,381467667	0,219146	1,164044329	Sorcs2
17338136	7,149613	7,171758	7,015762	7,374732	7,30371	7,316269	7,1123777	7,331570333	0,21919267	1,164081983	Cul7
17205829	4,425369	4,331383	4,305698	4,634758	4,069693	5,015605	4,35415	4,573352	0,219202	1,164089514	---
17539241	6,042099	5,82217	5,815793	6,123483	6,357656	5,856582	5,893354	6,112573667	0,21921967	1,164103769	Map3k15
17260815	7,761364	7,62651	7,447176	7,844387	7,823867	7,824804	7,6116833	7,831019333	0,219336	1,164197641	Meis1
17451124	5,761765	5,784672	5,887671	5,772001	6,204109	6,116163	5,8113693	6,030757667	0,21938833	1,164239873	---
17460584	9,747391	9,995798	10,16849	10,31196	10,13092	10,12716	9,9705597	10,19001333	0,21945367	1,164292598	---
17306690	5,639153	5,785083	6,085485	5,98412	6,000924	6,183164	5,8365737	6,056069333	0,21949567	1,164326493	Dcaf11
17372140	7,734059	7,937745	7,735589	7,952837	8,041964	8,071345	7,8024643	8,022048667	0,21958433	1,164398054	Hnrnpa3
17205695	6,537359	6,420706	5,600374	6,632142	6,118712	6,466385	6,1861463	6,405746333	0,2196	1,164410699	---
17270211	6,632687	6,623875	6,197915	6,831195	6,772062	6,510137	6,4848257	6,704464667	0,219639	1,164442176	Fam171a2
17349906	3,700651	3,883283	3,642006	3,835435	4,195183	3,854531	3,74198	3,961716333	0,21973633	1,164520739	Pcdhb12
17206441	5,260637	5,398636	5,722853	5,941415	5,576501	5,523536	5,4607087	5,680484	0,21977533	1,16455222	---
17270999	11,64971	11,70143	11,86669	12,07973	11,91523	11,8823	11,739277	11,95908667	0,21981	1,164580204	Ddx5
17219454	11,4198	10,94008	11,16571	11,28083	11,59884	11,30536	11,175197	11,39501	0,21981333	1,164582894	---
17549218	5,092025	5,065107	5,195299	5,335459	5,43627	5,240162	5,117477	5,337297	0,21982	1,164588276	---
17549308	5,092025	5,065107	5,195299	5,335459	5,43627	5,240162	5,117477	5,337297	0,21982	1,164588276	---
17449630	8,734607	8,70778	7,896401	8,700114	8,542026	8,756184	8,4462627	8,666108	0,21984533	1,164608726	---
17517001	7,355415	7,292809	7,388937	7,525884	7,687304	7,483795	7,3457203	7,565661	0,21994067	1,164685686	Usp28
17202393	7,285247	6,517634	7,142353	7,43907	7,501041	6,66502	6,9817447	7,201710333	0,21996567	1,164705868	---
17476860	7,237169	6,775704	7,149817	7,420846	7,290023	7,111727	7,05423	7,274198667	0,21996867	1,16470829	Gm10166
17241719	3,878736	3,838984	4,082313	4,020576	4,290628	4,148932	3,9333443	4,153378667	0,22003433	1,164761305	D630013N20Rik
17200371	7,260848	7,34516	6,273024	7,235851	7,120486	7,182842	6,9596773	7,179726333	0,220049	1,164773146	---
17200809	3,30565	3,134284	3,472348	3,576179	3,654644	3,341902	3,304094	3,524241667	0,22014767	1,164852809	---
17206919	6,073553	6,024207	5,117238	6,329464	5,89999	5,646094	5,7383327	5,958516	0,22018333	1,164881607	---
17539089	3,899275	3,659706	3,989361	4,05764	4,100368	4,050948	3,8494473	4,069652	0,22020467	1,164898832	---
17260089	9,467248	9,425458	9,485373	9,722457	9,719645	9,596704	9,4593597	9,679602	0,22024233	1,164929246	Ewsr1
17205097	6,008563	6,114083	6,576902	6,622687	6,829676	5,907963	6,2331827	6,453442	0,22025933	1,164942973	---
17209287	6,008563	6,114083	6,576902	6,622687	6,829676	5,907963	6,2331827	6,453442	0,22025933	1,164942973	---
17501633	11,49756	11,41368	11,50867	11,60263	11,73392	11,74414	11,473303	11,69356333	0,22026	1,164943512	Lpl
17458962	8,773851	9,151578	8,295622	9,112222	8,901053	8,868574	8,7403503	8,960616333	0,220266	1,164948357	Herc6
17323849	7,416001	7,365973	7,333233	7,592075	7,594289	7,590098	7,3717357	7,592154	0,22041833	1,165071369	Yeats2
17334697	8,679696	8,520288	8,387813	8,73967	8,757854	8,751917	8,5292657	8,749813667	0,220548	1,165176088	Lmf1
17356041	8,196975	8,043073	7,971578	8,219755	8,295983	8,357639	8,070542	8,291125667	0,22058367	1,165204894	Acy3
17292327	4,546532	5,651409	3,75556	4,297374	4,742604	5,575292	4,651167	4,871756667	0,22058967	1,16520974	Mirlet7f-1
17207265	4,610417	3,533791	4,752013	4,259855	4,457468	4,840684	4,2987403	4,519335667	0,22059533	1,165214317	---
17330544	5,228259	5,382645	5,375558	5,787638	5,421771	5,438861	5,3288207	5,549423333	0,22060267	1,16522024	Sidt1
17280259	6,33736	6,460771	6,477233	6,614104	6,524624	6,798754	6,4251213	6,645827333	0,220706	1,165303702	---
17435053	5,288611	5,19657	5,582157	5,576658	5,600872	5,551949	5,3557793	5,576493	0,22071367	1,165309895	A630072M18Rik
17205651	5,31617	6,13556	6,120277	6,501645	5,591231	6,141272	5,8573357	6,078049333	0,22071367	1,165309895	---
17434478	3,010796	3,097857	3,301297	3,447245	3,221608	3,403325	3,13665	3,357392667	0,22074267	1,165333319	---
17202009	3,979811	3,571191	3,010409	4,136678	3,681077	3,405954	3,5204703	3,741236333	0,220766	1,165352167	---
17200699	6,190204	5,371403	6,450421	6,225167	6,431359	6,01787	6,0040093	6,224798667	0,22078933	1,165371015	---
17302640	5,587043	5,511024	5,460457	5,574076	5,705933	5,94103	5,519508	5,740346333	0,22083833	1,165410596	Mir17hg
17462430	6,855037	6,622846	6,737058	6,687243	7,301859	6,888406	6,7383137	6,959169333	0,22085567	1,165424598	Tuba8
17313254	4,767671	4,769258	4,799806	4,951898	5,054812	4,992633	4,7789117	4,999781	0,22086933	1,165435638	Mchr1
17539046	3,832668	3,557683	3,338428	3,734414	3,850527	3,806605	3,5762597	3,797182	0,22092233	1,165478454	---
17313008	7,178891	7,161802	7,255903	7,484146	7,49985	7,275461	7,1988653	7,419819	0,22095367	1,165503766	Cby1
17497704	4,686008	4,295859	4,472724	4,76734	4,696989	4,653146	4,4848637	4,705825	0,22096133	1,16550996	Cox8b
17208771	3,045897	3,405555	3,056266	3,013445	3,555152	3,602069	3,1692393	3,390222	0,22098267	1,165527195	---
17531168	9,169076	9,140165	8,964661	9,124557	9,387811	9,424506	9,0913007	9,312291333	0,22099067	1,165533658	Dag1
17281025	7,744103	7,830324	7,516145	7,870619	7,915606	7,967496	7,6968573	7,917907	0,22104967	1,165581324	Heatr5a
17424199	5,917064	6,129109	5,954524	6,279795	6,08182	6,302299	6,0002323	6,221304667	0,22107233	1,165599637	---
17384288	7,111441	7,208106	7,188496	7,357815	7,477808	7,335658	7,1693477	7,390427	0,22107933	1,165605293	Rabepk
17398218	5,617797	5,374555	5,435637	5,750132	5,617797	5,72339	5,4759963	5,697106333	0,22111	1,16563007	Il12a
17203783	9,288278	8,646461	9,450363	9,331711	9,505168	9,211614	9,1283673	9,349497667	0,22113033	1,165646498	---
17486044	3,228419	3,438075	3,414796	3,651848	3,561147	3,531891	3,36043	3,581628667	0,22119867	1,16570171	Vmn1r59
17400013	5,38396	4,925712	4,776963	4,999897	5,392902	5,357458	5,0288783	5,250085667	0,22120733	1,165708713	---
17477306	3,852491	4,158094	3,354147	4,140835	3,678004	4,209579	3,788244	4,009472667	0,22122867	1,165725951	Klk1b9
17494674	7,78574	8,763605	7,30695	8,410378	8,139027	7,970612	7,9520983	8,173339	0,22124067	1,165735647	Gm8995
17547873	4,5291	5,014705	4,701077	4,988175	4,829697	5,090825	4,748294	4,969565667	0,22127167	1,165760696	Gm19760
17367947	3,290985	3,683676	3,560661	3,784319	3,605832	3,80899	3,511774	3,733047	0,221273	1,165761773	---
17322543	4,896333	5,005886	5,047101	5,121733	5,26937	5,222095	4,9831067	5,204399333	0,22129267	1,165777665	Dnaja3
17457232	6,861117	7,029528	6,076989	6,657448	7,153351	6,820738	6,655878	6,877179	0,221301	1,165784399	3110062M04Rik // 3110062M04Rik
17444295	5,441967	5,861857	5,354857	5,872894	5,9749	5,474841	5,5528937	5,774211667	0,221318	1,165798136	Zfp12
17280606	7,275294	7,673923	7,032469	7,343076	7,535814	7,766809	7,3272287	7,548566333	0,22133767	1,165814028	5430401H09Rik
17406025	4,053629	3,659637	3,969567	4,253822	4,182572	3,910462	3,8942777	4,115618667	0,221341	1,165816722	---
17318100	9,774274	9,63735	9,270971	10,01545	9,75826	9,572977	9,560865	9,782229	0,221364	1,165835308	Ly6c2
17265306	10,21746	10,18233	10,14763	10,34736	10,40907	10,45518	10,182473	10,40387	0,22139667	1,165861706	Slc25a11
17523231	5,42358	5,145195	5,382112	5,45835	5,656965	5,499837	5,3169623	5,538384	0,22142167	1,165881909	Entpd3
17412033	3,870029	3,7593	3,796106	4,097878	3,966984	4,025127	3,8084783	4,029996333	0,221518	1,165959761	---
17233303	6,529325	6,369617	6,042496	6,622047	6,057198	6,926777	6,3138127	6,535340667	0,221528	1,165967843	Gm6996
17271891	5,008452	5,100194	5,214456	5,322747	5,493807	5,17122	5,1077007	5,329258	0,22155733	1,16599155	Atp5h
17299049	5,285176	5,060027	5,097324	5,384616	5,309279	5,413334	5,147509	5,369076333	0,22156733	1,165999632	---
17243392	8,794367	8,748009	8,624936	9,030019	8,816999	8,985014	8,7224373	8,944010667	0,22157333	1,166004481	Gna11
17478243	5,222518	5,339441	5,001981	5,454267	5,392249	5,382231	5,18798	5,409582333	0,22160233	1,16602792	Ldhc
17475851	5,251345	4,903911	5,309883	5,584062	5,197113	5,348915	5,1550463	5,376696667	0,22165033	1,166066715	Lrfn1
17207009	4,370508	4,471599	4,667129	4,697412	5,045963	4,430872	4,5030787	4,724749	0,22167033	1,166082881	---
17251222	6,0656	5,852822	5,993167	6,261564	6,095984	6,219279	5,9705297	6,192275667	0,221746	1,166144041	Gas7
17415897	5,788238	5,510023	5,66785	5,78277	5,946548	5,902119	5,6553703	5,877145667	0,22177533	1,166167752	Raver2
17393752	5,408538	4,973026	5,203714	5,319273	5,811079	5,120265	5,1950927	5,416872333	0,22177967	1,16617255	---
17340845	8,903515	8,758393	8,730262	9,07066	9,102641	8,88427	8,79739	9,019190333	0,22180033	1,16618796	Igf2r
17222193	6,260738	6,153378	6,11909	6,592102	6,35182	6,254701	6,1777353	6,399541	0,22180567	1,166192271	Ankrd23
17255987	6,194442	5,901092	6,067341	6,284677	6,385683	6,158028	6,0542917	6,276129333	0,22183767	1,166218138	Tcap
17449429	4,572696	4,387791	4,34514	4,919641	4,779266	4,27225	4,435209	4,657052333	0,22184333	1,166222719	Csn2
17459778	3,498329	3,209064	3,508507	3,72287	3,565427	3,593289	3,4053	3,627195333	0,22189533	1,166264755	---
17207909	3,890672	3,440627	3,010514	3,573819	3,731232	3,702455	3,447271	3,669168667	0,22189767	1,166266641	---
17242314	8,314009	8,132116	8,306451	8,581807	8,47457	8,361897	8,2508587	8,472758	0,22189933	1,166267988	Krtap10-4 // Krtap10-4
17202905	5,189132	4,592267	5,280941	5,21958	5,316701	5,191923	5,02078	5,242734667	0,22195467	1,166312721	---
17535353	6,843057	6,691422	6,770066	6,920302	7,080487	6,969684	6,7681817	6,990157667	0,221976	1,166329967	Gpr50
17243638	5,396845	5,540605	5,563117	5,7321	5,570416	5,864055	5,500189	5,722190333	0,22200133	1,166350448	Mterfd3
17286246	4,468146	4,717428	4,394476	4,643718	4,734248	4,868346	4,5266833	4,748770667	0,22208733	1,166419977	---
17262848	4,931474	4,58306	4,225339	4,953617	4,622573	4,830093	4,5799577	4,802094333	0,22213667	1,166459863	Lyrm7
17408270	5,454469	5,272525	5,335189	5,860245	5,512733	5,355752	5,354061	5,576243333	0,22218233	1,166496787	---
17486399	3,390441	3,204266	3,173317	3,666618	3,475266	3,293014	3,256008	3,478299333	0,22229133	1,166584923	Vmn2r49
17321194	3,72311	4,055243	3,838399	3,922625	4,351792	4,009249	3,8722507	4,094555333	0,22230467	1,166595704	Olfr286
17291990	3,892639	3,222206	3,372303	3,724117	3,679483	3,750532	3,495716	3,718044	0,222328	1,166614572	---
17205931	4,66899	4,202871	4,980703	4,713399	5,237958	4,568306	4,6175213	4,839887667	0,22236633	1,16664557	---
17389024	4,088408	4,19707	4,379272	4,410284	4,366109	4,555709	4,2215833	4,444034	0,22245067	1,166713769	AI314831
17300143	6,185519	6,530838	6,277365	6,673429	6,355505	6,632326	6,3312407	6,553753333	0,22251267	1,16676391	---
17258930	5,747984	5,918548	5,772465	5,869657	6,132199	6,105117	5,812999	6,035657667	0,22265867	1,166881992	---
17279149	7,211306	7,074799	6,867286	7,451655	7,279348	7,09041	7,0511303	7,273804333	0,222674	1,166894394	---
17340671	6,304204	6,036109	6,339198	6,412591	6,675759	6,259327	6,2265037	6,449225667	0,222722	1,166933218	---
17522812	3,324841	3,072001	3,375261	3,590252	3,330621	3,519447	3,2573677	3,480106667	0,222739	1,166946969	---
17200303	5,75582	5,543532	5,900789	6,062566	5,794951	6,010989	5,7333803	5,956168667	0,22278833	1,166986873	---

17344334	4,500341	4,506853	4,328417	4,466984	4,860548	4,676923	4,4452037	4,668151667	0,222948	1,167116034	---
17542070	3,417177	3,297384	3,617214	3,757462	3,827699	3,415522	3,443925	3,666894333	0,22296933	1,167133292	Mir883b
17417819	4,664776	4,322992	4,404905	4,74478	4,564099	4,75279	4,4642243	4,687223	0,22299867	1,167157023	Olfr1339
17454740	5,848997	5,743588	5,806233	5,978197	6,056391	6,033326	5,799606	6,022638	0,223032	1,167183991	Fbxl18
17382303	7,794936	7,700059	7,359061	7,878231	7,954628	7,690324	7,6180187	7,841061	0,22304233	1,167192351	Ehmt1
17357749	3,74874	3,863411	3,809956	4,350889	3,81925	3,921115	3,807369	4,030418	0,223049	1,167197744	Olfr1420
17209519	5,713508	6,160435	5,481549	5,765233	6,232359	6,027092	5,785164	6,008228	0,223064	1,16720988	---
17282858	5,279182	5,827336	5,642761	5,748878	5,96455	5,705184	5,583093	5,806204	0,223111	1,167247906	Ism2
17300024	3,740005	2,922077	3,673128	3,471303	3,95197	3,581355	3,44507	3,668209333	0,22313933	1,16727083	---
17304153	6,150321	5,779131	5,961752	6,385169	6,037641	6,137896	5,9637347	6,186902	0,22316733	1,167293484	---
17485589	6,768582	6,989506	6,831429	7,091252	7,040805	7,127225	6,8631723	7,086427333	0,223255	1,167364418	Lilrb3
17332337	8,289909	8,571661	8,663587	8,497602	8,783474	8,913953	8,5083857	8,731676333	0,22329067	1,167393278	---
17202315	7,589682	7,185988	7,298324	7,752436	7,283641	7,707899	7,357998	7,581325333	0,22332733	1,167422949	---
17357509	7,449537	7,394762	7,472975	7,808954	7,37511	7,803337	7,4390913	7,662467	0,22337567	1,16746206	---
17359636	10,46751	10,40157	10,32334	10,66351	10,68857	10,51062	10,397473	10,6209	0,22342667	1,167503331	Abcc2
17484894	5,097212	4,977233	5,27271	5,501025	5,207348	5,309108	5,1157183	5,339160333	0,223442	1,16751574	Cend1 // Cend1
17227534	4,863381	5,074394	5,186772	5,279026	5,493528	5,022432	5,0415157	5,264995333	0,22347967	1,167546223	---
17358459	4,693291	4,27738	4,276451	4,442556	4,761886	4,713203	4,4157073	4,639215	0,22350767	1,167568883	D930032P07Rik
17230301	5,08497	5,014683	5,150304	5,489135	5,239615	5,191824	5,083319	5,306858	0,223539	1,167594241	---
17206967	6,876844	6,826299	6,865216	6,941913	7,476899	6,820409	6,8561197	7,079740333	0,22362067	1,167660337	---
17202697	3,782998	3,674295	3,446679	4,368664	3,441019	3,765183	3,6346573	3,858288667	0,22363133	1,16766897	---
17288358	4,839366	4,422089	4,29871	4,657113	4,57373	5,000528	4,520055	4,743790333	0,22373533	1,167753147	---
17209965	5,554853	5,572989	5,696404	5,448918	5,977265	6,069295	5,608082	5,831826	0,223744	1,167760162	---
17303147	5,997465	6,221267	5,924392	6,371668	6,122187	6,320511	6,047708	6,271455333	0,22374733	1,16776286	Gm3591
17468086	5,936851	5,527808	6,077861	5,89525	6,152774	6,165817	5,8475067	6,071280333	0,22377367	1,167784176	Tlx2
17202249	6,518941	6,576528	6,913512	7,305952	6,576341	6,79804	6,6696603	6,893444333	0,223784	1,16779254	---
17346694	4,898269	4,652884	5,247857	5,211292	5,111916	5,147262	4,9330033	5,156823333	0,22382	1,167821681	AU016765
17309009	4,884724	4,93593	5,1359	5,272465	5,204546	5,151032	4,985518	5,209347667	0,22382967	1,167829505	---
17210575	4,588773	4,326916	4,278814	4,960191	4,492662	4,41327	4,3981677	4,622041	0,22387333	1,167864853	---
17495318	6,157164	5,764857	6,069677	6,561634	6,107634	5,994361	5,9972327	6,221209667	0,2239977	1,167948775	---
17486145	4,561406	4,432332	4,260406	4,573994	4,591084	4,76101	4,418048	4,642029333	0,22398133	1,167952283	Zfp773
17238154	5,416169	5,207741	5,353968	5,589075	5,585676	5,475082	5,3259593	5,549944333	0,2239985	1,167955251	Rdh1 // Rdh1
17467513	4,310526	3,881056	3,970784	4,302806	4,047621	4,483967	4,054122	4,278131333	0,22400933	1,16797491	---
17200189	6,188582	5,817059	6,392951	6,829757	6,02121	6,219852	6,132864	6,356939667	0,22407567	1,168028654	---
17336407	5,876294	6,148119	5,967074	6,371272	6,096914	6,195671	5,9971623	6,221285667	0,22412333	1,168067246	H2-DMa
17202973	7,77822	7,914017	7,325109	8,419835	7,631942	7,63799	7,6724487	7,896589	0,22414033	1,16808101	---
17204157	2,807433	2,903982	3,140493	2,626664	3,728155	3,169553	2,950636	3,174790667	0,22415467	1,168092615	---
17537801	4,515715	4,086263	4,31199	4,621778	4,515919	4,448801	4,304656	4,528832667	0,22417667	1,168110428	AV320801
17274188	3,222035	3,62827	3,94397	3,600584	3,848696	4,017709	3,5980917	3,822329667	0,224238	1,168160089	---
17207677	5,777883	5,842948	5,974419	6,210735	6,101923	5,955427	5,8650833	6,089361667	0,22427833	1,168192748	---
17447081	8,530251	8,242023	8,311628	8,086463	8,772463	8,897812	8,3613007	8,585579333	0,22427867	1,168193017	Spon2
17262026	5,430629	5,604365	5,756317	5,943901	5,790557	5,730156	5,5971037	5,821538	0,22443433	1,168319072	Lsm11
17454326	6,414623	6,037924	6,659405	6,716859	6,653995	6,414468	6,3706507	6,595107333	0,22445667	1,168337158	1700123K08Rik
17260460	4,565426	4,310775	4,441517	4,714946	4,5995	4,676864	4,4392393	4,66377	0,22453067	1,168397087	Gm11981
17208211	5,208652	5,435161	5,062781	5,922401	5,456662	5,001179	5,2355313	5,460080667	0,22454933	1,168412205	---
17210029	3,502273	3,436043	3,552854	3,509322	3,793008	3,862889	3,4970567	3,721739667	0,224683	1,168520464	---
17422904	6,693884	7,00261	6,564125	6,990987	7,142421	6,801291	6,7535397	6,978233	0,22469333	1,168528834	AW011738
17378035	4,415206	4,776467	4,561452	4,837385	4,743913	4,846101	4,584375	4,809133	0,224758	1,168581212	Bpifb6
17287077	5,840264	5,53312	5,645215	5,816673	5,952479	5,923794	5,6728663	5,897648667	0,22478233	1,168600923	G630093K05Rik
17202411	8,794309	8,209163	8,615817	9,024964	8,781955	8,486898	8,539763	8,764605667	0,22484267	1,168649794	---
17329056	4,503558	4,375617	4,286786	4,622707	4,702314	4,515471	4,3886537	4,613497333	0,22484367	1,168650604	A930003A15Rik
17386135	6,867156	6,527807	6,183326	6,566445	6,802344	6,884078	6,5260963	6,750955667	0,22485933	1,168663295	Stk39
17217350	8,46931	8,235482	8,09376	8,213599	8,666154	8,593475	8,266184	8,491076	0,224892	1,168689757	Etnk2
17255828	6,881895	6,597517	6,814437	7,051132	6,991918	6,925668	6,7646163	6,989572667	0,22495633	1,168741873	Mllt6
17363054	6,043695	5,84849	5,92311	6,140178	6,02697	6,323154	5,9384317	6,163434	0,22500233	1,168779139	---
17203403	6,368535	6,150284	5,271679	6,357873	6,000434	6,107695	5,930166	6,155334	0,225168	1,168913359	---
17284020	4,210279	4,080423	4,534457	4,56624	4,521815	4,412711	4,275053	4,500255333	0,22520233	1,168941177	Stk30
17406662	10,33701	10,50157	10,48795	10,77776	10,68859	10,53582	10,442177	10,66739	0,22521333	1,16895009	---
17205131	5,233377	5,002985	5,409887	5,28535	5,464919	5,571796	5,2154163	5,440688333	0,225272	1,168997626	---
17209321	5,233377	5,002985	5,409887	5,28535	5,464919	5,571796	5,2154163	5,440688333	0,225272	1,168997626	---
17203725	4,822822	5,169881	5,82578	5,790865	5,158254	5,545218	5,2728277	5,498112333	0,22528467	1,16900789	---
17203563	4,557907	4,085568	4,550553	4,35581	4,614635	4,89956	4,3980093	4,623335	0,22532567	1,169041112	---
17517903	4,089027	4,463762	4,257139	4,372801	4,403762	4,709346	4,269976	4,495303	0,225327	1,169042193	4930461G14Rik
17535342	7,243642	6,551295	7,395755	7,830621	7,043496	6,992701	7,063564	7,288939333	0,22537533	1,169081359	---
17205811	6,967742	6,471905	6,327853	6,351307	7,019005	7,073471	6,5891667	6,814594333	0,22542767	1,169123768	---
17207457	4,911782	4,053008	4,491816	4,66477	4,524048	4,944102	4,4855353	4,710973333	0,225438	1,169132141	---
17379169	6,98726	6,186394	6,828868	6,677745	7,176437	6,824718	6,6675073	6,892966667	0,22545933	1,16914943	Sgk2
17400994	6,201941	6,730372	6,329277	6,590466	6,826987	6,520559	6,42053	6,646004	0,225474	1,169161315	Gm12474
17540804	6,706003	5,821789	5,398977	6,703517	5,565269	6,334551	5,9755897	6,201112333	0,22552267	1,169200756	Gm2012 // Gm2012
17540875	6,706003	5,821789	5,398977	6,703517	5,565269	6,334551	5,9755897	6,201112333	0,22552267	1,169200756	Gm4836
17420486	11,67073	11,47548	11,48973	11,59624	11,93201	11,78445	11,545313	11,7709	0,22558667	1,169252624	Ddost
17477475	8,07023	8,098149	8,144407	8,470948	8,218541	8,30025	8,104262	8,329913	0,225651	1,169304765	Aspdh
17459338	4,590288	4,647085	4,700126	5,146329	4,503679	4,964563	4,645833	4,871523667	0,22569067	1,169336916	---
17447558	6,567826	6,493494	6,10534	6,735964	6,602185	6,505589	6,3888867	6,614579333	0,22569267	1,169338537	---
17432736	4,657854	4,077587	3,574709	4,277352	4,156446	4,553528	4,1033833	4,329108667	0,22572533	1,169365014	C230088H06Rik
17206841	3,545285	3,266368	3,89735	3,557662	3,840801	3,987792	3,5696677	3,795418333	0,22575067	1,169385548	---
17502951	5,493636	5,381843	5,781485	5,543756	5,789814	6,000832	5,5523213	5,778134	0,22581267	1,169435803	D830024N08Rik
17313075	7,27548	7,573215	7,528956	7,625138	7,794441	7,635727	7,459217	7,685102	0,225885	1,169494438	Tab1
17278561	5,960732	6,022058	6,106162	6,224022	6,34691	6,195714	6,0296507	6,255548667	0,225898	1,169504976	Eml1
17390217	7,706031	7,011942	7,282968	7,454155	7,826155	7,398397	7,333647	7,559569	0,225922	1,169524431	---
17210111	3,40079	3,158992	2,975955	3,431292	3,321608	3,460625	3,178579	3,404508333	0,22592933	1,169530376	---
17505645	5,65474	5,879889	5,820123	5,876292	6,145296	6,010994	5,7849173	6,010860667	0,22594333	1,169541725	---
17491315	4,39017	4,192749	3,639941	4,530554	4,416892	3,953299	4,0742867	4,300248333	0,22596167	1,169556588	Mrgpra9
17462318	8,148703	8,300437	8,178042	8,568034	8,41896	8,318118	8,2090607	8,435037333	0,22597667	1,169568748	Kdm5a
17344750	4,014777	3,835796	4,04103	4,071112	4,239553	4,259148	3,9638677	4,189937667	0,22607	1,169644414	H2-M9
17541723	5,635635	5,786469	5,603618	5,874091	6,073483	5,756597	5,6752407	5,901390333	0,22614967	1,169709005	C430049B03Rik
17208857	3,212826	3,302955	3,404341	3,535671	3,434484	3,628431	3,3067073	3,532862	0,22615467	1,169713058	---
17488850	4,105797	4,561422	4,403356	4,503464	4,658265	4,587324	4,3568583	4,583017667	0,22615933	1,169716842	Catsperg2
17326502	6,499084	6,138534	6,42369	6,911939	6,274048	6,553843	6,3537693	6,579943333	0,226174	1,169728734	---
17341175	4,44728	4,319695	4,426783	4,696836	4,761684	4,413799	4,3979193	4,624106333	0,226187	1,169739274	Gm10510
17494662	6,544217	7,421252	6,071726	7,046437	7,058834	6,610806	6,679065	6,905359	0,226294	1,169826033	Gm17757 // Gm17757 // Gm17757 // Gı
17430216	4,073318	4,10492	4,216603	4,303379	4,510029	4,260365	4,1316137	4,357924333	0,22631067	1,169839548	Gjb3
17202835	6,866832	7,499274	7,349064	7,223058	7,61063	7,560438	7,23839	7,464708667	0,22631867	1,169846035	---
17318249	5,367425	5,450969	5,378599	5,368651	5,879213	5,628287	5,3989977	5,625383667	0,226386	1,169900635	Fam83h
17202277	6,92215	6,499178	6,687021	7,137594	6,839501	6,810486	6,702783	6,929193667	0,22641067	1,169920637	---
17255095	3,906325	3,319624	3,911731	4,445826	3,679536	3,691654	3,71256	3,939005333	0,22644533	1,16994875	---
17421074	5,72174	5,36541	5,503294	5,458798	6,070348	5,740872	5,530148	5,756672667	0,22652467	1,170013087	Hspb7
17300027	5,375852	5,580269	5,328618	5,647292	5,99825	5,318813	5,4282463	5,654785	0,22653867	1,170024441	---
17308956	4,399687	4,42881	4,431548	4,795992	4,573208	4,57047	4,420015	4,646556667	0,22654167	1,170026874	9630013A20Rik
17294062	5,826191	5,82323	5,834237	5,695325	6,196766	6,271263	5,827886	6,054451333	0,22656533	1,170046068	---
17320073	6,780984	6,324823	6,661223	6,951893	6,938228	6,55663	6,58901	6,815583667	0,22657367	1,170052826	7530416G11Rik // 7530416G11Rik
17548869	6,167011	5,843952	5,356724	5,995582	5,58626	6,465705	5,789229	6,015849	0,22662	1,170090404	---
17437353	4,394072	4,538426	4,547423	4,766604	4,724884	4,668303	4,493307	4,719930333	0,22662333	1,170093107	Mir218-1
17205307	4,419261	5,122618	5,021132	5,655721	5,225538	4,361666	4,854337	5,080975	0,226638	1,170105003	---
17201489	7,462241	7,180773	7,520669	7,572545	7,885958	7,385279	7,3878943	7,614594	0,22669967	1,170155019	---
17345475	5,795096	5,987269	6,157181	6,34166	6,215624	6,062469	5,9798487	6,206584333	0,22673567	1,170184218	Ptk7
17284533	4,103472	4,592335	4,257655	4,500137	4,602234	4,531326	4,3178207	4,544565667	0,226745	1,170191789	---
17210013	8,809035	8,42067	8,326632	8,95697	8,35425	8,925375	8,518779	8,745531667	0,22675267	1,170198007	---
17412730	10,17789	10,10044	9,994379	10,38765	10,24114	10,32433	10,090903	10,31727667	0,22680367	1,170239375	Aco1
17204033	4,575251	5,114368	4,086504	4,626237	5,54907	4,281637	4,592041	4,818981333	0,22694033	1,17035027	---
17507605	7,275345	7,449413	7,384649	7,511634	7,743974	7,534636	7,3698023	7,596748	0,22694567	1,170354564	Gas6
17294694	6,446722	6,798151	6,150321	6,449256	6,696112	6,930685	6,4650647	6,692017667	0,226953	1,170360513	---
17350691	6,882583	6,701398	7,274488	7,388997	6,954544	7,195858	6,952823	7,179799667	0,22697667	1,170379712	---
17486505	6,131507	5,778821	5,862295	6,111831	6,284203	6,05758	5,9242077	6,151204667	0,226997	1,170396208	Gm9653
17305939	4,151244	3,810766	3,737965	4,211319	4,136321	4,033401	3,8999917	4,127013667	0,227022	1,170416489	Olfr728
17204505	2,978475	2,854953	3,150144	3,457017	3,309418	2,898217	2,994524	3,221550667	0,22702667	1,170420275	---
17305738	5,515978	5,550227	5,553194	5,818033	5,584347	5,898297	5,5397997	5,766892333	0,22709267	1,170473821	---
17550757	4,115763	4,065403	4,14266	4,510598	4,406486	4,088131	4,107942	4,335071667	0,22712967	1,170503839	---
17447514	8,562418	8,592257	8,463116	8,784443	8,755049	8,759859	8,5392637	8,766450333	0,22718667	1,170550086	Man2b2
17460826	8,497971	8,341934	8,385647	8,637483	8,819832	8,449959	8,4085173	8,635758	0,22724067	1,170593901	Klf15
17203599	4,616867	4,225333	4,234289	4,657204	4,745162	4,35585	4,3588297	4,586072	0,22724233	1,170595253	---
17229113	6,616634	6,720637	6,062263	6,591633	6,657688	6,832224	6,4665113	6,693848333	0,227337	1,170672068	Gorab
17372904	3,66306	3,854923	3,820004	3,684222	4,271338	4,064641	3,779329	4,006733667	0,22740467	1,170726977	Olfr1183
17491318	6,45555	6,707301	7,247127	7,140378	6,83957	7,112244	6,803326	7,030730667	0,22740467	1,170726977	Mrgpra1
17204275	5,284802	5,434328	5,514855	5,444542	6,125545	5,346197	5,4113283	5,638761333	0,227433	1,170749969	---
17234339	6,285648	6,181522	6,035503	6,250553	6,594005	6,340429	6,1675577	6,394995667	0,227438	1,170754027	Adora2a
17223997	2,887196	2,976784	3,085019	3,020314	3,499912	3,111098	2,9829997	3,210441333	0,22744167	1,170757002	---
17345406	5,872926	5,797703	6,326911	6,05731	6,354161	6,268507	5,99918	6,226659333	0,22747933	1,170787569	Ttbk1
17207319	6,704171	6,487689	6,68131	7,001636	6,756476	6,79753	6,62439	6,851880667	0,22749067	1,170796767	---
17201519	5,131049	4,308802	4,192336	4,876787	4,873966	4,563915	4,5440623	4,771556	0,22749367	1,170799201	---
17471608	3,392086	3,503707	4,154951	4,02716	3,955553	3,750613	3,6835813	3,911108667	0,22752733	1,170826523	Klri1
17491851	3,546693	3,302782	3,143822	3,870558	3,464125	3,341223	3,331099	3,558635333	0,22753633	1,170833827	---
17550278	3,546693	3,302782	3,143822	3,870558	3,464125	3,341223	3,331099	3,558635333	0,22753633	1,170833827	---
17300251	9,476202	9,485065	9,242206	9,519808	9,589886	9,776414	9,4011577	9,628702667	0,227545	1,170840861	Abhd4

17208683	5,352685	6,946667	6,530772	6,691444	6,230548	6,590787	6,276708	6,504259667	0,22755167	1,170846271	---
17402470	5,067091	5,106493	5,351848	5,359552	5,336814	5,511898	5,175144	5,402754667	0,22761067	1,170894155	LOC100862268
17236249	5,72298	5,749726	6,282631	6,022668	6,332108	6,083421	5,9184457	6,146065667	0,22762	1,17090173	---
17289813	4,162144	4,713176	4,749731	4,90765	4,937816	4,462517	4,5416837	4,769327667	0,227644	1,170921209	Actbl2
17338617	7,837239	7,767126	7,566919	7,791836	7,880736	8,181796	7,7237613	7,951456	0,22769467	1,170962331	Emr4
17200575	6,109237	5,654687	5,600992	6,269196	5,865635	5,913347	5,7883053	6,016059333	0,227754	1,17101049	---
17207627	7,196687	7,009562	7,43603	7,580579	7,517762	7,227264	7,214093	7,441868333	0,22777533	1,171027806	---
17275060	12,18692	12,39074	12,6549	12,66565	12,4555	12,79478	12,410853	12,63864333	0,22779	1,171039711	Mir5099 // Mir5099
17450989	9,501074	9,224264	9,21029	9,527245	9,52476	9,567136	9,311876	9,539713667	0,22783767	1,171078403	Pxmp2
17202787	6,811532	6,492593	6,511839	6,706223	7,107546	6,686026	6,6053213	6,833265	0,22794367	1,17116445	---
17252719	3,331365	3,007977	3,21908	3,350623	3,662834	3,228859	3,1861407	3,414105333	0,22796467	1,171181497	---
17227589	4,495959	4,775033	4,626266	4,763571	4,904473	4,913263	4,6324193	4,860435667	0,22801633	1,171223441	Lhx9
17549366	8,378036	8,282656	8,337567	8,472463	8,734519	8,47537	8,332753	8,560784	0,228031	1,171235348	---
17549760	8,378036	8,282656	8,337567	8,472463	8,734519	8,47537	8,332753	8,560784	0,228031	1,171235348	---
17379889	7,826566	7,938934	7,755074	8,003071	8,11362	8,088045	7,8401913	8,068245333	0,228054	1,17125402	Slc9a8
17485443	5,123724	5,120588	5,305692	5,304915	5,525963	5,403309	5,1833347	5,411395667	0,228061	1,171259703	Fgf15
17218149	10,66137	10,51836	10,66446	10,79482	10,91269	10,82097	10,61473	10,84282667	0,22809667	1,17128866	Ivns1abp
17484852	8,237864	8,094543	8,084908	8,28716	8,357659	8,457112	8,139105	8,367310333	0,22820533	1,171376887	Eps8l2
17284607	6,775836	6,646479	6,456732	6,939913	6,774148	6,849647	6,626349	6,854569333	0,22822033	1,171389066	Igh-VJ558 // Igh-VJ558
17284631	6,775836	6,646479	6,456732	6,939913	6,774148	6,849647	6,626349	6,854569333	0,22822033	1,171389066	Igh-VJ558 // Igh-VJ558
17465726	2,912072	2,840235	3,234851	3,461265	3,148782	3,061812	2,9957193	3,223953	0,22823367	1,171399892	---
17254023	3,796518	3,857933	3,798491	3,952611	4,106538	4,078982	3,8176473	4,046043667	0,22839633	1,171531977	---
17203363	4,482421	4,770995	5,53535	5,550092	4,888577	5,035306	4,9295887	5,157991667	0,228403	1,171537391	---
17239074	5,621062	5,470299	5,786945	6,023603	5,880751	5,659184	5,626102	5,854512667	0,22841067	1,171543617	Katna1 // Katna1
17481556	7,688356	7,628301	7,437894	7,773899	7,934093	7,731862	7,5848503	7,813284667	0,22843433	1,171562835	Ppfibp2
17448761	9,427708	9,673053	9,451257	9,671874	9,57211	9,993442	9,5173393	9,745808667	0,22846933	1,171591258	---
17392985	4,986643	4,987613	4,974656	5,263482	5,265516	5,104466	4,9829707	5,211488	0,22851733	1,171630239	---
17204203	2,990786	4,091177	3,52509	3,634352	3,605161	4,053261	3,5356843	3,764258	0,22857367	1,171675988	---
17234738	3,88942	4,048509	3,66199	4,110706	4,075002	4,099952	3,8666397	4,09522	0,22858033	1,171681403	Gm10318
17377448	6,030605	6,713983	6,109175	6,481481	6,757713	6,300499	6,2845877	6,513231	0,22864333	1,171732569	Zfp937
17209759	5,832344	4,950579	4,642406	5,806985	5,280624	5,023744	5,1417763	5,370451	0,22867467	1,171758018	---
17361352	9,421981	9,390326	9,429092	9,705563	9,613647	9,608253	9,4137997	9,642487667	0,228688	1,171768847	Ccs
17201527	7,745342	7,433051	7,438304	8,138112	7,654666	7,510077	7,538899	7,767618333	0,22871933	1,171794297	---
17487422	7,150986	6,836299	7,083628	7,423182	7,200986	7,133329	7,0236377	7,252499	0,22886133	1,171909639	Bcam
17268031	5,728499	5,570867	5,706406	5,790524	6,178281	5,723691	5,6685907	5,897498667	0,228908	1,171947547	Eme1
17219789	8,990143	8,844687	8,601577	8,760118	9,098233	9,264941	8,8121357	9,041097333	0,22896167	1,171991143	Kmo
17399583	5,451283	5,418387	5,698412	5,483816	6,122596	5,648595	5,522694	5,751669	0,228975	1,172001974	Tpm3
17460574	8,16564	8,715119	8,423213	8,773347	8,676524	8,541158	8,4346573	8,663676333	0,229019	1,172037719	---
17367203	3,810149	3,877436	3,877341	4,519419	3,922537	3,8101	3,8549753	4,084018667	0,22904333	1,172057488	---
17203331	5,719726	5,227918	5,476638	6,156076	5,915568	5,040071	5,4747607	5,703905	0,22914433	1,172139544	---
17407340	7,889236	7,24905	7,876327	8,14848	7,857481	7,696085	7,6715377	7,900682	0,22914433	1,172139544	---
17200617	5,72313	5,586655	5,906788	5,878776	6,291492	5,733804	5,7388577	5,968024	0,22916633	1,172157418	---
17283538	8,595028	8,826533	8,668962	9,109017	8,898281	8,770843	8,696841	8,926047	0,229206	1,172189647	---
17241731	8,232841	8,090244	7,807545	8,273599	8,280906	8,263763	8,0435433	8,272756	0,22921267	1,172195063	Bicc1
17397475	7,543706	7,226533	7,189532	7,506673	7,484316	7,656612	7,3199237	7,549200333	0,22927667	1,172247065	Mgst2
17342483	7,394935	7,801289	7,68553	7,721955	8,02874	7,818969	7,6272513	7,856554667	0,22930333	1,172268733	Fam195a
17202033	3,164713	3,27987	3,231254	3,236986	3,418749	3,708114	3,225279	3,454616333	0,22933733	1,17229636	---
17225413	6,836254	7,307509	7,264149	7,288362	7,525862	7,28174	7,1359707	7,365321333	0,22935067	1,172307194	Col6a3
17204577	6,73592	7,432341	6,968116	7,636424	6,799574	7,388564	7,045459	7,274854	0,229395	1,172343219	---
17241946	4,806996	4,791276	5,033319	5,033319	5,18023	5,106595	4,877197	5,106714667	0,22951767	1,172442903	Gstt4
17206663	3,557639	4,06929	3,998695	3,898697	4,25516	4,160493	3,875208	4,104783333	0,22957533	1,172489768	---
17483471	9,996356	9,815734	9,940204	10,19975	10,2015	10,03989	9,9174313	10,14704667	0,22961533	1,172522277	Hsd3b7
17413852	4,506084	3,972093	4,347325	4,672552	4,485653	4,356561	4,2751673	4,504922	0,22975467	1,172635523	Galnt12
17203153	5,755808	5,624441	5,150367	5,507993	6,30522	5,406928	5,5102053	5,740047	0,22984167	1,17270624	---
17201081	10,00956	10,00878	10,0777	10,16624	10,46235	10,15711	10,032013	10,2619	0,22988667	1,172742819	---
17201015	4,827839	5,443143	4,690807	4,687177	5,076931	5,887372	4,987263	5,21716	0,229897	1,172751219	---
17201409	6,675588	5,698608	5,180791	6,250287	5,569547	6,424851	5,8516623	6,081561667	0,22989933	1,172753115	---
17414756	4,008944	3,864934	4,038983	4,005016	4,508998	4,088903	3,9709537	4,200972333	0,23001867	1,172850124	---
17269204	6,78322	6,502803	6,854625	6,874892	7,094454	6,861506	6,7135493	6,943617333	0,230068	1,172890231	---
17205151	3,929595	3,968779	3,729882	4,14369	4,039943	4,135242	3,8760853	4,106291667	0,23020633	1,173002699	---
17209341	3,929595	3,968779	3,729882	4,14369	4,039943	4,135242	3,8760853	4,106291667	0,23020633	1,173002699	---
17464534	6,801847	7,079203	6,513856	7,002654	7,082106	7,001067	6,798302	7,028609	0,230307	1,173084551	Samd9l
17205107	3,82837	3,8298	4,073548	4,00298	4,447649	3,972056	3,9105727	4,140895	0,23032233	1,173097019	---
17209297	3,82837	3,8298	4,073548	4,00298	4,447649	3,972056	3,9105727	4,140895	0,23032233	1,173097019	---
17210469	4,524508	4,827559	4,525285	4,803958	5,063547	4,701005	4,625784	4,85617	0,230386	1,173148789	---
17460548	4,809101	5,260251	5,08685	5,139723	5,297204	5,410545	5,0520673	5,282490667	0,23042333	1,173179147	E230015B07Rik
17208003	4,59572	3,60027	4,165556	4,443655	4,130368	4,478843	4,1205153	4,350955333	0,23044	1,173192701	---
17300931	5,583906	5,895238	5,573182	5,938842	5,829867	5,974953	5,6841087	5,914554	0,23044533	1,173197038	Sap18
17450863	3,07692	3,05988	3,111367	3,196353	3,295432	3,447917	3,0827223	3,313234	0,23051167	1,173250981	Vmn2r9
17372351	4,757006	4,429747	4,715057	4,695847	5,090024	4,807618	4,6339367	4,864496333	0,23055967	1,173290017	Neurod1 // Neurod1
17394723	7,932741	8,022827	7,641778	7,987545	8,203295	8,098299	7,865782	8,096379667	0,23059767	1,173320921	---
17362521	7,660243	7,93802	7,661065	7,791421	8,163589	7,9962	7,7531093	7,983736667	0,23062733	1,173345049	5730408K05Rik
17475311	6,684555	6,688269	6,526814	6,779893	6,863797	6,94802	6,6332127	6,863903333	0,23069067	1,173396559	Atp5sl
17264335	5,665481	5,651483	5,953718	6,10616	6,045116	5,811532	5,756894	5,987602667	0,23070867	1,173411199	---
17234850	6,066351	5,692752	5,917297	6,13897	6,515746	5,713886	5,8921333	6,122867333	0,230734	1,173431804	Olfr8
17221916	3,683841	3,798778	3,550938	3,79368	4,33918	3,593017	3,6778523	3,908625667	0,23077333	1,173463797	---
17202539	7,430354	7,049622	6,630844	7,320644	7,083312	7,399221	7,03694	7,267725667	0,23078567	1,173473829	---
17478044	5,748066	5,54087	5,209276	5,616543	5,802862	5,771271	5,499404	5,730225333	0,23082133	1,17350284	Tmem143
17540465	5,840765	5,892059	6,148992	6,25956	6,178638	6,136152	5,9606053	6,19145	0,23084467	1,17352182	Slc9a7
17201231	4,993798	5,424269	5,09796	5,515869	5,442358	5,250477	5,172009	5,402901333	0,23089233	1,173560594	---
17459780	3,536223	3,628858	3,152545	3,717897	3,429711	3,862701	3,4392087	3,670103	0,23089433	1,17356222	Gm20362
17370024	7,24025	7,366839	7,210377	7,566057	7,523764	7,420383	7,2724887	7,503401333	0,23091267	1,173577134	Rpl12
17344765	3,825662	3,887671	3,801858	3,882756	4,301078	4,024123	3,838397	4,069319	0,230922	1,173584726	Trim15
17339987	6,409448	5,98934	6,246135	6,42315	6,359266	6,555307	6,2149743	6,445907667	0,23093333	1,173593945	---
17201647	4,617939	4,597062	5,142138	5,143961	5,01053	4,895587	4,785713	5,016692667	0,23097967	1,173631637	---
17356741	4,197301	4,005685	4,095863	4,123282	4,387327	4,481195	4,0996163	4,330601333	0,230985	1,173635976	Mir192
17244661	7,280719	7,265609	6,996916	7,464166	7,398755	7,373323	7,1810813	7,412081333	0,231	1,173648178	Tmtc2
17407998	5,525603	5,820205	5,579574	5,806562	5,845952	5,965981	5,641794	5,872831667	0,23103767	1,173678821	---
17223332	6,433074	5,902318	6,17392	6,480804	6,4527	6,269056	6,1697707	6,400853333	0,23108267	1,17371543	Kctd18
17466641	9,838298	9,58164	9,434505	9,78184	9,993813	9,772185	9,6181477	9,849279333	0,23113167	1,173755295	Igf2bp3
17208411	6,733447	6,753612	6,698965	6,941026	6,655583	7,282811	6,7286747	6,959806667	0,231132	1,173755567	---
17441490	8,272647	7,849442	8,193432	8,326946	8,492568	8,18944	8,1051737	8,336318	0,23114433	1,173765601	Fbxo21
17524426	5,882829	5,717649	5,992641	6,18268	6,100734	6,003176	5,864373	6,09553	0,231157	1,173775906	Fbxl12
17437686	8,705223	8,74723	8,643746	8,875401	9,114105	8,800193	8,698733	8,929899667	0,23116667	1,173783771	Fam114a1
17205403	6,563671	6,543726	6,709823	6,548277	7,111894	6,850669	6,60574	6,836946667	0,23120667	1,173816316	---
17494267	4,02719	3,989246	3,763427	4,3218	4,126475	4,025311	3,926621	4,157862	0,231241	1,173844251	Olfr640
17530422	2,671281	2,99968	2,787554	2,971667	3,013788	3,16679	2,819505	3,050748333	0,23124333	1,173846149	---
17399808	3,629055	3,74755	3,69419	3,596501	4,248264	3,919827	3,690265	3,921530667	0,23126567	1,173864321	S100a5
17202065	3,936449	3,768744	4,426249	4,737038	4,224236	3,864054	4,043814	4,275109333	0,23129533	1,17388846	---
17290359	6,178248	6,049843	6,340158	6,762853	6,215134	6,284247	6,1894163	6,420744667	0,23132833	1,173915311	---
17312330	6,894351	7,101242	7,216828	7,191003	7,330862	7,384585	7,070807	7,30215	0,231343	1,173927246	K230010J24Rik
17254202	5,468835	5,497646	5,381091	5,926991	5,480453	5,634241	5,4491907	5,680561667	0,231371	1,17395003	Snord7
17204435	4,422088	4,34056	4,027663	4,878741	4,446776	4,159162	4,263437	4,494893	0,231456	1,174019198	---
17441394	5,480558	4,819949	5,522049	5,610559	5,620679	5,285995	5,2741853	5,505744333	0,231559	1,174103019	---
17512299	4,877687	4,973711	4,984565	5,201327	5,212306	5,117169	4,945321	5,176934	0,231613	1,174146966	Cdh16
17208645	6,686963	6,316618	6,519697	6,738276	6,794605	6,685263	6,5077593	6,739381333	0,231622	1,174154291	---
17492930	4,625761	4,376435	4,553863	4,680828	4,893344	4,677012	4,5186863	4,750394667	0,23170833	1,174224557	1700026D08Rik
17325261	7,400057	7,588384	7,35386	7,651618	7,655776	7,730135	7,4474337	7,679176333	0,23174267	1,174252501	Hspbap1
17359834	8,981608	9,044535	9,025775	9,270143	9,237851	9,239544	9,017306	9,249179333	0,23187333	1,17435886	Btrc
17387928	4,261463	4,105564	3,705975	4,164672	4,511132	4,092923	4,024334	4,256242333	0,23190833	1,17438735	Olfr1231
17240250	5,031206	5,235984	5,068336	5,399732	5,31886	5,312659	5,111842	5,343750333	0,23190833	1,17438735	Wisp3
17244217	4,869588	4,990102	5,318059	5,361741	5,169294	5,342669	5,0592497	5,291234667	0,231985	1,17444976	Rmst
17424822	8,613459	8,559131	8,490945	8,690075	9,044381	8,625147	8,5545117	8,786534333	0,23202267	1,174480424	Gne
17244447	5,962769	5,630259	5,418882	5,902955	6,116515	5,688764	5,6706367	5,902744667	0,232108	1,174549895	Slc23a3
17307815	3,987382	4,115109	3,923283	4,252985	4,392146	4,076976	4,0085913	4,240702333	0,232111	1,174552337	Adam2
17204459	5,006366	5,31301	4,875723	4,921896	5,358746	5,610919	5,065033	5,297187	0,232154	1,174587345	---
17208269	4,533993	4,951214	5,07929	5,177867	5,40202	4,681093	4,8548323	5,086993333	0,232161	1,174593045	---
17208653	8,016931	8,103865	7,709809	8,025145	8,284733	8,217289	7,943535	8,175722333	0,23218733	1,174614484	---
17204193	4,630805	4,369273	4,21413	5,179283	4,683997	4,047635	4,404736	4,636971667	0,23223567	1,174653837	---
17207059	8,079226	7,971297	8,296934	8,37916	8,456388	8,208879	8,115819	8,348142333	0,23232333	1,174725218	---
17489824	8,014375	7,882757	7,942081	8,312192	8,137482	8,086597	7,9464043	8,178757	0,23235267	1,174749103	Dpy19l3
17441893	5,107122	5,299303	6,003868	6,009618	5,408671	5,689188	5,4700977	5,702492333	0,23239467	1,174783303	---
17461205	3,837706	3,960408	4,193985	4,259434	4,3663	4,063688	3,9973663	4,229807333	0,232441	1,174821033	Chl1
17368515	4,716053	4,785667	4,561075	4,899913	4,958337	4,901893	4,6875983	4,920047667	0,23244933	1,174827819	Sardh // Sardh
17232235	6,52946	6,84546	6,737237	7,030644	6,976927	6,802014	6,7040523	6,936528333	0,232476	1,174849535	Ctgf
17438062	10,63174	10,15182	10,05205	10,46046	10,56658	10,50604	10,278537	10,51102667	0,23249	1,174860936	Nipal1
17207445	6,064853	7,362908	6,77975	7,167946	7,001657	6,735495	6,735837	6,968366	0,232529	1,174892696	---
17505718	7,091643	7,3419	7,098759	7,379336	7,562735	7,287916	7,177434	7,409995667	0,23256167	1,174919299	Pdpr
17424782	6,12623	6,302482	6,106931	6,385961	6,38237	6,465245	6,1785477	6,411192	0,23264433	1,174986624	Hint2
17338734	6,782004	6,660089	6,435725	6,87815	6,823606	6,874182	6,6259393	6,858646	0,23270667	1,175037392	Tnfaip8l1
17238934	8,415657	8,540685	8,44342	8,816387	8,806232	8,475348	8,4665873	8,699322333	0,232735	1,175060469	Syne1
17279946	4,597187	4,474235	4,746864	5,131104	4,887586	4,497806	4,6060953	4,838832	0,23273667	1,175061826	---
17203685	6,029902	5,673829	5,914081	6,370498	5,917701	6,027848	5,872604	6,105349	0,232745	1,175068614	---
17546246	6,33468	5,763535	5,835965	6,501936	5,904577	6,226123	5,97806	6,210878667	0,23281867	1,175128616	Spry3

17249586	4,214142	4,220295	4,430514	4,301637	4,809084	4,452728	4,288317	4,521149667	0,23283267	1,17514002	Il5	
17250765	4,502091	4,124661	4,296426	4,630422	4,341528	4,649757	4,307726	4,540569	0,232843	1,175148437	---	
17204631	5,780649	5,962184	5,615467	6,360791	5,819044	5,877193	5,7861	6,019009333	0,23290933	1,17520247	---	
17200657	3,247228	2,638022	3,313944	3,369651	3,248423	3,279878	3,066398	3,299317333	0,23291933	1,175210616	---	
17405674	10,38991	10,65688	10,45553	10,65684	10,96767	10,57679	10,500773	10,73376667	0,23299333	1,175270898	---	
17379683	5,446626	5,130622	6,059861	5,869342	5,824119	5,642629	5,545703	5,778696667	0,23299367	1,175271169	Slc2a10	
17330039	4,610855	4,406808	4,640873	4,788767	4,728993	4,839997	4,5528453	4,785919	0,23307367	1,175336342	LOC100862381	
17397555	3,861456	3,748878	4,114177	4,182599	3,94225	4,298928	3,9081703	4,141259	0,23308867	1,175348562	---	
17439090	7,25845	7,37245	7,425093	7,628041	7,555446	7,57188	7,3519977	7,585122333	0,23312467	1,175377891	---	
17278763	6,64956	6,839376	6,694367	7,039002	6,921108	6,922649	6,7277677	6,960919667	0,233152	1,17540016	---	
17202985	3,549942	3,876243	3,291183	3,769009	3,892088	3,755758	3,572456	3,805618333	0,23316233	1,175408579	---	
17421203	5,474527	5,288578	4,980035	5,422393	5,586565	5,433833	5,2477133	5,480930333	0,233217	1,175453118	Gm13057 // Gm13040 // Gm13043	
17517690	5,4825	5,112768	5,290981	5,557498	5,531699	5,496713	5,2954163	5,528636667	0,23322033	1,175455834	---	
17288061	8,134265	8,510655	8,223692	8,569077	8,528555	8,471047	8,2895373	8,522893	0,23335567	1,175566104	LOC100862598	
17364242	5,309734	5,457977	5,099109	5,268995	5,625657	5,672325	5,28894	5,522325667	0,23338567	1,17559055	---	
17292107	6,517672	6,970175	6,629816	6,893061	6,847852	7,077048	6,7058877	6,939320333	0,23343267	1,175628849	Tbc1d7	
17219487	8,762732	9,312932	8,661262	8,826088	9,290453	9,320849	8,9123087	9,145796667	0,233488	1,17567394	---	
17387587	3,658825	3,342753	3,763741	3,830255	4,021403	3,614338	3,5884397	3,821998667	0,233559	1,1757318	Olfr994	
17506627	4,45588	4,747162	4,934484	4,859622	5,019744	4,959049	4,7125087	4,946138333	0,23362967	1,175789392	Mc1r	
17233069	7,378078	7,688961	7,5432	7,233828	7,866383	8,211183	7,5367463	7,770464667	0,23371833	1,175861657	---	
17430153	5,027857	5,116044	5,404959	5,557273	5,576807	5,116063	5,1829533	5,416714333	0,233761	1,175896433	---	
17201653	5,204495	5,445537	4,843491	5,407616	5,49275	5,294476	5,1645077	5,398280667	0,233773	1,175906213	---	
17305420	7,571962	7,136603	6,530923	7,66381	7,226726	7,050451	7,0798293	7,313662333	0,233833	1,175955119	---	
17313037	5,843921	5,896508	5,947699	6,306083	6,084066	5,99957	5,8960427	6,129906333	0,23386367	1,175980116	---	
17344132	4,677668	4,987985	4,961024	4,983203	4,920441	5,424789	4,875559	5,109477667	0,23391867	1,176024949	Hspa1a	
17512086	7,824644	7,568595	7,974627	8,076541	8,017163	7,976	7,7892887	8,023234667	0,233946	1,17604723	---	
17418101	9,270334	9,296518	8,97251	9,513988	9,304285	9,423077	9,1797873	9,413783333	0,233996	1,176087989	Ppt1	
17411262	6,878294	6,730217	6,64363	7,024098	6,876658	7,053701	6,7507137	6,984819	0,23410533	1,176177122	St6galnac3	
17439805	4,005817	3,734256	4,131246	4,307943	4,210674	4,055312	3,9571063	4,191309667	0,23420333	1,17625702	Dmp1	
17301237	5,094813	5,222704	5,493171	5,553352	5,67049	5,289494	5,2702293	5,504445333	0,234216	1,176267348	Xkr6	
17272934	6,569008	6,654139	6,498273	7,100413	6,567217	6,756462	6,5738067	6,808030667	0,234224	1,17627387	A430071A18Rik	
17525324	4,076266	3,74524	3,903157	4,361757	3,888782	4,176896	3,908221	4,142478333	0,23425733	1,176301048	---	
17205637	4,137234	4,796094	4,838294	4,873712	4,796146	4,804554	4,5905407	4,824804	0,23426333	1,17630594	---	
17435520	5,280562	4,862702	5,086697	5,151871	5,405736	5,375145	5,0766537	5,310917333	0,23426367	1,176306212	Gm7361	
17396544	4,737404	4,97932	4,943121	5,013793	5,317983	5,030942	4,886615	5,120906	0,234291	1,176328499	Mir551b	
17280294	6,577678	7,501786	6,886256	7,137007	7,160899	7,370729	6,9885733	7,222878333	0,234305	1,176339914	---	
17527373	7,937991	7,998692	7,968908	8,15425	8,323051	8,131212	7,9685303	8,202837667	0,23430733	1,176341816	Scaper	
17412875	4,222467	4,135386	4,044374	4,545581	4,189682	4,369901	4,1340757	4,368388	0,23431233	1,176345893	1700066J24Rik	
17448389	6,996991	6,749111	6,629677	7,160099	6,893509	7,025355	6,7919263	7,026321	0,23439467	1,176413028	Rbm47	
17333048	6,11021	6,220569	6,261703	6,292517	6,558874	6,444335	6,197494	6,431908667	0,23441467	1,176429337	---	
17340652	6,11021	6,220569	6,261703	6,292517	6,558874	6,444335	6,197494	6,431908667	0,23441467	1,176429337	---	
17500507	4,716143	4,785556	4,937407	4,978073	5,062635	5,102026	4,8130353	5,047578	0,23454267	1,176533718	---	
17458637	3,966741	3,601417	3,784137	4,226638	3,952386	3,877191	3,7840983	4,018738333	0,23464	1,176613097	1700094M24Rik	
17459327	5,964581	6,030644	5,957761	6,193632	6,309212	6,154207	5,9843287	6,219017	0,23468833	1,176652516	---	
17203235	4,746033	3,620381	4,348855	4,895592	4,299605	4,224282	4,238423	4,473159667	0,23473667	1,176691937	---	
17299288	6,180594	6,170921	6,353745	6,578139	6,47996	6,35153	6,2350867	6,469876333	0,23478967	1,176735166	Samd4	
17482922	4,759906	4,869926	4,794019	4,77908	5,176176	5,173061	4,8079503	5,042772333	0,234822	1,176761539	---	
17540372	5,308088	5,31221	5,264756	5,658919	5,491138	5,439466	5,295018	5,529841	0,234823	1,176762355	---	
17439250	5,239415	5,282212	5,11285	5,609414	5,351939	5,377656	5,2114923	5,446336333	0,234844	1,176779484	Gm3139	
17455647	5,239415	5,282212	5,11285	5,609414	5,351939	5,377656	5,2114923	5,446336333	0,234844	1,176779484	Gm3139	
17494246	6,175362	6,346194	6,128953	6,645278	6,44023	6,269613	6,2168363	6,451707	0,23487067	1,176801236	Hbb-y	
17388774	4,892032	5,109301	4,911857	5,184413	5,022519	5,411247	4,9710633	5,206059667	0,23499633	1,176903746	Ehf	
17499083	4,673595	4,67153	4,874179	4,82011	5,134876	4,969693	4,739768	4,974893	0,235125	1,177008713	---	
17372291	5,705262	4,406441	5,447035	5,538437	5,258875	5,467115	5,186246	5,421475667	0,23522967	1,177094107	Gm2804	
17510696	5,278263	5,548406	5,555701	5,855023	5,71122	5,52193	5,46079	5,696057667	0,23526767	1,177125112	Pou4f2	
17200717	5,06562	4,885375	5,906367	6,084111	5,162477	5,316603	5,2857873	5,521063667	0,23527633	1,177132183	---	
17250755	6,727939	6,642983	6,482799	6,869551	7,095153	6,594923	6,617907	6,853209	0,235302	1,177153125	Mmgt2	
17454977	9,319673	9,021177	9,011672	9,291246	9,408348	9,358908	9,1175073	9,352834	0,23532667	1,177173252	Baiap2l1	
17362984	2,98141	3,174514	3,42342	3,397851	3,592616	3,294905	3,1931147	3,428457333	0,23534267	1,177186307	---	
17225169	7,381011	8,15411	8,022911	7,761696	8,311469	8,191009	7,8526773	8,088058	0,23538067	1,177217314	Snora75	
17516718	5,630689	5,71813	5,671124	5,867095	6,052435	5,806638	5,6733143	5,908722667	0,23540833	1,17723989	Amica1	
17435311	6,98187	7,084681	6,960837	7,252323	7,327593	7,153818	7,0091293	7,244578	0,23544867	1,177272803	Abcb8	
17290205	4,728954	4,682694	4,68309	5,215224	4,864824	4,721104	4,698246	4,933717333	0,23547133	1,177291299	BC147527	
17330577	5,685198	5,640687	5,83293	6,08336	5,871747	5,910449	5,719605	5,955185333	0,23558033	1,177380251	Boc	
17509139	6,679687	6,705446	6,573245	6,975909	7,119304	6,56991	6,6527927	6,888374333	0,23558167	1,177381339	Lrp2bp	
17206121	7,571915	7,661249	7,012808	7,712183	7,674477	7,566114	7,415324	7,650924667	0,23560067	1,177396845	---	
17276253	7,735684	7,762076	7,901363	8,000628	8,118059	7,987392	7,7997077	8,035359667	0,235652	1,177438739	---	
17487537	6,436553	6,259345	5,846299	6,326293	6,433688	6,489283	6,1807323	6,416421333	0,235689	1,177468937	Vmn1r118	
17487627	6,436553	6,259345	5,846299	6,326293	6,433688	6,489283	6,1807323	6,416421333	0,235689	1,177468937	Vmn1r118	
17207611	6,715241	6,776519	6,786261	6,732583	7,204673	7,04825	6,7593403	6,995168667	0,23582833	1,17758266	---	
17429954	6,133285	6,077055	6,293057	6,654403	6,287094	6,269463	6,167799	6,403653333	0,23585433	1,177603883	1700029G01Rik	
17209023	4,199971	4,007091	4,020066	3,97857	4,471176	4,48528	4,0757093	4,311675333	0,235966	1,177695035	---	
17337342	6,90659	7,01074	6,859977	7,167041	7,032455	7,285712	6,925769	7,161736	0,235967	1,177695851	Gm8801	
17205577	3,276052	3,602176	3,614101	3,889528	4,154036	3,156848	3,497443	3,733470667	0,23602767	1,177745375	---	
17396479	12,00952	11,73952	11,62671	11,90231	12,14782	12,0338	11,791917	12,02797667	0,23606	1,177771771	Slc2a2	
17210031	5,392444	5,115672	5,049581	5,351035	5,199637	5,715299	5,185899	5,421990333	0,23609133	1,177797351	---	
17478799	5,071432	5,244441	5,24926	5,490005	5,677307	5,106103	5,1883777	5,424471667	0,236094	1,177799528	---	
17207069	4,511295	4,595837	4,06553	4,384649	4,659929	4,836367	4,3908873	4,626981667	0,23609433	1,1777998	---	
17443591	5,248003	4,98904	5,415118	5,487659	5,387002	5,485878	5,217387	5,453513	0,236126	1,177825652	---	
17547602	5,025575	5,105972	5,272345	5,453834	5,349542	5,308952	5,1346307	5,370776	0,23614533	1,177841436	Gm10099	
17203317	6,602021	6,084395	7,333527	6,713282	7,134434	6,881309	6,6733143	6,909675	0,23636067	1,178017251	---	
17272969	5,208365	4,68575	4,924592	5,33592	5,168519	5,023518	4,939569	5,175985667	0,23641667	1,178062978	Mir338	
17289484	3,519426	3,136896	3,265888	3,579189	3,524072	3,528427	3,3074033	3,543896	0,23649267	1,178125039	---	
17446775	7,909807	8,226067	8,039394	8,351002	8,231837	8,302048	8,0584227	8,294962333	0,23653967	1,178163421	Preb	
17399571	4,284941	4,262372	4,054272	4,461865	4,448007	4,401499	4,2005283	4,437123667	0,23659533	1,178208881	---	
17433493	7,204749	7,429469	7,594558	7,641408	7,573003	7,724154	7,409592	7,646188333	0,23659633	1,178209698	Kcnab2	
17201815	4,92424	6,063341	6,860927	5,903415	6,241763	6,413124	5,9495027	6,186100667	0,236598	1,178211059	---	
17201991	4,92424	6,063341	6,860927	5,903415	6,241763	6,413124	5,9495027	6,186100667	0,236598	1,178211059	---	
17204317	6,711896	6,423858	6,838024	6,909048	6,984951	6,789737	6,657926	6,894578667	0,23665267	1,178255705	---	
17274117	3,837847	3,695279	3,695176	4,113579	3,980518	3,844337	3,7427673	3,979478	0,23671067	1,178303075	4930519A11Rik	
17205433	4,338727	4,722357	4,467651	4,953717	4,701468	4,583781	4,5095783	4,746322	0,23674367	1,178330027	---	
17305501	5,527906	5,278688	5,388494	5,531851	5,85428	5,519255	5,3983627	5,635128667	0,236766	1,178348268	---	
17209847	6,467159	6,237523	6,719037	6,966937	6,747491	6,4196	6,474573	6,711342667	0,23676967	1,178351263	---	
17379139	5,004815	4,931693	5,52134	5,357916	5,447607	5,362735	5,152616	5,389419333	0,23680333	1,178378762	L3mbtl1	
17545524	5,998935	4,779984	4,611472	5,963099	4,920773	5,216976	5,1301303	5,366949333	0,236819	1,178391558	Gm16445	
17300274	8,840322	8,569305	9,167054	9,310662	9,043543	8,933263	8,8588937	9,095822667	0,236929	1,178481409	---	
17434884	6,852936	6,823173	6,735004	7,098262	7,064478	6,959186	6,8037043	7,040642	0,23693767	1,178488489	Speer7-ps1	
17370525	6,308676	5,874216	5,796476	6,349508	6,2022	6,138511	5,9931227	6,230073	0,23695033	1,178498836	---	
17205523	6,300493	5,99273	6,109277	6,099275	6,605619	6,408723	6,1341667	6,371205667	0,237039	1,178571267	---	
17202079	6,365879	5,400409	5,81443	6,546011	5,580636	6,16534	5,8602393	6,097329	0,23708967	1,178612659	---	
17201777	4,919837	4,167457	3,857275	5,271204	4,402449	3,982721	4,3148563	4,552124667	0,23726833	1,17875863	---	
17201953	4,919837	4,167457	3,857275	5,271204	4,402449	3,982721	4,3148563	4,552124667	0,23726833	1,17875863	---	
17547958	6,688667	6,749109	6,862041	7,031858	6,964663	7,015193	6,7666057	7,003904667	0,237299	1,178783687	---	
17205451	4,192457	4,800373	5,140764	4,192488	5,340484	5,31254	4,711198	4,948504	0,237306	1,178789406	---	
17201045	6,551094	7,377921	7,1182	7,013938	7,318257	7,427285	7,0157383	7,25316	0,23742167	1,178883918	---	
17500104	6,075855	5,677707	6,271121	6,096342	6,292305	6,348417	6,0082277	6,245688	0,23746033	1,178915515	Plekha2	
17306316	3,454993	3,612109	3,736497	3,707316	4,057174	3,751709	3,6011997	3,838733	0,23753333	1,178975169	Olfr1511	
17245188	8,689386	8,722787	8,55818	8,783643	8,850059	9,049265	8,6567843	8,894322333	0,237538	1,178978983	Frs2	
17538452	5,068525	4,059126	3,784391	4,394186	4,365267	4,865239	4,304014	4,541564	0,23755	1,178988789	Gm15080	
17220767	6,600237	5,974037	5,281554	5,7929	6,34833	6,127449	5,8519427	6,089559667	0,237617	1,17904354	---	
17404209	5,492632	5,9162	4,893163	5,972291	5,660303	5,382281	5,4339983	5,671625	0,23762667	1,179051444	Sirpb1b	
17234588	9,01227	9,070974	9,182222	9,282679	9,377714	9,318014	9,0884887	9,326135667	0,237647	1,179068061	Ftcd	
17202335	6,555016	6,354323	6,982387	6,658665	7,041119	6,905047	6,6305753	6,868277	0,23770167	1,17911274	---	
17299401	6,516372	6,463688	6,67744	6,857121	6,79678	6,716832	6,5525	6,790244333	0,23774433	1,179147612	Peli2	
17225460	6,645379	6,506175	6,773183	6,993983	6,833203	6,810846	6,641579	6,879344	0,237765	1,179164503	Rab17	
17399929	3,584484	3,281253	4,100799	4,095454	4,007346	3,577205	3,655512	3,893335	0,237823	1,179211909	Gm4858	
17357688	5,91834	6,191997	5,72014	6,126368	6,214952	6,202654	5,9434923	6,181324667	0,23783233	1,179219538	Ms4a6b	
17527520	7,631722	7,320945	7,169644	7,450751	7,711878	7,673464	7,3741037	7,612031	0,23792733	1,179297191	Scamp5	
17518191	5,49727	5,457697	5,239548	5,554281	5,848393	5,505702	5,3981717	5,636125333	0,23795367	1,179318717	Itga11	
17290929	7,866383	7,478609	7,765016	7,873578	7,886846	8,063513	7,703336	7,941312333	0,23797633	1,179337246	---	
17263004	8,391284	8,429025	8,152309	8,490113	8,589948	8,606506	8,324206	8,562189	0,237983	1,179342695	Atox1	
17528746	5,57293	5,606967	5,412813	5,748783	5,681911	5,876255	5,5309033	5,768983	0,23807967	1,179421719	Zfp280d	
17210267	3,876239	4,455292	4,920616	4,820103	4,405242	4,741364	4,4173823	4,655569667	0,23818733	1,179509741	---	
17210289	3,876239	4,455292	4,920616	4,820103	4,405242	4,741364	4,4173823	4,655569667	0,23818733	1,179509741	---	
17515758	6,996521	7,25728	7,136789	7,382731	7,389719	7,332912	7,1301967	7,368454	0,23825733	1,179566973	Nfrkb	
17200551	3,378288	4,489979	3,245844	4,034748	3,836632	3,95757	3,7047037	3,942983333	0,23827967	1,179585233	---	
17538814	9,479151	9,505524	9,490226	9,832397	9,597162	9,760201	9,4916337	9,72992	0,23828633	1,179590684	---	
17278711	7,383627	7,171851	7,264264	7,379259	7,640643	7,514989	7,2732473	7,511630333	0,238383	1,179669724	Rtl1 // Rtl1	
17406285	8,855612	8,843117	8,81662	8,997272	9,080127	9,153167	8,8384497	9,076855333	0,23840567	1,179688258	D930015E06Rik	
17210323	7,404249	6,541892	6,762737	7,11695	7,254275	7,052935	6,9029593	7,141386667	0,23842733	1,179705975	---	
17412932	6,984744	6,754165	7,061175	7,209771	7,152612	7,153101	6,9333613	7,171828	0,23846667	1,179738139	Galt	
17477055	2,924171	2,982459	2,815713	3,295299	3,15861	2,984056	2,9074477	3,145988333	0,23854067	1,179798653	EU599041 // EU599041	
17206031	4,626083	5,204786	4,271642	5,626597	4,916777	4,274821	4,700837	4,939398333	0,23856133	1,179815553	---	
17476661	3,627665	3,728716	3,734711	4,115177	3,804447	3,887323	3,6970307	3,935649	0,23861833	1,179862168	---	

17464977	6,047474	5,702076	5,982543	6,125777	6,280069	6,042155	5,9106977	6,149333667	0,238636	1,179876616	Wnt2
17245729	6,065112	6,142217	6,026056	6,446082	6,151247	6,35206	6,077795	6,316463	0,238668	1,179902787	Slc26a10
17412400	4,982898	5,035434	5,0072	5,227348	5,216593	5,297617	5,0085107	5,247186	0,23867533	1,179908785	---
17279166	11,50583	11,5011	11,81343	11,77058	11,90378	11,86214	11,606787	11,8455	0,23871333	1,179939863	---
17207039	5,958548	7,15052	6,58134	6,847989	7,126089	6,43249	6,5634693	6,802189333	0,23872	1,179945316	---
17532246	6,705451	6,827621	6,803612	7,004517	7,083694	6,964683	6,7788947	7,017631333	0,23873667	1,179958947	Gorasp1
17507792	6,083147	5,93444	6,055795	6,502789	6,24577	6,041035	6,0244607	6,263198	0,23873733	1,179959492	---
17210215	6,954645	7,604815	7,198185	7,212911	7,754515	7,506646	7,2525483	7,491357333	0,238809	1,180018109	---
17201877	5,040618	5,348444	5,24489	5,625218	4,720686	6,004541	5,2113173	5,450148333	0,238831	1,180036104	---
17398723	4,989049	5,389145	5,02426	5,339311	5,333715	5,446127	5,1341513	5,373051	0,23889967	1,18009227	Cd1d2
17519821	8,207066	8,175288	7,777095	8,207001	8,405908	8,263454	8,0531497	8,292121	0,23897133	1,180150893	Myo6
17266960	6,574937	6,819554	6,506775	6,695868	7,001093	6,921277	6,6337553	6,872746	0,23899067	1,180166708	Ccl6
17395302	5,208285	6,556696	6,012092	6,455929	5,981855	6,056463	5,925691	6,164749	0,239058	1,18022179	---
17289742	5,84767	5,565568	5,573911	5,823144	5,94183	5,939458	5,662383	5,901477333	0,23909433	1,180251514	Pde4d
17203811	3,968821	3,536274	3,713438	4,400555	3,684168	3,85117	3,739511	3,978631	0,23912	1,180272512	---
17279891	5,15107	5,03738	5,55094	5,315728	5,579037	5,561998	5,2464633	5,485587667	0,23912433	1,180276057	---
17533230	4,407988	4,443411	4,57968	4,880829	4,556028	4,711654	4,4770263	4,716170333	0,239144	1,180292146	4930557A04Rik
17517215	5,670799	5,362528	5,06471	5,795261	5,557061	5,463172	5,3660123	5,605164667	0,23915233	1,180298964	---
17203497	5,017298	4,195892	4,465675	5,004005	4,766083	4,62649	4,5596217	4,798859333	0,23923767	1,180368779	---
17205547	3,12877	3,243324	2,735258	3,28843	3,406698	3,130107	3,035784	3,275078333	0,23929433	1,180415143	---
17219486	11,06711	11,07944	11,07894	11,53426	11,34454	11,06476	11,075163	11,31452	0,23935667	1,180466145	---
17263642	7,330858	7,282416	7,452515	7,607697	7,697806	7,478473	7,355263	7,594658667	0,23939567	1,180498057	Top3a
17226798	8,119516	7,936761	7,788407	8,253585	8,20199	8,107864	7,948228	8,187813	0,239585	1,180652991	Srgap2
17494820	4,829997	5,168502	5,305571	5,669554	5,42509	4,928317	5,1013567	5,340987	0,23963033	1,18069009	Olfr519
17337604	3,462699	3,296577	3,089468	3,848497	3,308503	3,410757	3,2829147	3,522585667	0,239671	1,180723372	Olfr124
17321740	6,009246	6,345548	6,352321	6,219721	6,716211	6,490211	6,235705	6,475381	0,239676	1,180727464	Pou6f1
17282673	6,330243	6,317528	6,084516	6,334048	6,515406	6,601891	6,2440957	6,483781667	0,239686	1,180735648	Mlh3
17206751	5,533132	6,418841	6,784914	6,886014	5,888269	6,68172	6,245629	6,485334333	0,23970533	1,180751471	---
17202603	3,68793	3,350548	4,212184	4,167562	3,863897	3,938369	3,7502207	3,989942667	0,239722	1,180765112	---
17238902	7,644873	7,426874	7,701355	7,880291	7,990648	7,621344	7,591034	7,830761	0,239727	1,180769204	Syne1
17305304	7,102633	6,838577	6,354436	7,181881	6,930343	6,902685	6,7652153	7,004969667	0,23975433	1,180791575	---
17205311	4,197496	4,21699	3,847564	4,346131	4,115096	4,520301	4,08735	4,327176	0,239826	1,180850233	---
17210187	7,569659	7,440078	8,076564	8,093025	7,9437	7,769291	7,6954337	7,935338667	0,239905	1,180914897	---
17538188	4,311349	4,401422	4,363677	4,861536	4,492392	4,442403	4,358816	4,598777	0,239961	1,180960736	Eif2c5
17502644	3,650294	3,690838	3,590517	3,861856	4,020091	3,769624	3,643883	3,883857	0,239974	1,180971378	---
17278828	5,524951	5,378948	5,233846	5,640951	5,66283	5,554017	5,3792483	5,619266	0,24001767	1,181007123	Mir543
17246430	4,200243	3,908544	3,648239	4,167228	4,318873	3,991292	3,9190087	4,159131	0,24012233	1,181092808	Olfr806
17445062	4,564458	4,564458	4,60688	4,833174	4,782063	4,840948	4,5785987	4,818728333	0,24012967	1,181098812	4930500F04Rik
17409963	8,334204	8,266598	8,18944	8,341476	8,590306	8,578878	8,263414	8,503553333	0,24013933	1,181106725	Fnbp1l
17206075	4,898741	5,08948	3,931296	4,9691	5,037105	4,633801	4,639839	4,880002	0,240163	1,181126101	---
17208119	3,460156	3,062093	3,49355	3,498658	3,599761	3,637896	3,3385997	3,578771667	0,240172	1,181133469	---
17332133	6,183142	6,477357	6,223844	6,512527	6,606348	6,48605	6,294781	6,534975	0,240194	1,181151481	Dnajc28
17388954	6,556826	6,658093	6,422034	7,058364	6,530376	6,769157	6,545651	6,785965667	0,24031467	1,181250276	Tcp11l1
17540766	7,10569	6,061358	5,50056	7,015615	5,784377	6,588581	6,222536	6,462857667	0,24032167	1,181256008	Gm2012
17540838	7,10569	6,061358	5,50056	7,015615	5,784377	6,588581	6,222536	6,462857667	0,24032167	1,181256008	Gm5169
17501089	4,812788	4,946832	5,000971	5,10743	5,094546	5,279652	4,920197	5,160542667	0,24034567	1,181275659	AA386476
17462987	5,563129	5,592893	5,873841	6,059837	5,951071	5,740104	5,676621	5,917004	0,240383	1,181306228	C530028O21Rik
17328038	3,039725	2,946665	2,974033	3,05756	3,611783	3,012354	2,9868077	3,227232333	0,24042467	1,181340345	---
17210529	5,973449	5,48595	5,763786	5,911398	6,162712	5,870536	5,7410617	5,981548667	0,240487	1,181391388	---
17391482	8,097269	7,788044	7,007739	8,021564	7,770533	7,822444	7,6310173	7,871513667	0,24049633	1,181399031	---
17336494	7,153278	7,187497	7,309973	7,367081	7,583596	7,421961	7,216916	7,457546	0,24063	1,181508493	H2-Ab1
17233037	4,134306	3,917144	3,853968	3,974405	4,474698	4,178264	3,9684727	4,209122333	0,24064967	1,181524599	---
17204019	3,882718	3,656286	3,355973	3,961015	3,894175	3,76184	3,631659	3,872343333	0,24068433	1,181552991	---
17490324	5,599988	5,739328	5,858394	6,150672	5,813373	5,955733	5,73257	5,973259333	0,24068933	1,181557086	---
17460579	9,05493	9,014935	9,073807	9,369352	9,385438	9,110954	9,0478907	9,288581333	0,24069067	1,181558178	---
17387835	3,573772	3,306624	3,820989	4,044896	3,684235	3,694408	3,5671283	3,807846333	0,240718	1,181580564	Olfr1181
17295122	3,773844	3,834854	3,869279	3,917506	4,057733	4,225011	3,8259923	4,06675	0,24075767	1,181613052	S100z
17501579	4,831975	4,500143	4,869089	5,01044	4,990995	4,922121	4,7337357	4,974518667	0,240783	1,181633801	Psd3
17208601	6,132947	6,286354	6,357488	6,507509	6,331369	6,660282	6,2589297	6,49972	0,24079033	1,181639807	---
17258451	4,803767	5,190841	5,651407	5,831079	5,179157	5,358211	5,2153383	5,456149	0,24081067	1,181656461	1110017F19Rik
17538834	7,549632	7,165126	7,23063	7,776028	7,850843	7,040985	7,3151293	7,555952	0,24082267	1,18166629	---
17475542	6,36674	6,577431	6,746292	6,619824	6,92288	6,870382	6,5634877	6,804362	0,24087433	1,181708609	Adck4
17337984	7,174594	7,34937	7,801107	7,93866	7,431005	7,678072	7,4416903	7,682579	0,24088867	1,18172035	Gtpbp2
17543446	4,695498	4,862053	5,007741	5,137269	5,180729	4,96997	4,8550973	5,095989333	0,240892	1,18172308	---
17499626	9,829583	10,03829	9,852369	10,28638	10,05078	10,10595	9,9067473	10,14770333	0,240956	1,181775504	---
17528562	4,8066	4,566442	4,747878	4,972781	5,062417	4,80859	4,7069733	4,947929333	0,240956	1,181775504	Gcnt3
17231826	5,620601	5,586824	5,553805	5,658686	5,845518	5,98017	5,5870767	5,828124667	0,241048	1,181850868	Nhsl1
17411492	4,746497	4,894815	3,942577	4,981344	4,533706	4,792052	4,527963	4,769034	0,241071	1,181869709	LOC621549
17481305	6,529229	6,664554	5,924623	6,985374	6,346252	6,510064	6,372802	6,613896667	0,24109467	1,181889098	Trim12c // Trim12c
17210371	4,506429	4,67154	4,731183	4,961818	4,75461	4,916052	4,636384	4,877493333	0,24110933	1,181901113	---
17494152	4,986894	5,110512	4,752241	5,371119	4,823377	5,378577	4,9498823	5,191024333	0,241142	1,181927875	Olfr577
17203923	4,31781	4,959606	4,143603	4,425943	4,7687	4,949915	4,473673	4,714852667	0,24117967	1,181958734	---
17205369	7,183731	5,6772	6,523624	6,432043	6,461332	7,214813	6,4615183	6,702729333	0,241211	1,181984404	---
17337673	4,013487	3,73598	3,865853	4,219359	3,94225	4,177406	3,8717733	4,113005	0,24123167	1,182001336	Esp38 // Esp38
17295987	6,20761	5,956542	6,038822	6,120569	6,32778	6,478787	6,067658	6,309045333	0,24138733	1,182128881	Rgs7bp
17224291	7,999653	8,205691	7,852151	8,314322	8,194232	8,273119	8,019165	8,260557667	0,24139267	1,182133251	Usp37
17542678	6,42319	6,438134	6,699562	6,870393	6,729216	6,685471	6,5202953	6,761693333	0,241398	1,182137621	Fam3a
17426613	5,755682	5,715151	5,35584	5,956231	5,699317	5,895433	5,608891	5,850327	0,241436	1,182168759	Gm13871
17205345	5,121981	5,147536	5,806478	6,035132	5,035556	5,729815	5,358665	5,600167667	0,24150267	1,182223388	---
17524441	5,262691	5,046432	5,346001	5,55971	5,501273	5,318678	5,2183747	5,459887	0,24151233	1,182231309	Olfm2
17360177	4,364579	4,133849	4,297109	4,580839	4,745798	4,193453	4,265179	4,506696667	0,24151767	1,18223568	Gm19557
17284354	10,35858	10,0908	9,846493	10,34945	10,14865	10,52236	10,098624	10,34015333	0,241529	1,182244967	Igh-VJ558
17521507	4,481489	4,465518	4,156294	4,440912	4,706873	4,680308	4,367767	4,609364333	0,24159733	1,182300965	4921517D21Rik
17215885	9,767791	9,72637	9,732057	9,925917	9,935111	10,09	9,7420727	9,983676	0,24160333	1,182305882	Agxt
17206879	4,606482	4,428	3,650192	4,240574	4,589581	4,579745	4,2282247	4,469666667	0,241742	1,182419527	---
17201453	5,162697	4,835312	5,264455	5,209053	5,58268	5,195994	5,087488	5,329242333	0,24175433	1,182429635	---
17538824	8,652924	8,870946	8,68424	8,896903	9,139181	8,897408	8,7360367	8,977830667	0,241794	1,182462146	---
17380850	7,137819	7,036647	7,104065	7,436457	7,408083	7,159446	7,0928437	7,334662	0,24181833	1,182482091	Slc17a9
17203239	6,559758	6,323196	6,897057	6,795982	6,834338	6,875173	6,593337	6,835164333	0,24182733	1,182489467	---
17450748	5,905835	5,768923	6,225018	5,95399	6,566548	6,104746	5,966592	6,208428	0,241836	1,182496571	Mfsd7a
17204137	5,136269	5,017945	5,184602	5,177972	5,870587	5,015777	5,1129387	5,354778667	0,24184	1,18249985	---
17397750	10,98248	10,97869	10,79725	11,01616	11,38422	11,08372	10,919473	11,16136667	0,24189333	1,182543565	Tm4sf4
17291111	5,270881	4,623246	5,08557	5,262651	5,455232	4,987852	4,9932323	5,235245	0,24201267	1,182641384	Vmn1r217
17207115	6,881876	6,685911	6,545073	7,25072	6,871199	6,716992	6,7042867	6,946303667	0,242017	1,182644936	---
17263007	8,336231	8,346611	8,125231	8,430965	8,587461	8,515785	8,2693577	8,511403667	0,242046	1,182668709	---
17302539	4,99035	4,900393	4,663754	5,014106	5,311315	4,955482	4,851499	5,093634333	0,24213533	1,182741943	D130009I18Rik
17250530	7,016791	6,608994	7,126905	7,314552	7,30717	6,857637	6,9175633	7,159786333	0,242223	1,182813816	Tmem11
17366750	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1 // Mir467a-1
17366762	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366794	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366806	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366830	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366842	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366854	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17366866	3,502753	3,440996	3,566699	4,041444	3,56047	3,635296	3,5034827	3,745736667	0,242254	1,182839232	Mir467a-1
17248963	4,150688	3,785585	3,657361	4,224653	3,858346	4,237511	3,8645447	4,106836667	0,242292	1,182870388	Olfr1391
17206641	3,189692	3,000852	4,112525	3,576596	4,000248	3,453524	3,4343563	3,676789333	0,242433	1,182986	---
17293863	6,204776	6,392211	5,839008	6,467266	6,616638	6,079537	6,1453317	6,387813667	0,242482	1,18302618	Uqcrb
17412910	4,950502	4,432508	4,846011	5,271597	4,763415	4,921482	4,743007	4,985498	0,242491	1,18303356	---
17512611	5,462454	5,37016	5,42731	5,801206	5,532877	5,653446	5,4199747	5,662509667	0,242535	1,183069641	Dpep2
17203321	7,152622	6,892656	7,198802	7,653935	7,225436	7,09236	7,08136	7,323910333	0,24255033	1,183082215	---
17216096	6,07573	6,300286	6,287786	6,444434	6,329515	6,617547	6,2212673	6,463832	0,24256467	1,183093969	D2hgdh
17529859	4,716509	4,659725	5,053273	5,152208	5,017589	4,987502	4,8098357	5,052433	0,24259733	1,183120758	Zbtb38
17203797	4,92914	4,587892	5,150548	4,623764	5,16904	5,602606	4,8891933	5,131803333	0,24261	1,183131146	---
17362412	3,048746	3,187309	3,413803	3,282526	3,212256	3,883356	3,2166193	3,459379333	0,24276	1,183254165	Slc22a29
17419305	4,059459	3,637569	4,158142	4,081997	4,492252	4,009231	3,9517233	4,194493333	0,24277	1,183262366	Matn1
17486334	4,248827	4,008239	3,819098	4,41239	4,144601	4,247546	4,025388	4,268179	0,242791	1,18327959	Vmn2r38
17519967	5,853251	5,544967	5,740741	5,946236	6,059385	5,861874	5,7129863	5,955831667	0,24284533	1,183324155	Tpbg
17382592	5,655705	5,494737	5,858565	5,73307	6,031288	5,973317	5,669669	5,912558333	0,24288933	1,183360245	Ptgds
17319734	6,839762	6,89343	7,021783	7,433126	7,092497	6,958047	6,918325	7,161223333	0,24289833	1,183367627	Tbrg3
17208637	7,057547	7,202481	6,984426	7,203154	7,340044	7,430017	7,0814847	7,324405	0,24292033	1,183385673	---
17526363	7,357339	7,164643	7,288928	7,917194	7,331243	7,291768	7,2703033	7,513401667	0,24309833	1,183531688	Tmem25
17523680	8,446252	7,587715	7,817945	8,357595	7,827202	8,396435	7,9506373	8,193744	0,24310667	1,183538524	Mir101c
17541634	4,952886	5,551412	4,964344	5,197298	5,478827	5,522017	5,156214	5,399380667	0,24316667	1,183587747	---
17499803	5,579137	5,446209	5,405364	5,744718	5,831145	5,584371	5,4769033	5,720078	0,24317467	1,18359431	Defa24
17212982	6,426168	6,097658	6,471822	6,055266	6,702708	6,967349	6,3318827	6,575107667	0,243225	1,183635605	Aox1
17205807	6,3689	6,351647	6,454069	6,818333	6,571477	6,514704	6,3915387	6,634838	0,24329933	1,183696592	---
17269229	3,669148	3,9354	3,883497	4,005501	4,357311	3,855229	3,8293483	4,072680333	0,243332	1,183723395	Krtap4-8
17331890	3,413514	3,514425	3,82273	4,076392	3,68636	3,718024	3,5835563	3,826925333	0,243369	1,183753753	Gm10228
17525684	4,102018	3,797496	4,03687	4,375682	4,219503	4,071385	3,9787947	4,22219	0,24339533	1,18377536	Olfr151
17204407	3,715963	4,455105	3,249409	3,986125	4,385423	3,779149	3,8068257	4,050232333	0,24340667	1,18378466	---
17209737	6,107769	5,412283	5,807748	5,37667	6,387105	6,29448	5,7759333	6,019418333	0,243485	1,183848937	---
17363572	7,51301	7,458071	7,330483	7,592519	7,580526	7,85903	7,4338547	7,677358333	0,24350367	1,183864255	Tjp2
17482737	9,821625	9,548477	9,577112	9,910426	9,927338	9,839973	9,6490713	9,892579	0,24350767	1,183867537	---

17386477	7,954327	7,963923	8,442719	8,442362	8,321953	8,327264	8,120323	8,363859667	0,24353667	1,183891334	---
17521541	8,286921	8,786905	8,166379	8,850723	8,676964	8,443514	8,4134017	8,657067	0,24366533	1,183996924	Uba7
17509755	3,809369	3,725489	3,992645	4,14549	3,952086	4,16093	3,842501	4,086168667	0,24366767	1,183998839	---
17208705	4,280858	4,575679	4,34865	4,24175	4,131475	5,563492	4,401729	4,645572333	0,24384333	1,184143015	---
17209187	4,479544	4,004572	5,023767	4,939447	4,334931	4,965373	4,5026277	4,746583667	0,243956	1,184235494	---
17206507	7,375597	7,940295	7,746833	7,807537	7,914491	8,073326	7,687575	7,931784667	0,24420967	1,184443734	---
17200821	5,243327	5,198988	5,011769	5,429621	5,441305	5,315833	5,1513613	5,395586333	0,244225	1,184456323	---
17386557	4,486362	4,523659	4,596353	4,854164	4,765847	4,719073	4,535458	4,779694667	0,24423667	1,184465901	Chrna1
17415932	8,353313	8,195588	8,411014	8,424675	8,843189	8,424786	8,3199717	8,564216667	0,244245	1,184472743	Ak4
17542941	3,213115	3,339592	3,384334	3,229569	3,901987	3,538685	3,312347	3,556747	0,2444	1,184600007	Gm14743
17204349	5,387303	5,789965	4,90755	5,164496	6,244278	5,409363	5,361606	5,606045667	0,24443967	1,184632578	---
17326604	7,808132	7,555058	7,334642	7,732193	7,769929	7,929265	7,565944	7,810462333	0,24451833	1,184697175	Robo1
17321871	4,263513	3,680036	4,056146	4,356106	4,280982	4,096203	3,9998983	4,244430333	0,244532	1,184708398	Krt84
17249927	6,277788	5,625918	5,730019	6,297971	6,141064	5,92833	5,8779083	6,122455	0,24454667	1,184720442	---
17534280	3,193759	2,871821	3,133307	3,423713	3,211572	3,29728	3,0662957	3,310855	0,24455933	1,184730843	Rhox2f
17409837	5,60343	5,221812	5,473093	6,008003	5,703222	5,320986	5,4327783	5,677403667	0,24462533	1,184785043	---
17472705	4,787934	5,122195	5,379358	5,343575	5,086277	5,593855	5,0964957	5,341235667	0,24474	1,184879215	Casc1
17261425	5,341995	5,472145	5,469067	5,647863	5,69996	5,669898	5,4277357	5,672573667	0,244838	1,184959705	Stc2
17269903	5,90695	4,631142	5,381789	5,707396	5,357336	5,589775	5,306627	5,551502333	0,24487533	1,184990369	Ptges3l // Aarsd1
17315002	9,790652	9,906578	9,490892	10,08282	9,936959	9,903019	9,729374	9,974266	0,244892	1,185004058	Mettl7a1
17504190	8,964619	9,021427	9,070917	9,150496	9,378757	9,262513	9,0189877	9,263922	0,24493433	1,185038831	Gpr56
17229629	9,263784	9,070959	9,028858	9,240705	9,436899	9,421007	9,1212003	9,366203667	0,24500333	1,185095509	Sdhc
17428289	3,734088	3,987557	3,792976	4,366622	3,851355	4,031672	3,838207	4,083216333	0,24500933	1,185100438	Skint10
17382051	4,953639	5,007847	5,211174	5,453633	5,35864	5,095445	5,0575533	5,302572667	0,24501933	1,185108652	---
17375185	8,635028	8,703745	8,47538	8,711455	8,8633	8,974477	8,6047177	8,849744	0,24502633	1,185114402	Ccndbp1
17268790	6,529057	6,125304	6,069743	6,227378	6,774585	6,457289	6,241368	6,486417333	0,24504933	1,185133296	1700003D09Rik
17248474	4,762709	4,996853	5,081275	5,082702	5,133539	5,360083	4,9469457	5,192108	0,24516233	1,185226126	Mir218-2
17278702	5,672931	5,456136	5,939482	5,880987	6,176358	5,746772	5,6895163	5,934705667	0,24518933	1,185248308	Rtl1 // Rtl1
17203391	6,445951	5,609119	5,995728	6,116255	6,216431	6,453727	6,0169327	6,262137667	0,245205	1,185261179	---
17242570	7,052113	7,377183	6,977573	7,385503	7,303768	7,453216	7,135623	7,380829	0,245206	1,185262	2610008E11Rik // 2610008E11Rik
17304292	3,531502	3,310512	3,766325	4,018819	3,546254	3,778912	3,536113	3,781328333	0,24521533	1,185269668	---
17520307	5,319726	5,150664	5,278514	5,57637	5,454346	5,453918	5,2496347	5,494878	0,24524333	1,185292672	Plscr5
17205049	5,798441	6,074061	6,176694	6,835234	6,130033	5,819741	6,0163987	6,261669333	0,24527067	1,185315129	---
17209239	5,798441	6,074061	6,176694	6,835234	6,130033	5,819741	6,0163987	6,261669333	0,24527067	1,185315129	---
17278880	4,088062	4,346232	4,548268	4,63901	4,565381	4,514058	4,3275207	4,572816333	0,24529567	1,185335669	Mir496
17205657	5,52133	5,938262	5,674762	6,181199	5,442656	6,246563	5,7114513	5,956806	0,24535467	1,185384145	---
17206285	5,148035	5,475915	4,816026	5,663518	5,565815	4,946718	5,1466587	5,392017	0,24535833	1,185387158	---
17205755	8,182905	8,201414	8,611772	8,825811	8,234523	8,671913	8,3320303	8,577415667	0,24538533	1,185409343	---
17204861	4,398058	4,26188	4,966194	5,064281	5,162593	4,13544	4,542044	4,787438	0,245394	1,185416464	---
17303874	4,351269	4,328535	4,359902	4,656727	4,839267	4,279933	4,3465687	4,591975667	0,245407	1,185427146	Myoz1
17401447	4,667123	5,070084	4,696566	5,159474	5,107419	4,903126	4,8112577	5,056673	0,24541533	1,185433993	Ovgp1
17372392	9,560353	9,64736	9,534418	9,831567	9,947524	9,699513	9,5807103	9,826201333	0,245491	1,185496168	Dnajc10
17495216	5,08006	4,666853	4,825881	5,199988	5,093579	5,015982	4,857598	5,103183	0,245585	1,185573413	4930543E12Rik
17205075	5,183939	4,988746	4,798062	5,810953	5,728977	4,167636	4,990249	5,235855333	0,24560633	1,185590944	---
17209265	5,183939	4,988746	4,798062	5,810953	5,728977	4,167636	4,990249	5,235855333	0,24560633	1,185590944	---
17519573	5,412183	5,268538	5,237326	5,42623	5,788846	5,439822	5,3060157	5,551632667	0,245617	1,18559971	Klhl31
17206647	3,724834	3,710825	3,646727	3,256548	4,062218	4,50051	3,6941287	3,939758667	0,24563	1,185610393	---
17207081	4,283496	5,407633	5,353493	5,039567	5,542873	5,199138	5,014874	5,260526	0,245652	1,185628473	---
17415003	6,534553	6,134366	6,248761	6,535858	6,49537	6,62342	6,3058933	6,551549333	0,245656	1,185631761	---
17280285	6,785276	6,932114	6,973525	7,085446	7,088573	7,253919	6,8969717	7,142646	0,24567433	1,185646827	---
17534102	4,554143	4,558404	4,336232	4,588037	4,621069	4,97676	4,4829263	4,728622	0,24569567	1,18566436	Slc25a43
17381424	9,274396	9,052693	8,894614	9,303003	9,272563	9,383318	9,073901	9,319628	0,245727	1,185690111	Dhtkd1
17483242	5,205167	4,938995	5,091965	4,680799	6,519936	4,772581	5,078709	5,324438667	0,24572967	1,185692303	Mylpf
17522868	4,792663	4,944957	4,805507	5,19007	5,181288	4,908988	4,847709	5,093448667	0,24573967	1,185700521	---
17500412	5,685646	5,399858	5,298653	5,871032	5,648433	5,602066	5,4613857	5,707177	0,24579133	1,185742985	Fut10
17490887	5,535017	5,010578	5,625984	5,598308	5,600234	5,71062	5,3905263	5,636387333	0,245861	1,185800245	---
17391503	4,088829	4,16938	3,887124	4,301676	4,284447	4,296907	4,0484443	4,294343333	0,245899	1,185831479	---
17205167	4,180852	4,535357	4,648457	4,533442	4,7723	4,79664	4,4548887	4,700794	0,24590533	1,185836685	---
17209357	4,180852	4,535357	4,648457	4,533442	4,7723	4,79664	4,4548887	4,700794	0,24590533	1,185836685	---
17336960	6,696112	6,663275	5,503294	6,866518	7,04281	5,691319	6,2875603	6,533549	0,24598867	1,185905183	---
17234667	9,661392	9,662561	9,487015	9,686239	9,947912	9,914974	9,603656	9,849708333	0,24605233	1,185957519	Pttg1ip
17259867	6,92993	6,904528	6,70068	7,150614	7,03483	7,087938	6,845046	7,091127333	0,24608133	1,185981358	---
17202667	6,795987	6,551173	6,858633	7,154536	7,05429	6,735281	6,7352643	6,981369	0,24610467	1,18600054	---
17333651	4,685368	4,561761	4,344571	4,295858	5,437894	4,596344	4,5305667	4,776698667	0,246132	1,18602301	Zfp97
17203241	2,876749	3,672635	3,148211	3,788992	3,699733	2,948042	3,2325317	3,478922333	0,24639067	1,186235676	---
17501919	5,788019	5,951588	5,709298	5,917347	6,364115	5,906662	5,8163017	6,062708	0,24640633	1,186248558	Comp
17256784	7,170306	7,255923	6,996244	7,166033	7,526407	7,469305	7,1408243	7,387248333	0,246424	1,186263084	Tmem106a
17532718	3,469574	3,453524	3,547349	3,589967	3,892227	3,727741	3,490149	3,736645	0,246496	1,186322288	Gm5925
17208373	5,792424	5,667492	5,60714	6,237675	5,879065	5,690081	5,6890187	5,935607	0,24658833	1,186398216	---
17487515	6,463759	6,30811	5,82012	6,335059	6,56003	6,436794	6,1973297	6,443961	0,24663133	1,186433577	Vmn1r117
17487609	6,463759	6,30811	5,82012	6,335059	6,56003	6,436794	6,1973297	6,443961	0,24663133	1,186433577	Vmn1r117
17204243	5,845369	5,545652	5,818577	5,700381	6,131574	6,117641	5,7365327	5,983198667	0,246666	1,186462087	---
17212087	5,082191	5,457972	5,6152	5,507405	5,69377	5,694499	5,385121	5,631891333	0,24677033	1,186547893	Npas2
17203793	7,328465	6,679382	7,152432	7,666922	6,718344	7,515361	7,0534263	7,300209	0,24678267	1,186558036	---
17200917	5,618101	3,667338	5,216749	5,310439	4,904317	5,02809	4,8340627	5,080948667	0,246886	1,186643027	---
17385073	6,885284	6,988563	7,11066	7,365631	7,104943	7,254677	6,9948357	7,241750333	0,24691467	1,186666606	Rbm43
17204475	4,476507	4,930609	5,313772	5,069165	5,274373	5,118164	4,9069627	5,153900667	0,246938	1,186685799	---
17264418	6,216429	6,261092	6,56364	6,493435	6,783034	6,505847	6,3470537	6,594105333	0,24705167	1,186779299	---
17330218	5,411064	5,871983	5,32226	5,799461	5,82471	5,722445	5,5351023	5,782205333	0,247103	1,186821527	Slc15a2
17336013	8,145556	8,306989	8,236795	8,500028	8,255174	8,67555	8,22978	8,476917333	0,24713733	1,186849771	Cyp4f15
17358690	10,26164	10,15771	9,791753	10,19384	10,21278	10,54625	10,070368	10,31762333	0,24725567	1,186947123	Papss2
17242006	5,206312	4,74034	5,307231	5,255473	5,457135	5,283393	5,0846277	5,332000333	0,24737267	1,187043387	Slc5a4b
17282760	5,567253	5,423713	5,588447	5,799464	5,727302	5,794902	5,526471	5,773889333	0,24741833	1,187080962	Angel1
17206767	6,05911	6,790582	6,96102	7,04716	6,526515	6,979436	6,6035707	6,851037	0,24746633	1,187120458	---
17248491	5,745009	5,851999	5,685346	6,011825	6,107589	5,905568	5,7607847	6,008327333	0,24754267	1,18718327	---
17315390	6,97733	6,403082	6,541763	6,679787	6,921193	7,063877	6,640725	6,888285667	0,24756067	1,187198082	---
17206987	4,222812	4,685052	4,482556	4,985185	4,72613	4,42194	4,4634733	4,711085	0,24761167	1,187240051	---
17293547	5,26535	5,216112	5,681215	5,707783	5,288554	5,909185	5,387559	5,635174	0,247615	1,187242794	Fbp2
17458041	3,108237	3,480812	3,441125	3,786516	3,543415	3,443112	3,3433913	3,591014333	0,247623	1,187249378	---
17538765	8,097269	8,481215	7,608724	8,167527	8,427404	8,335488	8,0624027	8,310139667	0,247737	1,187343196	---
17351204	7,456762	7,104235	7,214827	7,463507	7,679199	7,376447	7,258608	7,506384333	0,24777633	1,187375568	Napg
17481175	5,017674	4,463125	4,586069	5,064017	5,09691	4,649282	4,688956	4,936736333	0,24778033	1,18737886	Olfr592
17487102	4,149248	4,097832	3,834802	3,912289	4,564158	4,348864	4,027294	4,275103667	0,24780967	1,187403003	---
17330486	7,457239	7,505473	7,331486	7,632813	7,742881	7,662057	7,4313993	7,679250333	0,247851	1,187437023	Qtrtd1
17200739	5,279545	5,849306	5,508255	6,404159	5,310924	5,665718	5,545702	5,793600333	0,24789833	1,187475982	---
17315568	3,652021	3,533278	3,730947	4,017887	3,938696	3,703541	3,6387487	3,886708	0,24795933	1,187526192	Mir148b
17473639	3,871369	3,628	3,754556	4,087099	4,052585	3,858217	3,7513083	3,999300333	0,247992	1,187553081	Usp29
17506904	6,031749	6,037747	5,951739	6,221836	6,221836	6,322261	6,0070783	6,255311	0,24823267	1,187751202	BC021891
17361942	5,312183	5,367228	5,502239	5,599201	5,55429	5,772996	5,3938833	5,642162333	0,248279	1,187789348	1110014N23Rik
17203809	3,440292	4,602568	3,446681	3,768743	4,16263	4,303046	3,829847	4,078139667	0,24829267	1,1878006	---
17324259	7,516884	7,266056	7,016335	7,360015	7,646887	7,537295	7,266425	7,514732333	0,24830733	1,187812676	Map3k13
17202081	5,040432	5,207245	5,236527	5,583995	5,349523	5,295678	5,1614013	5,409732	0,24833067	1,187831887	---
17201739	5,774675	6,825712	6,36433	6,714971	6,235569	6,759224	6,3215723	6,569921333	0,248349	1,187846981	---
17201915	5,774675	6,825712	6,36433	6,714971	6,235569	6,759224	6,3215723	6,569921333	0,248349	1,187846981	---
17413671	5,140587	5,098995	5,13032	5,411233	5,271473	5,432436	5,1233007	5,371714	0,24841333	1,187899952	---
17497783	4,094545	3,768811	3,861087	4,079536	4,449196	3,940968	3,9081477	4,156566667	0,248419	1,187904618	---
17408088	4,205873	4,360159	4,093404	4,6258	4,194444	4,584576	4,219812	4,468273333	0,24846133	1,187939475	---
17295005	6,315581	6,169511	6,201327	6,631626	6,541886	6,258341	6,2288063	6,477284333	0,248478	1,187953199	Bhmt
17270609	3,706769	3,875728	4,145951	4,422035	4,091325	3,960556	3,9094827	4,157972	0,24848933	1,187962531	---
17239023	7,548471	7,368379	7,442563	7,661043	7,774526	7,669379	7,4531377	7,701649333	0,24851167	1,187980921	Cnksr3
17500391	7,138594	6,886089	6,749748	7,381052	7,118692	7,020581	6,9248103	7,173441667	0,24863133	1,188079464	Rnf122
17342991	4,368638	4,409305	4,103515	4,676021	4,742017	4,209753	4,2938193	4,542597	0,24877767	1,188199978	---
17367894	8,696933	8,563959	8,778107	9,039559	8,950449	8,795361	8,6796663	8,928456333	0,24879	1,188210136	---
17421312	8,979776	8,701376	8,603323	9,068748	9,080147	8,881987	8,7614917	9,010294	0,24880233	1,188220293	Dhrs3
17498394	4,56076	5,105798	5,191658	5,031487	5,525314	5,047865	4,9527387	5,201555333	0,24881667	1,188232099	---
17298923	4,815558	3,912569	3,437198	4,025529	4,753325	4,132936	4,0551083	4,30393	0,24882167	1,188236217	---
17449435	3,725753	3,824674	4,217285	4,128078	4,451466	3,934788	3,9225707	4,171444	0,24887333	1,188278771	---
17407829	6,157419	6,011056	6,222801	6,278834	6,39839	6,460901	6,1304253	6,379375	0,24894967	1,188341645	Adamtsl4
17544158	3,029825	3,088861	3,378512	3,475873	3,365256	3,402934	3,1657327	3,414687667	0,248955	1,188346038	---
17204841	2,784333	4,032043	3,153102	3,950938	3,226818	3,538605	3,3231593	3,572120333	0,248961	1,18835098	---
17305715	4,517059	4,337731	4,496909	4,747923	4,640726	4,710007	4,4505663	4,699552	0,24898567	1,188371298	Rubie
17428582	4,719878	4,8586	4,976878	5,178065	5,074631	5,049711	4,8517853	5,100802333	0,249017	1,188397108	1520402A15Rik
17415496	3,779376	3,576458	3,634272	3,859372	3,874958	4,003082	3,6633687	3,912470667	0,249102	1,188467128	---
17200531	5,185108	6,260851	6,133564	5,858022	6,856019	5,612956	5,859841	6,108999	0,249158	1,188513261	---
17207491	3,460157	3,289444	3,872499	3,422591	3,791023	4,155985	3,5407	3,789866333	0,24916633	1,188520126	---
17280888	6,191414	6,200495	6,268232	6,470574	6,658812	6,278285	6,220047	6,469223667	0,24917667	1,188528639	Lrrn3
17548377	6,089605	6,153702	6,13341	6,707373	6,160571	6,256313	6,1255723	6,374752333	0,24918	1,188531385	Gm19313
17305310	5,033608	4,694399	4,442083	5,157988	4,651196	5,108626	4,7233633	4,972603333	0,24924	1,188580815	Gm10377
17440042	5,985632	5,593135	5,32292	5,564282	5,8806	6,20466	5,6338957	5,883180667	0,249285	1,18861789	Btbd8
17224661	5,774633	6,136553	6,014607	6,362328	6,170072	6,141373	5,9752643	6,224591	0,24932667	1,188652219	Epha4
17393173	10,29829	10,1567	10,28036	10,53544	10,33589	10,61283	10,245117	10,49472	0,24960333	1,188880189	Pxmp4
17208557	6,37241	6,521289	6,928992	6,73402	6,73778	7,100016	6,6075637	6,857272	0,24970833	1,18896672	---
17351282	8,754458	9,137422	8,423719	9,122992	9,004473	8,937292	8,7718663	9,021585667	0,24971933	1,188975785	Nedd4l
17284396	7,967796	7,596265	7,776195	8,205978	7,82078	8,062854	7,7800853	8,029870667	0,24978533	1,189030179	---

17468612	6,982414	6,965557	6,872157	7,082139	7,267548	7,220011	6,9400427	7,189899333	0,24985667	1,189088972	Arhgap25
17464473	5,56723	5,330735	5,136679	5,577284	5,517135	5,689869	5,3448813	5,594762667	0,24988133	1,189109303	Ergic2 // Ergic2
17289439	7,302609	7,445112	7,22289	7,576447	7,665457	7,478465	7,323537	7,573456333	0,24991933	1,189140624	Mrps27
17213770	6,872798	6,387522	6,7672	6,585115	7,03196	7,160263	6,67584	6,925779333	0,24993933	1,189157109	Mtap2
17412391	5,63194	5,872871	5,734097	6,504326	5,55228	5,932205	5,7463027	5,996270333	0,24996767	1,189180463	---
17494789	4,830828	3,808909	3,997131	4,384813	4,742574	4,259402	4,2122893	4,462263	0,24997367	1,189185409	Olfr485
17297913	9,896958	9,717283	9,694853	10,00997	9,96584	10,08326	9,769698	10,01969	0,249992	1,189200521	Arf4
17400220	3,606843	3,573446	3,257012	3,782474	3,857859	3,547062	3,4791003	3,729131667	0,25003133	1,189232943	---
17316276	6,12453	5,854808	5,532962	5,914402	6,206874	6,141182	5,8374333	6,087486	0,25005267	1,189250529	---
17511296	7,414563	7,559331	7,518497	7,838771	7,776724	7,627346	7,4974637	7,747613667	0,25015	1,189330766	Wdr83
17351862	6,0936	5,853531	5,392215	5,892685	6,128645	6,068481	5,779782	6,029937	0,250155	1,189334888	Smad7
17459350	3,151274	3,411472	3,024467	3,307014	3,55388	3,476851	3,1957377	3,445915	0,25017733	1,189353299	---
17502016	6,999948	6,85572	6,945747	7,199539	7,199539	7,152891	6,933805	7,183989667	0,25018467	1,189359345	Pde4c
17380567	4,894155	5,139243	4,728263	5,060363	5,174109	5,277919	4,9205537	5,170797	0,25024333	1,189407711	Gm14322 // Gm14322
17399872	5,558023	5,396156	5,578193	6,145529	5,649075	5,488742	5,5107907	5,761115333	0,25032467	1,189474766	Sprr2e
17392722	7,886846	7,907394	7,656438	7,923952	8,105018	8,172938	7,8168927	8,067302667	0,25041	1,189545124	---
17550156	7,886846	7,907394	7,656438	7,923952	8,105018	8,172938	7,8168927	8,067302667	0,25041	1,189545124	---
17274513	4,448194	4,512884	4,547743	4,667145	4,82352	4,769593	4,5029403	4,753419333	0,250479	1,189602018	Grhl1
17202725	5,123485	4,700315	5,330163	4,833616	5,128728	5,943061	5,051321	5,301801667	0,25048067	1,189603392	---
17542450	6,370396	6,611267	6,550425	6,569004	6,933889	6,78082	6,510696	6,761237667	0,25054167	1,189653692	Arhgap4
17507924	3,484874	3,486152	3,470891	3,69376	3,575499	3,924403	3,480639	3,731220667	0,25058167	1,189686677	---
17239719	4,876445	4,862644	4,520462	5,336866	4,83638	4,838539	4,7531837	5,003928333	0,25074467	1,189821099	Eya4
17229658	11,30224	11,21904	11,14209	11,43936	11,52608	11,45024	11,221123	11,47189333	0,25077	1,189841992	Fcer1g
17260349	9,136967	9,238905	9,13558	9,444318	9,539004	9,280491	9,170484	9,421271	0,250787	1,189856013	Tmed4
17207435	5,252275	5,876075	5,829341	6,264855	5,344933	6,100615	5,6525637	5,903467667	0,250904	1,189952512	---
17203287	2,746458	2,910952	2,616471	2,860911	3,372067	2,793804	2,7579603	3,008927333	0,250967	1,190004476	---
17387817	3,790358	3,315699	3,407651	4,016122	3,698039	3,552737	3,5045693	3,755632667	0,25105333	1,190083939	Olfr1170
17357530	10,12264	10,493371	10,47778	10,63226	10,75685	10,45826	10,36471	10,61579	0,25108	1,190097688	---
17202083	5,679652	4,86759	5,918813	6,077066	5,470058	5,672386	5,488685	5,739836667	0,25115167	1,190156808	---
17267184	3,986526	3,840893	4,073043	4,046889	4,445391	4,161661	3,9668207	4,217980333	0,25115967	1,190163407	Mir5110 // Mir5110
17330058	9,367997	9,343415	9,055964	9,416263	9,575923	9,528698	9,255792	9,506961333	0,25116933	1,190171382	Pdia5
17208289	5,583346	5,373243	5,465561	5,892956	5,568215	5,714568	5,47405	5,725246333	0,25119633	1,190193656	---
17288194	7,239675	7,055869	6,956338	7,057325	7,543439	7,404992	7,0839607	7,335252	0,25129133	1,190272032	Zfp369
17493685	6,22012	6,432411	6,313275	6,679475	6,461218	6,579061	6,3219353	6,573251333	0,251316	1,190292383	Gm4980
17200765	4,174273	4,40457	3,649662	4,034649	4,97171	3,976133	4,0761683	4,327497333	0,251329	1,190303109	---
17432077	5,854417	5,863377	6,061241	6,18535	6,154265	6,193433	5,926345	6,177682667	0,25133767	1,190310259	Gm13031
17203481	5,117049	4,566895	5,245008	5,859072	5,289395	4,534602	4,9763173	5,227689667	0,25137233	1,190338861	---
17457790	8,106773	8,088463	8,176047	8,225478	8,523274	8,376926	8,123761	8,375226	0,251465	1,190415321	---
17487525	5,485778	5,347352	4,769087	5,321846	5,495267	5,539557	5,200739	5,452223333	0,25148433	1,190431274	Vmn1r-ps79
17487615	5,485778	5,347352	4,769087	5,321846	5,495267	5,539557	5,200739	5,452223333	0,25148433	1,190431274	Vmn1r-ps79
17210773	2,707577	2,645318	2,954153	2,815722	3,141979	3,103977	2,769016	3,020559333	0,25154333	1,190479959	---
17421110	9,675646	9,400463	9,122771	9,585917	9,593491	9,774109	9,3996267	9,651172333	0,25154567	1,190481884	Agmat
17412627	4,737749	4,784426	4,847183	4,774657	5,190228	5,159155	4,789786	5,041346667	0,25156067	1,190494262	Cnr1
17318407	6,789678	7,015544	6,906474	7,270745	7,152853	7,042792	6,9038987	7,155463333	0,25156467	1,190497562	Parp10
17223138	9,159359	9,098668	9,206005	9,383358	9,62726	9,208275	9,1546773	9,406297667	0,25162033	1,190543499	Pgap1
17345570	7,423215	7,303895	7,336052	7,687187	7,511957	7,618965	7,3543873	7,606036333	0,251649	1,190567155	Cnpy3
17405017	5,197926	4,493727	4,841415	5,257938	4,983885	5,046577	4,844356	5,096133333	0,25177733	1,190673066	C430002E04Rik
17530915	5,376342	5,612778	5,306158	5,423069	5,819674	5,807872	5,4317593	5,683538333	0,251779	1,190674441	Gm9917
17206465	9,110132	9,172362	9,417567	9,54355	9,551429	9,360475	9,2333537	9,485151333	0,25179767	1,190689847	---
17204641	4,130058	4,430625	4,677133	4,696148	4,091234	5,206116	4,4126053	4,664499333	0,251894	1,190769356	---
17483486	7,220644	7,678344	7,369344	7,625558	7,617155	7,781376	7,4227773	7,674696333	0,251919	1,190789991	Stx4a
17538409	3,985484	3,510097	3,634635	4,028333	3,728686	4,129068	3,710072	3,962029	0,251957	1,190821356	---
17342964	7,937642	8,072789	8,082265	8,250401	8,30737	8,290822	8,0308987	8,282864333	0,25196567	1,19082851	Stk38
17458345	6,532531	6,749888	6,481732	7,062693	6,750887	6,706485	6,5880503	6,840021667	0,25197133	1,190833187	Gimap8
17314019	4,752909	4,626044	4,863407	5,338686	4,734905	4,924694	4,7474533	4,999428333	0,251975	1,190836214	Mov10l1
17242003	5,700529	5,712111	5,629469	5,948677	5,910006	5,939435	5,680703	5,932706	0,252003	1,190859326	Gm5134
17409172	6,377916	6,232513	6,43809	6,780375	6,597259	6,426955	6,3495063	6,601529667	0,25202333	1,19087611	Gstm4
17300141	3,862863	3,086722	3,20358	3,588155	3,863503	3,457582	3,3843883	3,636413333	0,252025	1,190877486	---
17202105	5,024521	5,080086	5,195169	5,489009	5,548515	5,018351	5,0999253	5,351958333	0,252033	1,190884089	---
17468719	7,921385	7,858732	7,811504	8,101821	8,2273	8,018606	7,8638737	8,115909	0,25203533	1,190886015	Eefsec
17459903	7,923423	7,939783	7,835734	8,168736	8,135492	8,150901	7,8996467	8,151709667	0,252063	1,190908853	Dqx1
17333186	4,824169	5,099206	4,896692	4,923583	5,258883	5,393847	4,9400223	5,192104333	0,252082	1,190924537	Qk // Qk
17219478	10,94497	10,81353	10,4992	11,0127	11,17972	10,82166	10,752567	11,00469333	0,25212667	1,19096141	---
17206485	10,2064	9,953501	10,27013	10,45723	10,46979	10,25943	10,143344	10,39548333	0,25213967	1,190972141	---
17449520	9,383478	9,346746	8,68424	9,480712	9,374723	9,315577	9,1381547	9,390337333	0,25218267	1,191007639	---
17272941	5,004355	4,923384	4,990448	5,373982	5,415429	4,885776	4,972729	5,225062333	0,25233333	1,191132028	---
17200693	6,07246	6,208659	6,406707	6,848421	6,410046	6,186649	6,2292753	6,481705333	0,25243	1,191211841	---
17441396	5,822089	5,422727	5,69422	5,754629	6,185219	5,756563	5,6463453	5,898803667	0,25245833	1,191235236	Vsig10
17465234	5,502733	5,090395	5,068217	5,645481	5,532716	5,240526	5,2204483	5,472907667	0,25245933	1,191236061	---
17204383	7,471003	6,369462	6,961121	7,43898	6,858387	7,261742	6,933862	7,186369667	0,25250767	1,191275971	---
17412857	9,290742	9,271376	9,312847	9,535722	9,553179	9,543685	9,291655	9,544195333	0,25254033	1,191302945	---
17397180	4,928735	4,641171	4,984115	5,126368	5,034423	5,150909	4,8513403	5,1039	0,25255967	1,19131891	LOC626410
17205595	2,805951	3,155129	3,105055	3,150162	3,402791	3,270892	3,022045	3,274615	0,25257	1,191327443	---
17331348	2,798243	3,164302	2,78801	3,220981	3,169617	3,117682	2,9168517	3,169426667	0,252575	1,191331571	---
17416162	5,428739	5,5588	5,605538	5,631369	5,955472	5,76452	5,5310257	5,783787	0,25276133	1,191485449	Dab1
17459383	4,184041	3,436183	3,829778	4,68489	3,688425	3,835391	3,8166673	4,069568667	0,25290133	1,191601078	---
17208183	5,641434	5,773654	5,735476	6,717848	5,672373	5,519315	5,7168547	5,969845333	0,25299067	1,191674865	---
17230851	4,671079	4,50078	4,62833	4,617098	4,989557	4,952713	4,600063	4,853122667	0,25305967	1,191731861	Spata17
17263708	9,057212	9,020923	8,88862	9,304638	9,174338	9,247193	8,9889183	9,242056333	0,253138	1,19179657	Usp22
17202761	4,456987	3,253264	3,252042	4,159542	3,599449	3,962787	3,6540977	3,907259333	0,25316167	1,191816121	---
17201379	3,161396	3,240499	2,920734	3,621801	3,154968	3,305377	3,107543	3,360715333	0,25317233	1,191824932	---
17335145	5,584564	5,58221	5,861784	5,844778	6,124248	5,8192	5,676186	5,929408667	0,25322267	1,191866514	Pacsin1
17307148	4,42173	4,770541	4,653785	4,804367	5,081451	4,72004	4,615352	4,868619333	0,25326733	1,191903415	---
17288178	4,2584	3,905638	4,254779	4,473343	4,321309	4,384033	4,1396057	4,392895	0,25328933	1,191921591	4932441B19Rik
17381357	6,65843	6,786401	6,602941	7,042663	6,859408	6,905577	6,6825907	6,935882667	0,253292	1,191923794	Camk1d
17516280	4,117887	3,816293	4,03915	4,181128	4,212674	4,339481	3,99111	4,244427667	0,25331767	1,191945	Olfr150
17401535	3,894444	3,830974	3,958954	4,15035	4,199383	4,094645	3,8947907	4,148126	0,25333533	1,191959596	---
17348276	5,546241	5,453628	5,560466	5,841669	5,640443	5,838581	5,5201117	5,773564333	0,25345267	1,192056541	Fzd8
17210819	4,059426	4,220619	4,701877	4,093946	4,325238	5,323582	4,3273073	4,580922	0,25361467	1,192190404	---
17357531	9,960275	10,10725	10,58983	10,57965	10,50153	10,33709	10,219118	10,47275667	0,25363833	1,192209962	---
17370350	3,241504	3,098019	3,725206	3,824457	3,498832	3,502783	3,3549097	3,608690667	0,253781	1,192327864	Olfr350
17548256	4,774273	5,367407	4,915972	5,186034	5,215801	5,417238	5,0192173	5,273024333	0,253807	1,192349352	---
17508523	6,282242	6,267233	6,28195	6,513978	6,507194	6,571785	6,2771417	6,530985667	0,253844	1,192379932	Rab11fip1
17366828	6,893516	6,753285	6,902743	7,163241	7,095201	7,052713	6,849848	7,103718333	0,25387033	1,192401697	---
17253991	5,65794	5,268334	5,759198	5,541514	5,974512	5,931149	5,561824	5,815725	0,253901	1,192427043	Cdk5r1
17205653	6,617259	5,952706	4,889914	6,216373	6,265835	5,739622	5,8199597	6,073943333	0,25398367	1,192495372	---
17536995	2,959815	2,830795	2,993991	2,984339	3,140362	3,422064	2,9282003	3,182255	0,25405467	1,19255406	Mir374 // Mir374
17263058	4,97826	4,792893	4,579376	4,782995	5,161312	5,168425	4,7835097	5,037577333	0,25406767	1,192564806	2010001A14Rik
17508566	3,481233	4,162814	3,909333	3,956071	4,070215	4,289593	3,8511267	4,105293	0,25416633	1,192646369	---
17200463	4,587034	4,285687	4,84436	5,022282	4,028891	5,428626	4,5723603	4,826599667	0,25423933	1,192706718	---
17489431	5,773462	5,852922	5,965422	5,920556	6,248723	6,185313	5,8639353	6,118197333	0,254262	1,192725457	Fxyd3
17230034	5,188002	5,721346	4,952512	5,786068	5,440255	5,398627	5,2872867	5,54165	0,25436333	1,192809236	AI607873
17329207	5,122192	4,820209	5,091136	5,358722	5,196204	5,241899	5,011179	5,265608333	0,25442933	1,192863805	2310042E22Rik
17412563	5,242138	5,101966	4,989495	5,266331	5,349774	5,480854	5,1111997	5,365653	0,25445333	1,192883649	Gabrr2
17201783	6,412041	6,117002	6,165911	6,129168	6,878777	6,45043	6,2316513	6,486125	0,25447367	1,192900462	---
17201959	6,412041	6,117002	6,165911	6,129168	6,878777	6,45043	6,2316513	6,486125	0,25447367	1,192900462	---
17291635	5,343114	5,537849	5,790071	5,757524	5,876412	5,80052	5,5570113	5,811485333	0,254474	1,192900738	Foxq1 // Foxq1
17278779	8,248615	7,959984	8,002018	8,398726	8,363999	8,211466	8,0702057	8,324730333	0,25452467	1,192942632	---
17538822	9,034401	9,255473	8,672503	8,916442	9,634548	9,17498	8,987459	9,24199	0,254531	1,192947869	---
17238860	7,340263	7,869067	7,724442	8,002192	8,018096	7,677139	7,6445907	7,899142333	0,25455167	1,192964958	Syne1
17204783	4,326563	3,981305	4,197073	4,541202	4,194337	4,533294	4,1683137	4,422944333	0,25463067	1,193030285	---
17345293	9,284929	9,3607	9,554045	9,89042	9,437176	9,636028	9,3998913	9,654541333	0,25465	1,193046273	Vegfa
17407337	6,179527	6,016606	5,969141	6,532031	5,915326	6,482033	6,0550913	6,309796667	0,25470533	1,193092032	---
17540814	6,706002	5,798171	5,37653	6,761084	5,512502	6,3714	5,9602343	6,214995333	0,254761	1,193138069	Gm10058
17204003	3,161984	3,076982	3,081242	3,333427	3,27353	3,477691	3,106736	3,361549333	0,25481333	1,19318135	---
17229813	4,174476	4,212817	4,434062	4,437317	4,532274	4,616249	4,273785	4,528613333	0,25482833	1,193193756	Nhlh1
17416754	9,694396	9,736584	9,296055	9,696927	9,84086	9,953743	9,5756783	9,83051	0,25483167	1,193196513	---
17317195	4,699191	4,351763	4,952387	4,922164	4,947869	4,897804	4,6677803	4,922612333	0,254832	1,193196789	---
17206747	7,627322	7,386459	7,743807	8,251755	7,504479	7,765925	7,5858627	7,840719667	0,254857	1,193217465	---
17380007	4,731324	4,851515	4,556404	4,906161	4,74811	5,250069	4,713081	4,968113333	0,25503233	1,193362488	---
17201135	8,613053	9,023262	8,660562	8,58648	9,190036	9,285498	8,7656257	9,020671333	0,25504567	1,193373517	---
17203785	5,980392	5,649034	5,544645	6,235768	5,622364	6,081095	5,7246903	5,979742333	0,255052	1,193378756	---
17510717	5,464868	5,252094	5,567938	5,703284	5,712206	5,634948	5,4283	5,683479333	0,25517933	1,193484089	1700011L22Rik
17357389	7,139663	7,303172	7,1714	7,397754	7,539107	7,442978	7,204745	7,459946333	0,25520133	1,193502289	Ahnak
17302362	7,544866	7,575109	7,523059	7,881673	7,652525	7,874454	7,547678	7,802884	0,255206	1,19350615	6720463M24Rik
17413932	5,567012	5,523511	5,473586	5,880441	5,948609	5,500791	5,5213697	5,776613667	0,255244	1,193537586	Sec61b
17396662	4,47029	4,223297	4,555696	5,190105	4,49967	4,32526	4,4164277	4,671678333	0,25525067	1,193543102	Kcnmb2
17481614	3,451175	3,298925	3,447224	3,88138	3,713195	3,368535	3,399108	3,65437	0,255262	1,193552478	Olfr494
17208181	7,112922	7,112589	7,566357	7,826452	7,221933	7,509285	7,263956	7,519223333	0,25526733	1,19355689	---
17494459	3,84658	3,625808	3,352051	4,003091	3,718001	3,869433	3,6081463	3,863508333	0,255362	1,193635212	---
17494797	3,820482	3,827638	3,666814	4,011227	3,913414	4,156755	3,7716447	4,027132	0,25548733	1,193738912	Olfr490
17288616	5,587377	5,856493	5,98386	6,076931	6,136283	5,981006	5,8092433	6,06474	0,25549667	1,193746635	Tppp
17207565	6,031974	5,736751	5,266653	6,233862	5,740237	5,827886	5,6784593	5,933995	0,25553567	1,193778906	---
17400806	7,306011	6,671371	7,468854	7,63799	7,535444	7,039428	7,1487453	7,404287333	0,255542	1,193784147	---

17393483	9,14282	9,180172	9,251717	9,363449	9,563897	9,414009	9,1915697	9,447118333	0,25554867	1,193789663	Nfs1
17302562	4,469726	4,681716	4,601006	4,992558	4,835312	4,691483	4,5841493	4,839784333	0,255635	1,193861104	5430440P10Rik
17207451	4,432188	4,754606	4,355617	4,977352	4,061841	5,270136	4,514137	4,769776333	0,25563933	1,193864689	---
17246508	5,536658	5,023293	5,02705	5,464785	5,469158	5,420005	5,195667	5,451316	0,255649	1,193872689	Pisd-ps1
17202655	6,702461	6,339074	6,525282	7,13352	6,820853	6,379421	6,5222723	6,777931333	0,255659	1,193880964	---
17363626	5,865485	6,221642	6,154826	6,579476	6,28785	6,141652	6,080651	6,336326	0,255675	1,193894205	Pgm5
17274401	6,373201	6,803573	6,596779	6,738214	6,779766	7,022695	6,5911843	6,846891667	0,25570733	1,193920962	---
17458669	5,477477	5,706081	5,698104	5,537417	6,150321	5,961185	5,6272207	5,882974333	0,25575367	1,193959307	9430076C15Rik
17418255	3,282962	3,362581	3,147039	3,767894	3,009753	3,782439	3,264194	3,520028667	0,25583467	1,194026343	---
17394297	7,582933	7,583957	7,349731	7,581537	7,895169	7,807713	7,5055403	7,761473	0,25593267	1,194107454	Pltp
17200359	8,255132	8,137102	8,239305	8,406651	8,327276	8,666005	8,210513	8,466644	0,256131	1,194271625	---
17360747	6,037752	5,625771	5,910923	6,320037	6,087564	9,935385	5,8581487	6,114328667	0,25618	1,194312188	1810007D17Rik // 1810007D17Rik
17226771	7,011171	7,110212	7,037819	7,083908	7,562918	7,281283	7,0530673	7,309369667	0,25630233	1,194413464	Ikbke
17332340	4,582661	4,759124	4,364487	5,144798	4,68655	4,643916	4,5687573	4,825088	0,25633067	1,194436921	---
17256030	7,089602	7,115633	7,177887	7,353288	7,42338	7,375817	7,1277073	7,384161667	0,25645433	1,194539312	---
17450404	3,673476	3,308069	3,081503	3,764713	3,619728	3,44804	3,3543493	3,610827	0,25647767	1,194558632	Zfp951
17266978	6,988028	6,954988	6,756118	7,146429	7,224071	7,098133	6,8997113	7,156211	0,25649967	1,194576848	Dusp14
17205781	2,528048	4,112525	3,123178	3,535062	4,05874	2,939525	3,2545837	3,511109	0,25652533	1,194598101	---
17325271	4,05115	4,405101	4,201215	4,557251	4,44876	4,421374	4,2191553	4,475795	0,25663967	1,194692776	Gm10237
17268644	7,580655	8,505898	8,392982	8,151915	8,413462	8,684354	8,159845	8,416577	0,256732	1,19476924	---
17202889	5,733209	5,108275	5,512448	5,343695	6,200655	5,579809	5,4513107	5,708053	0,25674233	1,194777797	---
17535808	9,463094	9,512278	9,509166	9,904937	9,701697	9,648344	9,494846	9,751659333	0,25681333	1,194836598	Gdi1
17504495	4,970647	4,042852	4,477089	5,015357	4,679096	4,566633	4,4968627	4,753695333	0,25683267	1,19485261	Ces2b // Ces2b
17307354	8,257236	8,117224	8,114123	8,475992	8,452557	8,330765	8,162861	8,419771333	0,25691033	1,194916936	Atp8a2
17417697	5,506968	5,374433	5,674934	5,827441	5,493386	6,006796	5,5187783	5,775874333	0,257096	1,195070725	---
17440054	6,193429	5,942482	5,777153	6,102209	6,510093	6,072089	5,9710213	6,228130333	0,257109	1,195081493	A830010M20Rik
17510665	4,722474	4,253443	4,467915	5,001047	4,398188	4,815999	4,4812773	4,738411333	0,257134	1,195102203	---
17390626	7,188846	7,449751	7,132946	7,533504	7,623893	7,385567	7,257181	7,514321333	0,25714033	1,195107449	Mfap1b // Mfap1a
17332568	7,47633	7,19721	7,045611	7,318925	7,603912	7,567779	7,239717	7,496872	0,257155	1,195119599	Tmprss2
17269301	4,380468	4,755481	4,652201	5,072921	4,706184	4,780714	4,59605	4,853273	0,257223	1,195175931	Krt31
17293675	8,71201	8,329925	8,465375	8,650578	8,889858	8,738568	8,5024367	8,759668	0,25723133	1,195182835	Cdc14b
17203297	5,595263	6,669068	6,016782	6,248848	6,235871	6,568304	6,0937043	6,351007667	0,25730333	1,195242484	---
17206299	6,810167	6,802299	5,824389	7,324062	5,874976	7,009819	6,4789517	6,736285667	0,257334	1,195267891	---
17208231	6,161784	6,392176	6,059655	6,224123	6,426905	6,734735	6,2045383	6,461921	0,25738267	1,195308212	---
17298155	8,120232	7,917539	7,775361	8,222699	8,136248	8,226385	7,9377107	8,195110667	0,2574	1,195322573	Chdh
17202019	3,178527	5,061326	3,849867	4,009337	4,766544	4,086115	4,0299067	4,287332	0,25742533	1,195343562	---
17226750	4,360872	4,084707	4,189105	4,566708	4,464326	4,375928	4,2115613	4,468987333	0,257426	1,195344115	---
17474266	6,718614	7,080351	6,351876	6,694283	6,790598	7,438406	6,716947	6,974429	0,257482	1,195390514	---
17255440	4,460255	4,51053	4,780996	4,734534	4,760435	5,029384	4,583927	4,841451	0,257524	1,195425315	---
17507788	5,835272	5,310798	5,882329	6,261536	5,611327	5,928163	5,676133	5,933675333	0,25754233	1,195440507	---
17516462	6,097666	6,136532	6,298475	6,563438	6,473652	6,268415	6,1775577	6,435168333	0,25761067	1,19549713	Thy1
17384175	5,758152	5,435662	6,173804	6,304203	6,232998	5,603342	5,789206	6,046847667	0,25764167	1,195522819	---
17347236	4,703629	4,99973	5,047357	5,269545	5,228149	5,026167	4,9169053	5,174620333	0,257715	1,19558359	Nlrc4
17347355	8,135633	8,428021	7,808777	8,609594	8,322474	8,21365	8,1241437	8,381906	0,25776233	1,195622816	Eif2ak2
17206997	6,344671	5,628715	6,436159	6,718478	6,381914	6,082502	6,136515	6,394298	0,257783	1,195639944	---
17235065	5,705687	5,49233	5,689856	5,765656	6,04424	5,851645	5,629291	5,887180333	0,25788933	1,195728071	Grin3b
17250117	5,635657	5,465932	5,677307	6,146873	5,611708	5,793984	5,5929653	5,850855	0,25788967	1,195728347	---
17415353	5,659653	5,170808	5,066967	5,545057	5,681625	5,444452	5,2991427	5,557044667	0,257902	1,195738569	Gm13288
17472404	4,452208	3,737434	4,417225	5,15736	4,36171	3,861505	4,202289	4,460191667	0,25790267	1,195739122	---
17460589	10,14362	10,42471	10,38696	10,49554	10,87768	10,35629	10,31843	10,57650333	0,25807333	1,195880583	---
17204495	3,243504	3,090968	3,201635	3,479401	3,184227	3,646819	3,1787023	3,436815667	0,25811333	1,19591374	---
17458682	6,259772	6,164947	6,485008	6,511665	6,584004	6,588418	6,3032423	6,561362333	0,25812	1,195919266	Creb5
17519058	4,018985	4,254227	4,394135	4,40275	4,435669	4,603289	4,222449	4,480569333	0,25812033	1,195919543	---
17462231	6,825345	6,700714	6,609344	6,869551	7,058375	6,981877	6,711801	6,969934333	0,25813333	1,195930319	Dcp1b
17200481	4,902312	5,434828	5,60864	5,491169	6,163489	5,065665	5,31526	5,573441	0,258181	1,195969833	---
17459826	6,469232	6,698518	6,442165	6,823033	6,776106	6,785497	6,5366383	6,794878667	0,25824033	1,196019021	Fam176a
17202979	7,73824	8,740417	8,412309	8,801509	8,26063	8,603707	8,2969887	8,555282	0,25829333	1,196062959	---
17354029	3,843348	3,691621	3,651848	4,000248	4,051832	3,909623	3,728939	3,987234333	0,25829533	1,196064617	Plac8l1
17355113	6,142958	6,015886	5,874558	6,503719	6,195475	6,109175	6,011134	6,269456333	0,25832233	1,196087002	Ccbe1
17288294	6,59903	6,239074	6,347405	6,79968	6,620582	6,540273	6,3951697	6,653511667	0,258342	1,196103307	Zfp759
17201825	7,528856	8,298494	8,679858	8,477846	8,364384	8,44017	8,1690693	8,427466667	0,25839733	1,196149183	---
17210357	6,491419	6,532495	7,129284	6,938788	7,008731	6,980961	6,7177327	6,97616	0,25842733	1,196174057	---
17367898	9,145015	9,174662	9,433632	9,577011	9,720009	9,231604	9,251103	9,509541333	0,25843833	1,196183177	---
17285065	4,451391	4,192119	4,624969	4,540259	4,777884	4,726164	4,4228263	4,681435667	0,25860933	1,196324967	---
17204401	4,805757	4,039062	3,938171	4,37057	5,043596	4,144855	4,2609967	4,519673667	0,258677	1,19638108	---
17288321	4,641023	4,512697	4,52346	4,983821	4,505664	4,963769	4,55906	4,817751333	0,25869133	1,196392966	Zfp456
17200761	3,686085	3,683883	3,198304	3,712801	4,135305	3,496317	3,5227573	3,781474333	0,258717	1,196414251	---
17208577	5,156157	5,304767	4,79054	5,691885	5,593768	4,742047	5,0838213	5,342566667	0,25874533	1,196437748	---
17207637	6,749925	6,347662	5,92318	6,498202	6,467989	6,830983	6,3402557	6,599058	0,25880233	1,196485019	---
17323297	5,729603	6,335096	5,907051	6,083602	6,494882	6,169789	5,9905833	6,249424333	0,258841	1,196517087	Cebpd
17206653	4,896083	6,094276	4,725811	6,152404	4,700902	5,639495	5,2387233	5,497600333	0,258877	1,196546945	---
17360916	5,976752	5,594213	5,874197	6,227856	6,152292	5,842111	5,815054	6,074086333	0,25903233	1,196675783	1700030N03Rik
17393906	3,768785	3,812248	3,975184	4,14861	4,087015	4,097705	3,8520723	4,11111	0,25903767	1,196680206	---
17210431	5,829429	5,963564	6,176633	6,364288	5,964369	6,418513	5,9898753	6,249056667	0,25918133	1,19679938	---
17373825	10,91498	10,96962	10,8547	11,14806	11,07404	11,29476	10,9131	11,17228667	0,25918667	1,196803805	Cd59a
17207847	4,104928	4,274282	4,508316	4,684072	4,755929	4,225261	4,295842	4,555087333	0,25924533	1,196852473	---
17364968	6,464597	6,618694	6,593497	6,633524	7,050696	6,77056	6,5589293	6,81826	0,25933067	1,196923267	Dnmbp
17248082	6,264771	6,238474	6,977449	7,113959	6,659579	6,485168	6,4935647	6,752902	0,25933733	1,196928798	---
17200375	7,038847	6,279963	6,709265	7,10569	6,844808	6,855593	6,676025	6,935363667	0,25933867	1,196929905	---
17260916	11,3399	11,38212	11,15067	11,5184	11,52211	11,61024	11,290897	11,55025	0,25935333	1,196942073	Ugp2
17205743	10,22463	10,8854	10,65182	10,66091	10,79023	11,08908	10,587283	10,84674	0,25945667	1,197027807	---
17204409	3,579176	4,578957	3,324805	4,643801	3,852735	3,764932	3,827646	4,087156	0,25951	1,197072059	---
17209091	3,844632	3,186657	3,57287	3,552864	4,461677	3,368205	3,5347197	3,794248667	0,259529	1,197087825	---
17460785	8,824986	8,886779	8,951106	9,233237	9,078032	9,131088	8,8876237	9,147452333	0,25982867	1,197336501	Uroc1
17208169	6,46216	6,744605	7,100016	6,917135	7,264124	6,905148	6,768927	7,028802333	0,25987533	1,197375232	---
17406088	5,901409	6,007319	6,238721	6,599325	6,098719	6,229448	6,0491497	6,309164	0,26001433	1,197490602	---
17548883	3,516037	3,355652	3,501402	3,944706	3,516037	3,692437	3,457697	3,717726667	0,26002967	1,197503329	Gm15104
17284405	6,558641	6,335925	6,030012	6,795361	6,360566	6,548893	6,3081927	6,568273333	0,26008067	1,197545662	---
17466441	5,954326	6,067847	6,00065	6,239431	6,169003	6,394728	6,0076077	6,267720667	0,260113	1,197572502	Fam115c
17202281	8,046565	8,213698	8,329155	8,613353	8,3818	8,374687	8,1964727	8,456613333	0,26014067	1,197595468	---
17205775	5,865947	6,375398	6,48659	6,980688	6,50191	6,02593	6,242645	6,502842667	0,26019767	1,197642785	---
17475447	4,012213	3,917599	4,265883	4,206569	4,416619	4,353155	4,0652317	4,325447667	0,260216	1,197658004	Cyp2b19
17260616	6,430239	6,471177	6,581902	6,853877	6,770734	6,639444	6,4944393	6,754685	0,26024567	1,197682632	---
17479548	8,787044	9,087754	8,477665	9,137692	8,748286	9,247509	8,7841543	9,044495667	0,26034133	1,197762055	Vps33b
17215029	8,764707	8,291655	8,714923	8,882673	8,80377	8,865932	8,5904283	8,850791667	0,26036333	1,19778032	2810459M11Rik
17278647	8,139973	8,010437	8,064621	8,2241	8,308849	8,463278	8,071677	8,332075667	0,26039867	1,197809655	Dlk1
17501078	3,624543	3,643803	3,6109	3,777366	4,056251	3,826868	3,6264153	3,886828333	0,260413	1,197821556	---
17524049	4,931709	4,841388	5,138082	4,939417	5,416849	5,336401	4,970393	5,230889	0,260496	1,19789047	Piwil4
17376883	4,75445	4,415421	4,610499	4,789323	4,952073	4,820488	4,5934567	4,853961333	0,26050467	1,197897666	---
17429301	5,389067	5,449792	5,95864	5,876088	6,001129	5,702009	5,5991663	5,859742	0,26057567	1,19795662	Gm12866
17541901	8,87748	8,729547	8,796289	9,123318	9,058086	9,003664	8,8011053	9,061689333	0,260584	1,19796354	Rbmx
17483033	6,961728	6,955667	6,918276	6,918863	7,360302	7,33849	6,9452237	7,205885	0,26066133	1,198027756	Tufm
17375454	5,949603	5,344382	6,048823	6,135823	6,030837	5,958137	5,780936	6,041599	0,260663	1,19802914	Slc28a2
17406679	6,174996	6,062977	6,003999	6,347846	6,50533	6,170814	6,0806573	6,34133	0,26067267	1,198037168	Gm19451
17424592	3,571618	3,631822	3,63998	3,721285	3,944892	3,959315	3,6144733	3,875164	0,26069067	1,198052115	---
17286249	3,399764	3,305954	3,386434	3,678689	3,640235	3,555617	3,3640507	3,624847	0,26079633	1,198139867	---
17207845	3,596883	3,736192	3,770666	3,709105	4,317572	3,859523	3,701247	3,962066667	0,26081967	1,198159245	---
17376084	5,856119	5,611583	5,747168	6,037966	6,026959	5,932474	5,73829	5,999133	0,260843	1,198178624	Ttl
17548213	9,518601	9,56348	9,269488	9,751905	9,53317	9,849115	9,450523	9,711396667	0,26087367	1,198204093	Gm2573 // Gm13770 // BC056474 // Gn
17234004	4,434589	4,502484	4,470413	4,864617	4,809299	4,516408	4,469162	4,730108	0,260946	1,19826417	---
17209779	3,785106	4,110831	4,315957	4,842741	4,185081	3,967002	4,0706313	4,331608	0,26097667	1,198289641	---
17526657	4,630725	5,031055	4,857184	4,723577	5,297611	5,280739	4,8396547	5,100642333	0,26098767	1,198298777	---
17547992	5,026217	4,789829	4,707332	5,162374	5,042435	5,101636	4,841126	5,102148333	0,26102233	1,198327572	Gm20026
17548920	4,943341	4,963286	5,131425	5,199446	5,380293	5,241494	5,012684	5,273744333	0,26106033	1,198359136	Gm19552
17370437	4,41245	4,824759	4,404429	4,628312	4,669075	5,127447	4,5472127	4,808278	0,26106533	1,198363289	---
17238654	4,53299	4,432337	4,504804	4,89321	4,653493	4,706694	4,4900437	4,751132333	0,26108867	1,198382671	Olfr782
17505124	5,998678	6,256852	6,147232	6,337137	6,486495	6,362598	6,134254	6,39541	0,261156	1,198438603	Cdh3
17370040	5,844668	5,748332	5,879043	6,055297	5,736083	6,464217	5,8240143	6,085199	0,26118467	1,198462416	---
17500427	5,419132	5,116395	5,074861	5,426279	5,643906	5,323895	5,2034627	5,464693333	0,26123067	1,198500629	7420700N18Rik
17437241	5,272407	5,150641	5,45788	5,440594	5,700761	5,523454	5,2936427	5,554936333	0,26129367	1,198552967	Clrn2
17209585	2,762092	2,757939	2,615748	2,757054	3,265894	2,896879	2,7119263	2,973275667	0,26134933	1,198599214	---
17201723	5,168262	5,472242	5,875362	6,228496	5,646402	5,425058	5,5052887	5,766652	0,26136333	1,198610846	---
17201899	5,168262	5,472242	5,875362	6,228496	5,646402	5,425058	5,5052887	5,766652	0,26136333	1,198610846	---
17550494	5,974168	5,659523	5,699725	6,014935	6,298947	5,804348	5,7778053	6,03941	0,26160467	1,198811365	---
17206271	6,324946	5,179401	6,064073	6,53623	5,692893	6,124222	5,85614	6,117781667	0,26164167	1,198842111	---
17210203	2,746783	3,16802	2,736634	3,453916	2,929123	3,053569	2,8838123	3,145536	0,26172367	1,198910253	---
17380572	4,561243	4,943731	5,026111	5,15588	5,120664	5,039834	4,843695	5,105459333	0,26176433	1,198944048	Gm14327
17505687	6,164893	6,970918	6,235765	6,70533	6,804667	6,646877	6,457192	6,718958	0,261766	1,198945433	---
17498122	5,109285	5,077681	5,104672	5,327881	5,398634	5,350455	5,0972127	5,35899	0,26177733	1,198954852	Nctc1
17368546	6,046938	5,991665	5,929109	6,266499	6,478162	6,008436	5,9892373	6,251032333	0,261795	1,198969534	---
17204723	5,025477	4,644992	4,442311	4,974035	4,652488	5,271646	4,70426	4,966056333	0,26179633	1,198970642	---
17547909	6,066986	6,434329	6,42461	6,908806	6,37111	6,431565	6,3086417	6,570493667	0,261852	1,199016905	Gm19551
17203699	7,435258	6,954014	7,368587	7,706204	7,031326	7,805932	7,2526197	7,514487333	0,26186767	1,199029926	---
17532284	4,232118	4,001875	4,315493	4,365173	4,610353	4,359725	4,183162	4,445083667	0,26192167	1,199074806	4930593C16Rik

17305272	7,217287	6,78907	6,070145	7,181014	6,695238	6,986352	6,6921673	6,954201333	0,262034	1,199168174	---
17423066	8,802973	8,688647	8,762161	9,01866	9,045151	8,976184	8,7512603	9,013331667	0,26207133	1,199199206	Nsmaf
17239872	3,426364	3,368342	3,398992	3,661295	3,227694	4,090958	3,3978993	3,659982333	0,262083	1,199208904	---
17504661	9,174525	9,06485	9,132273	9,483689	9,37733	9,297092	9,1238827	9,386037	0,26215433	1,1992682	D230025D16Rik
17200709	5,894603	5,987246	6,105711	6,129331	6,290796	6,353977	5,9958533	6,258034667	0,26218133	1,199290644	---
17414348	6,274697	6,377244	6,126135	6,54205	6,618416	6,404389	6,2593587	6,521618333	0,26225967	1,199355763	---
17246038	8,483561	8,696301	8,59715	8,867433	8,849065	8,847309	8,5923373	8,854602333	0,262265	1,199360197	Gpr182
17351482	5,167424	5,260448	5,004688	5,412984	5,386394	5,420051	5,1441867	5,406476333	0,26228967	1,199380703	Gm17669
17540434	3,185894	3,128944	3,111863	3,236116	3,535327	3,442362	3,1422337	3,404601667	0,262368	1,199445827	---
17201585	3,37173	3,544584	3,637059	3,891866	3,897593	3,551237	3,517791	3,780232	0,262441	1,19950652	---
17548763	6,226228	6,251326	6,019597	6,506539	6,250817	6,5273	6,165717	6,428218667	0,26250167	1,199556962	Gm19279
17512153	7,281024	7,304045	7,655984	7,663056	7,497864	7,867779	7,4136843	7,676233	0,26254867	1,199596042	Cdh11
17207239	6,745678	7,330165	7,625354	7,136456	7,787647	7,564887	7,2337323	7,49633	0,26259767	1,199636786	---
17237298	4,440487	4,231126	4,388244	4,689534	4,626728	4,531501	4,3532857	4,615921	0,26263533	1,199668107	Glipr1l1
17351262	6,173324	6,080124	6,036809	6,535862	6,200049	6,342361	6,0967523	6,359424	0,26267167	1,19969832	St8sia3
17204531	6,707191	7,187057	6,663107	7,506074	6,898211	6,94118	6,8524517	7,115155	0,26270333	1,199724653	---
17548182	7,066929	7,491343	7,247805	7,386421	7,470497	7,737502	7,2686923	7,531473333	0,262781	1,199789241	LOC100862033
17470175	5,202935	5,664312	5,268301	5,564859	5,678308	5,681089	5,378516	5,641418667	0,26290267	1,199890427	Zfp248
17329258	7,280252	7,408441	7,229222	7,636924	7,555324	7,514398	7,3059717	7,568882	0,26291033	1,199896804	Igf2bp2
17206477	8,172584	8,578632	8,343534	8,676208	8,671978	8,535342	8,3649167	8,627842667	0,262926	1,199909834	---
17210451	4,439587	4,52396	4,948336	5,237734	4,661734	4,801274	4,6372943	4,900247333	0,262953	1,19993229	---
17209771	8,00807	7,708082	8,206604	8,499268	8,162575	8,049784	7,974252	8,237209	0,262957	1,199935617	---
17307280	7,56835	7,621154	7,180743	7,961366	7,706933	7,491354	7,456749	7,719884333	0,26313533	1,200083952	Gm4902
17357940	3,266244	3,107134	3,109269	3,584674	3,5513	3,136095	3,1608823	3,424023	0,26314067	1,200088389	Olfr1495
17268227	6,563346	6,708059	6,806091	6,81608	7,02355	7,027439	6,6924987	6,955689667	0,263191	1,200130258	Abi3
17476565	5,164008	5,609405	5,492114	6,080225	5,570696	5,404253	5,4218423	5,685058	0,26321567	1,200150778	---
17397746	3,635104	3,664252	3,380325	3,976533	3,90366	3,589302	3,5598937	3,823165	0,26327133	1,200197087	---
17508170	8,31472	8,006361	8,308049	8,493139	8,5105	8,41537	8,20971	8,473003	0,263293	1,200215112	1810011O10Rik
17284667	5,031847	4,408934	5,125506	5,355909	4,799779	5,200561	4,855429	5,118749667	0,26332067	1,200238129	---
17367448	6,013815	6,196555	6,49672	6,648584	6,304394	6,544127	6,2356967	6,499035	0,26333833	1,200252826	Thnsl1
17322484	5,769187	4,525175	5,388138	5,422611	5,362414	5,687582	5,2275	5,490869	0,263369	1,20027834	---
17391451	6,513415	6,967957	7,14318	6,803337	7,631942	6,979436	6,8748507	7,138238333	0,26338767	1,20029387	---
17428032	8,483098	8,495403	8,272886	8,431847	8,98226	8,627516	8,417129	8,680541	0,263412	1,200314115	Zyg11b
17332891	4,218474	3,737434	3,787482	4,530872	4,007984	3,994832	3,9144633	4,177896	0,26343267	1,20033131	---
17233342	4,801492	5,259459	5,178732	5,293442	5,350646	5,386247	5,0798943	5,343445	0,26355067	1,200429491	Msl3l2
17546778	3,753702	3,634059	3,573941	4,110265	3,782352	3,859916	3,6539007	3,917511	0,26361033	1,200479139	Zfy1
17536922	4,117079	3,936864	4,433602	4,701252	4,440434	4,136808	4,162515	4,426164667	0,26364967	1,200511869	Gm5166
17489871	4,022268	4,138397	4,232728	4,387043	4,557122	4,240219	4,131131	4,394794667	0,26366367	1,200523519	---
17367137	4,625103	4,426172	4,924202	4,809168	5,309909	4,647401	4,6584923	4,922159333	0,263667	1,200526292	Mir511
17204239	3,259382	3,90191	3,867748	3,9804	3,874702	3,965112	3,6763467	3,940071333	0,26372467	1,20057428	---
17201833	6,098361	6,073466	5,737444	6,47304	5,886137	6,341368	5,969757	6,233515	0,263758	1,20060202	---
17426700	6,958463	6,940811	6,596258	7,039664	7,176982	7,070405	6,831844	7,095683667	0,26383967	1,200669984	Mpdz
17331235	3,146192	2,888689	3,051033	3,755683	3,060686	3,061185	3,028638	3,292518	0,26388	1,200703552	Olfr181
17329038	3,914613	3,577565	3,935775	4,211372	4,038529	3,96974	3,8093177	4,073213667	0,263896	1,200716868	Olfr169
17448801	8,079601	8,198143	6,987038	7,057325	8,506559	8,492608	7,7549273	8,018830667	0,26390333	1,200722971	---
17332120	4,09946	4,621604	4,224399	4,151794	4,714225	4,871523	4,3151543	4,579180667	0,26402633	1,200825346	---
17411277	4,409883	4,227408	4,393038	4,508378	4,86128	4,45281	4,343443	4,607489333	0,26404633	1,200841993	Msh4
17419651	5,315158	5,416863	5,225966	5,404283	5,582244	5,763886	5,319329	5,583471	0,264142	1,200921625	---
17288145	7,691314	7,697689	7,662916	7,740921	8,002796	8,10066	7,683973	7,948125667	0,26415267	1,200930504	Habp4
17298654	3,652483	3,980369	3,192233	4,109711	3,837281	3,670584	3,6083617	3,872525333	0,26416367	1,20093966	---
17387864	4,071557	3,788274	3,908762	4,237337	4,472406	3,851386	3,9228643	4,187043	0,26417867	1,200952147	Olfr1211
17204493	4,999477	4,958873	4,977196	5,411061	5,260736	5,056355	4,9785153	5,242717333	0,264202	1,200971571	---
17375127	5,320316	5,290275	5,825185	5,938711	5,702297	5,587516	5,478592	5,742841333	0,26424933	1,201010974	Stard9
17523474	7,280369	7,261477	7,17438	7,514311	7,495929	7,498791	7,238742	7,503010333	0,26426833	1,201026791	Zfp167
17209555	6,605214	6,392255	5,705374	6,452297	6,606378	6,437224	6,234281	6,498633	0,264352	1,201096445	---
17202121	5,03363	5,10618	5,791787	5,467486	5,339942	5,917318	5,3105323	5,574915333	0,264383	1,201122254	---
17533896	6,699117	5,753611	5,37152	6,753084	5,504502	6,359833	5,941416	6,205806333	0,26439033	1,201128359	Gm10058
17449533	11,46094	11,64873	11,54163	11,82282	11,8327	11,78951	11,550433	11,81501	0,26457667	1,201283502	---
17504616	3,104478	3,785203	3,589382	3,730736	3,896501	3,645928	3,493021	3,757721667	0,26470067	1,201386757	Ces3b
17269424	6,317887	6,250162	6,518966	6,395696	6,779555	6,706495	6,3623383	6,627248667	0,26491033	1,201561368	Krt42
17207609	5,829944	6,42217	5,367648	6,169143	5,977416	6,268198	5,873254	6,138252333	0,26499833	1,201634661	---
17375360	7,58508	7,471672	7,380933	7,736581	7,57698	7,919218	7,4792283	7,744259667	0,26503133	1,201662148	Eif3j
17493074	3,317131	2,99321	3,228791	3,281735	3,634167	3,418363	3,1797107	3,444755	0,26504433	1,201672976	Vmn2r70
17532433	4,490446	4,703724	4,822291	4,876215	5,073706	4,86205	4,6721537	4,937323667	0,26517	1,201777653	---
17264090	4,730941	4,716088	5,009826	5,056834	5,16771	5,027906	4,8189517	5,08415	0,26519833	1,201801255	---
17477362	6,332544	6,677616	6,250966	6,424474	6,598145	7,034207	6,4203753	6,685608667	0,26523333	1,201830411	Klk1b24
17280836	4,502494	4,153318	4,169422	4,450681	4,74412	4,426515	4,275078	4,540438667	0,26536067	1,20193649	Gm889
17524587	4,857246	5,040536	5,41017	5,303488	5,305248	5,495341	5,1026507	5,368025667	0,265375	1,201948432	Icam5 // Icam5
17481365	4,55028	4,283044	4,496223	4,71624	4,768767	4,640691	4,4431823	4,708566	0,26538367	1,201955652	Fam160a2 // Fam160a2
17400162	9,746962	9,641302	9,782143	10,06188	9,973057	9,931632	9,723469	9,988856333	0,26538733	1,201958707	Selenbp1
17211129	2,978026	2,850176	2,941997	3,062216	3,286039	3,218516	2,9233997	3,188923667	0,265524	1,202072574	---
17366772	3,49127	3,429861	3,565147	4,030405	3,556806	3,695996	3,495426	3,761069	0,265643	1,20217173	Mir467a-3
17526707	7,831642	7,724025	7,687807	8,016984	8,237954	7,785748	7,7478247	8,013562	0,26573733	1,202250339	Zbtb16
17519649	10,13071	9,891562	9,997211	10,07576	10,34954	10,39153	10,006494	10,27227667	0,26578233	1,20228784	Gsta4
17536078	5,899067	5,785557	5,746165	6,117253	6,000771	6,110179	5,810263	6,076067667	0,26580467	1,202306452	Dmd
17320842	3,220059	3,075072	3,386898	3,422172	3,891521	3,16577	3,227343	3,493154333	0,26581133	1,202312008	---
17441331	6,003545	5,859921	5,755737	6,171414	6,048852	6,196432	5,8730677	6,138899333	0,26583167	1,202328953	---
17272587	5,459147	5,296285	5,106638	5,705145	5,553816	5,40064	5,2873567	5,553200333	0,26584367	1,202338954	---
17206897	3,223801	3,67013	3,344142	3,583896	3,672551	3,779262	3,412691	3,678569667	0,26587867	1,202368123	---
17209505	4,29934	4,417458	4,143551	4,769403	4,013201	4,875558	4,286783	4,552720667	0,26593767	1,202417296	---
17210151	4,798501	4,684827	5,210957	5,358701	4,717071	5,416468	4,898095	5,16408	0,265985	1,202456747	---
17202471	6,174057	6,354151	5,900833	7,039126	6,038405	6,149507	6,1430137	6,409012667	0,265999	1,202468415	---
17321489	5,618964	6,244891	5,504925	5,595315	6,399663	6,17193	5,7895933	6,055636	0,26604267	1,202504812	---
17408640	6,308667	5,88097	6,212439	6,324242	6,264506	6,611514	6,1340253	6,400087333	0,266062	1,202520926	---
17533956	6,521832	6,330317	6,295313	6,940319	6,557891	6,447761	6,3824873	6,648657	0,26616967	1,202610672	Gm14354
17208839	6,538916	6,319138	6,02708	6,530206	6,342076	6,811451	6,2950447	6,561244333	0,26619967	1,20263568	---
17270111	6,476089	6,91315	6,554924	7,471852	5,974602	7,296351	6,6480543	6,914268333	0,266214	1,202647629	---
17534781	4,917097	4,297537	3,94582	5,007345	4,296421	4,655458	4,386818	4,653074667	0,26625667	1,202683197	Gm16405
17437231	4,129966	4,420417	4,434136	4,743236	4,450437	4,589756	4,328173	4,594476333	0,26630333	1,2027221	4930431F12Rik // 4930431F12Rik
17451924	3,100595	2,825477	3,023823	3,047255	3,464267	3,237289	2,9832983	3,249603667	0,26630533	1,202723768	---
17403967	6,723043	6,973263	6,994998	7,265199	7,175452	7,049684	6,8971013	7,163445	0,26634367	1,202755725	---
17475213	5,876294	5,127447	6,235691	6,360875	5,58268	6,095213	5,7464773	6,012922667	0,26644533	1,202840486	---
17549380	6,242054	6,501216	6,11516	6,856178	7,080747	5,720877	6,2861433	6,552600667	0,26645733	1,202850491	---
17460749	4,429628	3,838451	3,367813	4,375668	3,855213	4,204403	3,8786307	4,145094667	0,266464	1,20285605	Vmn1r41
17424249	5,913663	5,844562	6,169383	6,18926	6,290277	6,247787	5,9758693	6,242441333	0,266572	1,202946099	1110017D15Rik
17447090	9,700767	9,424212	9,706821	10,08705	9,915414	9,629396	9,6106	9,877286667	0,26668667	1,203041714	---
17406514	5,131834	5,228199	5,635535	5,536995	5,545489	5,713156	5,331856	5,598546667	0,26669067	1,203045049	Fcrls
17516186	4,254851	4,122101	4,261676	4,418277	4,612661	4,407997	4,212876	4,479645	0,266769	1,203110372	Olfr912
17295670	9,772027	9,460836	9,360672	9,712629	9,873785	9,807488	9,5311783	9,797967333	0,266789	1,203127051	Ocln
17273562	9,623227	9,555531	9,508993	9,927024	9,626478	9,93462	9,5625837	9,829374	0,26679033	1,203128163	---
17203637	3,025753	3,378809	3,204843	3,731558	3,115006	3,563233	3,203135	3,469932333	0,26679733	1,203134	---
17200353	3,939591	4,373859	4,391703	4,117328	4,905927	4,482479	4,235051	4,501911333	0,26686033	1,20318654	---
17372604	10,45032	10,39673	10,27434	10,62947	10,58373	10,70892	10,373797	10,64070667	0,26691	1,203227962	Ube2l6
17291736	4,522417	4,411263	4,598759	4,376647	5,231308	4,72523	4,510813	4,777728333	0,26691533	1,20323241	Serpinb6c
17450319	4,364737	4,828812	4,764344	4,822737	4,941231	4,994729	4,652631	4,919565667	0,26693467	1,203248535	Slc10a6
17442966	7,224703	6,995735	6,934931	7,119225	7,469519	7,367902	7,0517897	7,318882	0,26709233	1,203380041	4930579G22Rik
17232763	5,021912	5,114145	4,701768	5,189194	5,095024	5,354933	4,9459417	5,213050333	0,26710867	1,203393665	Ddo
17276776	6,369087	6,070231	6,343339	6,612144	6,585222	6,38665	6,2608857	6,528005333	0,26711967	1,20340284	Arg2
17407133	6,257563	6,189464	6,19612	6,651833	6,403	6,389968	6,2143823	6,481600333	0,267218	1,203484866	4632404H12Rik
17206001	3,760615	4,078156	3,814002	4,062996	4,359066	4,032455	3,8842577	4,151505667	0,267248	1,203509892	---
17341707	9,694396	9,532723	9,362357	9,691199	9,864607	9,835822	9,5298253	9,797209333	0,267384	1,20362335	---
17458542	3,407184	3,558738	3,207453	3,481283	3,94732	3,546931	3,391125	3,658511333	0,26738633	1,203625297	---
17230279	9,379416	9,446752	9,696283	10,0005	9,65008	9,674558	9,5074837	9,775046	0,26756233	1,203772141	AI503316
17499696	5,886404	4,913161	5,30954	5,587687	6,015715	5,308418	5,3697017	5,637273333	0,26757167	1,203779928	---
17203877	4,135737	4,985206	4,70824	5,06246	4,59898	4,970794	4,6097277	4,877411333	0,26768367	1,203873384	---
17350573	4,560785	4,327276	4,466043	4,86749	4,627186	4,66249	4,451368	4,719055333	0,26768733	1,203876444	Srfbp1
17548401	3,596769	3,607507	3,508475	3,982129	3,713337	3,820518	3,570917	3,838661333	0,26774433	1,203924009	Gm19932
17449795	4,139885	4,014977	4,245501	4,517585	4,453414	4,233425	4,1334543	4,401474667	0,26802033	1,204154352	4932430I15Rik
17287866	4,846342	4,987889	5,002107	5,290862	5,36694	4,982644	4,945446	5,213482	0,268036	1,204167429	1700066J03Rik
17414984	9,540025	9,426866	9,259794	9,483099	9,874759	9,673101	9,408895	9,676986333	0,26809133	1,204213615	D4Bwg0951e
17208135	3,825014	3,958118	3,9814	4,030362	4,333931	4,204857	3,9215107	4,189716667	0,268206	1,20430933	---
17413107	5,670789	5,529677	6,269065	6,807915	5,830708	5,635661	5,823177	6,091428	0,268251	1,204346895	4933409K07Rik // 4933409K07Rik
17397966	2,905061	3,332596	3,426217	3,306682	3,800932	3,36107	3,2212913	3,489561333	0,26827	1,204362756	---
17207193	5,414123	5,954651	6,032823	5,321683	6,931807	5,952957	5,8005323	6,068815667	0,26828333	1,204373887	---
17209073	4,395013	4,566978	5,114476	4,753649	5,438647	4,689022	4,6921557	4,960439333	0,26828367	1,204374165	---
17209577	3,993712	3,93149	4,402401	3,797508	4,218204	5,116776	4,109201	4,377496	0,268295	1,204383627	---
17252845	4,333006	4,048629	4,136362	4,206881	4,746625	4,369435	4,1726657	4,440980333	0,26831467	1,204400045	Snord91a
17268642	8,175221	7,575491	8,594787	8,207516	8,497816	8,44516	8,1151663	8,383497333	0,268331	1,20441368	---
17327827	6,666865	6,599119	7,008417	7,33024	7,022011	6,727152	6,7581337	7,026467667	0,268334	1,204416185	---
17421138	6,600896	6,417939	6,641103	6,997048	6,88765	6,580274	6,5533127	6,821657333	0,26834467	1,20442509	1810035I16Rik
17409981	4,375504	3,861651	4,474276	4,399024	4,614343	4,503183	4,2371437	4,505516667	0,268373	1,204448744	4930447N08Rik
17457322	3,364799	3,126028	3,440065	3,719603	3,750876	3,265578	3,3102973	3,578685667	0,26838833	1,204461545	---
17355080	5,448107	5,10207	5,490651	5,478793	5,642116	5,725321	5,3469427	5,61541	0,26846733	1,204527502	Rax
17279404	7,83301	7,689774	7,350489	7,86337	7,906211	7,909104	7,6244243	7,892895	0,26847067	1,204530285	Pld4

17221286	3,90628	4,250377	3,477005	4,213278	4,111399	4,114498	3,8778873	4,146391667	0,26850433	1,204558394	---
17206161	8,353395	7,554461	8,057228	8,683676	8,050388	8,036838	7,9883613	8,256967333	0,268606	1,204643282	---
17364169	4,666921	4,514321	4,679864	4,894961	4,814322	4,957789	4,6203687	4,889024	0,26865533	1,204684476	Htr7
17467209	6,714164	6,684903	6,52522	6,948503	6,703611	7,078605	6,641429	6,910239667	0,26881067	1,20481419	Fam13a
17257946	6,998047	7,308555	6,984825	7,919358	7,028023	7,150593	7,0971423	7,365991333	0,268849	1,204846203	Sox9
17208873	2,784368	3,45863	2,652938	3,209511	3,228364	3,264883	2,965312	3,234252667	0,26894067	1,204922759	---
17202857	3,651848	4,676217	3,896551	4,582891	4,320176	4,128381	4,074872	4,343816	0,268944	1,204925543	---
17207181	3,608248	3,801371	3,871532	4,476006	3,77734	3,834778	3,7603837	4,029374667	0,268991	1,204964798	---
17241604	4,581736	4,591484	4,648361	5,052317	4,800599	4,776022	4,6071937	4,876312667	0,269119	1,205071711	Lrrtm3
17274316	7,070081	6,802463	7,249496	7,205752	7,505645	7,218335	7,04068	7,309910667	0,26923067	1,205164989	Gm9222
17424656	5,783288	6,106838	6,197402	6,188855	6,458954	6,247461	6,029176	6,298423333	0,26924733	1,205178911	Tpm2
17508167	6,595317	6,176558	7,175143	6,789758	6,854393	7,110905	6,649006	6,918352	0,269346	1,205261337	---
17510136	9,356474	9,534943	9,17218	9,560086	9,572251	9,739467	9,3545323	9,623934667	0,26940233	1,2053084	Ifi30
17210771	6,01609	5,231911	5,02042	6,026974	5,235209	5,814572	5,422807	5,692251667	0,26944467	1,205343768	---
17370471	6,204508	5,726813	5,611939	6,288603	6,138295	5,924873	5,8477533	6,117257	0,26950367	1,205393063	---
17536538	4,400959	4,208753	4,152394	4,674075	4,475842	4,420907	4,2540353	4,523608	0,26957267	1,205450714	Awat1
17326911	5,310191	5,034833	4,939926	5,36707	5,488736	5,238056	5,0949833	5,364620667	0,26963733	1,205504748	4930420G21Rik
17294246	5,447931	4,873433	5,154845	5,300942	5,454593	5,529593	5,1587363	5,428376	0,26963967	1,205506698	D630045M09Rik
17208499	4,116806	3,866099	4,171547	4,224922	4,664911	4,07366	4,051484	4,321164333	0,26968033	1,205540679	---
17292137	5,360611	4,875804	5,613745	5,663991	5,792863	5,202355	5,2833867	5,553069667	0,269683	1,205542907	---
17470117	5,608388	5,6575	5,394531	6,005012	5,760136	5,704583	5,553473	5,823243667	0,26977067	1,205616166	---
17487322	4,951376	4,623578	4,974398	5,158075	5,348152	4,852564	4,849784	5,119597	0,269813	1,205651543	---
17416336	4,663836	4,585201	4,705685	4,901666	5,181302	4,681231	4,651574	4,921399667	0,26982567	1,205662128	Ttc22
17209883	4,63191	4,781495	4,780786	4,886531	5,223145	4,894245	4,731397	5,001307	0,26991	1,205732608	---
17206343	3,692385	3,882868	3,358785	3,518388	4,122475	4,10311	3,6446793	3,914657667	0,26997833	1,205789719	---
17460581	5,26823	4,421959	5,455262	5,062148	5,673811	5,219667	5,0484837	5,318542	0,27005833	1,205856584	---
17352016	6,417961	6,057793	6,095483	6,552104	6,115134	6,714303	6,1904123	6,460513667	0,27010133	1,205892525	---
17381351	5,838138	5,878024	5,863716	6,357827	6,041408	5,990969	5,8599593	6,130068	0,27010867	1,205898655	Ccdc3 // Ccdc3
17205147	3,164313	3,022893	2,787253	3,049882	3,648465	3,086807	2,9914863	3,261718	0,27023167	1,206001471	---
17209337	3,164313	3,022893	2,787253	3,049882	3,648465	3,086807	2,9914863	3,261718	0,27023167	1,206001471	---
17460681	5,581668	5,564261	6,014109	5,9474	6,104567	5,918942	5,7200127	5,990303	0,27029033	1,206050513	Gm15612
17545306	7,715294	7,743107	7,86729	8,148144	8,130972	7,857905	7,7752303	8,045673667	0,27044333	1,206178424	Apex2
17307318	7,468784	7,533647	7,343317	7,701604	8,032452	7,4231	7,4485827	7,719052	0,27046933	1,206200161	Setdb2
17419812	10,00651	9,975295	9,982292	10,31902	10,19918	10,25731	9,9880323	10,25850333	0,270471	1,206201555	D4Wsu53e
17447555	4,169345	4,06786	4,340249	4,170591	4,647128	4,571262	4,1924847	4,462993667	0,270509	1,206233326	---
17335308	4,93194	4,947663	4,853415	5,140578	5,235341	5,168764	4,911006	5,181561	0,270555	1,206271787	1810013A23Rik
17249920	7,681977	7,737269	7,420846	8,000643	7,784766	7,866383	7,613364	7,883930667	0,27056667	1,206281542	---
17474480	5,89557	5,663876	5,481486	6,1084	5,966058	5,778229	5,6803107	5,950895667	0,270585	1,206296871	Six5
17439813	4,68498	4,913073	4,072341	4,840998	4,742994	4,898322	4,556798	4,827438	0,27064	1,20634286	---
17282222	6,285324	5,959023	6,132416	6,510159	6,543269	6,135257	6,1255877	6,396228333	0,27064067	1,206343417	2310015A10Rik
17487211	5,064285	5,079539	4,978623	5,392131	5,230371	5,312065	5,0408157	5,311522333	0,27070667	1,206398606	Fosb
17299127	3,832892	3,47494	3,264041	4,019177	3,856431	3,508548	3,5239577	3,794718667	0,270761	1,206444041	---
17207267	4,328989	4,091496	4,238692	4,337891	4,894928	4,239015	4,2197257	4,490611333	0,27088567	1,206548297	---
17431768	5,967139	6,17947	5,931288	6,220808	6,230858	6,439386	6,0259657	6,297017333	0,27105167	1,206687134	Fam43b
17204023	3,593234	3,394802	3,456136	3,73702	3,722385	3,798029	3,4813907	3,752478	0,27108733	1,206716966	---
17393764	4,878095	5,293633	4,857949	5,399094	4,792122	5,651879	5,0098923	5,281031667	0,27113933	1,206760461	Nnat // Nnat
17550060	6,641485	6,148857	6,752232	6,987119	6,716022	6,652903	6,5141913	6,7853 48	0,27115667	1,20677496	---
17209601	3,117744	2,992616	3,159575	2,969445	4,026146	3,08784	3,0899783	3,361143667	0,27116533	1,206782209	---
17213578	6,43633	6,467201	6,502075	7,035058	6,628272	6,555851	6,4685353	6,739727	0,27119167	1,206804237	Gm20342
17280315	6,834403	6,702285	6,922949	7,066346	7,173606	7,03326	6,819879	7,091070667	0,27119167	1,206804237	Rnf144a
17266901	3,553077	3,56083	3,813793	4,207182	3,78296	3,751142	3,6425667	3,913761333	0,27119467	1,206806746	---
17296294	5,270689	5,113248	5,094474	5,561029	5,302336	5,428647	5,1594703	5,430670667	0,27120033	1,206811487	Gzmk
17318428	7,165873	7,032551	6,753727	7,114594	7,356893	7,294406	6,9840503	7,255297667	0,27124733	1,206850803	Oplah
17284453	4,081756	3,886246	4,083256	4,387951	4,327314	4,14977	4,017086	4,288345	0,271259	1,206860562	---
17530027	2,911626	3,283505	2,944868	3,489529	3,406698	3,057579	3,0466663	3,317935333	0,271269	1,206868927	Gm6432
17386377	7,176362	7,065167	6,991711	7,389526	7,257295	7,400362	7,0777467	7,349061	0,27131433	1,206906851	Mettl8
17512888	5,151033	5,087829	5,15289	5,406551	5,416399	5,382768	5,130584	5,401906	0,271322	1,206913265	Hydin
17259907	9,907036	9,902882	9,641082	10,03158	10,07907	10,15441	9,817	10,08835333	0,27135333	1,206939477	Tcn2
17253476	7,230254	7,57233	6,45914	6,761839	7,814475	7,499614	7,0872413	7,358642667	0,27140133	1,206979634	---
17549974	7,230254	7,57233	6,45914	6,761839	7,814475	7,499614	7,0872413	7,358642667	0,27140133	1,206979634	---
17290674	4,136381	4,097115	4,243159	4,400736	4,427212	4,463283	4,158885	4,430410333	0,27152533	1,207083379	Prl2c2
17390154	8,028426	7,953581	7,991641	8,332253	8,348889	8,107646	7,991216	8,262929333	0,27171333	1,207240686	Vps39
17463148	3,887423	3,567571	3,835731	3,797828	4,090044	4,218058	3,763575	4,03531	0,271735	1,207258817	Mir3098 // Mir3098
17205165	4,478236	4,791322	4,542794	5,122357	4,942429	4,562858	4,6041173	4,875881333	0,271764	1,207283085	---
17209355	4,478236	4,791322	4,542794	5,122357	4,942429	4,562858	4,6041173	4,875881333	0,271764	1,207283085	---
17403106	3,879212	3,784582	3,596459	4,156965	4,036616	3,882824	3,7534177	4,025468333	0,27205067	1,207522998	Adh6b
17414454	6,617482	6,913151	6,882214	7,161228	6,832411	7,235425	6,8042823	7,076354667	0,27207233	1,207541133	---
17550170	6,617482	6,913151	6,882214	7,161228	6,832411	7,235425	6,8042823	7,076354667	0,27207233	1,207541133	---
17483565	5,749142	5,482982	5,926412	5,983141	6,060337	5,931776	5,719512	5,991751333	0,27223933	1,207680921	---
17459889	6,819955	7,657475	7,363075	7,259745	7,929657	7,467828	7,2801683	7,55241	0,27224167	1,207682874	---
17489464	6,380123	6,519114	6,193631	6,491073	6,626183	6,792518	6,3642893	6,636591333	0,272302	1,20773338	Scn1b
17516915	7,989015	7,532819	7,163005	7,328569	7,976429	8,196898	7,561613	7,833965333	0,27235233	1,207775517	Apoa5
17324682	8,449239	8,32765	7,240204	8,039952	8,367873	8,426356	8,0056977	8,278060333	0,27236267	1,207784168	---
17289059	5,900469	5,50183	6,300406	6,403878	6,190675	5,925269	5,9009017	6,173274	0,27237233	1,20779226	---
17201185	8,772256	8,766666	8,555039	8,730912	8,827225	9,353166	8,697987	8,970434333	0,27244733	1,20785505	---
17204375	3,541486	3,520014	4,206002	4,115964	4,312986	3,656273	3,755834	4,028407667	0,27257367	1,207960824	---
17282942	2,958938	3,036762	3,22917	3,342431	3,333471	3,367236	3,0749567	3,347712667	0,272756	1,2081135	Gm10436
17201077	7,281028	7,559224	7,052603	7,56578	7,625404	7,519959	7,2976183	7,570381	0,27276267	1,208119083	---
17379304	6,254862	6,390415	6,310886	6,667155	6,435449	6,672069	6,318721	6,591557667	0,27283667	1,208181053	Pkig
17206607	4,173708	3,833802	3,532392	4,180679	3,776663	4,401177	3,846634	4,119506333	0,27287233	1,208210922	---
17202361	3,372279	3,622869	3,539689	3,83271	3,543508	3,977373	3,5116123	3,784530333	0,272918	1,208249167	---
17202535	6,344812	6,070707	6,307899	6,480722	6,615772	6,445739	6,2411393	6,514077667	0,27293833	1,208266196	---
17279539	3,056806	3,304849	3,192823	3,579087	3,444127	3,350279	3,184826	3,457831	0,273005	1,208322031	Adam6b
17216031	7,033519	7,168664	6,858491	7,203554	7,355535	7,320693	7,0202247	7,293260667	0,273036	1,208347995	Farp2
17406031	7,40862	7,414392	7,182266	7,625173	7,626753	7,57251	7,3350927	7,608145333	0,27305267	1,208361955	Rapgef2
17428883	5,672859	5,85992	6,346176	5,884357	6,820457	5,993499	5,9596517	6,232771	0,27311933	1,208417794	---
17208715	5,128015	4,402314	4,358871	4,536094	4,668308	5,504176	4,6297333	4,902859333	0,273126	1,208423378	---
17208785	4,520239	4,647738	4,60815	4,918427	4,33261	5,344482	4,5920423	4,865173	0,27313067	1,208427287	---
17204247	4,050912	3,72983	3,915693	4,026679	4,627808	3,861452	3,8988117	4,171979667	0,273168	1,208458559	---
17210661	4,191267	4,142197	3,966299	4,283868	4,313145	4,52244	4,099921	4,373151	0,27323	1,208510493	---
17481254	3,757765	3,269562	3,337778	3,917705	3,630845	3,63628	3,455035	3,728276667	0,27324167	1,208520266	Olfr638
17203205	4,251376	5,780046	5,421793	5,578134	5,68771	5,007147	5,1510717	5,424330333	0,27325867	1,208534507	---
17296793	4,01581	3,779843	3,84149	4,361676	4,058658	4,036674	3,8790477	4,152336	0,27328833	1,208559359	Gm3159
17229315	3,944018	3,978061	3,912169	4,486612	4,127677	4,039885	3,9447493	4,218058	0,27330867	1,208576392	Mael
17401699	5,158595	5,135474	5,001981	5,369822	5,499143	5,247168	5,0986833	5,372044333	0,273361	1,208620234	Mybphl
17461725	6,275364	6,675334	6,532425	6,62602	7,081521	6,595731	6,4943743	6,767757333	0,273383	1,208638665	Creld1
17487361	11,38567	11,18397	11,05891	11,37626	11,50832	11,56414	11,209517	11,48290667	0,27339	1,208644529	Apoc2
17226149	3,830218	3,515025	3,882952	3,930801	4,061378	4,056211	3,7427317	4,01613	0,27339833	1,20865151	9330185C12Rik // 9330185C12Rik
17326451	3,931293	3,529171	3,270518	3,819339	3,946192	3,786127	3,576994	3,850552667	0,27355867	1,208785841	Olfr203
17387385	9,70197	9,819159	9,587255	10,02743	9,97067	9,931039	9,7027947	9,976379667	0,273585	1,208807905	Calcrl
17323387	4,82024	4,889059	5,226343	5,3678	5,281882	5,106771	4,9785473	5,252151	0,27360367	1,208823545	1700056N10Rik
17274919	6,885851	6,570236	6,732923	6,919088	7,097085	6,993669	6,72967	7,003280667	0,27361067	1,208829411	Atxn7l1
17357506	7,789986	8,073421	7,914043	8,265428	8,170304	8,162765	7,9258167	8,199499	0,27368233	1,208889461	---
17200265	2,970707	3,318326	3,641319	3,637468	3,903875	3,21027	3,3101173	3,583871	0,27375367	1,208949236	---
17200647	4,130132	4,105439	4,146855	4,726747	4,402999	4,074066	4,1274753	4,401270667	0,27379533	1,208984152	---
17223002	3,677835	3,586488	3,249409	3,733624	4,007395	3,59429	3,5045773	3,778436333	0,273859	1,209037506	Dnahc7a
17368204	5,184866	5,022384	5,042654	5,423244	5,573821	5,075125	5,0833013	5,357396667	0,27409533	1,20923558	Lcn9
17324672	10,18903	10,26642	10,13092	10,50352	10,37334	10,53213	10,195457	10,46966333	0,27420667	1,2093289	---
17284858	5,277703	5,299718	4,777456	5,086293	5,734046	5,357169	5,1182923	5,392502667	0,27421033	1,209331974	---
17450947	5,897612	6,241564	6,393614	6,480515	6,24273	6,632308	6,1775967	6,451851	0,27425433	1,209368857	1010001B22Rik // 1010001B22Rik
17464668	3,888194	3,85866	3,977982	4,055253	4,380144	4,112704	3,9082787	4,182700333	0,27442167	1,209509136	1700019G24Rik
17532491	5,071433	5,019015	5,109189	5,108239	5,540656	5,374013	5,0665457	5,340969333	0,27442367	1,209510813	Slc6a20b
17474558	5,648759	6,154296	5,77247	6,355803	5,969481	6,073613	5,8585083	6,132965667	0,27445733	1,209539038	Ercc1
17415747	7,379329	7,571828	7,325941	7,9021	7,581036	7,617372	7,4256993	7,700169333	0,27447	1,209549658	Atg4c
17337622	6,180085	6,020877	5,674458	6,314597	6,280568	6,103683	5,9584733	6,232949333	0,274476	1,209554688	Olfr130
17273165	11,20808	11,15487	11,22324	11,40246	11,53891	11,46828	11,195397	11,46988333	0,27448667	1,209563631	P4hb
17283270	6,521928	6,744682	6,517663	7,03633	6,863574	6,708033	6,5947577	6,869312333	0,27455467	1,209620644	Rps6ka5
17372866	2,992357	3,168576	3,342115	3,443175	3,576092	3,307588	3,1676827	3,442285	0,27460233	1,209660611	Olfr1129
17318741	5,812044	5,816134	6,169066	6,10612	6,462562	6,052564	5,9324147	6,207082	0,27466733	1,209715113	Mb
17245585	4,434376	4,250229	4,610412	4,56708	4,934363	4,617635	4,4316723	4,706359333	0,274687	1,209731603	Mirlet7i
17329605	4,235135	4,391913	4,125709	4,514467	4,679736	4,38267	4,250919	4,525624333	0,27470533	1,209746976	---
17494424	3,257728	3,092817	3,15551	3,467724	3,372791	3,489694	3,168685	3,443403	0,274718	1,209757598	Olfr658
17337735	5,266243	5,085957	4,926439	5,716775	5,180266	5,206129	5,0928797	5,367723333	0,27484367	1,209862979	3110082D06Rik
17257660	4,584474	4,403859	4,206325	4,665573	4,699818	4,653857	4,3982193	4,673082667	0,27486333	1,209879472	---
17201711	6,288467	5,833042	6,400886	6,311023	6,56925	6,466801	6,1741317	6,449024667	0,274893	1,209904351	---
17201887	6,288467	5,833042	6,400886	6,311023	6,56925	6,466801	6,1741317	6,449024667	0,274893	1,209904351	---
17204351	7,165677	6,856781	6,867238	7,626065	6,908542	7,179985	6,963232	7,238197333	0,27496533	1,209965014	---
17381404	7,105093	7,06718	7,025867	7,402144	7,301462	7,319604	7,0660467	7,34107	0,27502333	1,210013659	Sec61a2
17200369	6,954568	7,156224	6,556232	7,238076	7,107832	7,146471	6,889008	7,164126333	0,27511833	1,21009334	---
17532106	4,438581	3,870023	4,440491	4,547936	4,27165	4,755105	4,2496983	4,524897	0,27519867	1,210160723	Slc22a13b
17249172	4,590098	4,690058	4,950552	4,983107	5,144853	4,928353	4,7435693	5,018771	0,27520167	1,21016324	---
17204905	5,797384	6,151293	6,007632	6,688553	6,099051	5,994421	5,9854363	6,260675	0,27523867	1,210194276	---
17426695	3,442452	3,446136	3,497233	3,873398	3,680606	3,657769	3,4619403	3,737257667	0,27531733	1,210260267	---
17306396	6,552899	6,248388	5,811112	6,376616	6,595272	6,466569	6,204133	6,479485667	0,27535267	1,210289908	Jub

17314256	3,522288	3,771654	3,666345	3,847093	4,033229	3,906191	3,653429	3,928837667	0,27540867	1,210336888	4933438A12Rik // 4933438A12Rik
17207031	4,843741	5,745708	5,521441	5,222824	6,127686	5,586793	5,3702967	5,645767667	0,275471	1,210389183	---
17201699	2,982125	3,656368	4,225236	3,790394	4,023865	3,875893	3,621243	3,896717333	0,27547433	1,21039198	---
17534528	4,105669	3,655649	4,072372	4,133827	4,226585	4,299914	3,9445633	4,220108667	0,27554533	1,210451549	Xpnpep2
17400998	5,774295	5,868616	5,551449	6,375086	5,73279	5,913185	5,7314533	6,007020333	0,275567	1,210469728	Vtcn1
17382363	6,254146	6,264769	6,461045	6,285738	7,001444	6,51977	6,3266533	6,602317333	0,275664	1,210551117	Noxa1
17208995	5,982824	6,871023	6,483476	6,924569	6,497564	6,742849	6,4457743	6,721660667	0,27588633	1,210737689	---
17241676	8,359467	8,457633	8,305711	8,751317	8,591733	8,607883	8,3742703	8,650311	0,27604067	1,210867215	1700040L02Rik
17534863	3,584769	3,197988	3,255291	3,561871	3,700305	3,604091	3,346016	3,622089	0,276073	1,210894353	---
17210253	3,853135	3,632978	3,692872	3,916427	4,02808	4,0627	3,7263283	4,002402333	0,276074	1,210895193	---
17291068	3,240767	3,313203	3,095054	3,699275	3,427255	3,350754	3,2163413	3,492428	0,27608667	1,210905824	Vmn1r191
17435493	4,121327	4,170915	4,40417	4,309886	4,678949	4,535852	4,2321373	4,508229	0,27609167	1,210910021	4831440E17Rik
17345921	4,255597	4,280543	3,931658	4,649079	4,333425	4,313721	4,1559327	4,432075	0,27614233	1,210952548	C330011F03
17366742	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17366796	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17366808	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17366832	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17366844	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17366868	5,559897	5,812141	5,762578	6,088162	5,70652	6,168411	5,7115387	5,987697667	0,276159	1,210966538	Mir466b-2 // Mir466b-2
17396190	5,704602	6,006619	6,02174	6,289776	6,143014	6,128682	5,910987	6,187157333	0,27617033	1,210976051	Mir124a-2
17329454	7,272249	7,459301	6,927338	7,473793	7,264776	7,749154	7,2196293	7,495907667	0,27627833	1,211066708	Leprel1
17297123	6,354226	6,142588	6,241029	6,711818	6,509595	6,345308	6,2459477	6,522240333	0,27629267	1,21107874	---
17231784	9,127531	8,799048	9,033942	9,313447	9,25526	9,221027	8,9868403	9,263244667	0,27640433	1,211172483	Cited2
17265792	4,163279	4,287736	4,01684	4,315288	4,340208	4,641656	4,1559517	4,4323384	0,27643233	1,211195989	Olfr392
17291275	7,464684	7,382003	7,440782	7,856804	7,669757	7,590242	7,4291563	7,7056O1	0,27644467	1,211206344	Lrrc16a
17336838	7,191404	7,416562	7,698473	7,812667	7,575743	7,7474	7,4354797	7,711936667	0,276457	1,211216698	Vars
17278846	5,080084	4,553908	4,822329	4,85338	5,337034	5,095652	4,8187737	5,095355333	0,27658167	1,211321367	Mir487b
17507485	3,717247	3,604571	3,746457	3,90932	4,05018	3,938534	3,689425	3,966011333	0,27658633	1,211325285	Gm6524
17293246	7,801041	7,97645	8,141367	8,124234	8,367873	8,256704	7,9729527	8,249603667	0,276651	1,211379582	---
17481324	5,022961	4,828387	4,732447	5,020955	5,416139	4,97666	4,861265	5,137918	0,276653	1,211381261	Olfr656
17397331	8,077335	8,017182	8,133043	8,574281	8,497438	7,985929	8,0758533	8,352549333	0,276696	1,211417368	---
17243382	5,984503	6,141035	6,36762	6,267237	6,610025	6,446342	6,164386	6,441201333	0,27681533	1,211517575	Gna15
17206785	5,209413	5,136575	5,601592	6,163837	4,840521	5,774075	5,31586	5,592811	0,276951	1,211631508	---
17444697	4,589063	4,557146	4,646598	4,806889	4,713399	5,103378	4,5976023	4,874555333	0,276953	1,211633187	Cyp3a59
17300376	6,150376	5,964889	5,901846	6,369761	6,313487	6,164733	6,0057037	6,282660333	0,27695667	1,211636267	Il25
17200233	7,503546	7,950446	7,782176	8,307796	7,932234	7,827037	7,7453893	8,022355667	0,27696633	1,211644385	---
17217836	4,817254	4,595469	4,896867	5,217371	5,03651	4,886689	4,7698633	5,046856667	0,27699333	1,211667061	---
17235783	5,530968	5,26241	5,85095	5,909424	5,741701	5,824229	5,5481093	5,825118	0,27700867	1,211679939	BC025920
17259235	7,895987	7,72303	7,570591	7,893925	8,296141	7,830638	7,7298693	8,006901333	0,277032	1,211699536	Baiap2
17200541	3,171045	4,630815	3,72834	3,679561	4,863422	3,818407	3,8434	4,120463333	0,27706333	1,211725853	---
17363799	7,522426	7,590997	7,482733	7,75215	7,979955	7,69548	7,532052	7,809195	0,277143	1,211792767	5033414D02Rik
17206737	6,687783	6,227284	5,988628	6,537198	6,895518	6,302769	6,3012317	6,578495	0,27726333	1,211893846	---
17207025	6,328194	5,786221	6,041597	6,769532	6,193632	6,024688	6,052004	6,329284	0,27728	1,211907846	---
17452070	5,916812	6,318369	5,985934	6,542453	6,254546	6,256096	6,073705	6,351031667	0,27732667	1,211947048	Oas3
17207535	6,57528	6,732446	6,741806	6,693562	7,262965	6,925017	6,6831773	6,960514667	0,27733733	1,211956009	---
17464312	3,958535	3,914726	4,026694	4,290318	4,143828	4,297922	3,9666517	4,244022667	0,277371	1,211984291	4930479D17Rik // 4930479D17Rik
17200229	5,375645	5,763474	5,526948	5,826537	6,353197	5,318521	5,5553557	5,832751667	0,277396	1,212005294	---
17366533	4,593777	4,358061	5,073678	4,656478	5,049682	5,151757	4,675172	4,952639	0,277467	1,212064942	---
17369286	5,806175	5,746958	6,001871	6,050522	6,10797	6,229117	5,851668	6,129203	0,277535	1,212122073	Prrx2
17518458	6,724477	7,083919	6,980859	7,348121	7,164741	7,109384	6,9297517	7,207415333	0,27766367	1,212230181	Igdcc4
17445325	7,604037	7,560209	7,115747	7,699199	7,737784	7,676111	7,4266643	7,704364667	0,27770033	1,21226099	Fzd1
17359726	4,692894	4,616443	4,733601	4,734062	5,055002	5,087091	4,6809793	4,958718333	0,277739	1,212293481	Pax2
17525799	3,732334	3,86693	3,609909	4,074019	3,947109	4,021273	3,736391	4,014133667	0,27774267	1,212296563	Olfr985
17206733	4,034291	3,527071	3,587123	4,636898	3,888981	3,456395	3,7161617	3,994091333	0,27792967	1,212453709	---
17252767	9,240917	9,167769	9,305185	9,478196	9,519573	9,550677	9,237957	9,516148667	0,27819167	1,212673916	1300001I01Rik
17205027	5,477668	4,961593	4,895378	5,861419	5,067081	5,240901	5,1115463	5,389800333	0,278254	1,212726312	---
17209217	5,477668	4,961593	4,895378	5,861419	5,067081	5,240901	5,1115463	5,389800333	0,278254	1,212726312	---
17310368	6,949826	7,220367	6,917626	7,226238	7,346873	7,349471	7,029273	7,307527333	0,27825433	1,212726592	Adamts12
17487554	6,445136	6,24268	5,819932	6,33487	6,549142	6,458567	6,1692493	6,447526333	0,278277	1,212745646	Vmn1r117
17351053	9,192306	9,323592	9,172655	9,320936	9,6648	9,537771	9,2295177	9,507835667	0,278318	1,212780112	Csf1r
17254822	5,477463	5,171909	5,356768	5,715289	5,419941	5,706007	5,33538	5,613745667	0,27836567	1,212820183	1110028F11Rik
17296731	4,788153	4,970373	4,781301	5,486101	4,868534	5,020486	4,846609	5,125040333	0,27843133	1,212875387	Gm5796
17207579	5,13321	4,862268	5,203589	5,368157	5,522683	5,143589	5,0663557	5,344809667	0,278454	1,212894443	---
17489357	4,106503	4,047956	4,31081	3,94289	4,349119	5,009095	4,1550897	4,433701333	0,27861167	1,213027003	Hamp2
17463567	4,737813	4,819917	4,987257	5,007515	5,078939	5,294376	4,848329	5,126943333	0,27861433	1,213029245	Klrd1
17303098	6,010991	6,063794	5,73723	6,315533	6,051716	6,280659	5,9373383	6,215969333	0,278631	1,213043259	Gm10413 // Gm10413
17251518	6,752908	6,841879	7,174026	7,279939	7,146395	7,178401	6,9229377	7,201578333	0,27864067	1,213051387	Vamp2
17204457	4,664224	4,429945	5,054025	5,139359	4,926502	4,91846	4,7160647	4,994773667	0,278709	1,213108844	---
17208127	4,059454	3,674057	3,768874	4,120423	4,680149	3,538067	3,8341283	4,112879667	0,27875133	1,213144441	---
17349880	4,115739	3,735414	3,955703	4,188336	4,307862	4,147087	3,9356187	4,214428333	0,27880967	1,213193494	Pcdhb5
17200769	3,412376	3,653468	3,57647	4,150428	3,577137	3,751323	3,547438	3,826296	0,278858	1,213234139	---
17298126	6,98372	7,015729	6,657716	6,967151	7,082995	7,443594	6,8857217	7,16458	0,27885833	1,21323442	Lrtm1
17548436	5,961997	5,940354	4,885114	5,747806	5,710262	6,165976	5,5958217	5,874681333	0,27885967	1,213235541	Speer4e // Speer4e // Speer4e // Speer4
17206951	6,698905	6,802172	6,885671	7,237582	6,804814	7,18096	6,7955827	7,074452	0,27886933	1,21324367	---
17455882	7,189497	7,085184	7,193021	7,55305	7,41434	7,337012	7,1559007	7,434800667	0,2789	1,21326946	Ppp1r9a
17460941	9,320533	9,186307	8,942669	9,329904	9,44259	9,513802	9,1498363	9,428765333	0,27892	1,213293848	Slc6a6
17218321	9,473519	9,618044	9,606215	9,99647	10,01743	9,520695	9,565926	9,844865	0,278939	1,213302258	Rgs16
17200867	2,783593	3,308611	3,285471	3,24662	3,881521	3,086359	3,1258917	3,404833333	0,27894167	1,213304501	---
17335340	5,364029	5,464244	5,546276	5,632934	5,737467	5,841667	5,458183	5,737356	0,279173	1,213499068	E230001N04Rik
17283542	8,994269	9,177172	9,047565	9,590534	9,130709	9,33534	9,073002	9,352194333	0,27919233	1,21351533	---
17342167	7,732575	7,787478	7,764131	8,127852	7,995747	7,998334	7,7613947	8,040644333	0,27924967	1,213563556	Gnptg
17324690	9,205847	9,596231	9,202993	9,237262	9,933722	9,671874	9,3350237	9,614286	0,27926233	1,213574211	---
17203895	4,521311	5,054405	5,509314	5,496236	5,133902	5,292812	5,0283433	5,30765	0,27930667	1,213611504	---
17538823	9,521316	9,345084	9,422461	9,704805	9,767944	9,654078	9,4296203	9,708942333	0,279322	1,213624403	---
17511336	7,715819	7,87918	7,895358	7,943014	8,354114	8,031196	7,830119	8,109441333	0,27932233	1,213624683	Mylk3
17394047	12,5827	12,54217	12,51344	12,8089	12,83087	12,83655	12,546103	12,82544	0,27933667	1,213636741	Serinc3
17208037	4,524665	4,201276	3,776215	4,123573	4,799827	4,417061	4,1673853	4,446820333	0,279435	1,213719465	---
17497389	6,85137	6,637141	6,611263	6,952339	6,957853	7,02827	6,6999247	6,979487333	0,27956267	1,213826874	9430038I01Rik
17312350	4,547431	4,616146	4,666865	4,945958	4,725241	4,998054	4,6101473	4,889751	0,27960367	1,21386137	Spatc1
17228407	10,0943	10,29821	9,815377	10,06398	10,38404	10,59877	10,069296	10,34893	0,27963433	1,213887173	Qsox1
17207209	6,679666	6,127871	6,093019	6,712711	6,574616	6,452263	6,3001853	6,579863333	0,279678	1,213923914	---
17548965	6,332452	5,688358	5,467115	6,213194	6,114058	5,999744	5,8293083	6,108998667	0,27969033	1,213934292	Csprs // Csprs
17322750	10,01059	9,665225	9,582153	9,835996	10,14959	10,11154	9,752656	10,03237533	0,27971933	1,213958694	Abat
17218594	4,317734	4,651518	4,280337	4,745898	4,590841	4,752014	4,4165297	4,696251	0,27972133	1,213960377	---
17540378	10,50755	10,39841	10,24035	10,60205	10,70572	10,67777	10,382103	10,66184667	0,27974333	1,213978889	Maob
17402092	4,343115	4,763494	4,487691	4,795689	4,979872	4,658103	4,5314333	4,811221333	0,279788	1,214016475	4930455H04Rik
17203619	2,846313	2,953628	2,835211	3,313951	3,101043	3,05969	2,878384	3,158228	0,279844	1,214063599	---
17284548	7,199642	7,008728	6,407052	6,992472	7,231937	7,230757	6,8718073	7,151722	0,27991467	1,214123069	---
17204089	6,641515	5,874458	5,87826	6,584613	6,635704	6,013881	6,131411	6,411399333	0,27998833	1,214185066	---
17463930	7,664255	7,165615	7,434353	7,746653	7,65217	7,70541	7,4214077	7,701411	0,28000333	1,21419769	Pik3c2g
17338872	6,51255	5,829266	6,442984	6,35469	6,575771	6,694779	6,2616	6,541746667	0,28014667	1,214318328	Ndufa11
17224180	6,683796	6,92143	7,087818	7,37152	7,084418	7,0776	6,8976813	7,177846	0,28016467	1,214333478	Igfbp5
17261995	5,357357	5,26579	5,454484	5,494983	5,626593	5,796608	5,3592103	5,639394667	0,28018433	1,214350032	Ublcp1
17434669	4,417906	4,465951	4,323328	4,791436	4,544858	4,712266	4,402395	4,682853333	0,28045833	1,214580686	Gm6455
17478301	7,193721	6,969574	7,010468	7,40795	7,348034	7,259533	7,057921	7,338505667	0,28058467	1,214687049	Nav2
17487584	6,629982	6,298729	5,71437	6,539643	6,429757	6,515526	6,2143603	6,494975333	0,280615	1,214712588	Vmn1r126
17487645	6,629982	6,298729	5,71437	6,539643	6,429757	6,515526	6,2143603	6,494975333	0,280615	1,214712588	Vmn1r126
17202421	5,771487	5,202149	4,873658	4,696168	5,935676	6,057734	5,2824313	5,563192667	0,28076133	1,214835804	---
17367904	7,738896	7,48886	7,704598	8,068337	7,950861	7,75546	7,644118	7,924886	0,280768	1,214841417	---
17508325	5,064378	5,305863	5,398892	5,443952	5,482543	5,684999	5,2563777	5,537164667	0,280787	1,214857417	Htra4
17522916	7,46423	7,616437	7,678732	7,874414	7,872624	7,855171	7,5864663	7,867403	0,28093667	1,214983454	Itga9
17513026	5,073192	5,184128	5,255091	5,286397	5,61999	5,449035	5,1708037	5,451807333	0,28100367	1,21503988	9430091E24Rik
17394943	5,762223	5,382421	5,649125	5,906101	5,82178	5,909154	5,597923	5,879011667	0,28108867	1,215111469	Bcas1
17449558	10,85281	10,93088	10,97335	11,35042	11,27014	10,9798	10,919013	11,20012	0,28110667	1,21512663	---
17290965	10,7505	10,90885	10,80171	10,9363	11,18603	11,18228	10,820353	11,10153667	0,28118333	1,215191205	LOC100046079 // Cox5b
17501234	4,132174	3,743443	3,781421	4,205312	4,26874	4,026685	3,8856793	4,166912333	0,281233	1,21523304	Glra3
17205979	5,04326	4,549507	5,336378	5,443973	5,240857	5,088276	4,9763817	5,257702	0,28132033	1,215306606	---
17318036	4,870283	4,35773	4,668347	5,063663	4,925433	4,751715	4,63212	4,913603667	0,28148367	1,215444204	Gml
17206269	6,630155	6,80326	6,193632	6,150321	6,803337	7,517929	6,542349	6,823862333	0,28151333	1,215469198	---
17200123	4,530607	4,496326	5,971241	5,143275	5,277364	5,422521	4,9993913	5,281053333	0,281662	1,215594456	---
17497980	5,918564	5,626311	6,069642	6,132431	6,254773	6,072716	5,8715057	6,153306667	0,281801	1,215711581	Muc6
17209057	3,439152	3,483994	3,018637	4,107925	3,395546	3,283837	3,3139277	3,595769333	0,28184167	1,21574585	---
17474900	5,773278	5,745111	5,863332	6,303581	5,914156	6,009569	5,793907	6,075768667	0,28186167	1,215762704	Zfp235
17526743	4,590932	4,518417	4,58649	4,678694	4,971888	4,890948	4,5652797	4,847176667	0,281897	1,21579248	Ankk1
17395512	5,911044	5,925889	6,014893	6,328269	6,315182	6,054137	5,9506087	6,232529333	0,28192067	1,215812424	Lama5
17203011	3,399263	3,388634	3,3516	3,264915	3,839473	3,881233	3,3798323	3,661873667	0,28204133	1,215914119	---
17517360	4,055527	3,946466	4,311912	4,082299	5,04676	4,031188	4,104635	4,386749	0,282114	1,215975364	Sln
17210361	5,783351	6,737122	5,663973	6,603369	6,179871	6,247604	6,061482	6,343614667	0,28213267	1,215991098	---
17207959	5,132846	5,214025	5,099078	5,424979	5,26722	5,600267	5,1486497	5,430822	0,28217233	1,216024532	---
17318877	7,851478	8,078476	7,904379	8,137854	8,304672	8,23885	7,9447777	8,227125333	0,28234767	1,216172326	Txn2
17501098	4,811729	4,700612	4,91507	5,132882	5,026613	5,114978	4,809137	5,091491	0,282354	1,216177665	Cldn22
17236495	4,80081	4,96962	5,022852	5,352221	4,991124	5,297019	4,931094	5,213454667	0,28236067	1,216183285	Rmst
17201751	4,008846	3,741374	4,857533	4,921106	4,345603	4,188846	4,2025843	4,485185	0,28260067	1,21638562	---
17201927	4,008846	3,741374	4,857533	4,921106	4,345603	4,188846	4,2025843	4,485185	0,28260067	1,21638562	---

17416353	4,836813	4,924781	5,114065	5,552814	5,114449	5,056376	4,958553	5,241213	0,28266	1,216435647	Acot11 // Acot11
17424815	4,946499	5,263977	5,621783	5,458367	5,879392	5,342585	5,2774197	5,560114667	0,282695	1,216465159	Olfr156
17303453	6,84897	6,716013	6,618903	6,926522	7,082332	7,023176	6,727962	7,010676667	0,28271467	1,216481742	4930452B06Rik
17423105	4,033355	4,341523	4,348061	4,997248	4,356796	4,217189	4,2409797	4,523744333	0,28276467	1,216523902	---
17518573	7,402071	7,273012	7,150113	7,473802	7,518721	7,681117	7,2750653	7,55788	0,28281467	1,216566065	Mtfmt
17300591	8,151688	8,840322	7,952973	8,745237	8,653209	8,395273	8,3149943	8,597906333	0,282912	1,216648145	Irf9
17208277	4,198287	4,654788	4,497753	4,538082	4,936686	4,725087	4,450276	4,733285	0,283009	1,216729949	---
17445451	4,558856	4,376562	3,302271	4,039211	4,416454	4,631074	4,0792297	4,362246333	0,28301667	1,216736415	---
17296849	6,357114	6,165768	5,824948	6,536663	6,287448	6,372786	6,1159433	6,398965667	0,28302233	1,216741194	Gm2897
17494695	5,376424	4,974607	4,952545	5,460067	5,312024	5,38072	5,101192	5,384270333	0,28307833	1,216788424	Olfr698
17510345	6,543891	7,253021	6,588763	7,064435	7,19864	6,971994	6,795225	7,078356333	0,28313133	1,216833126	Bst2
17468209	9,573921	9,770731	9,336288	9,873932	9,780979	9,875523	9,5603133	9,843478	0,28316467	1,216861241	Clec4f
17208489	3,388167	3,682209	3,42448	3,523175	4,049468	3,772115	3,4982853	3,781586	0,28330067	1,216975958	---
17233032	6,320415	5,982957	6,169457	6,605016	6,247193	6,47085	6,1576097	6,441019667	0,28341	1,217068189	1700027J07Rik
17204053	7,585992	7,341711	7,34667	7,864614	7,674016	7,586786	7,424791	7,708472	0,283681	1,217296828	---
17238846	8,618093	8,852802	8,389402	9,017541	8,974339	8,719463	8,620099	8,903781	0,283682	1,217297671	Syne1
17449406	10,22932	10,29257	9,969813	10,30848	10,49612	10,53819	10,163901	10,44759667	0,28369567	1,217309203	Sult1d1
17529582	7,354899	6,944075	7,2453	7,374661	7,556943	7,464059	7,1814247	7,465221	0,28379633	1,217394146	9330159M07Rik
17538150	5,619059	5,379353	5,104608	5,683193	5,588669	5,68266	5,3676733	5,651507333	0,283834	1,217425931	Mir3475
17284662	3,897973	3,815219	3,417088	4,174165	3,898912	3,908818	3,7100933	3,993965	0,28387167	1,217457716	---
17517416	5,503343	5,385685	5,654226	5,95319	5,732257	5,709901	5,514418	5,798449333	0,28403133	1,217592463	Crabp1
17205841	3,945749	4,310671	3,376416	4,164773	4,320739	3,99943	3,877612	4,161647333	0,28403533	1,217595839	---
17433977	7,422996	7,650022	7,290582	7,868399	7,768386	7,579715	7,4545333	7,738833333	0,2843	1,217819231	Agrn
17206291	5,445131	4,832261	5,10245	5,708414	5,521712	5,002914	5,126614	5,411013333	0,28439933	1,217903084	---
17210825	6,966192	6,267404	6,588371	7,015782	7,062552	6,596907	6,6073223	6,891747	0,28442467	1,21792447	---
17209725	3,939157	4,45857	4,201749	4,951428	4,106425	4,395127	4,1998253	4,484326667	0,28450133	1,217989194	---
17507374	8,393997	8,088061	7,916315	8,424691	8,518049	8,309235	8,132791	8,417325	0,284534	1,218016773	Irs2
17442006	6,076685	5,787762	5,844046	6,05978	6,419431	6,082954	5,902831	6,187388333	0,28455733	1,218036472	---
17332107	5,898863	5,653847	5,633867	6,015874	6,099419	5,924985	5,728859	6,013426	0,284567	1,218044634	4932438H23Rik
17538749	8,443725	8,801509	8,781978	9,286609	8,74154	8,852858	8,6757373	8,960335667	0,28459833	1,218071088	---
17202391	5,993301	6,565978	6,258518	6,477449	6,611928	6,582266	6,272599	6,557214333	0,28461533	1,218085442	---
17208721	3,799847	5,021549	4,378405	4,604153	4,697834	4,751845	4,3999337	4,684610667	0,284677	1,218137509	---
17210251	3,489971	4,122713	4,205398	3,784949	4,607527	4,279666	3,9393607	4,224047333	0,28468667	1,218145671	---
17204315	6,100477	5,616639	6,346988	6,417733	6,681799	5,818878	6,021368	6,306136667	0,28476867	1,21821491	---
17255663	8,159523	8,018659	7,93351	8,352506	8,25933	8,354318	8,0372307	8,322051333	0,28482067	1,218258819	Copz2
17201521	6,045812	5,954514	5,891948	6,49689	6,080026	6,170241	5,9640913	6,249052333	0,284961	1,218377327	---
17357659	3,417386	3,70798	3,552958	3,88569	3,859594	3,788132	3,5594413	3,844472	0,28503067	1,218436163	Ms4a4b
17221371	3,189692	3,303044	3,2952	3,722191	3,333861	3,587038	3,2626453	3,547696667	0,28505133	1,218453617	---
17210835	3,690649	3,436235	3,408027	4,104283	3,915191	3,370667	3,511637	3,796713667	0,28507667	1,218475013	---
17379949	5,79255	5,631549	5,589323	6,128993	5,869883	5,869883	5,6711407	5,956253	0,28511233	1,218505137	---
17207971	3,400101	3,511863	3,25143	3,139832	3,620554	4,25841	3,387798	3,672932	0,285134	1,218523437	---
17448785	7,893939	9,094575	8,699937	8,654118	8,659479	9,230474	8,562817	8,848023667	0,28520667	1,218584814	---
17200721	3,861654	3,62354	4,149949	4,905421	3,863118	3,722389	3,878381	4,163642667	0,28526167	1,218631271	---
17249561	7,391578	7,353244	7,051205	7,491332	7,504721	7,655816	7,2653423	7,550623	0,28528067	1,21864732	Kif3a
17466060	8,664062	8,979775	7,962428	8,784486	8,80771	8,870177	8,5354217	8,820791	0,28536933	1,21872222	Parp12
17204805	3,956478	4,368124	3,922681	4,936113	3,978198	4,189137	4,0824277	4,367816	0,28538833	1,21873827	---
17305964	6,232532	5,704019	6,09013	6,367292	6,313313	6,20234	6,0088937	6,294315	0,28542133	1,218766147	Olfr749
17273059	7,023037	6,952419	6,125434	6,917468	7,010557	7,029499	6,7002967	6,985841333	0,28554467	1,218870342	---
17382767	5,482264	5,289313	5,581392	5,7118	5,834141	5,664199	5,4509897	5,736713333	0,28572367	1,219021581	Sohlh1
17361445	4,763341	5,126805	5,299725	5,251415	5,316257	5,479408	5,0632903	5,349026667	0,28573633	1,219032284	Tmem151a
17329151	8,412903	8,57509	8,433098	8,680017	8,922361	8,675962	8,473697	8,759446667	0,28574967	1,21904355	Alg3
17535600	6,587801	6,431517	6,727254	6,683974	7,067356	6,852912	6,5821907	6,868080667	0,28589	1,219162134	Dusp9
17325373	5,432065	5,603863	5,540457	5,748295	5,950299	5,735549	5,5254617	5,811381	0,28591933	1,219186923	Ildr1
17202651	3,793487	4,524426	4,313995	4,330698	5,28967	3,869375	4,210636	4,496581	0,285945	1,219208613	---
17448769	8,223302	8,342912	8,22732	8,574991	8,475821	8,600614	8,2645113	8,550475333	0,285964	1,21922467	---
17533083	4,844615	4,858727	4,68231	5,140313	4,844444	5,258829	4,7952173	5,081195333	0,285978	1,219236502	Gm6787
17408182	3,686099	3,846848	3,577574	3,76958	4,235818	3,963125	3,703507	3,989507667	0,28600067	1,219255657	Olfr1402
17201017	5,654759	6,651133	5,94719	5,602414	6,735374	6,773396	6,0843607	6,370394667	0,286034	1,219283829	---
17246860	10,07104	9,928828	9,891474	10,28455	10,26017	10,20493	9,9637807	10,24988333	0,28610267	1,219341863	Nipsnap1
17447825	5,083872	4,499576	4,94241	4,879876	5,231079	5,273472	4,8419527	5,128142333	0,28618967	1,219415396	---
17201587	6,350152	6,940504	6,529469	6,665128	6,920228	7,09372	6,6067083	6,893025333	0,286317	1,219523028	---
17462644	3,749608	3,466765	3,56655	4,195632	3,610339	3,835973	3,5943077	3,880648	0,28634033	1,219542752	Gm6637
17329149	5,346525	5,384419	5,479919	5,86643	5,706299	5,497197	5,403621	5,689975333	0,28635433	1,219554586	Gm15760
17224878	7,19841	7,21651	6,956536	7,328609	7,491803	7,410137	7,1238187	7,410183	0,28636433	1,21956304	Irs1
17208315	4,284019	4,34739	3,662036	4,562081	4,127082	4,463748	4,097815	4,384303667	0,28648867	1,219668148	---
17207175	3,750607	3,976723	3,808345	4,195634	4,128071	4,071585	3,845225	4,131763333	0,28653833	1,219710137	---
17289794	7,773034	8,135209	7,766892	8,118163	8,176489	8,240412	7,8917117	8,178354667	0,286643	1,219798629	Plk2
17303204	4,425759	4,19079	4,182522	4,571875	4,738205	4,348971	4,266357	4,553017	0,28666	1,219813003	Gm10406
17200089	2,773326	3,053066	3,230292	3,031745	3,220303	3,664934	3,0188947	3,305660667	0,286766	1,21990263	---
17396974	5,349607	5,765285	5,847584	6,15146	5,884591	5,786861	5,6541587	5,940970667	0,286812	1,219941527	1810062G17Rik
17205005	7,296753	7,57412	6,80755	7,419287	7,710916	7,408763	7,226141	7,512988667	0,28684767	1,219971687	---
17241355	6,528094	6,218729	6,484612	6,642848	6,929062	6,520104	6,4104783	6,697338	0,28685967	1,219981835	Hkdc1
17278860	4,882815	4,958122	5,153797	5,168815	5,455195	5,231373	4,9982447	5,285127667	0,286883	1,220001566	Mirg
17204077	4,603488	4,247787	3,854496	4,550966	4,559052	4,45676	4,235257	4,522259333	0,28700233	1,220102484	---
17393960	6,124968	5,880379	5,816184	6,467885	6,220098	5,994572	5,9405103	6,227518333	0,287008	1,220107276	---
17202201	3,35309	3,7094	2,764649	3,775736	3,184395	3,728077	3,275713	3,562736	0,287023	1,220119962	---
17475182	6,053952	6,099089	5,897024	6,447021	6,206676	6,257636	6,0166883	6,303777667	0,28708933	1,220176063	Zfp526
17501440	6,205978	6,346255	5,292902	6,545101	6,210323	5,951108	5,9483783	6,235510667	0,28713233	1,220212431	Ddx60
17456414	4,197268	4,204546	3,883537	4,389265	4,30212	4,455667	4,095117	4,382350667	0,28723367	1,22029814	Asb15
17484925	5,423596	5,337448	5,884015	5,722546	5,986367	5,797884	5,548353	5,835599	0,287246	1,220308572	Efcab4a
17209727	4,85029	4,249367	3,446679	4,615691	4,367158	4,425269	4,182112	4,469372667	0,28726067	1,220320978	---
17486646	2,719605	3,201828	2,966286	3,266328	3,283028	3,200157	2,962573	3,249837667	0,28726467	1,220324362	Vmn1r86
17223346	4,672817	4,312549	4,24862	4,74478	4,856297	4,494946	4,4113287	4,698674333	0,28734567	1,220392879	---
17209929	7,100846	7,199098	6,120278	6,946222	7,379713	6,95657	6,8067407	7,094168333	0,28742767	1,220462246	---
17481123	4,680162	4,919599	4,472021	4,613047	5,353051	4,968112	4,690594	4,97807	0,287476	1,220503134	Olfr547
17206181	6,841282	7,255848	7,008028	7,035882	7,439183	7,49269	7,0350527	7,322585	0,28753233	1,220550793	---
17201779	3,738536	3,531192	4,230353	3,883965	4,248964	4,229798	3,8333603	4,120909	0,28754867	1,220564611	---
17201955	3,738536	3,531192	4,230353	3,883965	4,248964	4,229798	3,8333603	4,120909	0,28754867	1,220564611	---
17482752	6,430614	6,508222	5,971801	6,477077	6,566862	6,729347	6,3035457	6,591095333	0,28754967	1,220565457	2010110P09Rik
17202299	4,675777	4,389253	4,762839	4,918059	5,125103	4,647749	4,6092897	4,896970333	0,28768067	1,220676292	---
17435811	6,253841	6,186302	6,380746	6,606514	6,719728	6,357825	6,2736297	6,561355667	0,287726	1,22071465	Kcnk3
17417551	5,367599	5,011618	5,316669	5,357228	5,543445	5,658405	5,231962	5,519692667	0,28773067	1,220718598	Zswim5
17200795	5,346297	5,571959	5,422991	5,875042	5,899027	5,430944	5,4470823	5,735004333	0,287922	1,220880503	---
17536254	5,015742	5,40231	5,148569	5,303091	5,667593	5,459744	5,1888737	5,476809333	0,28793567	1,220892069	Arx
17214892	4,045091	3,857311	4,5667	4,385117	4,430901	4,517169	4,1563673	4,444395667	0,28802833	1,220970491	---
17237004	3,930325	4,08993	4,246967	4,357954	4,259819	4,514743	4,089074	4,377505333	0,28843133	1,221311603	---
17323192	8,558498	8,355294	8,063387	8,630238	8,368689	8,843769	8,3257263	8,614232	0,28850567	1,221374531	Snai2
17471245	3,834364	3,977022	3,91916	3,923372	4,297468	4,375249	3,910182	4,198696333	0,28851433	1,221381868	---
17527312	5,285924	4,918476	5,198706	5,414619	5,648512	5,205651	5,1343687	5,422927333	0,28855867	1,221419401	Chrna3
17549178	4,553	4,103926	4,474424	4,743271	4,526709	4,727102	4,3771167	4,665694	0,28857733	1,221435205	---
17399883	4,052425	3,937835	4,171864	4,58346	4,200094	4,244409	4,0540413	4,342654333	0,288613	1,221465402	Sprr2h
17364176	5,603895	5,523188	5,529237	5,847662	5,783602	5,891051	5,5521067	5,840771667	0,288665	1,221509429	Ankrd1
17210445	5,963016	5,184598	5,489086	5,845543	5,610122	6,04705	5,5455667	5,834238333	0,28867167	1,221515074	---
17202327	5,874768	6,124129	6,432083	6,593092	6,056789	6,647116	6,14366	6,432332333	0,28867233	1,221515638	---
17201785	4,754979	4,637797	4,830624	4,930853	5,233356	4,925235	4,7411333	5,029814667	0,28868133	1,221523258	---
17201961	4,754979	4,637797	4,830624	4,930853	5,233356	4,925235	4,7411333	5,029814667	0,28868133	1,221523258	---
17253996	7,255816	7,214249	6,927657	7,33448	7,500323	7,429327	7,132574	7,421376667	0,28880267	1,221625995	Tmem98
17211809	4,52949	4,298243	4,421999	4,60206	4,74424	4,770051	4,4165773	4,705450333	0,288873	1,221685552	---
17499818	4,093773	3,781674	3,783898	4,393769	4,352332	3,779983	3,8864483	4,175361333	0,288913	1,221719425	Defb2
17516314	3,835935	3,577	3,913276	4,043059	4,022298	4,126995	3,7754037	4,064344667	0,288941	1,221743137	---
17210399	5,784386	6,8118	6,400323	6,570873	6,474864	6,817898	6,3321697	6,62121667	0,289042	1,221828671	---
17205421	5,753534	5,423465	5,551106	6,527297	5,59022	5,47791	5,576035	5,865142333	0,28910733	1,221884004	---
17527004	8,114656	7,731572	7,855947	8,053659	8,396204	8,119818	7,900725	8,189893667	0,28916867	1,221935951	Fdx1
17465731	5,602818	5,951536	5,478517	5,753105	6,080148	6,067531	5,6776237	5,966928	0,28930433	1,222050863	---
17476639	8,877339	9,120678	8,836903	8,943752	9,162224	9,596865	8,9449733	9,234280333	0,289307	1,222053122	---
17377475	5,193786	5,465087	5,273018	5,240761	6,024938	5,534522	5,3106303	5,600073667	0,28944333	1,222168611	E130215H24Rik
17366355	6,845553	6,75634	5,9983	7,099449	6,734757	6,634475	6,5333977	6,822893667	0,289496	1,222213228	Csprs
17354189	8,386965	8,483563	8,381518	8,790048	8,721092	8,609558	8,4173487	8,706899333	0,28955067	1,222259541	Mcc
17495363	3,924883	3,978787	3,852745	4,08888	4,208606	4,327953	3,918805	4,208479667	0,28967467	1,222364599	1700003G18Rik
17471445	5,165863	4,885766	5,485657	5,42561	5,514822	5,46607	5,1790953	5,4688 34	0,28973867	1,222418826	4930431A04Rik
17454654	6,494885	6,386295	6,60232	6,939887	6,788842	6,624199	6,4945	6,784309333	0,28980933	1,222478704	---
17204797	3,99217	5,103727	5,333152	4,346232	5,164009	5,788385	4,809683	5,099542	0,289859	1,22252079	---
17331518	3,577183	3,53536	3,590959	3,513577	4,088166	3,971788	3,567834	3,857843667	0,29000967	1,22264847	Lipi
17203245	6,489191	6,125751	6,127992	6,132755	6,862203	6,61834	6,2476447	6,537766	0,29012133	1,222743108	---
17416891	5,871132	5,856979	6,206253	6,185152	6,37896	6,240706	5,9781213	6,268272667	0,29015133	1,222768535	---
17207713	3,829894	4,719971	4,180264	4,132608	4,578268	4,889829	4,2433763	4,533568333	0,290192	1,222803003	---
17207741	4,256846	4,716884	5,051775	4,585096	5,478314	4,832914	4,6751683	4,965441333	0,290273	1,222871659	---
17492299	5,257487	5,071811	5,074776	5,196271	5,879074	5,199603	5,1346913	5,424982667	0,29029133	1,222887199	---
17206315	3,301089	3,606339	3,560016	3,713624	4,105318	3,519437	3,489148	3,779459667	0,29031167	1,222904434	---
17384252	9,284981	9,39703	9,499968	9,623384	9,70905	9,720567	9,393993	9,684333667	0,29034067	1,222929016	Gapvd1
17401749	5,298277	5,185987	5,099001	5,600502	5,296308	5,557606	5,1944217	5,484805333	0,29038367	1,222965467	Wdr47
17278628	9,672644	9,576976	9,710903	9,883904	10,17133	9,776505	9,6535077	9,943913	0,29040533	1,222983834	Slc25a47
17404698	3,279979	3,236509	3,19781	3,59099	3,639364	3,355365	3,2380993	3,528573	0,29047367	1,223041762	---
17202395	5,224509	5,184185	5,628899	5,523859	5,233178	6,152033	5,3458643	5,636356667	0,29049233	1,223057586	---

17203875	5,291951	5,801123	5,839296	6,193631	5,914469	5,695757	5,6441233	5,934619	0,29049567	1,223060412	---	
17547851	7,106714	7,072255	7,114569	7,402382	7,434516	7,328182	7,097846	7,38836	0,290514	1,223075955	Gm20290	
17507906	3,405919	3,437587	3,689413	3,481156	3,925484	3,9982	3,510973	3,801613333	0,29064033	1,223183061	---	
17206255	3,566458	4,534676	3,928866	4,560895	3,933184	4,407859	4,01	4,300646	0,290646	1,223187866	---	
17226605	4,377517	4,95376	4,937664	4,926263	5,013515	5,201211	4,7563137	5,046996333	0,29068267	1,223218954	Daf2	
17210025	3,487291	3,212444	3,963064	3,951428	3,692631	3,891103	3,5542663	3,845054	0,29078767	1,223307984	---	
17489610	7,531608	8,00769	7,278557	7,985619	7,883607	7,821041	7,6059517	7,896755667	0,290804	1,223321833	Pdcd2l	
17318089	4,339696	4,121561	3,829893	4,386973	4,574605	4,202358	4,09705	4,387978667	0,29092867	1,223427548	Ly6c1	
17518189	4,562455	4,761837	4,857436	4,805488	5,189506	5,060051	4,7272427	5,018348333	0,29110567	1,223577656	---	
17381630	6,729406	6,738822	6,685042	7,212364	7,077857	6,736602	6,7177567	7,008941	0,29118433	1,223644376	Pfkfb3	
17539107	4,938989	4,964831	4,926746	5,275615	5,229797	5,198762	4,943522	5,234724667	0,29120267	1,223659926	Gm6568	
17487511	6,666412	6,335159	5,756618	6,604368	6,495772	6,53175	6,2527297	6,543963333	0,29123367	1,22368622	Vmn1r93	
17487605	6,666412	6,335159	5,756618	6,604368	6,495772	6,53175	6,2527297	6,543963333	0,29123367	1,22368622	Vmn1r93	
17296889	5,095637	5,879611	4,376386	5,644788	4,868594	5,712303	5,1172113	5,408561667	0,29135033	1,22378518	---	
17533911	6,268768	5,319441	4,926401	6,336061	5,129498	5,923255	5,50487	5,796271333	0,29140133	1,223828442	Gm10486	
17533965	6,268768	5,319441	4,926401	6,336061	5,129498	5,923255	5,50487	5,796271333	0,29140133	1,223828442	Gm10486	
17533981	6,268768	5,319441	4,926401	6,336061	5,129498	5,923255	5,50487	5,796271333	0,29140133	1,223828442	Gm10486	
17540793	6,268768	5,319441	4,926401	6,336061	5,129498	5,923255	5,50487	5,796271333	0,29140133	1,223828442	Gm10486	
17540824	6,268768	5,319441	4,926401	6,336061	5,129498	5,923255	5,50487	5,796271333	0,29140133	1,223828442	Gm2012 // Gm2012	
17202913	4,602653	4,660424	4,494872	4,767202	4,861821	5,003306	4,585983	4,877443	0,29146	1,22387821	---	
17514930	3,555416	3,332426	3,475351	3,62639	4,02271	3,588634	3,4543977	3,745911333	0,29151367	1,223923737	Olfr851	
17235227	6,678133	6,682281	6,732126	6,942556	7,099132	6,925454	6,6975133	6,989047333	0,291534	1,223940988	Cirbp	
17431619	9,145749	9,348386	9,181065	9,34328	9,784492	9,42229	9,2250667	9,516687333	0,29162067	1,224014515	C1qa	
17366657	5,705054	5,004618	5,505907	5,765531	5,71846	5,607172	5,405193	5,697054333	0,29186133	1,224218719	---	
17366511	10,54616	10,17436	9,948922	10,35629	10,56345	10,6254	10,223147	10,51504667	0,29189933	1,224250965	Phyh	
17238742	4,383343	5,053125	4,564168	4,754529	5,055983	5,066239	4,6668787	4,958917	0,29203833	1,224368924	Rmnd1	
17201713	7,152476	6,745132	7,624981	7,620333	7,349764	7,428877	7,1741963	7,466324667	0,29212833	1,224445307	---	
17201889	7,152476	6,745132	7,624981	7,620333	7,349764	7,428877	7,1741963	7,466324667	0,29212833	1,224445307	---	
17333840	3,603263	3,504569	3,370911	4,058703	3,562837	3,733606	3,4929143	3,785048667	0,29213433	1,224450399	Vmn1r224	
17505328	4,784257	4,780226	4,582427	4,758063	5,302084	4,963247	4,7156367	5,007798	0,29216133	1,224473315	D030068K23Rik	
17310349	9,616735	9,58441	9,520284	9,796318	9,97102	9,830585	9,5738097	9,865974333	0,29216467	1,224476144	Amacr	
17421423	6,534625	5,73575	6,083484	6,66377	6,414219	6,152574	6,117953	6,410187667	0,29223467	1,224535557	---	
17357914	6,241786	5,462381	5,24121	6,032792	6,356901	5,432438	5,648459	5,940710333	0,29225133	1,224549704	Olfr1467	
17453020	3,534421	3,739944	3,590813	3,824734	4,114688	3,802572	3,621726	3,913998	0,292272	1,224567246	Gm4868	
17203939	3,939862	3,183874	3,287455	3,780203	3,790778	3,717032	3,470397	3,762671	0,292274	1,224568943	---	
17317652	11,35181	11,15088	11,39694	11,42474	11,69356	11,65821	11,299877	11,59217	0,29229333	1,224585354	Ndrg1	
17306360	6,549801	5,956409	6,820039	6,701548	6,808158	6,693791	6,442083	6,734499	0,292416	1,22468948	---	
17550562	8,005554	8,402956	7,691267	8,266972	8,749704	7,960595	8,033259	8,325757	0,292498	1,224759091	---	
17404796	10,07015	10,18204	9,929701	10,12985	10,50954	10,42002	10,06063	10,35313667	0,29250633	1,224766165	Anxa5	
17209125	5,350081	5,508633	5,470769	5,656463	5,558111	5,992473	5,443161	5,735682333	0,29252133	1,224778899	---	
17230750	5,741767	5,975797	6,333413	6,129892	6,285835	6,512822	6,0169923	6,309516333	0,292524	1,224781163	Mir1981	
17355722	4,509629	4,776075	4,612683	4,673618	5,185578	4,916839	4,6327957	4,925345	0,29254933	1,22480267	Sall3	
17203415	7,220469	6,588133	6,812803	7,306121	7,254584	6,938422	6,8738017	7,166375667	0,292574	1,224823612	---	
17443275	6,587788	6,665885	6,475867	6,756654	6,77823	7,072432	6,5765133	6,869105333	0,292592	1,224838894	Rhbdd2	
17472111	6,468552	6,656484	6,153814	6,699578	6,979581	6,477555	6,4262833	6,718904667	0,29262133	1,224863798	---	
17203549	6,606921	6,280789	6,672125	7,121275	6,811639	6,504914	6,519945	6,812609333	0,29266433	1,224900306	---	
17238824	7,079593	6,668184	7,430003	7,655102	7,304347	7,096802	7,05926	7,352083667	0,29282367	1,225035593	Syne1	
17380040	5,064303	4,584427	4,768548	4,894998	5,304372	5,096437	4,8057593	5,098602333	0,292843	1,225052009	Bcas1	
17294154	4,95738	4,899655	4,837543	5,214553	5,146416	5,212193	4,8981927	5,191054	0,29286133	1,225067577	Med10	
17487550	6,640527	6,298728	5,721928	6,533989	6,479736	6,526222	6,2203943	6,513315667	0,29292133	1,225118527	Vmn1r114	
17428873	6,105704	6,703051	6,790361	6,497536	6,847852	7,132938	6,5330387	6,826108667	0,29307	1,22524478	---	
17525696	4,253389	4,69121	5,374218	5,238411	4,709239	5,250786	4,772939	5,066145333	0,29320633	1,22536057	Olfr917	
17366800	5,251518	4,770258	4,905837	5,647919	5,093915	5,065523	4,975871	5,269119	0,293248	1,22539596	Mir669g	
17366836	5,251518	4,770258	4,905837	5,647919	5,093915	5,065523	4,975871	5,269119	0,293248	1,22539596	Mir669g	
17484261	4,182633	3,979358	4,286826	4,635432	4,429198	4,263953	4,1496057	4,442861	0,29325533	1,225402189	Mir1962	
17238912	8,37944	8,581057	8,2964	8,937726	8,66854	8,530467	8,4189657	8,712244333	0,29327867	1,225422008	Syne1	
17205921	3,738181	4,568571	4,020333	4,824327	4,432516	3,950107	4,1090283	4,402316667	0,29328833	1,225430219	---	
17392333	10,02279	10,04471	10,08766	10,27938	10,49661	10,2597	10,05172	10,34523	0,29351	1,225618518	Rrbp1	
17200223	3,657459	3,420638	3,90381	3,9653	3,803821	4,093499	3,6606357	3,954206667	0,293571	1,22567034	---	
17355549	3,95219	4,063194	4,060501	4,110888	4,65658	4,189188	4,025295	4,318885333	0,29359033	1,225686765	Pstpip2 // Pstpip2	
17367157	3,729772	3,795561	3,65767	4,121147	3,981666	3,960984	3,7276677	4,021265667	0,293598	1,225693279	---	
17317458	3,510207	3,125024	3,070565	3,547253	3,696534	3,342813	3,2352653	3,528866667	0,29360133	1,225696111	Gsdmc3	
17428867	3,189692	4,554101	5,762578	5,533587	3,744872	5,108882	4,5021237	4,795780333	0,29365667	1,225743122	---	
17200653	4,719132	4,080759	4,272179	4,867023	4,090395	4,995652	4,3573567	4,651023333	0,29366667	1,225751619	---	
17402481	4,365982	4,738467	4,15353	4,723451	4,921373	4,494336	4,4193263	4,713053333	0,293727	1,22580288	Mir302d	
17241962	10,78531	10,92248	10,83391	11,11937	11,16925	11,13445	10,847233	11,14102333	0,29379	1,22585641	Mif	
17200497	6,137903	5,897879	5,903225	6,461771	6,16152	6,197265	5,979669	6,273518667	0,29384967	1,22590711	---	
17548417	4,90709	5,094833	5,314688	5,45573	5,431336	5,311294	5,105537	5,399453333	0,29391633	1,22596376	Gm19648	
17208359	7,195147	7,252271	7,768897	7,365579	7,980057	7,752502	7,4054383	7,699379333	0,293941	1,225984722	---	
17415764	3,680286	3,893201	3,758865	4,302851	4,094539	3,816986	3,7774507	4,071458667	0,294008	1,226041659	---	
17329842	8,509545	8,139505	8,517	8,930953	8,556746	8,560402	8,3886833	8,682700333	0,294017	1,226049307	Mir1946a	
17319207	6,293544	6,134175	6,200788	6,611861	6,388606	6,51053	6,2095023	6,503665667	0,29416333	1,226173672	Csnk1e	
17381035	6,112525	6,186473	5,933821	6,59029	6,107794	6,417435	6,0776063	6,371839667	0,29423333	1,226233168	Slc2a4rg-ps	
17201349	5,526079	5,393452	5,892003	6,267109	5,793006	5,634752	5,6038447	5,898289	0,29444433	1,226412523	---	
17331059	4,878473	5,273469	5,08841	5,004341	5,605385	5,514235	5,0801173	5,374653667	0,29453633	1,226490733	Gpr128	
17207399	3,173442	3,648584	3,693781	4,053318	3,507554	3,83865	3,505269	3,799840667	0,29457167	1,226520772	---	
17460587	8,406651	8,539244	8,789062	8,932279	8,461569	9,224858	8,578319	8,872902	0,294583	1,226530407	---	
17202605	3,571003	4,251011	3,450974	3,975453	3,969286	4,21275	3,7576627	4,052496333	0,29483367	1,226743534	---	
17221510	4,135471	3,762044	4,064319	4,422491	4,057369	4,366734	3,987278	4,282198	0,29492	1,226816946	---	
17350856	4,604295	4,417675	4,624773	4,861149	4,804997	4,865448	4,5489143	4,843864667	0,29495033	1,226842741	Slc27a6	
17306862	7,165126	7,695527	7,606069	7,580245	7,770533	8,001061	7,4889073	7,783946333	0,295039	1,226918144	---	
17258285	6,944724	6,55415	6,677348	6,948746	7,256433	6,856178	6,7254073	7,020452333	0,295045	1,226923246	---	
17387561	3,289249	3,417316	3,517266	3,873879	3,569373	3,66574	3,4079437	3,702997333	0,29505367	1,226930617	4930443O20Rik // 4930443O20Rik	
17204389	6,647872	6,640615	6,457332	6,997288	6,825251	6,808467	6,5819397	6,877002	0,29506233	1,226937987	---	
17519112	5,39081	5,692433	5,362232	5,863955	5,625005	5,842463	5,481825	5,777141	0,295316	1,227153737	Aldh1a2	
17474738	6,720731	6,378706	5,964099	6,596653	6,82526	6,527633	6,354512	6,649848667	0,29533667	1,227171316	Vmn1r112	
17207993	3,117283	3,29143	3,497859	3,700448	3,915363	3,178105	3,3021907	3,597972	0,29578133	1,227549612	---	
17531217	6,30628	6,519029	6,543515	6,654084	6,943755	6,658459	6,4562747	6,752099333	0,29582467	1,227586484	Wdr6	
17371451	4,893723	4,938477	4,917471	5,127425	5,49683	5,013019	4,916557	5,212424667	0,29586767	1,227623073	Kbtbd10	
17320885	6,309088	6,260208	6,3449	6,772444	6,365713	6,663743	6,304732	6,600633333	0,29590133	1,227651721	E330033B04Rik	
17205575	3,880041	4,340383	3,651108	4,800483	4,322073	3,636688	3,9571773	4,253081333	0,295904	1,22765399	---	
17514910	3,676763	3,858281	3,407457	4,249799	3,508538	4,072042	3,6475003	3,943459667	0,29595933	1,227701077	Olfr830	
17200257	6,593978	7,254765	6,944843	7,452206	7,304206	6,925094	6,9311953	7,227168667	0,29597333	1,227712991	---	
17459300	3,751046	3,747995	4,188089	4,419181	4,146668	4,009316	3,89571	4,191721667	0,29601167	1,227745612	---	
17241912	9,805373	9,85892	9,843538	9,961328	10,2259	10,20888	9,8359437	10,132036	0,29609233	1,227814262	Ddt	
17549200	7,691082	7,910542	8,12435	8,24633	8,239305	8,128651	7,908658	8,204762	0,296104	1,227824191	---	
17388389	7,108321	6,837954	6,803788	7,197436	7,371571	7,069484	6,9166877	7,212830333	0,29614267	1,227857099	Cry2	
17210557	5,165044	5,225996	5,093105	6,304203	5,241523	4,827296	5,1613817	5,457674	0,29629233	1,227984485	---	
17307213	2,84723	3,28782	3,275955	3,553783	3,462083	3,284154	3,1370017	3,43334	0,29633833	1,22802364	Zdhhc20	
17209049	3,535548	3,272723	3,460576	3,850379	3,632748	3,674854	3,422949	3,719327	0,296378	1,228057405	---	
17267556	4,272442	4,394316	4,219434	4,426078	4,57548	4,774042	4,2953973	4,591866667	0,29646933	1,228135152	2010015M23Rik	
17375111	7,076126	6,980625	7,230182	7,472335	7,351691	7,352449	7,0956443	7,392158333	0,296514	1,228173177	Stard9	
17200961	6,564103	6,975242	6,972594	7,07799	7,200893	7,122713	6,837313	7,133865333	0,29655233	1,22820581	---	
17486517	3,546128	3,656917	3,562905	3,988047	4,011131	3,656431	3,58865	3,885203	0,296553	1,228206378	Vmn1r76	
17202991	4,613004	4,29332	4,182493	4,618406	5,089368	4,270716	4,362939	4,659496667	0,29655767	1,228210351	---	
17208891	4,116537	3,95371	3,904367	4,337186	4,643335	3,884102	3,991538	4,288207667	0,29666967	1,228305704	---	
17494259	4,38383	4,002836	3,951159	4,39022	4,261883	4,576928	4,1126083	4,409677	0,29706867	1,228645458	---	
17203833	4,543187	5,555296	4,596269	5,07867	5,347865	5,159956	4,8982507	5,195497	0,29724633	1,228796774	---	
17330321	4,797395	5,146403	4,869432	5,105654	5,355747	5,243657	4,9377433	5,235019333	0,297276	1,228822042	BC031361	
17439184	7,594724	7,316505	7,215355	7,693604	7,742161	7,582747	7,375528	7,672837333	0,29730933	1,228850434	Ccng2	
17278755	4,360708	3,714684	4,5164	4,348038	4,623754	4,512131	4,197264	4,494641	0,297377	1,228908072	Mir370	
17201729	4,398229	4,974053	4,874574	4,308001	5,314318	5,516962	4,748952	5,046427	0,297475	1,228991553	---	
17201905	4,398229	4,974053	4,874574	4,308001	5,314318	5,516962	4,748952	5,046427	0,297475	1,228991553	---	
17335798	5,81145	5,860538	5,853332	5,991879	6,38073	6,045228	5,8417733	6,139279	0,29750567	1,229017677	Ubash3a	
17248066	8,148977	7,933194	7,707174	8,029233	8,566843	8,085876	7,9297817	8,227317333	0,29753567	1,229043234	---	
17459423	10,25343	10,00235	9,708834	10,56639	9,742113	10,54901	9,9882047	10,28583767	0,297633	1,229126156	---	
17545269	6,145081	5,20489	4,963879	6,044228	5,452339	5,710392	5,43795	5,735653	0,297703	1,229185795	---	
17545273	6,145081	5,20489	4,963879	6,044228	5,452339	5,710392	5,43795	5,735653	0,297703	1,229185795	---	
17407010	5,503294	5,106389	5,27302	5,631353	5,569763	5,574784	5,2942343	5,591966667	0,29773233	1,229210788	Efna4	
17317213	6,872746	6,967957	6,451573	6,608117	7,392505	7,184942	6,764092	7,061854667	0,29776267	1,229236633	---	
17209869	6,198884	5,506223	6,509805	6,236258	6,481571	6,390627	6,0716373	6,369485333	0,297848	1,229309342	---	
17207017	5,870903	6,076055	6,700216	6,844411	6,434754	6,261978	6,2157247	6,513714333	0,29798967	1,229430061	---	
17203071	6,620794	6,781596	6,919427	7,224621	6,74673	7,244489	6,773939	7,071946667	0,29800767	1,229445401	---	
17258230	6,431723	6,557502	6,51586	6,757785	6,904213	6,737168	6,501695	6,799722	0,298027	1,229461876	Armc7	
17384449	7,708571	7,544953	7,548845	8,355219	7,592707	7,748588	7,6007897	7,898838	0,29804833	1,229480057	---	
17203269	5,569743	5,335515	4,675798	5,450037	5,874921	5,150312	5,1936853	5,491756667	0,29807133	1,229499658	---	
17210561	7,351175	6,900289	6,296346	7,341392	6,784848	7,315799	6,84927	7,147346333	0,29807633	1,229503919	---	
17516594	10,4613	10,48001	10,37549	10,72899	10,87698	10,60521	10,438933	10,73706	0,29812667	1,229546815	Slc37a4	
17318118	5,315471	4,802018	4,896525	5,398011	5,310126	5,200263	5,0046713	5,3028	0,29812867	1,22954852	9030619P08Rik	
17353378	5,333144	5,012881	5,168193	5,475135	5,34318	5,590657	5,171406	5,469657333	0,29825133	1,229653068	Epb4.1l4a	
17473246	4,29648	4,0958	4,445327	4,651839	4,424344	4,656188	4,2792023	4,577457	0,29825467	1,229655909	---	
17203739	4,253648	4,39362	4,639059	4,586379	4,113695	5,481283	4,4287757	4,727119	0,29834333	1,229731485	---	
17427131	5,476537	4,966733	5,372156	5,60243	5,448853	5,659534	5,2718087	5,570272333	0,29846367	1,229834059	Mir31	
17233873	9,795946	9,554302	9,380868	9,940021	9,91349	9,773015	9,5770387	9,875508667	0,29847	1,229839458	Pbld1	

17545227	6,891094	6,572347	6,340476	7,033664	6,792751	6,873224	6,6013057	6,899879667	0,298574	1,229928117	---
17545275	6,891094	6,572347	6,340476	7,033664	6,792751	6,873224	6,6013057	6,899879667	0,298574	1,229928117	---
17207897	4,816551	5,224979	4,454833	5,081405	5,083292	5,227684	4,832121	5,130793667	0,29867267	1,230012235	---
17208931	6,102566	6,056639	6,165815	6,248388	6,507926	6,465245	6,10834	6,407186333	0,29884633	1,230160309	---
17263006	9,33812	9,403769	9,093717	9,496066	9,611008	9,625091	9,2785353	9,577388333	0,298853	1,230165994	---
17348726	5,258367	5,327481	5,531298	5,612919	5,658298	5,742947	5,372382	5,671388	0,299006	1,230296461	Dsg1a
17205687	5,790921	6,076416	5,848452	6,464851	5,994499	6,153476	5,905263	6,204275333	0,29901233	1,230301862	---
17254085	5,008848	4,702981	4,553606	5,00906	5,039802	5,113721	4,755145	5,054194333	0,29904933	1,230333416	Gm11426
17214106	11,95703	12,24738	12,03014	12,41506	12,46706	12,25005	12,078183	12,37739	0,29920667	1,230467597	Igfbp2
17207557	5,971956	5,741414	5,84195	6,118725	6,538558	5,795929	5,8517733	6,151070667	0,29929733	1,230544929	---
17407507	5,220503	4,535361	4,757493	5,158628	5,308768	4,944135	4,8377857	5,137177	0,29939133	1,230625109	Tdpoz2 // Tdpoz2
17277134	8,660474	8,331	8,137733	8,562595	8,463962	9,000847	8,3764023	8,675801333	0,299399	1,230631648	Acot2
17237681	5,449166	5,744493	5,783451	5,972471	5,782654	6,120306	5,6590367	5,958477	0,29944033	1,230666906	9230105E05Rik
17372898	3,297449	3,13571	3,342632	3,551658	3,414726	3,707947	3,258597	3,558110333	0,29951333	1,230729179	Olfr1168
17237887	5,020354	4,820104	4,680975	5,315063	5,215914	4,889232	4,8404777	5,140069667	0,299592	1,23079629	Cyp27b1
17200903	3,863265	3,128647	3,404309	3,795586	4,297967	3,201539	3,465407	3,765030667	0,29962367	1,230823306	---
17209685	2,851517	2,774894	3,153102	3,226818	3,367237	3,084795	2,9265043	3,226283333	0,299779	1,230955834	---
17250249	4,530835	4,585583	4,472221	4,819568	4,722982	4,945519	4,5295463	4,829356333	0,29981	1,230982285	Nlrp3
17239472	7,389567	6,828366	7,245695	7,2712	7,722997	7,368906	7,1545427	7,454367667	0,299825	1,230995084	---
17206423	4,730786	5,728597	4,88035	5,617038	5,497788	5,124446	5,1132443	5,413090667	0,29984633	1,231013287	---
17267885	4,502813	4,468157	4,422777	4,806968	4,707963	4,778644	4,4645823	4,764525	0,29994267	1,231095488	Cacna1g
17518138	4,036185	4,053869	4,272024	4,568216	4,278444	4,415778	4,1206927	4,420812667	0,30012	1,231246821	I730028E13Rik
17483842	6,453982	6,669132	6,601689	6,930504	6,919018	6,776313	6,5749343	6,875278333	0,300344	1,231438006	Tacc2
17300371	6,193632	6,845763	7,501348	7,80964	7,129508	6,502848	6,8469143	7,147332	0,30041767	1,231500887	---
17244601	3,758213	3,454647	3,552353	3,846372	3,841776	3,97847	3,5884043	3,888872667	0,30046833	1,231544137	Nts
17201769	4,644686	4,430296	4,525867	4,695526	5,111393	4,695377	4,5336163	4,834098667	0,30048233	1,231556088	---
17201945	4,644686	4,430296	4,525867	4,695526	5,111393	4,695377	4,5336163	4,834098667	0,30048233	1,231556088	---
17509111	6,211597	6,258057	5,557294	6,041421	6,43985	6,4472	6,0089827	6,309490333	0,30050767	1,231577714	---
17200695	5,300261	5,927418	5,62997	6,459654	6,067823	5,231718	5,6192163	5,919731667	0,30051533	1,231584259	---
17462472	8,401858	8,365775	8,389796	8,605213	8,780954	8,672899	8,3858097	8,686355333	0,30054567	1,231610154	Slc6a12
17208991	6,66128	6,517647	6,949364	7,314551	6,907854	6,807688	6,7094303	7,010031	0,30060067	1,231657108	---
17284582	2,872226	2,869827	2,935025	3,01551	3,41264	3,151173	2,8923593	3,193107667	0,30074833	1,23178318	Ighv1-54
17208307	4,356359	4,932164	5,389506	5,235196	5,071792	5,273399	4,8926763	5,193462333	0,300786	1,23181534	---
17205897	3,823823	2,926248	3,141532	4,199833	2,941362	3,652851	3,2972O1	3,598015333	0,30081433	1,231839532	---
17238930	6,509417	7,163276	6,76017	6,888613	7,258604	7,188465	6,8109543	7,111894	0,30093967	1,231946553	Syne1
17530733	5,369717	5,342839	5,681565	5,653837	5,847036	5,796184	5,464707	5,765685667	0,30097867	1,231979856	Grm2
17524744	4,594788	4,438367	4,234907	4,595289	4,910628	4,665326	4,4226873	4,723747667	0,30106033	1,232049597	Gm7904
17389111	5,897274	4,305043	5,272887	5,526059	5,197149	5,656273	5,1584013	5,459827	0,30142567	1,232361628	---
17487641	5,389475	5,288014	4,915235	5,600728	5,505722	5,390724	5,1975747	5,499058	0,30148333	1,232410888	Vmn1r158
17324662	4,510143	5,709298	5,371119	5,059563	5,677307	5,758152	5,1968533	5,498340667	0,30148733	1,232414305	---
17239528	6,302056	6,471646	6,342504	6,656707	6,79324	6,570746	6,3720687	6,673564333	0,30149567	1,232421424	Ccdc28a
17206261	3,960602	3,91022	3,960068	4,490856	4,032007	4,212731	3,94363	4,245198	0,301568	1,232483216	---
17487568	6,605115	6,294824	5,706012	6,548716	6,418547	6,54349	6,2019837	6,503584333	0,30160067	1,232511123	Vmn1r126
17475207	7,617321	8,128536	6,451573	7,329618	7,850843	7,921971	7,3991433	7,700810667	0,30166733	1,232568079	---
17455668	5,392838	5,458007	5,279222	5,838964	5,618659	5,577659	5,376689	5,678427333	0,30173833	1,232628739	Gm3139
17545233	6,872277	6,549121	6,32323	7,081534	6,746721	6,821675	6,5815427	6,88331	0,30176733	1,232653517	---
17545239	6,872277	6,549121	6,32323	7,081534	6,746721	6,821675	6,5815427	6,88331	0,30176733	1,232653517	---
17545263	6,872277	6,549121	6,32323	7,081534	6,746721	6,821675	6,5815427	6,88331	0,30176733	1,232653517	---
17545267	6,872277	6,549121	6,32323	7,081534	6,746721	6,821675	6,5815427	6,88331	0,30176733	1,232653517	---
17200681	4,034837	4,407928	4,042764	4,368664	5,095465	3,926763	4,161843	4,463630667	0,30178767	1,23267089	---
17359941	6,983242	7,801041	7,208041	7,631942	7,75392	7,511925	7,3307747	7,632595667	0,301821	1,232699371	---
17514662	3,397143	3,46003	3,549263	3,792833	3,49295	4,026123	3,468812	3,770635333	0,30182333	1,232701365	---
17327720	6,64138	6,439077	6,320116	6,74418	6,842434	6,720531	6,4668577	6,769048333	0,30219067	1,23301527	Adcy9
17330099	8,090379	8,788276	7,285336	8,466277	8,433286	8,171188	8,0546637	8,356917	0,30225333	1,23306883	Parp14
17204095	3,507882	4,188262	3,791094	4,797246	4,07809	3,519031	3,8290793	4,131455667	0,30237633	1,233173962	---
17516871	7,223583	7,355609	7,137518	7,596599	7,369007	7,658261	7,2389033	7,541289	0,30238567	1,23318194	Sik3
17257579	5,404108	5,197652	5,384755	5,476298	5,709434	5,708223	5,3288383	5,631318333	0,30248	1,233262577	2310007L24Rik
17205993	5,549324	5,240652	3,968962	5,698868	5,142187	4,825539	4,919646	5,222198	0,302552	1,233324126	---
17206995	2,528048	3,692122	3,371709	3,546807	3,499334	3,453524	3,197293	3,499888333	0,30259533	1,233361171	---
17509531	4,365895	4,303659	4,589318	4,570789	5,113445	4,482763	4,419624	4,722332333	0,30270833	1,233457779	1700001D01Rik
17351465	7,176805	7,43426	7,545897	7,496029	7,945786	7,623507	7,385654	7,688440667	0,30278667	1,233524753	Tubb6
17211850	4,758284	5,026613	5,135242	4,78123	5,719792	5,327785	4,9733797	5,276269	0,30288933	1,233612538	Cox5b
17336951	6,476089	7,83724	7,896969	7,923952	7,107009	8,088462	7,4034327	7,706474333	0,30304167	1,233742801	---
17200449	6,846773	7,002509	7,342864	7,692634	7,120534	7,288596	7,0640487	7,367254667	0,303206	1,233883341	---
17209613	3,709438	3,604985	3,554011	3,704082	3,896341	4,177652	3,6228113	3,926025	0,30321367	1,233889898	---
17212688	4,41245	4,568129	4,550374	4,840509	4,973197	4,626965	4,5103177	4,813557	0,30323933	1,23391185	---
17200733	4,538551	4,42371	3,607037	4,682423	4,200791	4,596473	4,189766	4,493229	0,303463	1,234103163	---
17204597	7,384985	7,556424	7,627593	7,754256	8,03574	7,689431	7,5230007	7,826475667	0,303475	1,234113428	---
17208699	5,845761	6,055066	6,048925	6,590369	6,311737	5,958246	5,9832507	6,286784	0,30353333	1,234163329	---
17221625	5,427366	5,501862	5,506811	6,197505	5,614672	5,534564	5,4786797	5,782247	0,30356733	1,234192415	---
17548630	4,710979	4,473061	4,724664	4,993811	4,975553	4,850122	4,6362347	4,939828667	0,303594	1,234215228	Gm10579
17203765	6,399625	7,115671	6,451816	6,722516	7,308768	6,846697	6,655704	6,959327	0,303623	1,234240037	---
17375961	7,131993	7,23468	7,180242	7,601158	7,466016	7,390669	7,182305	7,485947667	0,30364267	1,234256863	Bcl2l11
17207211	3,566488	3,573079	3,730133	4,473073	3,95425	3,353477	3,6232333	3,926933333	0,3037	1,234305914	---
17441999	6,606867	6,198567	6,709458	6,90367	6,625388	6,897279	6,504964	6,808779	0,303815	1,234404306	Fam109a
17348604	7,986619	7,989618	7,864321	8,131958	8,131111	8,489057	7,9468527	8,250708667	0,303856	1,234439387	Impact
17473629	4,489377	4,56051	4,150277	4,509753	4,936306	4,66585	4,4000547	4,703969667	0,303915	1,234489872	Olfr1336
17431772	5,755828	5,645863	5,754997	6,115579	5,747272	6,205718	5,718896	6,022856333	0,30396033	1,234528663	Vwa5b1
17203949	5,862942	4,656868	5,515254	5,551713	5,398959	5,996699	5,3450213	5,649123667	0,30410233	1,23465018	---
17267039	5,334847	5,273618	5,421174	5,654595	5,612779	5,67493	5,343213	5,647434667	0,30422167	1,234752309	Lhx1
17336042	5,741708	5,875692	6,150856	6,243614	6,162951	6,274664	5,922752	6,227076333	0,30432433	1,234840181	Zfp952
17526382	7,881551	8,022236	7,96981	8,360978	8,213945	8,21172	7,9578657	8,262214333	0,30434867	1,234861009	Mll1
17274703	6,93029	7,366512	6,731971	7,205733	7,263364	7,472757	7,009591	7,313951333	0,30436033	1,234870995	Pxdn
17206881	3,217204	3,393824	3,104701	3,235893	4,024296	3,368718	3,2385763	3,542969	0,30439267	1,234898671	---
17200381	2,784333	2,841374	3,443746	2,850873	3,437371	3,694432	3,023151	3,327558667	0,30440767	1,23491151	---
17278824	5,781918	5,810408	5,746584	5,748375	6,399724	6,104042	5,7796367	6,084047	0,30441033	1,234913793	Mir1193
17216127	5,784613	5,197345	5,807008	5,979959	5,527122	6,195226	5,596322	5,900769	0,304447	1,234945179	Gm7889
17487531	6,255888	6,025587	5,447291	6,267439	6,211561	6,163296	5,9095887	6,214098667	0,30451	1,234999108	Gm10670
17487621	6,255888	6,025587	5,447291	6,267439	6,211561	6,163296	5,9095887	6,214098667	0,30451	1,234999108	Gm10670
17426597	5,296231	5,052608	5,070007	5,588695	5,401994	5,341706	5,1396153	5,444131667	0,30451633	1,23500453	Gm13871
17209807	3,964858	3,953434	4,190292	4,181043	4,537001	4,304403	4,0361947	4,340815667	0,304621	1,235094132	---
17547965	9,560533	9,197186	8,996732	9,329913	9,464645	9,873891	9,2514837	9,556149667	0,304666	1,235132657	Cbr1
17202457	5,148733	4,584251	4,085617	5,160404	3,995381	5,577553	4,6062003	4,911112667	0,30491233	1,235343568	---
17327215	5,742225	5,817163	5,677569	6,272882	5,885113	5,99378	5,7456523	6,050591667	0,30493933	1,235366688	---
17210797	2,950792	3,000335	3,019041	3,326821	3,750235	2,807995	2,990056	3,295017	0,304961	1,235385241	---
17339460	7,239513	7,379088	6,65085	7,306664	7,518567	7,35923	7,089817	7,394820333	0,30500333	1,235421492	Lpin2
17542031	5,334305	5,488406	5,814648	5,733694	6,11256	5,706115	5,5457863	5,850789667	0,30500333	1,235421492	Sox3
17208551	5,199457	5,783951	4,830591	5,631963	5,842484	5,254685	5,271333	5,576377333	0,30504433	1,235456602	---
17221184	3,615637	3,775913	3,482014	3,814809	3,905052	4,068841	3,6245213	3,929567333	0,305046	1,235458029	---
17352517	3,757709	3,709487	4,005953	4,078054	4,263918	4,046586	3,824383	4,129519333	0,30513633	1,235535389	Mkx
17478271	4,383843	4,622597	4,910566	4,804435	5,220796	4,807248	4,639002	4,944159667	0,30515767	1,235553659	---
17540889	7,49166	6,622371	5,825031	7,338719	6,39003	7,125825	6,646354	6,951524667	0,30517067	1,235564792	Gm2913
17210223	6,995491	6,728288	7,336038	7,703202	6,871042	7,40139	7,019939	7,325211333	0,30527233	1,235651866	---
17538809	8,397411	8,80957	8,325028	8,896903	8,754403	8,796651	8,5106697	8,815985667	0,305316	1,235689266	---
17205571	4,623158	3,68946	4,308999	4,569146	4,684436	4,284371	4,2072057	4,512651	0,30544533	1,235800047	---
17208743	4,288762	5,652654	5,71327	5,45348	5,765789	5,35209	5,2182287	5,523786333	0,30555767	1,235896274	---
17206845	4,113924	4,170759	3,902973	4,79497	4,375964	3,933693	4,062552	4,368209	0,305657	1,235981372	---
17364280	7,549266	7,47703	7,237606	7,573288	7,692094	7,915608	7,4213007	7,726996667	0,305696	1,236014784	Myof
17359936	9,679811	9,30687	9,424912	9,295436	10,05441	9,980051	9,470531	9,776632333	0,30610133	1,236362099	---
17342340	6,29051	6,291723	6,37345	6,595392	6,489879	6,874938	6,318561	6,624736333	0,30617533	1,236425517	Msln
17318875	4,988931	5,578094	4,753588	4,784048	6,043657	5,412079	5,106871	5,413261333	0,30639033	1,236609791	---
17544396	3,794907	4,065755	3,664964	4,169671	4,025619	4,249616	3,8418753	4,148302	0,30642667	1,236640934	4930570D08Rik
17202597	5,393376	5,017403	4,92857	5,295004	5,423015	5,540646	5,1131163	5,419555	0,30643867	1,236651221	---
17472916	4,874495	5,016937	4,966301	5,393801	5,081583	5,301731	4,9525777	5,259038333	0,30646067	1,236670079	Gm15762
17538773	9,383032	9,271125	9,360164	9,578729	9,794451	9,560693	9,338107	9,644624333	0,30651733	1,236718654	---
17404534	4,412429	4,683968	4,789072	4,985409	4,845785	4,974027	4,6284897	4,935073667	0,306584	1,236775804	Lrrc31
17381056	6,200185	5,875235	6,210203	6,62902	6,411362	6,165184	6,0952077	6,401855333	0,30664767	1,236830384	Tpd52l2
17404009	6,370936	6,474334	6,434996	6,760091	6,737751	6,702557	6,4267553	6,733466333	0,306711	1,236884682	Gm6194
17416192	3,346954	3,288118	3,63501	3,9771	3,804121	3,409225	3,4233607	3,730148667	0,306788	1,236950699	---
17204353	4,324657	4,00447	3,960692	4,268544	4,185929	4,755839	4,0966063	4,403437333	0,306831	1,236987567	---
17355386	6,055473	6,228376	6,458939	6,60598	6,687487	6,369928	6,247596	6,554465	0,306869	1,237020149	Elac1
17210201	4,947188	4,823389	5,680583	6,126236	4,602239	5,643556	5,1503867	5,457343667	0,306957	1,237095606	---
17205333	3,270892	4,220261	3,578732	4,395923	3,562845	4,032043	3,6899617	3,996937	0,30697533	1,237111327	---
17257052	4,555193	5,455833	5,047825	4,859439	5,683444	5,437044	5,019617	5,326642333	0,30702533	1,237154203	---
17206011	5,484993	4,525267	5,060861	5,920419	4,663317	5,408531	5,023707	5,330755667	0,30704867	1,237174212	---
17204041	6,070235	5,701661	5,074134	6,291708	5,909853	5,565743	5,6153433	5,922434667	0,30709133	1,237210801	---
17397297	7,354225	7,369472	7,331562	7,750154	7,543863	7,682697	7,351753	7,658904667	0,30715167	1,237262542	3110057O12Rik
17203173	7,121213	6,918137	6,950593	7,74797	7,136297	7,027205	6,9966477	7,303824	0,30717633	1,237283696	---
17272743	4,010012	3,705036	3,569736	4,219265	3,952913	4,034153	3,7615947	4,068777	0,30718233	1,237288842	---
17206765	9,049799	9,365584	9,451246	9,692059	9,432642	9,663633	9,2888763	9,596111333	0,307235	1,237334011	---
17209569	5,436551	5,174568	5,693261	5,445867	5,153472	6,627229	5,4347933	5,742189333	0,307396	1,237472101	---
17394647	7,288179	7,496817	7,329841	7,813775	7,564233	7,659029	7,3716123	7,679012333	0,3074	1,237475532	Znfx1
17205607	3,130436	3,414581	3,293873	3,27847	3,767396	3,715522	3,27963	3,587129333	0,30749933	1,237560739	---
17547963	6,905952	6,93628	6,808074	7,355686	7,147636	7,069677	6,8834353	7,190999667	0,30756433	1,237616498	---

17209151	4,093913	4,917035	5,699004	5,030529	5,005387	5,596906	4,9033173	5,210940667	0,30762333	1,237667112	---	
17319029	5,902349	5,765438	5,973211	6,156564	6,392509	6,015006	5,8803327	6,188026333	0,30769367	1,237727451	Sstr3	
17417679	7,393741	7,62151	7,545355	7,888836	7,944547	7,650388	7,520202	7,827923667	0,30772167	1,237751473	Eri3	
17416750	8,600384	9,035898	8,833107	9,140276	9,384916	8,86738	8,8231297	9,130857333	0,30772767	1,237756621	---	
17206481	9,81244	9,908882	10,13764	10,33288	10,21562	10,23374	9,9529873	10,26074667	0,30775933	1,23778379	---	
17202189	6,96948	6,847079	7,463192	7,826093	7,19624	7,180823	7,0932503	7,401052	0,30780167	1,237820111	---	
17206375	3,590551	3,769821	3,849619	4,378504	4,270576	3,484835	3,7366637	4,044638333	0,30797467	1,237968552	---	
17212916	3,736974	3,810315	3,787444	4,253978	4,03533	3,969384	3,7782443	4,086230667	0,30798633	1,237978563	9130227L01Rik	
17414275	4,003192	3,902923	3,902923	4,078182	4,478787	4,176686	3,936346	4,244551667	0,30820567	1,238166788	---	
17215374	6,797338	6,305533	6,989685	6,834382	7,162785	7,020471	6,6975187	7,005879333	0,30836067	1,238299821	---	
17457143	7,637235	7,75948	7,363978	7,696445	8,015046	7,974298	7,5868977	7,895263	0,30836533	1,238303827	Akr1b10	
17341063	3,927068	4,016875	3,909456	4,578418	3,992526	4,207669	3,951133	4,259537667	0,30840467	1,238337588	Gm7358 // Gm7356	
17205399	6,578014	6,309776	6,109175	6,778466	6,409767	6,734512	6,3323217	6,640915	0,30859333	1,238499541	---	
17265540	4,355145	3,568014	4,169228	4,437697	4,136078	4,444543	4,0307957	4,339439333	0,30864367	1,238542751	---	
17492314	8,703979	8,594462	8,505801	8,758984	9,085669	8,885638	8,601414	8,910097	0,308683	1,238576518	Mfge8	
17288105	5,262344	4,994199	5,118304	5,475718	5,523336	5,302076	5,124949	5,43371	0,308761	1,238643484	Mir23b	
17206217	3,602498	3,243253	3,694433	3,540989	4,102956	3,823174	3,5133947	3,822373	0,30897833	1,238830093	---	
17428871	6,531722	6,015886	7,526344	7,057325	6,866518	7,077048	6,6913173	7,000297	0,30897967	1,238831238	---	
17312884	7,700096	7,873858	7,878596	8,057027	8,283758	8,038751	7,8175167	8,126512	0,30899533	1,238844691	Gcat	
17274532	7,996748	7,830352	7,88003	8,160647	8,19275	8,280744	7,9023767	8,211380333	0,30900367	1,238851846	Klf11	
17238920	8,776217	9,054118	8,88347	9,329469	9,321993	8,989428	8,9046017	9,21363	0,30902833	1,238873028	Syne1	
17309284	4,758584	4,466113	4,357331	4,946736	4,816553	4,745998	4,5273427	4,836429	0,30908633	1,238922835	D130079A08Rik	
17409753	8,611331	8,49252	8,51721	8,975114	8,807466	8,765745	8,5403537	8,849441667	0,309088	1,238924266	Agl	
17399081	4,16123	4,215459	4,32235	4,464097	4,435419	4,727255	4,233013	4,542257	0,309244	1,239058239	---	
17435577	4,571004	4,165556	3,78879	3,966921	4,59549	4,890827	4,1751167	4,484412667	0,309296	1,2391029	Gm17695	
17468826	3,198998	3,560024	3,085006	3,570045	3,835427	3,366755	3,2813427	3,590742333	0,30939967	1,239191941	---	
17203903	6,464479	6,567501	5,28495	6,276295	6,630773	6,338064	6,1056433	6,415044	0,30940067	1,23919128	---	
17548983	6,515281	6,351285	5,976628	6,060919	6,856902	6,853934	6,2810647	6,590585	0,30952033	1,239295591	Glul // Glul	
17401970	4,415175	4,542625	4,597067	4,968911	4,808939	4,70584	4,518289	4,827896667	0,30960767	1,239370614	Olfm3	
17205723	6,366714	6,359754	6,371391	6,595676	6,517989	6,91315	6,365953	6,675605	0,309652	1,2394087	---	
17201025	6,775074	7,010179	6,062145	6,742424	6,84391	7,19004	6,6157993	6,925458	0,30965867	1,239414427	---	
17425703	5,508182	5,084601	5,406592	5,708858	5,731998	5,487514	5,333125	5,64279	0,309665	1,239419868	Gm12580	
17336170	3,97476	3,746235	3,891188	4,280268	3,679924	4,581044	3,8707277	4,180412	0,30968433	1,239436477	---	
17461330	5,592297	5,960536	5,503913	5,98164	5,970901	6,033952	5,685582	5,995497667	0,30991567	1,239635234	Lrrn1	
17202947	5,860723	5,256193	4,442873	5,295846	5,884809	5,308886	5,1865963	5,496513667	0,30991733	1,239636667	---	
17208345	6,34253	6,405582	6,558185	6,89235	6,796819	6,547091	6,4354323	6,74542	0,30998767	1,239697102	---	
17538549	4,745439	4,493169	4,775476	4,834362	5,272318	4,837452	4,6713613	4,981377333	0,310016	1,239721449	Gm15097	
17202049	3,185927	3,397496	3,027973	3,880524	3,442944	3,218029	3,2037987	3,513832333	0,31003367	1,23973663	---	
17533191	5,404209	6,054421	5,85693	5,941112	6,1309	6,173739	5,7718533	6,081917	0,31006367	1,23976241	Gm5635	
17205101	5,325086	5,456567	5,4657	5,691624	5,751427	5,734717	5,4157843	5,725922667	0,31013833	1,239826575	---	
17209291	5,325086	5,456567	5,4657	5,691624	5,751427	5,734717	5,4157843	5,725922667	0,31013833	1,239826575	---	
17209095	4,483319	4,799295	4,689944	5,338076	4,582504	4,982887	4,6575193	4,967822333	0,310303	1,239968095	---	
17547929	4,429028	4,360411	4,713572	4,673176	4,851596	4,909274	4,5010037	4,811348667	0,310345	1,240004194	A930007A09Rik	
17281084	8,786243	8,790891	8,947641	9,198507	9,176322	9,081017	8,8415917	9,151948667	0,310357	1,240014508	Egln3	
17549332	7,385082	7,19004	7,350652	7,795718	7,460545	7,600669	7,3085913	7,618977333	0,310386	1,240039434	---	
17206411	3,193087	3,430408	3,110263	3,521764	3,867151	3,276122	3,244586	3,555012333	0,31042633	1,240074102	---	
17210123	5,139441	4,544116	5,520194	5,429088	5,527508	5,178582	5,067917	5,378392667	0,31047567	1,240116508	---	
17246700	6,558333	6,285951	6,010878	6,497291	6,627126	6,662438	6,285054	6,595618333	0,31056433	1,240192726	Gal3st1	
17210387	4,250547	4,468537	4,74503	4,972994	4,63081	4,792013	4,488038	4,798605667	0,31056767	1,240195592	---	
17376208	4,638342	4,563598	4,775424	4,907115	5,025945	4,976091	4,6591213	4,969717	0,31059567	1,240219662	---	
17211423	4,077618	3,657257	3,494714	4,024244	4,005364	4,132024	3,7431963	4,053877333	0,310681	1,240293021	Khdc1c // Khdc1c	
17251677	7,962746	8,025533	8,121256	8,444809	8,385113	8,212161	8,0365117	8,347361	0,31084933	1,240437747		11/03/17
17487523	6,410876	5,990785	5,84271	6,254296	6,483401	6,439332	6,081457	6,392343	0,310886	1,240469273	Vmn1r119	
17487613	6,410876	5,990785	5,84271	6,254296	6,483401	6,439332	6,081457	6,392343	0,310886	1,240469273	Vmn1r119	
17361805	8,331086	8,460279	8,522115	8,972312	8,63372	8,640206	8,4378267	8,748746	0,31091933	1,240497935	Neat1	
17297746	6,339548	6,000726	6,497163	6,468388	6,756313	6,545808	6,2791457	6,590169667	0,311024	1,240587935	Mir3075	
17534806	5,253873	3,941684	3,857453	4,864113	4,361745	4,760341	4,3510033	4,662066333	0,311063	1,240621472	Gm16405	
17534813	5,253873	3,941684	3,857453	4,864113	4,361745	4,760341	4,3510033	4,662066333	0,311063	1,240621472	Gm16405	
17348840	10,20686	9,896298	9,969337	10,12635	10,50107	10,37841	10,024165	10,33527667	0,31111167	1,240663323	Rnf125	
17469289	7,445186	7,543539	7,112678	7,543539	7,565701	7,92591	7,3671343	7,678383333	0,311249	1,24078143	Eogt	
17210107	5,449433	5,046888	4,796228	5,31557	5,480606	5,430157	5,0975163	5,408777667	0,31126133	1,240792037	---	
17371195	5,070108	5,142239	5,198987	5,582978	5,313051	5,449223	5,1371113	5,448417333	0,311306	1,240830454	---	
17378306	10,58795	10,37098	10,45449	10,88825	10,88113	10,57839	10,47114	10,78259	0,31145	1,240954311	---	
17210655	3,895242	3,46423	3,343135	4,19693	3,667948	3,772284	3,5675357	3,879054	0,31151833	1,24101309	---	
17205111	6,470129	7,297663	7,083177	7,25877	7,535563	6,991535	6,950323	7,261956	0,311633	1,241111731	---	
17209301	6,470129	7,297663	7,083177	7,25877	7,535563	6,991535	6,950323	7,261956	0,311633	1,241111731	---	
17252292	4,681176	4,533613	4,622754	5,001575	4,88425	4,886853	4,6125143	4,924226	0,31171167	1,241179408	Wscd1	
17297100	6,959655	6,961852	7,178669	7,271792	7,440779	7,322944	7,033392	7,345171667	0,31177967	1,241237911	Kctd6	
17311701	6,164124	6,937992	6,517636	6,559997	7,079432	6,91572	6,5399173	6,851716333	0,311799	1,241254545	Wdyhv1	
17210199	5,651759	6,112654	6,285836	6,229109	6,587641	6,169381	6,0167497	6,328710333	0,31196067	1,241393646	---	
17238910	6,816139	7,2681	7,212546	7,359909	7,555095	7,317668	7,0989283	7,410890667	0,31196233	1,24139508	Syne1	
17534856	5,0816	4,350367	3,991614	4,924652	4,547295	4,887815	4,474527	4,786587333	0,31206033	1,241479409	Gm16404	
17207365	6,173804	6,303484	5,947699	7,16345	6,680593	5,51764	6,1416623	6,453894333	0,312232	1,241627142	---	
17369950	9,323595	9,556048	9,681955	9,939053	9,810554	9,748767	9,5205327	9,832791333	0,31225867	1,241650092	---	
17387760	3,53333	3,143515	3,50408	3,664468	3,790883	3,662393	3,3936417	3,705914667	0,312273	1,241662428	Olfr1132	
17201615	6,095881	5,926526	6,661561	6,415329	6,548623	6,65694	6,2279893	6,540297333	0,312308	1,241692551	---	
17210209	4,683608	5,001887	4,472686	5,154102	4,97109	4,969932	4,7193937	5,031708	0,31231433	1,241698002	---	
17206325	11,48173	11,19933	11,18168	11,688	11,59587	11,51604	11,28758	11,59997	0,31239	1,241763129	---	
17276931	3,473346	3,230015	3,631134	3,640393	3,902385	3,72919	3,4448317	3,757322667	0,312491	1,241850065	---	
17288362	8,002001	7,797401	7,722784	7,972923	8,274546	8,212304	7,8407287	8,153257667	0,312529	1,241882775	---	
17288366	8,002001	7,797401	7,722784	7,972923	8,274546	8,212304	7,8407287	8,153257667	0,312529	1,241882775	---	
17408015	6,135104	6,353215	6,047773	6,147125	6,545929	6,780638	6,1786973	6,491230667	0,31253333	1,241886505	Hist2h3c2	
17276743	4,770389	4,84891	4,83567	5,252225	5,136582	5,004083	4,818323	5,130963333	0,31264033	1,241978616	Plekhh1	
17204417	4,343132	4,8539	4,035217	4,666707	4,865669	4,637925	4,4107497	4,723433667	0,312684	1,242016208	---	
17207559	5,317135	5,947366	6,199622	6,087228	6,045679	6,269289	5,8213743	6,134065333	0,312691	1,242022234	---	
17486089	4,064999	3,967862	4,056851	4,377142	4,361983	4,288892	4,029904	4,342672333	0,31276833	1,242088812	Olfr5	
17380529	7,033951	7,409326	7,444999	7,719664	7,526135	7,580994	7,296092	7,608931	0,312839	1,242149654	Gm14391 // Gm6710	
17488996	6,367777	6,351334	6,458972	6,930679	6,519658	6,666327	6,3926943	6,705554667	0,31286033	1,242168022	Wdr62	
17258958	4,727894	4,449698	4,7498	5,007682	5,058518	4,79997	4,642464	4,95539	0,312926	1,242224563	---	
17200645	4,348501	4,039972	3,730676	4,218499	5,11808	3,721361	4,0397163	4,352646667	0,31293033	1,242228294	---	
17358422	5,494873	5,622968	5,676612	6,192914	5,75806	5,78237	5,598151	5,911114667	0,31296367	1,242256996	Vldlr	
17210121	5,835022	4,933317	5,607893	5,816922	5,70867	5,789639	5,458744	5,771743667	0,31299967	1,242287995	---	
17208261	6,423527	6,330235	6,57658	6,905955	6,750571	6,613023	6,4434473	6,756516333	0,313069	1,242347698	---	
17349888	4,079026	4,137219	4,313895	4,547802	4,74129	4,180276	4,1767133	4,489789333	0,313076	1,242353726	Pcdhb7	
17286717	6,689056	6,45083	6,888956	7,049271	7,055325	6,86367	6,6762807	6,989422	0,31314133	1,242409988	Mir5124 // Mir5124	
17323013	8,161062	8,022825	7,863976	8,253945	8,408594	8,324929	8,0159543	8,329156	0,31320167	1,242461947	Mkl2	
17341214	6,246748	5,997517	6,143664	6,54416	6,379771	6,40362	6,1293097	6,442517	0,31320733	1,242466827	Prdm9	
17203893	2,989012	2,821051	2,756658	3,205784	2,93335	3,367236	2,8555737	3,16879	0,31321633	1,242474578	---	
17397990	5,61635	5,625674	5,397389	5,925627	5,766815	5,886943	5,546471	5,859795	0,313324	1,242567306	Mme	
17538354	9,575103	8,838749	9,182716	9,636053	9,414008	9,486501	9,198856	9,512187333	0,31333133	1,242573622	Mir680-2 // Mir680-2	
17403745	5,104509	4,827557	4,464358	5,640507	4,779606	4,916354	4,798808	5,112155667	0,31334767	1,24258769	Slc44a5	
17200595	4,872327	5,886312	5,322094	5,528528	6,032137	5,460194	5,3602443	5,673619667	0,31337533	1,242611519	---	
17343628	8,779943	8,597404	8,791	9,308004	9,103365	8,697385	8,7227823	9,036251333	0,313469	1,242692198	Angptl4	
17415073	4,089471	4,001064	4,042062	4,217518	4,308121	4,547607	4,044199	4,357748667	0,31354967	1,242761684	---	
17341161	8,064711	8,057205	8,651927	8,832758	8,327847	8,553974	8,2579477	8,571526333	0,31357867	1,242786665	9030025P20Rik	
17229851	4,930494	4,947655	5,270294	4,766319	6,23232	5,090718	5,049481	5,363119	0,313638	1,242837778	Casq1	
17205445	3,123816	3,207561	3,09705	3,808228	3,200825	3,360431	3,142809	3,456494667	0,31368567	1,242878842	---	
17208021	5,850595	6,126757	5,56459	6,344274	6,363238	5,775628	5,847314	6,161046667	0,31373267	1,242919333	---	
17539494	5,185978	5,54505	5,038408	5,676372	5,420823	5,613836	5,2564787	5,570343667	0,313865	1,243033347	Ace2	
17544265	3,496706	3,816963	3,604397	4,350637	3,771421	3,737604	3,6393553	3,953220667	0,31386533	1,243033634	Mir361 // Mir361	
17201239	5,736159	6,30116	5,677307	5,974602	5,974602	6,70766	5,9048753	6,218954667	0,31407933	1,243218031	---	
17300363	8,073366	7,849802	7,420846	8,393126	7,674934	8,218467	7,781338	8,095509	0,314171	1,243297026	---	
17300021	3,084926	3,655163	3,239338	3,58807	3,575663	3,758646	3,3264757	3,640793	0,31431733	1,243423141	---	
17473018	7,148728	7,288305	7,06238	7,521744	7,428494	7,492379	7,1664471	7,480872333	0,31440133	1,24349554	Caprin2	
17489039	5,540905	5,797919	5,394472	5,704705	6,268635	5,703254	5,5777653	5,892198	0,31443267	1,243522547	Lrfn3	
17318587	8,556081	8,680577	8,212766	8,67071	8,844652	8,877614	8,4831413	8,797658667	0,31451733	1,243595528	Slc39a4	
17206327	3,10842	5,06517	3,216152	4,634195	3,699835	3,999506	3,7965807	4,111178667	0,314598	1,243665064	---	
17203445	8,703979	7,741614	8,141367	8,822906	8,34661	8,361308	8,1956533	8,510274667	0,31462133	1,243685178	---	
17205029	3,086359	3,098233	2,851346	3,049591	3,606352	3,3243	3,0119793	3,326747667	0,31476833	1,243811907	---	
17209219	3,086359	3,098233	2,851346	3,049591	3,606352	3,3243	3,0119793	3,326747667	0,31476833	1,243811907	---	
17207065	6,055275	5,72513	5,945837	6,468115	6,250939	5,951665	5,9087473	6,223573	0,31482567	1,243861338	---	
17316345	5,304629	5,037021	5,500732	5,820306	5,36965	5,597009	5,280794	5,595655	0,314861	1,243891802	0610007N19Rik	
17207779	6,607021	6,389202	6,403963	7,209333	6,498512	6,637263	6,4667287	6,781702667	0,314974	1,243989234	---	
17238878	6,833427	7,251021	7,29537	7,552776	7,533418	7,23876	7,126606	7,441651333	0,31504533	1,244050744	Syne1	
17203683	5,467115	5,880379	4,580497	4,443655	5,839297	6,59029	5,3093303	5,624414	0,31508367	1,2440838	---	
17208793	3,431309	3,486543	3,583939	3,700581	3,986832	3,759857	3,500597	3,815756667	0,31515967	1,244149339	---	
17456974	4,134828	4,448797	4,486893	4,837997	4,715659	4,462518	4,3568393	4,672058	0,31521867	1,24420022	2210408F21Rik // 2210408F21Rik	
17394000	4,480205	4,524011	4,338928	5,267479	4,426322	4,595172	4,4477147	4,762991	0,31527633	1,244249954	---	
17459417	7,335917	7,049355	7,122646	7,699193	7,222145	7,532534	7,169306	7,484624	0,315318	1,24428589	---	
17482216	3,509669	3,691089	3,082268	3,911452	3,561436	3,756238	3,4276753	3,743042	0,31536667	1,244327864	---	
17411695	4,896744	4,553408	4,663672	5,11084	4,821901	5,127447	4,704608	5,020062667	0,31545467	1,244403766	---	
17397333	5,831073	5,732821	5,8353	6,35696	6,126702	5,862366	5,7997313	6,115342667	0,31561133	1,244538907	Larp1b	
17200597	5,537069	5,384538	5,172185	5,400492	6,16841	5,472017	5,3645973	5,680306333	0,315709	1,244623162	---	
17288988	8,861776	8,419561	8,59234	9,098525	8,849887	8,872995	8,624559	8,940469	0,31591	1,244796579	---	

17204969	3,456187	3,760421	3,62785	4,032748	4,010705	3,748785	3,6148193	3,930746	0,31592667	1,244810959	---
17202747	6,724798	7,755964	6,940434	7,61512	7,299162	7,455061	7,1403987	7,456447667	0,316049	1,244916517	---
17370799	5,914329	5,935766	5,8519	6,215283	6,270312	6,164631	5,900665	6,216742	0,316077	1,244940679	Cacnb4 // Cacnb4
17204333	4,124962	4,345552	4,874254	5,595665	4,764534	3,932906	4,448256	4,764368333	0,31611233	1,244971169	---
17200601	5,435662	5,605834	5,872196	5,884836	6,595272	5,382543	5,6378973	5,954217	0,31631967	1,2451501	---
17308946	4,1734	3,9608	3,685767	4,324718	4,224528	4,219797	3,939989	4,256347667	0,31635867	1,245183761	Gm10845 // Gm10845
17203359	5,61089	5,999837	6,33515	6,37811	6,222164	6,295191	5,981959	6,298488333	0,31652933	1,245331071	---
17539744	7,485485	6,621712	5,816039	7,338559	6,411548	7,123398	6,6410787	6,957835	0,31675633	1,245527032	Gmcl1l
17270267	7,848948	8,150042	7,929385	8,195054	8,300294	8,383336	7,976125	8,292894667	0,31676967	1,245538543	---
17210847	4,724713	4,607737	4,113959	5,110514	4,608132	4,678542	4,4821363	4,799062667	0,31692633	1,245673808	---
17241236	5,088127	5,054004	5,246344	5,441208	5,284988	5,613099	5,1294917	5,446431667	0,31694	1,245685608	---
17540929	3,376284	3,163659	3,478497	3,329749	3,690176	3,94977	3,33948	3,656565	0,317085	1,245810813	---
17427767	5,306939	5,278104	5,759389	5,773974	5,719598	5,802197	5,448144	5,765256333	0,31711233	1,245834417	---
17274448	9,188299	9,24797	9,120583	9,484217	9,497152	9,526878	9,1856173	9,502749	0,31713167	1,245851112	Cpsf3
17230045	6,105636	7,996518	5,992307	7,026387	7,13056	6,889088	6,6981537	7,015345	0,31719133	1,245902639	Ifi204
17200377	3,913082	3,853194	4,035032	3,887573	3,928574	4,936736	3,9337693	4,250961	0,31719167	1,245902927	---
17201873	2,774562	2,788224	2,811563	3,025284	3,118096	3,182726	2,7914497	3,108702	0,31725233	1,245955319	---
17403726	6,152503	5,935333	6,10761	6,186184	6,528758	6,432382	6,0651487	6,382441333	0,31729267	1,245990153	---
17209123	3,278111	3,412993	3,363884	3,809284	3,679184	3,518612	3,3516627	3,669026667	0,317364	1,246051762	---
17203873	3,904415	3,464065	3,404483	4,303288	3,601196	3,820743	3,5909877	3,908409	0,31742133	1,246101281	---
17357503	7,171686	6,822583	7,049716	7,08946	7,388466	7,518497	7,0146617	7,332141	0,31747933	1,246151379	---
17200049	5,12418	5,519969	5,899625	5,82243	6,043386	5,630799	5,5145913	5,832205	0,31761367	1,246267417	---
17467471	5,173243	4,739626	4,89122	5,305583	4,846171	5,605278	4,9346963	5,252344	0,31764767	1,246296788	---
17372197	5,129787	5,06925	5,27904	5,484509	5,677056	5,269548	5,159359	5,477037667	0,31767867	1,246323568	Osbpl6
17541229	4,594923	4,267246	4,441557	4,890358	4,634956	4,732099	4,4345753	4,752471	0,31789567	1,246511045	Cypt14
17513854	6,377318	7,746174	7,639433	7,479334	7,676584	7,56124	7,2543083	7,572386	0,31807767	1,246668306	---
17200883	5,472576	5,168171	5,139619	5,931199	5,838608	4,965566	5,260122	5,578457667	0,31833567	1,24689127	---
17210101	7,958702	7,662083	7,675152	8,226726	7,958605	8,065928	7,7653123	8,083753	0,31844067	1,246982023	---
17537144	3,349253	3,159294	3,473181	3,617745	3,656627	3,662697	3,3272427	3,645689667	0,318447	1,246987497	4933401B06Rik
17353597	3,189692	3,525898	2,998333	3,391811	3,453525	3,824566	3,2379743	3,556634	0,31865967	1,247171328	---
17200327	4,839458	3,935809	4,354778	4,455361	4,961553	4,669524	4,3766817	4,695479333	0,31879767	1,247290631	---
17274408	3,569921	3,346613	3,890317	3,765135	3,987516	4,011629	3,6022837	3,921426667	0,319143	1,247589227	Gm17758
17529316	8,794468	8,386884	8,246488	8,881443	8,669842	8,834484	8,4759467	8,795256333	0,31930967	1,247733362	Fam46a
17204677	3,663897	3,788274	3,189692	3,674254	3,406698	4,518934	3,5472877	3,866628667	0,319341	1,247760462	---
17203567	4,510143	4,629772	4,705703	5,33219	4,608868	4,862851	4,615206	4,934636333	0,31943033	1,247837727	---
17238671	3,762731	3,847703	3,737361	4,000248	4,433126	3,872718	3,7825983	4,102030667	0,31943233	1,247839457	Olfr790
17205997	5,111743	5,255829	5,464833	5,799299	5,047534	5,943972	5,2774683	5,596935	0,31946667	1,247869153	---
17528798	4,616306	4,174603	4,317342	4,151167	5,422422	4,493191	4,369417	4,688926667	0,31950967	1,247906347	---
17221213	5,965771	5,368877	6,083119	6,460767	5,929233	5,98634	5,8059223	6,125446667	0,31952433	1,247919033	---
17286055	10,55465	10,4947	10,63995	10,81369	11,08138	10,75315	10,5631	10,88274	0,31964	1,248019088	Gpld1
17210543	7,758607	7,817596	7,66561	8,099508	8,094851	8,006457	7,747271	8,066938667	0,31966767	1,248043022	---
17448765	10,01242	9,883695	9,651689	10,24687	10,05441	10,20562	9,849268	10,16896667	0,31969867	1,248069839	---
17470119	5,282466	5,348083	5,428563	5,560731	5,866622	5,590886	5,3530373	5,672746333	0,319709	1,248078779	Ret
17203527	5,211327	4,601439	5,506273	5,103695	5,714078	5,460412	5,1063463	5,426061667	0,31971533	1,248084258	---
17345316	5,814138	7,034635	7,072442	7,068117	6,818635	6,993737	6,640405	6,960163	0,319758	1,248121169	---
17285677	4,230672	4,450388	4,284878	4,349176	4,754856	4,821571	4,3219793	4,641867667	0,31988833	1,24823393	Hist1h2ao // Hist1h2ai // Hist1h2ab // Hi
17204273	5,869549	6,453335	5,681886	5,944263	6,21052	6,809691	6,00159	6,321491333	0,31990133	1,248245178	---
17477454	5,839297	5,704088	5,790301	6,126193	6,346176	5,821111	5,7778953	6,097826667	0,31993133	1,248271135	Syt3
17467589	4,303741	4,423273	4,41225	4,638518	4,683699	4,776875	4,3797547	4,699697333	0,31994267	1,248280941	Smyd1
17271201	3,602497	4,332584	4,067469	4,807619	4,18574	3,9696	4,00085	4,320986333	0,32013633	1,248448521	---
17203103	4,020036	3,812556	3,349383	3,075413	4,687373	4,379769	3,727325	4,047518333	0,32019333	1,248497847	---
17228906	5,030539	4,752324	4,521343	5,290544	4,915596	5,058685	4,7680687	5,088275	0,32020633	1,248509097	Dnm3
17208681	6,125281	6,821264	6,382377	7,379701	6,712761	6,197134	6,442974	6,763198667	0,32022467	1,248524963	---
17203157	4,60089	5,687203	4,421842	5,482098	5,280376	4,908288	4,9033117	5,223587333	0,32027567	1,2485691	---
17324446	8,461567	8,947944	7,712438	8,912475	8,708514	8,461889	8,373983	8,694292667	0,32030967	1,248598525	Rtp4
17542815	6,828183	6,733962	6,668655	7,194442	6,974705	7,022692	6,7436	7,063946333	0,32034633	1,248630259	Mtcp1
17208427	8,039571	7,427072	7,830476	7,973543	8,22277	8,062201	7,7657063	8,086171333	0,320465	1,248732967	---
17234859	3,343835	3,983109	3,861008	4,235596	3,798217	4,115581	3,7293173	4,049798	0,32048067	1,248746528	Olfr1351
17209207	6,235263	5,808381	5,809047	6,771921	6,518758	5,523904	5,950897	6,271527667	0,32063067	1,248876369	---
17202923	6,392811	5,549947	4,763665	5,453196	5,971279	6,243843	5,5688077	5,889439333	0,32063167	1,248877235	---
17476673	3,882269	3,779683	3,694433	4,259206	4,205386	3,853813	3,7854617	4,106135	0,32067333	1,248913305	Abpa
17203721	4,615461	4,112525	4,583818	4,692008	5,026613	4,555319	4,437268	4,75798	0,320712	1,248946778	---
17537055	9,262013	9,1578	9,016896	9,552059	9,489602	9,357233	9,1455697	9,466298	0,32072833	1,248960918	Atp7a
17448170	5,741087	5,562173	5,705413	6,217418	6,213652	5,539988	5,6695577	5,990352667	0,320795	1,249018634	---
17203507	4,727528	4,751267	4,832954	4,949494	5,293306	5,031595	4,770583	5,091465	0,320882	1,249093956	---
17517723	6,614481	6,602416	6,47685	6,782839	7,029821	6,843937	6,5645823	6,885532333	0,32095	1,249152833	Rpp25
17319491	4,459096	4,078431	4,704866	4,887994	4,429367	4,887994	4,414131	4,735118333	0,32098733	1,249185158	Gm5218
17412995	5,214438	5,325343	6,974568	7,732109	5,387025	5,358351	5,8381163	6,159161667	0,32104533	1,249235379	4933409K07Rik // 4933409K07Rik
17413100	5,214438	5,325343	6,974568	7,732109	5,387025	5,358351	5,8381163	6,159161667	0,32104533	1,249235379	4933409K07Rik // 4933409K07Rik
17271531	5,745986	6,255968	5,461925	6,154515	6,269239	6,003514	5,821293	6,142422667	0,32112967	1,249308406	---
17203053	5,174474	6,05871	5,47399	5,883943	5,693421	6,09323	5,569058	5,890198	0,32114	1,249317354	---
17202161	5,248718	5,329731	5,011755	5,363038	5,779049	5,411593	5,1967347	5,517893333	0,32115867	1,249333519	---
17370853	5,637364	6,033587	5,955394	6,272806	6,11744	6,200008	5,8754483	6,196751333	0,321303	1,249458514	---
17205409	5,294128	6,213872	6,693983	6,234459	6,150955	6,780531	6,0673277	6,388648333	0,32132067	1,249473814	---
17200445	5,607832	4,035105	4,856285	5,860749	5,244906	4,357697	4,833074	5,154450667	0,32137667	1,249522315	---
17303685	5,715062	5,473514	5,125365	6,045243	5,715813	5,518429	5,4379803	5,759828333	0,321848	1,249930605	Gm5458
17539415	11,80967	11,63814	11,62854	12,07334	12,01351	11,95558	11,692117	12,01414333	0,32202667	1,250085409	Rbbp7
17208117	3,449037	4,554128	3,013081	3,955553	4,607259	3,419632	3,672082	3,994148	0,322066	1,250119491	---
17538827	7,747221	8,437495	7,760588	8,469051	8,065309	8,377305	7,981768	8,303888333	0,32212033	1,250166573	---
17292687	5,020293	4,822805	5,02671	5,393689	5,258739	5,183803	4,9566027	5,278743667	0,322141	1,250184482	---
17204319	5,274285	5,862448	5,209141	6,027774	5,716688	5,56853	5,4486247	5,770997333	0,32237267	1,250385251	---
17207885	3,488731	3,741766	3,607405	3,960219	3,793025	4,052039	3,612634	3,935094333	0,32246033	1,250461235	---
17205315	3,765805	3,700094	3,419854	4,078314	4,100871	3,674101	3,6285843	3,951095333	0,322511	1,250505151	---
17204913	7,267908	7,117342	7,491838	7,900241	7,462413	7,482046	7,2923627	7,6149	0,32253733	1,250527976	---
17207489	4,3789	4,114934	4,317778	3,941311	4,90666	4,931328	4,2705373	4,593099667	0,32256233	1,250549647	---
17201089	7,894452	8,21824	8,415897	8,2668	8,894856	8,334812	8,1761963	8,498822667	0,32262633	1,250605124	---
17422612	9,502071	9,201872	9,037324	9,503711	9,609541	9,595979	9,247089	9,569743667	0,32265467	1,250629685	Slc35e2
17311885	5,861476	5,762578	5,707277	6,088162	6,271191	5,940046	5,7771103	6,099799667	0,32268933	1,250659737	Gsdmcl2
17201443	3,984251	4,701893	4,292139	4,815376	4,554937	4,576373	4,3260943	4,648895333	0,322801	1,250756543	---
17292759	6,088939	5,98332	6,037054	6,29679	6,333129	6,447815	6,0364377	6,359244667	0,322807	1,250761745	Sncb
17205125	4,577929	4,828996	4,61834	5,247612	4,423947	5,322508	4,6750883	4,998022333	0,322934	1,250871854	---
17209315	4,577929	4,828996	4,61834	5,247612	4,423947	5,322508	4,6750883	4,998022333	0,322934	1,250871854	---
17353232	4,153932	4,051792	4,271551	4,750441	4,301958	4,393707	4,1590917	4,482035333	0,32294367	1,250880236	Syt4
17208141	6,055634	6,776155	6,274529	7,056375	6,719429	6,299735	6,3687727	6,691846333	0,32307367	1,250992956	---
17326814	5,324405	5,828091	4,949473	6,426352	5,866969	4,777955	5,367323	5,690425333	0,32310233	1,251017814	---
17284496	3,96471	3,857522	3,056307	4,027539	3,473326	4,347306	3,6261797	3,949390333	0,32321067	1,251111758	---
17225364	5,151718	5,136069	5,400978	5,632942	5,423779	5,601885	5,2295883	5,552868667	0,32328033	1,251172175	C030007H22Rik
17208615	5,355439	5,132772	5,429631	5,405643	5,845687	5,636571	5,3059473	5,629300333	0,323353	1,251235196	---
17336946	5,467115	7,522426	4,842607	6,878829	5,241523	6,68213	5,9440493	6,267494	0,32344467	1,2513147	---
17219686	4,669659	4,686602	4,642192	5,397275	4,705314	4,866263	4,666151	4,989617333	0,32346633	1,251333493	Olfr427 // Olfr426
17539740	7,885849	6,917974	6,22344	7,737127	6,754723	7,505865	7,0090877	7,332571667	0,323484	1,251348816	Gmcl1l
17407093	6,405172	6,479263	6,240301	6,775063	6,680297	6,63991	6,374912	6,698423333	0,32351133	1,251372525	Lenep
17405636	3,493552	3,687733	3,538216	3,997792	3,976676	3,715873	3,573167	3,896780333	0,32361333	1,251461001	Vmn2r6
17202549	7,69483	7,863056	7,974761	8,240232	8,081398	8,182162	7,8442157	8,167930667	0,323715	1,251549195	---
17207947	5,902643	6,471229	6,025508	6,163905	6,570023	6,636926	6,1331267	6,456951333	0,32382467	1,251644335	---
17550418	6,590264	6,600555	6,528582	6,984376	7,16869	6,537867	6,5731337	6,896977667	0,323844	1,251661108	---
17206025	6,369685	6,115927	6,644089	6,863113	6,817318	6,421819	6,376567	6,70075	0,324183	1,251955254	---
17548234	6,674099	6,627642	6,760751	7,064899	7,101246	6,869238	6,6874973	7,011794333	0,324297	1,252054186	---
17475429	7,007301	6,762147	6,283536	7,165544	7,092477	6,767919	6,684328	7,008646667	0,32431867	1,25207299	---
17218233	5,170175	5,855059	4,727135	5,94678	5,384762	5,39409	5,2507897	5,575210667	0,3244121	1,252161805	Glt25d2
17210475	5,771645	6,664378	5,713231	6,947037	5,993404	6,182251	6,0497513	6,374230667	0,32447933	1,252212435	---
17382993	5,89375	6,140614	6,213999	6,311732	6,52875	6,381407	6,0827877	6,407296333	0,32450867	1,252237896	Inpp5e
17289237	5,457582	5,225734	5,570271	5,832017	5,700705	5,694763	5,4178623	5,742495	0,32463267	1,252345531	---
17210319	5,298976	5,801819	6,488566	6,179255	6,495908	5,889023	5,8631203	6,188062	0,32494167	1,25261379	---
17274469	4,991029	5,309912	5,408998	5,663381	5,919774	5,101858	5,2366463	5,561671	0,32502467	1,252685856	---
17474730	5,989747	5,805705	5,216049	5,891263	6,142848	5,952552	5,6705003	5,995554333	0,325054	1,252711327	Vmn1r104
17207379	6,07777	6,245543	5,700693	5,971369	6,20508	6,823294	6,008002	6,333247667	0,32524567	1,252877764	---
17486110	10,91731	10,91643	10,8317	11,3073	11,1369	11,19708	10,88848	11,21376	0,32528	1,252907581	Peg3
17254587	4,243384	4,017759	3,795151	4,463105	4,430834	4,138241	4,0187647	4,34406	0,32529533	1,252920897	---
17209957	3,892213	3,155993	3,955985	4,484064	3,593415	3,903262	3,6680637	3,993580333	0,32551667	1,253113131	---
17202803	6,536252	7,588887	7,164508	7,486288	7,50051	7,279517	7,096549	7,422105	0,325556	1,253147296	---
17281483	3,704201	3,321187	3,71077	4,276827	3,764726	3,672672	3,5787193	3,904741667	0,32602233	1,253552426	---
17207199	5,400766	5,714878	5,095291	5,659586	6,218451	5,311056	5,403645	5,729697667	0,32605267	1,253578782	---
17371427	6,873859	6,984258	6,274515	6,88717	7,021844	7,202103	6,7108773	7,037039	0,32616167	1,253673498	Dhrs9
17209549	5,779248	5,753311	5,733572	6,01772	6,112798	6,114725	5,755377	6,081747667	0,32637067	1,253855128	---
17548926	6,214172	5,754226	5,38418	6,154342	6,13478	6,042622	5,7841927	6,110581333	0,32638867	1,253870772	Gm7609 // Gm7609
17200951	6,624521	6,477659	7,044787	7,359519	6,868533	6,89815	6,7156557	7,042067333	0,32641167	1,253890762	---
17202577	6,154267	6,139661	6,74531	6,703135	6,863857	6,452299	6,3464127	6,673097	0,32668433	1,254127767	---
17202751	5,145585	3,496135	4,498312	4,984682	4,873644	4,261815	4,3800107	4,706713667	0,326703	1,254143994	---
17210635	5,079133	5,05329	4,484737	4,314538	6,075391	5,207971	4,8723867	5,1993	0,32691333	1,254326851	---
17424412	5,217748	5,324052	6,988424	7,751585	5,401728	5,357803	5,843408	6,170372	0,326964	1,254370903	4933409K07Rik // 4933409K07Rik
17434248	5,217748	5,324052	6,988424	7,751585	5,401728	5,357803	5,843408	6,170372	0,326964	1,254370903	4933409K07Rik // 4933409K07Rik
17300608	5,415642	5,041882	5,435919	5,678263	5,568388	5,628092	5,2978143	5,624914333	0,3271	1,254489156	Rec8
17200431	4,54546	4,97343	5,189422	5,700982	5,288939	4,69973	4,9027707	5,229883667	0,327113	1,25450046	---

17226327	7,235062	7,902678	7,47437	7,80635	7,748144	8,039043	7,53737	7,864512333	0,32714233	1,254525967	Marco	
17207659	3,983195	4,49453	4,530869	5,045592	4,240032	4,704449	4,336198	4,663357667	0,32715967	1,25454104	---	
17501584	4,390461	3,316203	4,15954	4,435032	4,15567	4,25738	3,9554013	4,282694	0,32729267	1,2546567	---	
17208329	6,323586	6,554283	6,832337	7,105175	6,9713	6,615825	6,5700687	6,897433333	0,32736467	1,254719317	---	
17474621	6,164518	5,951745	6,266093	5,949745	7,123054	6,29169	6,127452	6,454829667	0,32737767	1,254730623	Ckm	
17202553	4,898639	4,609829	5,485016	4,734515	5,337831	5,903352	4,997828	5,325232667	0,32740467	1,254754106	---	
17350267	4,843223	4,686036	4,699435	4,663267	5,745995	4,802062	4,742898	5,070441333	0,32754333	1,254874714	Myot	
17204051	7,353089	6,656943	6,772945	7,200274	7,211075	7,3547	6,927659	7,255349667	0,32769067	1,255002873	---	
17238162	7,656934	6,889907	6,600589	6,964322	7,723685	7,442528	7,0491433	7,376845	0,32770167	1,255012442	Rdh9	
17204739	7,316803	6,434982	7,076372	7,728326	6,90535	7,177866	6,942719	7,270514	0,327795	1,255093636	---	
17359368	4,892642	4,880414	4,834359	5,165231	5,466217	4,96054	4,8691383	5,197329333	0,328191	1,255438189	Cc2d2b	
17486818	5,785758	5,80029	5,937378	6,259799	6,151965	6,096256	5,841142	6,16934	0,328198	1,255444281	Gltscr1	
17536028	4,559857	4,536057	4,462266	4,795553	5,328746	4,418523	4,5193933	4,847607333	0,328214	1,255458204	Gm14744	
17232453	5,174009	5,172099	5,216409	5,388056	5,833009	5,32647	5,1875057	5,515845	0,32833933	1,255567276	Trdn	
17355264	5,415539	4,942128	5,364038	5,542356	5,632317	5,532431	5,2405683	5,569034667	0,32846633	1,255677808	Mc2r	
17402642	9,388828	9,024457	8,925716	9,144368	9,543879	9,636308	9,1130003	9,441518333	0,328518	1,255722778	Agxt2l1	
17449532	11,31705	11,0953	11,23556	11,46609	11,64353	11,52451	11,21597	11,54471	0,32874	1,255916022	---	
17203615	4,917379	4,517315	4,746911	4,670367	5,485785	5,011791	4,7272017	5,055981	0,32877933	1,255950263	---	
17208927	7,703821	6,672283	7,032447	8,084699	6,798113	7,512139	7,1361837	7,464983667	0,3288	1,255968255	---	
17203379	6,957932	6,912457	6,303958	7,263029	6,994771	6,903539	6,7247823	7,053779667	0,32899733	1,256140059	---	
17210057	3,064747	3,522472	3,091428	3,705059	3,476429	3,485641	3,2262157	3,555709667	0,329494	1,256572576	---	
17293408	3,770077	3,532235	3,311903	3,871647	4,005092	3,726003	3,5380717	3,867580667	0,329509	1,256585641	Cts6	
17206203	4,01999	3,675224	4,471858	4,442064	4,911384	3,802267	4,0556907	4,385238333	0,32954767	1,25661932	---	
17320240	5,995733	6,102065	6,145976	6,129892	6,490105	6,612594	6,081258	6,410863667	0,32960567	1,256669841	1810021B22Rik	
17534827	5,12208	3,881496	3,878554	4,860324	4,304579	4,706099	4,2940433	4,623667333	0,329624	1,25668581	Gm16405	
17462816	3,756945	3,418671	3,672008	3,965513	4,355998	3,515073	3,6158747	3,945528	0,32965333	1,256711362	Vmn2r23	
17311104	5,501412	5,436763	5,291619	5,721407	5,780524	5,717143	5,4099313	5,739691333	0,32976	1,256804281	Grhl2	
17207761	7,119167	6,822583	7,061584	7,703909	7,347054	6,942228	7,0011113	7,33103667	0,32995233	1,256971843	---	
17398264	3,587542	3,455423	3,488023	3,506385	3,887426	4,127233	3,5103293	3,840348	0,33001867	1,257029639	Mir15b	
17293695	9,55909	9,717691	9,505408	9,669448	10,06832	10,03463	9,594063	9,924132667	0,33006967	1,257074076	1110018J18Rik	
17432426	6,452526	6,761152	6,402809	6,695994	7,056828	6,853942	6,538829	6,868921333	0,33009233	1,257093827	Prdm2	
17200475	5,203126	4,607311	4,272255	5,249976	5,019307	4,803945	4,6942307	5,024409333	0,33017867	1,257169056	---	
17534797	5,184391	4,14005	3,951155	4,987361	4,427447	4,851332	4,4251987	4,75538	0,33018133	1,257171379	Gm16405	
17309099	8,564684	8,534101	8,483852	8,792272	8,891172	8,890457	8,5275457	8,857967	0,33042133	1,257380534	Klf12	
17525578	6,422756	6,112654	6,084631	6,394556	6,738321	6,478787	6,2066803	6,537221333	0,330541	1,257484834	Slc37a2	
17396349	4,831706	4,405244	4,581968	4,992357	5,011033	4,807187	4,606306	4,936859	0,330553	1,257495293	Spata16	
17210505	4,160035	4,572685	5,185588	4,464951	5,550568	4,89447	4,639436	4,969996333	0,33056033	1,257501685	---	
17208947	4,766997	4,762553	4,735176	5,47311	4,403143	5,380624	4,7549087	5,085625667	0,330717	1,257638248	---	
17380766	5,326263	5,612476	5,387062	5,706158	5,736297	5,875885	5,4419337	5,77278	0,33084633	1,257750997	Slco4a1	
17338359	3,64666	3,427461	3,560862	3,95852	3,969989	3,699093	3,5449943	3,875867333	0,330873	1,257774245	1700067P10Rik	
17215123	7,188099	7,379126	7,518638	7,571711	7,858788	7,648136	7,3619543	7,692878333	0,330924	1,257818709	Cops7b	
17274415	7,261004	6,676673	7,249044	7,421137	7,496273	7,262345	7,0622403	7,393251667	0,33101133	1,257894853	Asap2	
17391938	7,388385	7,026834	7,243156	7,587352	7,662983	7,401292	7,2194583	7,550542333	0,331084	1,257958214	Slc23a2	
17492900	4,491422	4,478913	4,591284	4,84065	4,917605	4,796872	4,5205397	4,851709	0,33116933	1,258032622	---	
17424930	5,598634	6,17542	5,997268	6,213194	6,167666	6,384089	5,923774	6,254983	0,331209	1,258067212	---	
17202523	3,23055	4,092296	4,489504	4,062221	4,528886	4,214908	3,93745	4,268671667	0,33122167	1,258078258	---	
17206469	7,993154	8,043706	7,746637	8,271976	7,948773	8,556461	7,9278323	8,25907	0,33123767	1,25809221	---	
17486023	4,003072	4,403989	4,649336	4,530499	4,505921	5,013717	4,3521323	4,683379	0,33124667	1,258100059	---	
17251046	4,48352	4,169235	4,264527	4,491722	5,313027	4,106354	4,3057607	4,637034333	0,33127367	1,258123604	Myh1	
17467529	4,020764	3,436	3,527638	3,746622	4,180224	4,051937	3,6614673	3,992927667	0,33146033	1,2582864	---	
17209715	4,04943	4,489427	3,474524	3,992989	4,347663	4,667314	4,0044603	4,335988667	0,33152833	1,25834571	---	
17219231	8,555823	8,758932	8,947403	9,36639	9,057904	8,833087	8,7540527	9,085793667	0,331741	1,258531215	Nr1i3	
17203105	6,065843	5,590416	6,174101	6,246952	6,073229	6,505666	5,9434533	6,275282333	0,331829	1,258607984	---	
17307518	7,184721	7,352265	7,064701	7,381801	7,557389	7,658331	7,2005623	7,532507	0,33194467	1,258708896	Mir15a	
17278793	7,044921	7,167741	6,638926	7,222806	7,68461	6,940078	6,9505293	7,282498	0,33196867	1,258729835	---	
17283934	5,398071	5,997268	4,890827	6,429427	6,508142	4,346232	5,428722	5,761267	0,332545	1,259232778	---	
17204421	3,628714	5,796666	3,580159	4,944702	4,932149	4,127125	4,3351797	4,667992	0,33281233	1,259466137	---	
17289864	7,284506	6,774774	6,379484	6,77711	7,354377	7,30633	6,8129213	7,145939	0,33301767	1,259645405	Ankrd55	
17470960	5,656615	5,541049	5,621248	5,707319	6,163188	5,947993	5,606304	5,9395	0,333196	1,259801121	Cd4	
17202865	4,179317	4,266506	3,621903	4,113348	4,43316	4,521049	4,0225753	4,355852333	0,333277	1,259871854	---	
17230225	6,311584	6,131031	6,061033	6,334036	6,727117	6,442332	6,1678827	6,501161667	0,333279	1,259873601	Hmga2-ps1	
17245431	5,03682	5,210629	5,173382	5,526484	5,611567	5,282631	5,140277	5,473560667	0,33328367	1,259877676	Mir763 // Mir763	
17550030	6,413706	6,024902	6,554924	6,603761	6,815295	6,574604	6,3311773	6,664553333	0,333376	1,259958312	---	
17209705	6,349516	6,710343	7,323989	7,118194	7,087665	7,178325	6,794616	7,128061333	0,33344533	1,260018864	---	
17202239	6,447303	6,568846	6,653213	7,165743	6,801725	6,702407	6,556454	6,889958333	0,33350433	1,260070395	---	
17373482	3,39414	3,830064	3,654277	3,975799	4,320177	3,583673	3,6261603	3,959883	0,33372267	1,260261105	Mir1955	
17487543	6,378541	6,321927	5,462859	6,252336	6,29285	6,6194	6,0544423	6,388195333	0,333753	1,260287603	Vmn1r111	
17532409	8,82873	8,990053	8,557982	9,225949	9,022361	9,129806	8,792255	9,126038667	0,33378367	1,260314392	Cyp8b1	
17207475	4,744306	3,50726	4,123211	4,237624	4,782024	4,356763	4,1249257	4,458803667	0,333878	1,260396803	---	
17487590	4,461004	4,16911	4,175366	4,551811	4,383094	4,872227	4,2684933	4,602377333	0,333884	1,260402045	Gm10662 // Gm10662	
17487651	4,461004	4,16911	4,175366	4,551811	4,383094	4,872227	4,2684933	4,602377333	0,333884	1,260402045	Gm10662 // Gm10662	
17467430	5,859339	5,816525	5,790272	6,456539	5,749111	6,26214	5,8220453	6,15593	0,333884467	1,260402627	---	
17445753	4,875055	4,696754	4,898285	5,204284	5,640603	4,627213	4,8233647	5,157366667	0,334002	1,260505139	---	
17513194	5,057006	5,430525	5,467695	5,587049	5,625264	5,745003	5,3184087	5,652438667	0,33403	1,260529603	Adat1	
17407850	7,907257	8,389255	8,248767	8,568317	8,382908	8,596184	8,1817597	8,515803	0,33404333	1,260541253	Ecm1	
17208535	7,553925	7,859365	7,615388	8,13076	8,01152	7,889467	7,676226	8,010582333	0,33435633	1,260814764	---	
17269368	5,664002	5,960165	6,254651	6,385257	6,201655	6,295047	5,959606	6,293986333	0,33438033	1,260835738	Krt19	
17208749	5,08317	5,349455	5,208368	5,372675	5,811206	5,460758	5,2136643	5,548213	0,33454867	1,260982861	---	
17207747	5,419394	4,979493	4,829798	5,626957	5,93006	4,675742	5,0762283	5,410919667	0,33469133	1,261107564	---	
17207277	5,977274	6,531669	6,135784	7,223575	6,755016	5,670253	6,214909	6,549614667	0,33470567	1,261120094	---	
17242568	3,840888	3,486821	3,767694	4,232218	3,937801	3,929634	3,6984677	4,033217667	0,33475	1,261158848	Olfr1356	
17201061	7,512352	8,105478	7,624654	8,018287	7,543237	8,685245	7,7474947	8,082256333	0,33476167	1,261169046	---	
17207349	6,125347	6,393942	6,074785	6,719306	6,643463	6,235779	6,1980247	6,532849333	0,33482467	1,261224121	---	
17210681	3,402475	3,137261	3,532615	3,71787	3,099987	4,258984	3,3574503	3,692280333	0,33483	1,261228783	---	
17457779	3,374347	3,779671	3,918653	3,877255	3,922181	4,278028	3,6908903	4,025821333	0,334931	1,261317082	---	
17477384	5,592808	5,563976	5,568031	5,677307	6,130317	5,922104	5,5749383	5,909909333	0,334971	1,261352054	Klk1b5	
17210183	3,550235	4,403787	3,293044	3,521217	4,319137	4,411808	3,749022	4,084054	0,335032	1,261405387	---	
17209591	6,43897	6,12445	6,121399	6,754987	6,616522	6,318408	6,228273	6,563305667	0,33503267	1,26140597	---	
17208957	6,392674	6,400412	6,802476	7,252058	6,417853	6,930752	6,531854	6,866887667	0,33503367	1,261406845	---	
17208473	5,359094	4,84728	5,094898	5,16118	5,344802	5,800445	5,100424	5,435475667	0,33505167	1,261422583	---	
17205877	3,925471	3,597831	4,195051	4,117697	4,689944	3,916131	3,9061177	4,241257333	0,33513967	1,261499528	---	
17200425	5,096944	6,225467	6,046493	6,150736	6,212744	6,011144	5,7896347	6,124874667	0,33524	1,261587263	---	
17207333	7,747749	7,465064	7,300261	7,83239	7,880737	7,806403	7,504358	7,839843333	0,33548533	1,261801817	---	
17298364	10,33986	10,29145	10,54364	10,68123	10,782	10,71819	10,39165	10,72714	0,33549	1,261805898	Nt5dc2	
17216960	6,254455	6,487111	5,996989	6,384211	6,703197	6,657775	6,246185	6,581727667	0,33554267	1,261851963	Pigr	
17243633	4,6896	4,479203	4,481983	4,999203	4,783944	4,874697	4,550262	4,885948	0,335686	1,261977335	Fhl4	
17205419	5,364993	4,538043	5,658368	5,735783	5,034755	5,798175	5,1871347	5,522904333	0,33576967	1,262050523	---	
17209793	6,132708	6,726659	6,114516	6,812479	7,082645	6,086076	6,3246277	6,6604	0,33577233	1,262052856	---	
17452126	5,068011	5,525144	4,904933	5,734241	5,426686	5,344514	5,1660293	5,501813667	0,33578433	1,262063354	Oas1a	
17509013	3,775364	3,576384	3,694814	3,663634	4,011338	4,379009	3,6821873	4,017993667	0,33580633	1,262082599	Adam34	
17382357	4,363413	3,8597	3,730476	3,993286	4,48687	4,480967	3,9845297	4,320374333	0,33584467	1,262116134	---	
17409280	4,937489	5,167606	5,17014	5,426727	5,636385	5,22003	5,091745	5,427714	0,335969	1,26222491	Gm12522	
17532706	7,828124	7,009653	6,197381	7,775736	6,735916	7,531539	7,0117193	7,347730333	0,336011	1,262261656	Gmcl1l // Gmcl1l	
17532720	7,828124	7,009653	6,197381	7,775736	6,735916	7,531539	7,0117193	7,347730333	0,336011	1,262261656	Gmcl1l // Gmcl1l	
17340548	5,977019	6,363099	6,188983	6,549742	6,431436	6,557057	6,176367	6,512745	0,336378	1,262582798	Tmem181b-ps	
17359948	8,680729	9,175396	8,61049	9,266056	9,031187	9,178719	8,822205	9,158654	0,336449	1,262644935	---	
17240577	6,946526	7,112021	6,577657	7,571951	6,781733	7,291872	6,8787347	7,215185333	0,33645067	1,262646394	---	
17423987	8,57436	8,594784	8,187374	8,919957	8,819315	8,627396	8,4521727	8,788889333	0,33671667	1,262879218	Ddx58	
17366752	7,01056	7,15421	6,911494	7,471519	7,129632	7,485356	7,0254213	7,362169	0,33674767	1,262906355	---	
17366764	7,01056	7,15421	6,911494	7,471519	7,129632	7,485356	7,0254213	7,362169	0,33674767	1,262906355	---	
17501679	5,209602	4,872693	5,230724	5,338244	5,48875	5,496368	5,1043397	5,441120667	0,336781	1,262935535	D130040H23Rik	
17549280	8,51993	8,763989	8,522415	8,706898	9,013947	9,095879	8,6021113	8,938908	0,33679667	1,262949249	---	
17459151	6,229971	6,433626	7,201237	7,123735	7,033327	6,718246	6,6216113	6,958436	0,33682467	1,262973761	---	
17201345	4,389111	4,267563	3,467642	5,09321	3,7198	4,323295	4,0414387	4,378768333	0,33732967	1,263415929	---	
17550432	4,406047	4,200504	4,242235	4,641473	4,465282	4,75413	4,2829287	4,620295	0,33736633	1,26344804	---	
17233769	11,51171	11,1515	11,18792	11,42528	11,5805	11,85769	11,28371	11,62115667	0,33744667	1,263518394	Gm5424 // Gm5424 // Gm5424 // Gm54	
17210229	4,375134	4,248036	5,495899	5,08431	4,686861	5,360761	4,7063563	5,043977333	0,337621	1,263671085	---	
17272785	9,330519	9,346363	8,901217	9,672306	9,449382	9,469285	9,1926997	9,530324333	0,33762467	1,263674297	Lgals3bp	
17206427	5,585911	5,399551	6,016399	6,078541	6,192212	5,744338	5,667287	6,005030333	0,33774333	1,263778242	---	
17219469	10,68564	10,7261	10,77768	11,10505	11,11603	10,98194	10,729807	11,06767333	0,33786667	1,263886285	---	
17202167	6,154709	5,450163	6,716896	6,209464	6,973473	6,152449	6,107256	6,445128667	0,33787267	1,263891542	---	
17205449	5,665316	6,274308	5,495294	6,156705	6,047374	6,245278	5,8116393	6,149785667	0,33814633	1,264131313	---	
17533806	4,616873	3,60586	4,325319	4,656997	4,332396	4,573609	4,182684	4,521000667	0,33831667	1,264280573	Gm4907	
17201517	4,615726	3,8965	3,3476	4,888688	4,269111	3,717134	3,9532753	4,291644333	0,338369	1,264326436	---	
17372428	4,066812	4,473441	4,037373	4,479875	4,381244	4,731986	4,192542	4,531035	0,338493	1,264435109	---	
17202963	5,429699	5,301859	5,255746	5,151823	5,608512	6,242804	5,3291013	5,667713	0,33861167	1,264539118	---	
17497637	4,559028	4,215036	4,325962	4,686502	4,972272	4,457851	4,3666753	4,705541667	0,33886633	1,264762356	Olfr524	
17535926	4,823503	5,030432	4,727159	5,053513	5,077206	5,467115	4,8603647	5,199278	0,33891333	1,26480356	---	
17487539	5,42144	5,406672	4,947991	5,487153	5,472406	5,833887	5,258701	5,597815333	0,33911433	1,264979788	Gm4567 // Gm4567 // Gm4567 // Gm45	
17487629	5,42144	5,406672	4,947991	5,487153	5,472406	5,833887	5,258701	5,597815333	0,33911433	1,264979788	Gm4567 // Gm4567 // Gm4567 // Gm45	
17524703	4,842436	4,606236	4,986165	5,218014	5,225209	5,009141	4,8116123	5,150788	0,33917567	1,265033567	Ap1m2	
17238293	5,731489	5,86885	5,900651	6,422863	5,989504	6,106173	5,8336633	6,172846667	0,33918333	1,26504029	Mir677	
17210501	2,910016	3,003031	3,344025	3,442062	3,440668	3,392048	3,0856907	3,424926	0,33923533	1,265085887	---	
17250162	3,511054	3,709302	3,788358	4,068971	4,024844	3,933092	3,6695713	4,008969	0,33939767	1,265228244	Hist3h2ba	

17549338	7,591007	7,305979	7,65557	7,829301	8,085746	7,655799	7,5175187	7,856948667	0,33943	1,2652566	---
17549458	4,855657	5,107307	5,232646	5,455728	5,360581	5,397696	5,0652033	5,404668333	0,339465	1,265287296	---
17549846	4,855657	5,107307	5,232646	5,455728	5,360581	5,397696	5,0652033	5,404668333	0,339465	1,265287296	---
17208483	2,747551	2,511075	3,046586	2,907428	3,548595	2,867946	2,768404	3,107989667	0,33958567	1,265393128	---
17276934	3,897973	4,004426	3,797558	3,918839	4,437968	4,362352	3,8999857	4,239719667	0,339734	1,265523239	Ttc9
17407749	5,714136	5,434833	5,969586	5,770962	6,232022	6,135264	5,706185	6,046082667	0,33989767	1,265666814	Bnipl
17367856	5,673249	5,976281	5,614398	6,034451	6,209866	6,039657	5,7546427	6,094658	0,34001533	1,265770047	---
17420429	8,823108	9,323357	8,94643	9,600421	9,153744	9,358779	9,030965	9,370981333	0,34001633	1,265770924	---
17507368	6,83172	6,907889	7,230317	7,259114	7,605269	7,125619	6,9899753	7,330000667	0,34002533	1,265778821	3930402G23Rik
17531442	3,998502	4,06607	4,146017	4,354595	4,528377	4,34795	4,0701963	4,410307333	0,340111	1,265853984	Fbxw18
17534689	3,253675	3,271206	3,855884	3,738134	4,177137	3,48604	3,460255	3,800437	0,340182	1,265916283	---
17474759	6,553611	5,910953	5,508379	6,230894	6,519	6,24384	5,990981	6,331244667	0,34026367	1,265987945	Vmn1r130
17474774	6,553611	5,910953	5,508379	6,230894	6,519	6,24384	5,990981	6,331244667	0,34026367	1,265987945	Vmn1r130
17474807	6,553611	5,910953	5,508379	6,230894	6,519	6,24384	5,990981	6,331244667	0,34026367	1,265987945	Vmn1r130
17208131	5,507445	6,495093	6,175123	6,310416	6,767378	6,120691	6,0592203	6,399495	0,34027467	1,265997597	---
17335234	4,708606	4,738455	4,501639	4,834754	5,020804	5,114342	4,6495667	4,989966667	0,3404	1,266107585	Scube3
17200335	5,90126	6,443613	5,713715	6,26865	6,403312	6,407919	6,0195293	6,359960333	0,340431	1,266134791	---
17281181	6,660917	6,950516	6,535925	7,062633	7,093361	7,012891	6,715786	7,056295	0,340509	1,266203247	2700097O09Rik
17457874	4,200073	4,752242	4,624	5,002076	4,836551	4,759615	4,5254383	4,866080667	0,34064233	1,266320274	Tas2r144
17203787	5,711967	4,945416	5,166057	5,61538	5,831368	5,398619	5,27448	5,615122333	0,34064233	1,266320274	---
17204049	8,039781	8,73035	8,097191	8,679124	8,88146	8,328673	8,2891073	8,629752333	0,340645	1,266322615	---
17216215	3,766284	3,767142	3,663502	4,547908	3,724344	3,947572	3,7323093	4,073274667	0,34096533	1,266603818	---
17399426	5,605702	5,259778	5,151133	5,607232	5,78632	5,645987	5,338871	5,679846333	0,34097533	1,266612597	Gm15417
17338670	5,157393	5,05138	5,040371	5,363878	5,656816	5,252107	5,083048	5,424267	0,341219	1,266826542	Fsd1
17200977	6,512775	6,94249	6,91022	6,85891	7,126231	7,404022	6,788495	7,129721	0,341226	1,266832689	---
17472884	4,083176	4,052692	4,631134	4,711225	4,568227	4,511272	4,2556673	4,596908	0,34124067	1,266845568	Gm6654
17451930	4,924571	4,883995	4,992342	5,411656	5,020334	5,393534	4,933636	5,275174667	0,34153867	1,267107272	AW549542
17439211	4,305577	4,323576	3,748291	4,408978	4,498396	4,494768	4,1258147	4,467380667	0,341566	1,267131279	Gm6348 // Gm6346
17487558	6,155054	5,792496	5,99473	6,30119	6,392014	6,273865	5,98076	6,322356333	0,34159633	1,267157921	Vmn1r119
17419265	6,378259	6,394293	6,721357	6,819963	6,783195	6,915673	6,4979697	6,839610333	0,34164067	1,267196861	---
17548046	5,956159	5,781816	5,510258	5,939844	6,28297	6,05038	5,749411	6,091064667	0,34165367	1,26720828	Pcdhga10
17208933	6,988603	7,263623	7,179864	7,73987	7,518358	7,198888	7,14403	7,485705333	0,34167533	1,267227311	---
17500828	3,385526	3,642715	3,371578	3,674895	3,919127	3,830858	3,4666063	3,808293333	0,341687	1,267237559	---
17262241	7,490543	7,876337	7,075621	8,014512	7,697079	7,756164	7,4808337	7,822585	0,34175133	1,267294069	9930111J21Rik2 // 9930111J21Rik2
17207791	6,319516	6,636266	6,541522	6,975769	6,706529	6,840762	6,4991013	6,84102	0,34191867	1,267441067	---
17202221	7,119714	7,683156	6,934986	7,427738	7,709332	7,626568	7,245952	7,587879333	0,34192733	1,267448681	---
17541081	4,749949	4,595132	4,595132	5,498031	4,817113	4,650998	4,6467377	4,988714	0,34197633	1,267491729	Rhox3h
17524838	7,638414	7,984468	7,844535	8,392147	8,191495	7,909719	7,8224723	8,164453667	0,34198133	1,267496122	Tmem205
17202785	4,038917	4,164865	4,578287	4,303057	4,97053	4,534825	4,2606897	4,602804	0,34211433	1,267612976	---
17492478	11,00227	10,88705	10,67096	11,10505	11,27464	11,20729	10,853427	11,19566	0,34223333	1,267717539	Idh2
17415373	7,31617	7,719133	7,665504	7,863366	7,92664	7,937505	7,5669357	7,909170333	0,34223467	1,267718711	Ifna1
17203855	3,5183	2,973156	2,898315	3,240913	3,406698	3,769113	3,1299237	3,472241333	0,34231767	1,267791646	---
17434322	5,449186	5,484551	5,6107	6,200836	5,650417	5,720429	5,5148123	5,857227333	0,342415	1,267877182	---
17469634	3,71442	3,586594	3,36197	3,830807	3,968296	3,891159	3,554328	3,896754	0,342426	1,267886849	---
17206281	5,869028	5,988957	6,194615	6,702738	6,394885	5,982704	6,0175333	6,360109	0,34257567	1,268018388	---
17263765	8,26609	8,044883	7,929544	8,37439	8,339387	8,554529	8,0801723	8,422768667	0,34259633	1,268036553	Slc47a1
17203623	5,121817	4,782674	4,7913	5,174655	5,193155	5,35594	4,898597	5,24125	0,342653	1,26808636	---
17259518	8,127677	9,017333	8,952319	8,762732	9,006153	9,357233	8,6991097	9,042039333	0,34292967	1,268329565	---
17391448	8,406651	8,406651	7,568755	8,765496	8,402394	8,243278	8,1273523	8,470389333	0,343037	1,268423929	---
17204439	3,780062	3,244521	3,583412	4,520187	3,422685	3,694813	3,5359983	3,879228333	0,34323	1,268593627	---
17305967	6,731786	6,182839	6,70449	6,788776	6,940822	6,919395	6,539705	6,882997667	0,34329267	1,268648733	Ttc5
17465080	9,638111	9,132572	8,863221	9,301096	9,590621	9,772262	9,2113013	9,554659667	0,34335833	1,268706479	Aass
17410435	7,303061	7,02309	7,169528	7,481232	7,589514	7,455119	7,1652263	7,508621667	0,34339533	1,268739017	Npnt
17357505	6,849228	6,595362	7,483084	7,874458	6,741867	7,341702	6,9758913	7,319342333	0,343451	1,268787972	---
17203561	5,199594	5,798802	5,986505	6,950482	5,632023	5,432796	5,6616337	6,005100333	0,34346667	1,268801751	---
17210499	4,749016	3,736022	4,020212	3,534734	6,133457	3,867494	4,1684167	4,511895	0,34347833	1,268812011	---
17208875	5,947747	4,49069	4,755666	5,924896	4,913496	5,386164	5,064701	5,408185333	0,34348433	1,268817288	---
17232912	8,066369	7,948898	8,097528	8,15155	8,609763	8,382199	8,0375983	8,381170667	0,34357233	1,268894684	Sesn1
17241921	5,615198	5,793727	5,342766	5,892867	5,775443	6,114585	5,583897	5,927631667	0,34373467	1,269037469	Gstt3
17202771	4,951547	4,378992	3,980448	4,956756	4,761862	4,62361	4,4369957	4,780742667	0,343747	1,269048318	---
17297187	3,595412	3,575582	3,233192	3,712028	4,000248	3,723242	3,468062	3,811839333	0,34377733	1,269075001	---
17208925	7,558897	6,896131	7,206774	8,044407	7,155316	7,493767	7,2206007	7,564496667	0,343896	1,269179391	---
17250101	5,558462	5,547959	5,625983	5,764132	6,070405	5,929555	5,577468	5,921364	0,343896	1,269179391	Olfr315
17203839	4,748806	4,617796	4,964911	5,509181	5,095657	4,758709	4,777171	5,121182333	0,34401133	1,269280857	---
17274889	6,661121	7,019824	6,281503	6,87845	6,931029	7,185215	6,6541493	6,998231333	0,344082	1,269343031	Gdap10
17392988	4,453339	4,558539	4,688553	4,801066	4,908477	5,023288	4,5668103	4,910943667	0,34413333	1,269388197	H13
17202677	5,661348	5,928164	6,173804	6,304203	6,498156	5,993499	5,9211053	6,265286	0,34418067	1,269429845	---
17259519	7,784778	8,519722	7,288682	8,274673	8,34661	8,00481	7,864394	8,208697667	0,34430367	1,269538078	---
17209731	3,532356	3,403414	2,860923	3,86272	3,394567	3,572623	3,2655643	3,60997	0,34440567	1,269627838	---
17306147	10,30222	10,38713	10,30906	10,4502	10,79803	10,78376	10,332803	10,67733	0,34452667	1,269734327	Ndrg2
17206493	6,997522	7,190601	7,03451	7,473955	7,165905	7,616493	7,074211	7,418784333	0,34457333	1,2697754	---
17310282	9,901782	9,847153	9,67977	10,02306	10,27716	10,16224	9,8095683	10,15415333	0,344585	1,269785668	Agxt2
17382154	5,194831	5,037532	4,935463	5,284824	5,461182	5,456143	5,055942	5,400716333	0,34477433	1,269952321	---
17326747	6,820402	7,00245	6,972598	7,175618	7,269255	7,385255	6,9318167	7,276709333	0,34489267	1,27005649	1700066C05Rik
17363156	5,82226	5,853696	4,971862	5,836696	5,604287	6,241621	5,5492727	5,894201333	0,34492867	1,270088182	---
17363158	5,82226	5,853696	4,971862	5,836696	5,604287	6,241621	5,5492727	5,894201333	0,34492867	1,270088182	---
17371873	7,576391	7,35497	7,287543	7,709158	7,962016	7,583661	7,4063013	7,751611667	0,34531033	1,27042423	Rapgef4
17234373	7,645248	7,620666	7,639824	7,801556	8,164927	7,975795	7,635246	7,980759333	0,34551333	1,270603002	Ggt1
17205747	6,526811	4,997381	5,929238	6,215631	5,831177	6,443228	5,81781	6,163345333	0,34553533	1,270622378	---
17534774	4,8274	3,785997	3,812674	4,654758	4,173013	4,635322	4,1420237	4,487697667	0,345674	1,270744512	Gm16405
17487566	5,569607	5,701527	5,324319	6,036383	5,938732	5,657471	5,5318177	5,877528667	0,345711	1,270777102	Vmn1r124
17326391	4,983113	4,716908	4,874781	5,208182	5,377971	5,025877	4,8582673	5,20401	0,34574267	1,270804996	---
17526623	7,911553	8,293545	7,85008	8,060929	8,572493	8,459096	8,0183927	8,364172667	0,34578	1,270837881	Apoc3
17488134	6,641956	6,658184	6,861623	7,171129	6,94308	7,0856	6,7205877	7,066603	0,34601533	1,271045198	Rab4b
17235730	4,978587	4,69147	5,217173	5,234706	5,260256	5,430429	4,96241	5,308463667	0,34605367	1,271078971	2210404O07Rik
17209503	6,540101	6,55901	6,269026	6,432924	7,335328	6,638184	6,4560457	6,802145333	0,34609967	1,2711195	---
17379300	3,904854	3,776401	3,884919	4,203814	4,197226	4,203489	3,8553913	4,201509667	0,34611833	1,271135947	0610039K10Rik
17209565	7,499321	7,324608	7,438932	7,661373	7,709072	7,93136	7,4209537	7,767268333	0,34631467	1,271308945	---
17210163	6,131377	5,964184	5,924306	6,187154	6,591975	6,279789	6,0066223	6,352972667	0,34635033	1,271340375	---
17302963	3,960945	3,948032	3,450723	4,406349	3,99758	3,995469	3,7865667	4,133132667	0,346566	1,27153044	---
17359963	8,091991	7,501348	7,979311	8,473794	7,909024	8,229725	7,85755	8,204181	0,346631	1,271587729	---
17204803	6,858107	5,861283	6,73753	6,999862	6,54826	6,949193	6,48564	6,832438333	0,34679833	1,271735225	---
17200979	4,1813	5,466026	4,303132	5,363646	3,653597	5,97383	4,6501527	4,997024333	0,34687167	1,27179987	---
17205935	6,859778	6,531471	7,012054	7,197749	7,038958	7,207404	6,801101	7,148037	0,346936	1,271856584	---
17543691	6,463373	6,360688	6,530884	6,905964	6,858955	6,631109	6,4516483	6,798676	0,34702767	1,271937399	Phka1
17474726	6,941549	6,3428	5,900636	6,67197	6,91969	6,634488	6,394995	6,742049333	0,34705433	1,271960909	Vmn1r143
17210177	5,107314	4,937438	5,119014	4,816945	5,763339	5,625241	5,0545887	5,401841667	0,347253	1,272136077	---
17359958	7,401066	6,714545	7,440358	7,131224	7,761696	7,705206	7,185323	7,532708667	0,34738567	1,272253065	---
17382080	3,538068	3,705166	3,403204	4,194914	3,68187	3,811996	3,5488127	3,89626	0,34744733	1,272307447	---
17240224	4,272105	3,500137	3,83058	4,421207	4,301397	3,923021	3,8676073	4,215208333	0,347601	1,272442972	---
17208361	7,652646	8,054148	8,34058	8,507975	8,216897	8,365417	8,0157913	8,363429667	0,34763833	1,272475901	---
17209031	5,414461	5,884727	4,98757	5,681908	5,885524	5,76234	5,4289193	5,776590667	0,34767133	1,272505007	---
17523572	4,264191	4,368418	4,55393	4,764614	4,991776	4,47341	4,395513	4,743266667	0,34775367	1,27257763	---
17202685	2,97076	3,906803	3,762019	4,041633	3,89434	3,74698	3,5465273	3,894317667	0,34779033	1,272609974	---
17205987	6,108018	6,043866	6,044129	6,371308	6,4183	6,450707	6,0653377	6,413438333	0,34810067	1,27288375	---
17209897	5,071432	5,103618	4,404121	4,935401	4,930049	5,758152	4,8597237	5,207867333	0,34814367	1,272921689	---
17530884	6,528709	6,4196	6,189863	6,601747	6,706165	6,874716	6,3793907	6,727542667	0,348152	1,272929042	Hemk1
17540116	3,906138	3,698442	3,510984	4,111533	3,996264	4,052518	3,705188	4,053438333	0,34825033	1,273015807	Ssxb3
17371019	5,599399	5,952219	5,769033	6,285836	6,236117	5,84414	5,7735503	6,122031	0,34848067	1,273219067	Tanc1
17512457	4,14892	4,744411	4,245665	4,635908	4,862327	4,686428	4,3796653	4,728221	0,34855567	1,273285258	---
17522280	5,760858	5,793044	5,709298	6,241693	6,134641	5,932559	5,7544	6,102964333	0,34856433	1,273292907	---
17210829	6,259611	6,403752	5,35605	6,278071	6,19476	6,592655	6,006471	6,355162	0,348691	1,273404705	---
17207983	5,01189	4,824529	5,134374	5,871131	4,793941	5,351664	4,9902643	5,338971667	0,34870733	1,273419122	---
17208163	5,979272	6,079821	5,62868	6,177884	6,189031	6,367455	5,8959243	6,24479	0,34886567	1,273558885	---
17324670	8,820249	9,436063	8,895893	9,529148	9,524584	9,145138	9,050735	9,399623333	0,34888833	1,273578895	---
17203083	5,855923	5,702926	5,959738	6,186058	6,275318	6,104727	5,839529	6,188701	0,349172	1,273829334	---
17200747	4,563404	4,752953	4,385909	4,026364	4,922949	5,800782	4,567422	4,916698333	0,34927633	1,273921458	---
17284370	5,404588	5,60586	5,266519	5,989264	5,638933	5,697243	5,4256557	5,775146667	0,349491	1,274111026	---
17500873	3,872717	3,732409	3,787785	4,265917	4,101285	4,074184	3,797637	4,147128667	0,34949167	1,274111615	Gm19634
17483648	4,671685	4,52132	5,177593	5,186971	5,277771	4,954574	4,7901993	5,139772	0,34957267	1,274183152	Itgad
17288338	5,521323	4,993526	5,427484	5,672265	5,192516	6,126897	5,314111	5,663892667	0,34978167	1,274367754	Zfp493
17289429	4,568262	4,583137	4,901556	5,151039	4,838202	5,113645	4,6843183	5,034295333	0,349977	1,274540308	Gm807
17202607	2,968615	3,010944	3,442535	3,681954	3,288128	3,501984	3,140698	3,490688667	0,34999067	1,274552382	---
17410022	4,123871	4,412303	4,696056	4,267523	5,683713	4,331001	4,4107433	4,760745667	0,35000233	1,274562689	Myoz2
17204965	4,803533	5,301037	4,801003	4,934516	5,940935	5,080225	4,9685243	5,318558667	0,35003433	1,27459096	---
17202737	4,889245	5,425249	4,598008	5,494288	5,500449	4,967979	4,970834	5,320905333	0,35007133	1,274623649	---
17202569	4,977287	5,12832	4,99634	5,495132	5,678288	4,979156	5,0339823	5,384192	0,35020967	1,274745872	---
17203341	3,615294	4,120934	3,970759	4,74153	4,201365	3,814873	3,902329	4,252589333	0,35026033	1,274790642	---
17207651	5,511034	5,001557	5,514051	5,747663	5,383532	5,946477	5,342214	5,692557333	0,35034333	1,274863984	---
17203335	3,887064	5,987821	5,677607	5,558204	5,435327	5,611066	5,184164	5,534865667	0,35070167	1,275180671	---
17202653	5,299029	6,264033	5,863341	6,206806	5,933902	6,337927	5,808801	6,159545	0,350744	1,27521809	---
17357640	5,277791	5,784904	5,514958	6,244114	5,636959	5,748883	5,5258843	5,876652	0,35076767	1,275239009	Ms4a4a
17204397	5,311641	4,793663	5,21497	5,372408	6,127268	4,872903	5,106758	5,457526333	0,35076833	1,275239598	---
17213021	9,976654	10,0763	9,719658	10,36415	10,25782	10,2035	9,924204	10,27515667	0,35095267	1,275402546	Aox3

17417699	8,735447	9,057586	8,477522	9,008256	9,104258	9,211448	8,7568517	9,107987333	0,35113567	1,275564336	---	
17482738	7,921971	7,243382	7,846872	8,151549	7,922961	7,991167	7,6707417	8,021892333	0,35115067	1,275577599	---	
17201307	5,204049	4,788347	4,86742	5,052829	5,830716	5,030021	4,953272	5,304522	0,35125	1,275665429	---	
17209747	4,290649	4,577518	4,311383	4,989129	4,59812	4,646373	4,3931833	4,744540667	0,35135733	1,275760339	---	
17207113	4,019677	4,017141	4,41221	4,316154	4,867353	4,319628	4,149676	4,501045	0,351369	1,275770655	---	
17467466	6,776259	6,34671	6,062788	6,944662	6,451587	6,843636	6,3952523	6,746628333	0,351376	1,275776846	---	
17208507	5,773113	6,539129	6,936206	7,298363	6,727352	6,276904	6,4161493	6,767539667	0,35139033	1,275789521	---	
17487094	4,257367	4,171212	3,812718	4,235762	4,449353	4,61037	4,0804323	4,431828333	0,351396	1,275794532	Psg20	
17311341	5,26499	5,07709	4,887672	5,1769	5,360835	5,746718	5,076584	5,428151	0,351567	1,275945758	---	
17230078	7,266708	8,415565	6,833166	8,160822	7,976314	7,43318	7,5051463	7,856772	0,35162567	1,275997645	Mnda	
17205437	6,603059	6,299851	6,767355	7,138663	6,592121	6,994663	6,556755	6,908482333	0,35172733	1,276087568	---	
17208627	6,877062	7,135344	6,651128	7,226583	6,906684	7,585481	6,8878447	7,239582667	0,351738	1,276097003	---	
17205709	6,673471	6,806462	6,955994	7,294126	7,180943	7,016533	6,8119757	7,163867333	0,35189167	1,276232932	---	
17306861	7,699434	7,914017	8,003875	8,155771	8,26063	8,256704	7,872442	8,224368333	0,35192633	1,276263599	---	
17209817	4,043977	4,022102	3,642625	4,378762	3,744753	4,641231	3,9029013	4,254915333	0,352014	1,276341154	---	
17487517	6,339828	6,344982	5,48598	6,229349	6,355028	6,642521	6,05693	6,408966	0,352036	1,276360618	Vmn1r118	
17487611	6,339828	6,344982	5,48598	6,229349	6,355028	6,642521	6,05693	6,408966	0,352036	1,276360618	Vmn1r118	
17531799	3,666162	3,304338	3,455645	4,012282	3,898678	3,57179	3,4753817	3,827583333	0,35220167	1,276507193	Mir128-2	
17204935	7,808519	8,124163	8,185801	8,379144	7,987557	8,808961	8,0394943	8,391887333	0,352393	1,276676497	---	
17378327	7,872552	8,481215	7,979311	8,280099	8,506559	8,603707	8,111026	8,463455	0,352429	1,276708355	---	
17538767	6,983242	6,90314	5,503294	6,866518	6,328335	7,252872	6,4632253	6,815908333	0,352683	1,276933151	---	
17210257	4,005214	4,142905	4,364809	4,950952	4,401449	4,219265	4,170976	4,523888667	0,35291267	1,277136446	---	
17481328	3,57566	3,390453	3,542318	4,046584	4,113141	3,407525	3,5028103	3,85575	0,35293967	1,277160347	Olfr659	
17204001	3,577907	3,480487	3,376404	3,56643	4,281916	3,645729	3,478266	3,831358333	0,35309233	1,277295504	---	
17233306	4,149713	4,298807	4,297141	4,52337	4,654096	4,627626	4,2485537	4,601697333	0,35314367	1,277340953	Slc35f1	
17373406	6,753318	6,552364	6,515564	7,059621	6,900418	6,920876	6,607082	6,960305	0,353223	1,277411196	Harbi1	
17339583	3,077033	3,651848	3,246366	3,886577	3,695654	3,453525	3,3250823	3,678585333	0,3535503	1,277659141	---	
17209069	3,709906	4,721262	3,96063	4,385659	4,786012	4,280977	4,1305993	4,484216	0,35361667	1,277759809	---	
17394571	6,189387	5,931252	6,382274	6,524134	6,388368	6,651279	6,1676377	6,521260333	0,35362267	1,277765123	---	
17533535	3,993784	3,87774	4,128275	4,090868	4,523258	4,446739	3,999933	4,353621667	0,35368867	1,277823579	Chst7	
17204109	5,350835	4,939965	5,012088	5,70701	5,214365	5,443326	5,1009627	5,454900333	0,35393767	1,278044143	---	
17489542	3,655375	3,626191	3,950313	3,991433	4,524558	3,778277	3,7439597	4,098089333	0,35412967	1,278214241	Abpd	
17392821	4,22151	4,388003	4,373208	4,75284	4,856446	4,436159	4,3275737	4,681815	0,35424133	1,278313181	4921509C19Rik	
17336414	5,150146	5,052124	5,288157	5,678833	5,50671	5,367923	5,1634757	5,517822	0,35434633	1,278406221	H2-DMb2	
17207899	4,873845	4,808613	5,673925	4,711242	6,289875	5,418542	5,1187943	5,473219667	0,35442533	1,278476226	---	
17539754	7,888108	6,933785	6,214727	7,791162	6,824494	7,484284	7,0122067	7,366646667	0,35444	1,278489223	Gm10921	
17540885	7,888108	6,933785	6,214727	7,791162	6,824494	7,484284	7,0122067	7,366646667	0,35444	1,278489223	Gm10921	
17298379	7,188784	6,678697	7,19062	7,120975	7,484921	7,515565	7,019367	7,373820333	0,35445333	1,278501039	Tnnc1	
17209009	4,867732	5,002078	5,052916	5,14692	5,861923	4,977371	4,974242	5,328738	0,354496	1,278538851	---	
17502376	4,440756	3,871359	4,586019	4,48094	4,857955	4,622841	4,299378	4,653912	0,354534	1,278572527	---	
17206085	5,19996	4,410597	4,58307	5,606199	4,919975	4,731299	4,731209	5,085824333	0,35461533	1,27864461	---	
17334656	4,338813	4,083734	4,328217	4,67839	4,727566	4,408952	4,2502547	4,604969333	0,35471467	1,278732651	Prss29	
17203581	3,521937	3,885405	3,906253	4,676547	3,728991	3,972497	3,7711983	4,126011667	0,35481333	1,278820107	---	
17333505	8,676249	8,726279	8,938951	9,263599	9,067943	9,074432	8,780493	9,135324667	0,35483167	1,278836358	2210404J11Rik // 2210404J11Rik	
17487529	5,99674	6,006245	5,77356	6,397353	6,168846	6,275941	5,925515	6,280713333	0,35519833	1,279161421	Vmn1r101	
17421327	4,33317	4,078409	3,994176	4,385573	5,023843	4,062058	4,1352517	4,490491333	0,35523967	1,279198069	---	
17302141	6,098674	5,706973	6,033548	6,294037	6,425937	6,18524	5,9463983	6,301738	0,35533967	1,27928674	Epsti1	
17207729	6,738223	6,70286	7,002849	7,239918	7,231761	7,03914	6,814644	7,170273	0,355629	1,279543327	---	
17203535	3,018262	3,633868	4,230708	4,263869	3,978078	3,708432	3,6276127	3,983459667	0,355847	1,279736689	---	
17205327	3,136627	3,273387	3,266856	3,248772	4,084507	3,411642	3,2256233	3,581640333	0,356017	1,279887495	---	
17462729	6,973299	6,932663	6,810666	7,29805	7,16536	7,321669	6,9055427	7,261693	0,35615033	1,280005787	Clec4a1	
17205521	5,687204	6,273927	5,862792	6,274846	6,393284	6,22434	5,9413077	6,29749	0,35618233	1,280034179	---	
17203175	6,057266	6,672888	6,130642	6,611382	6,791953	6,526026	6,286932	6,643120333	0,35618833	1,280039503	---	
17522161	5,541688	5,48839	5,425815	5,674459	6,095319	5,754924	5,4852977	5,841567333	0,35626967	1,280111668	Ccdc51	
17203789	5,830928	6,615264	6,312643	7,207947	5,760744	6,859731	6,252945	6,609474	0,356529	1,280341797	---	
17526315	5,999903	5,730791	6,097605	6,184355	6,52021	6,193456	5,9427663	6,299340333	0,356574	1,280381733	Phldb1	
17343827	6,594912	6,233511	6,730384	7,0425	6,424597	7,161929	6,5196023	6,876342	0,35673967	1,28052877	H2-Ea-ps	
17548236	6,183841	5,647758	5,321674	6,130064	6,074046	6,019537	5,7177577	6,074549	0,35679133	1,28057463	Csprs // Csprs	
17548924	6,183841	5,647758	5,321674	6,130064	6,074046	6,019537	5,7177577	6,074549	0,35679133	1,28057463	Csprs // Csprs	
17203129	3,926805	5,206203	4,869628	5,323109	4,262973	5,487465	4,6675453	5,024515667	0,35697033	1,280733525	---	
17485497	6,960657	7,235986	7,481938	7,788661	7,712755	7,248112	7,2261937	7,583176	0,35698233	1,280744178	Nlrp12	
17207295	5,219918	3,368598	5,422383	4,884293	5,405555	4,792099	4,6702997	5,027315667	0,357016	1,280774065	---	
17385797	8,704616	8,9206	8,095996	9,028428	8,989094	8,774831	8,5737373	8,930784333	0,357047	1,280801586	Ifih1	
17413269	5,043296	4,856408	4,82474	5,556002	5,103161	5,136755	4,908148	5,265306	0,357158	1,280900134	Atp8b5	
17206629	5,662225	5,740764	5,355523	5,835037	5,423626	6,571763	5,5861707	5,943475333	0,35730467	1,281030359	---	
17206561	7,333872	7,358134	7,06636	8,083486	7,490674	7,256149	7,2527887	7,610103	0,35731433	1,281038943	---	
17207727	4,932574	4,786451	4,856627	5,548964	5,516706	4,581976	4,8585507	5,215882	0,35733133	1,281054038	---	
17278812	4,193	4,390227	3,634422	4,609328	4,58274	4,098172	4,0725497	4,43008	0,35753033	1,281230754	Mir1197	
17200051	5,086091	4,688676	5,050663	5,214158	5,572718	5,111291	4,94181	5,299389	0,357579	1,281273975	---	
17238922	8,893155	9,213243	8,652954	9,454051	9,389179	8,98936	8,919784	9,27753	0,357746	1,281422298	Syne1	
17201599	3,04944	4,071596	3,118628	4,082902	4,265798	2,964249	3,4132213	3,770983	0,35776167	1,281436213	---	
17208349	4,609336	3,682762	4,135901	4,829051	4,535408	4,137662	4,1426663	4,500707	0,35804067	1,281684052	---	
17406492	5,366676	5,197326	5,352467	5,629696	5,764095	5,596967	5,3054897	5,663586	0,35809633	1,281733507	Kirrel	
17210091	6,252224	6,753156	6,438392	6,999724	6,618616	6,899927	6,4812573	6,839422333	0,358165	1,281794514	---	
17540736	6,5343	5,431483	4,959557	6,61965	5,392637	5,988972	5,64178	6,000419667	0,35863967	1,282216311	Gm6121 // Gm6121	
17204005	4,533463	4,960971	4,090924	5,35984	4,236567	5,065083	4,5284527	4,887163333	0,35871067	1,282279415	---	
17252226	6,709662	6,603295	6,786746	7,007053	7,12698	7,042051	6,699901	7,058694667	0,35879367	1,282353188	Zfp3	
17201053	6,037625	6,240159	6,028437	6,090355	6,945438	6,346928	6,1020737	6,460907	0,35883333	1,282388447	---	
17481608	3,912052	3,527023	3,509123	4,016558	4,05874	3,949515	3,6493993	4,008271	0,35887167	1,282422521	Olfr483	
17202055	4,023078	3,633208	3,247988	4,00859	4,106575	3,866491	3,634758	3,993885333	0,35912733	1,282649805	---	
17403743	3,892896	3,889329	3,816585	4,483692	4,658186	3,53469	3,86627	4,225522667	0,35925267	1,28276124	---	
17523861	7,098615	6,574303	6,838418	7,349259	7,284206	6,955757	6,837112	7,196407333	0,35929533	1,282799177	---	
17451746	5,185795	5,410321	5,234914	5,510735	5,664807	5,733531	5,27701	5,636357667	0,35934767	1,282845711	1110006O24Rik	
17419030	7,347573	6,694764	7,402488	7,570021	7,351748	7,601313	7,148275	7,507694	0,359419	1,282909142	---	
17376272	8,426355	8,379472	8,275313	8,40674	8,84968	8,90306	8,36038	8,719826667	0,35944667	1,282933745	Nop56	
17352882	4,380653	4,720647	3,608917	4,618609	4,550497	4,620103	4,236739	4,596403	0,359664	1,283127026	---	
17203115	7,037099	7,341683	7,210833	7,572505	7,705134	7,391066	7,1965383	7,556235	0,35969667	1,28315608	---	
17209039	2,630821	3,560831	3,34386	3,600307	3,509615	3,504739	3,178504	3,538220333	0,35971633	1,283173572	---	
17466805	5,072752	5,344321	4,855217	5,554625	5,334207	5,462817	5,0907633	5,450549667	0,35978633	1,283235833	Hoxa2	
17487582	6,378541	6,34202	5,483459	6,307681	6,336433	6,639492	6,0680067	6,427868667	0,359862	1,283303138	Vmn1r111	
17487596	6,378541	6,34202	5,483459	6,307681	6,336433	6,639492	6,0680067	6,427868667	0,359862	1,283303138	Vmn1r111	
17487657	6,378541	6,34202	5,483459	6,307681	6,336433	6,639492	6,0680067	6,427868667	0,359862	1,283303138	Vmn1r111	
17204297	4,016851	4,052797	4,696538	4,383953	4,725217	4,737326	4,2553953	4,615498667	0,36010333	1,283517827	---	
17489363	12,53756	11,97946	11,28589	12,00872	12,16253	12,71239	11,934303	12,29454667	0,36024333	1,283642386	Hamp	
17206363	3,602498	3,568235	3,607369	3,694433	4,414938	3,750613	3,5927007	3,953328	0,36062733	1,283984097	---	
17487598	5,447432	5,142119	5,116783	5,493294	5,554176	5,74149	5,2354447	5,59632	0,36087533	1,284204833	Gm4567 // Gm4567	
17209645	7,98558	7,19611	7,63991	8,219075	7,657505	8,028027	7,6072	7,968202333	0,36100233	1,284317886	---	
17206511	5,132171	5,249243	5,345784	5,459009	5,649531	5,70207	5,2423993	5,603536667	0,36113733	1,284438072	---	
17508904	4,188956	4,439634	4,601854	4,872443	4,76413	4,677611	4,410148	4,771394667	0,36124667	1,284535415	---	
17277411	7,359525	6,92073	7,416001	7,575347	7,715808	7,488931	7,2320853	7,593362	0,36127667	1,284562127	Mfsd7c	
17201795	5,093315	3,76938	4,437215	4,98991	4,643365	4,750844	4,4333033	4,794706333	0,361403	1,284674618	---	
17201971	5,093315	3,76938	4,437215	4,98991	4,643365	4,750844	4,4333033	4,794706333	0,361403	1,284674618	---	
17209179	5,997659	6,129892	7,037721	6,418267	7,087132	6,744232	6,388424	6,749877	0,361453	1,284719142	---	
17203009	5,841126	6,529953	6,128087	6,510518	6,090388	6,982702	6,1663887	6,527869333	0,36148067	1,284743779	---	
17445236	5,349691	5,551258	5,653307	6,002589	5,890743	5,745806	5,5180853	5,879712667	0,36162733	1,284874395	---	
17202377	5,377739	5,903414	5,163965	5,702244	5,88793	5,940139	5,481706	5,843437667	0,36173167	1,284967318	---	
17203131	5,177854	5,630365	5,312099	5,660624	5,629918	5,9152	5,3734393	5,735247333	0,361808	1,285035308	---	
17210443	5,59457	4,719641	6,006283	5,392036	5,875028	6,14083	5,4401647	5,802631333	0,36246667	1,285622129	---	
17280287	4,793202	5,046627	4,95594	5,299593	5,355661	5,228307	4,931923	5,294520333	0,36259733	1,285738574	9030624G23Rik	
17485215	5,744423	5,682962	6,096382	5,806281	6,852624	5,9529	5,8412557	6,203935	0,36267933	1,285811655	Tnni2	
17206499	8,410108	8,555158	8,4279	8,928729	8,835021	8,71749	8,4643887	8,82708	0,36269133	1,28582235	---	
17466599	11,2131	11,24855	10,6717	11,12504	11,5638	11,53265	11,04445	11,40716333	0,36271333	1,285841958	Lrrc61 // Lrrc61	
17507593	6,429192	5,283575	5,839298	5,990344	6,098583	6,551288	5,8506883	6,213405	0,36271667	1,285844929	---	
17278854	5,718102	6,079033	6,350896	6,510533	6,413454	6,312483	6,0493437	6,412156667	0,362813	1,285930792	Mir134	
17206863	3,350172	5,270407	4,055614	4,576746	3,589336	5,59903	4,2253977	4,588370667	0,362973	1,286073414	---	
17407238	5,076015	5,360092	5,484155	5,777874	5,787421	5,444074	5,306754	5,669789667	0,36303567	1,286129279	---	
17210349	4,826776	4,514815	4,613828	4,535209	4,916945	5,592415	4,6518063	5,014856333	0,36305	1,286142057	---	
17517469	4,274899	4,248432	4,342257	5,123648	4,305779	4,525578	4,2885293	4,651668333	0,363139	1,286221402	Chrna5	
17204269	2,718797	3,088397	3,298912	2,718797	4,470755	3,006089	3,0353687	3,398547	0,36317833	1,286256469	---	
17311457	4,264857	3,866405	3,768404	4,215147	4,545798	4,228592	3,9665553	4,329845667	0,36329033	1,286356329	---	
17341655	5,164972	5,162805	5,524155	5,429613	5,445911	6,066621	5,2839773	5,647381667	0,36340433	1,286457979	Sbpl	
17219462	9,418601	9,930031	9,415084	9,742626	10,22242	9,889791	9,5879053	9,951612333	0,363707	1,286727896	---	
17374421	4,482314	4,16971	4,160163	4,520569	4,71022	4,672565	4,270729	4,634451333	0,36372233	1,286741572	Mir1951	
17294773	4,95768	5,217058	5,066038	5,696045	5,725863	4,910077	5,0802587	5,443995	0,36373633	1,286754059	---	
17203049	5,883162	6,248303	6,03605	6,379635	6,659747	6,219447	6,0558383	6,419609667	0,36377133	1,286785276	---	
17358815	5,555197	5,909227	5,334306	6,113609	5,892474	5,88408	5,5995767	5,963387667	0,363811	1,286820657	Ifit2	
17210641	4,657639	5,19306	4,714883	5,258461	5,195251	5,203568	4,855194	5,219093333	0,36389933	1,286899448	---	
17467489	4,435032	4,031298	3,339376	4,981716	3,605054	4,310789	3,9352353	4,299186333	0,363951	1,286945536	---	
17208955	7,58474	7,621833	7,805638	8,505817	7,985955	7,612524	7,670737	8,034765333	0,36402833	1,287014523	---	
17269595	5,96878	6,305847	6,058181	6,590056	6,470587	6,364857	6,110936	6,475166667	0,36423067	1,287195035	Dhx58	
17517981	6,064732	6,175638	6,377571	6,766134	6,341959	6,603173	6,2059803	6,570422	0,36444167	1,287383307	Parp6	
17211795	5,252787	5,473212	5,737465	5,748327	5,961109	5,847612	5,4878213	5,852349333	0,364528	1,287460348	Arid5a	
17205121	3,781282	3,245505	3,684969	3,837039	4,373345	3,595156	3,5705853	3,93518	0,36459467	1,287519843	---	
17209311	3,781282	3,245505	3,684969	3,837039	4,373345	3,595156	3,5705853	3,93518	0,36459467	1,287519843	---	

17210743	3,934036	4,553341	3,830202	4,937617	4,053037	4,421062	4,1058597	4,470572	0,36471233	1,287624858	---	
17532605	10,1393	10,59391	10,14343	10,29613	10,67672	10,99834	10,292213	10,65706333	0,36485	1,287747733	---	
17387612	3,653976	2,990176	3,163422	4,102727	3,391613	3,40784	3,2691913	3,63406	0,36486867	1,287764395	Olfr1002	
17257042	6,40584	6,557243	6,47982	6,617608	6,892369	7,02813	6,4809677	6,846035667	0,365068	1,287942334	---	
17550424	5,794182	5,829105	5,741864	6,108797	6,301543	6,050151	5,7883837	6,153497	0,36511333	1,287982805	---	
17200493	5,57232	4,936636	6,090664	6,077209	5,262286	6,35603	5,5332067	5,898508333	0,36530167	1,288150953	---	
17208155	3,67415	3,867229	3,482277	3,535062	4,48073	4,103771	3,674552	4,039854333	0,36530233	1,288151548	---	
17208477	5,696266	6,198822	5,163945	6,505331	5,579031	6,070676	5,6863443	6,051679333	0,365335	1,288180716	---	
17200459	5,743618	5,496354	6,310885	6,506615	5,809711	6,330685	5,8502857	6,215670333	0,36538467	1,288225064	---	
17207789	3,87675	4,146888	3,774127	3,719652	4,381765	4,792687	3,9325883	4,298034667	0,36544633	1,288280129	---	
17208523	3,687993	3,739759	4,357312	5,280388	4,271459	3,329718	3,9283547	4,293855	0,36550033	1,28832835	---	
17488325	5,199421	5,039872	5,806298	5,800276	5,492109	5,850198	5,3485303	5,714194333	0,365664	1,288474513	1700049G17Rik	
17201741	5,498327	5,189855	5,543522	5,678371	6,19966	5,450749	5,410568	5,77626	0,365692	1,28849952	---	
17201917	5,498327	5,189855	5,543522	5,678371	6,19966	5,450749	5,410568	5,77626	0,365692	1,28849952	---	
17430103	4,532952	4,547736	4,751882	4,816342	4,896788	5,217001	4,6108567	4,976710333	0,36585367	1,288643916	Eif2c4	
17542331	4,218685	4,312971	4,768914	5,320814	4,374191	4,703263	4,4335233	4,799422667	0,36589933	1,288684707	Xlr5c	
17359949	8,467694	7,831973	7,338559	7,660746	8,534712	8,540535	7,8794087	8,245331	0,36592233	1,288705252	---	
17250549	4,339414	4,000333	4,445689	4,361783	4,850784	4,67078	4,261812	4,627782333	0,36597033	1,288748129	Kcnj12	
17209067	5,892759	5,858818	5,640977	6,1925	6,300291	5,997751	5,797518	6,163514	0,365996	1,288771057	---	
17319450	4,185444	4,112525	4,151896	4,449615	4,708517	4,389838	4,149955	4,51599	0,366035	1,288805897	8430426J06Rik	
17203075	6,508693	4,379123	5,66054	6,10157	5,777427	5,767831	5,5161187	5,882276	0,36615733	1,288915186	---	
17204055	8,45336	8,434024	8,350299	9,122766	8,461569	8,752174	8,412561	8,778836333	0,36627533	1,289020612	---	
17452562	5,726305	6,052542	6,022363	6,452699	6,102649	6,344885	5,9337367	6,300077667	0,366341	1,289079285	LOC100503186	
17207427	2,767628	3,380519	3,121509	3,402781	3,702259	3,264428	3,0898853	3,456489333	0,366604	1,289314303	---	
17468524	8,429847	8,61049	8,129395	8,579398	8,703403	8,986853	8,3899107	8,756551333	0,36664067	1,289347072	---	
17203829	4,320276	4,801385	3,496348	4,320276	4,838511	4,559517	4,206003	4,572768	0,366765	1,289458194	---	
17283970	4,016922	4,379895	4,595025	4,740616	4,796187	4,555483	4,330614	4,697428667	0,36681457	1,289502586	Mir409 // Mir409	
17206015	6,503881	5,714961	5,979295	6,386803	6,361086	6,552927	6,0660457	6,433605333	0,36755967	1,29016865	---	
17212174	5,784219	5,342353	5,5938	5,988805	6,239501	5,59502	5,5734573	5,941108667	0,36765133	1,290250628	Il1r2	
17289380	3,162087	3,338089	3,153102	3,7143	3,530647	3,511536	3,2177593	3,585494333	0,367735	1,290325457	---	
17511992	5,831883	5,783677	5,944485	6,179412	5,991641	6,492205	5,8533483	6,221086	0,36773767	1,290327842	Zfp319	
17205739	4,112004	3,437493	3,919525	3,772445	4,024413	4,775836	3,8230073	4,190898	0,36789067	1,29046469	---	
17335312	6,214455	6,512836	6,401982	6,769987	6,867218	6,595945	6,3764243	6,744383333	0,367959	1,290525814	Fance	
17206801	5,966227	6,403729	6,580421	6,721681	6,853662	6,478926	6,3167923	6,684756333	0,367964	1,290530287	---	
17208401	6,687996	6,832622	6,45913	7,123905	7,172714	6,78724	6,659916	7,027953	0,368037	1,290595589	---	
17263154	3,919371	4,315273	4,244974	4,935056	4,225192	4,423498	4,1598727	4,527915333	0,36804267	1,290600658	Olfr331	
17208017	4,189018	3,353922	4,119404	4,38025	4,30548	4,080859	3,887448	4,255529667	0,36808167	1,290635547	---	
17359953	7,674934	8,167527	7,822444	8,557866	8,579398	7,631942	7,8883017	8,256402	0,36810033	1,290652247	---	
17204463	6,136215	6,319336	5,677307	6,220911	6,790361	6,226088	6,044286	6,412453333	0,36816733	1,290712187	---	
17205605	6,269368	6,281609	6,434044	6,960961	6,305084	6,823658	6,3283403	6,696567667	0,36822733	1,290765867	---	
17541567	6,938715	7,044582	6,807293	7,408388	7,410694	7,076265	6,9301967	7,298449	0,36825233	1,290788235	6720401G13Rik	
17448797	8,411603	8,488597	7,885321	8,48256	8,34661	9,061205	8,2618403	8,630125	0,36828467	1,290817164	---	
17378268	4,236959	3,792809	4,22478	4,517276	4,594035	4,248201	4,0848493	4,453170667	0,36832133	1,290849971	---	
17209833	7,274804	6,736987	6,458699	7,431935	6,974923	7,168971	6,8234967	7,191943	0,36844633	1,29096182	---	
17487588	6,372982	6,301161	5,759089	6,318751	6,54621	6,673946	6,1444107	6,512969	0,36855833	1,291062044	Vmn1r129	
17487649	6,372982	6,301161	5,759089	6,318751	6,54621	6,673946	6,1444107	6,512969	0,36855833	1,291062044	Vmn1r129	
17205851	5,166244	5,967329	6,305402	6,213393	6,088365	6,244038	5,8129917	6,181932	0,36894033	1,29140394	---	
17200815	3,208048	2,979704	3,597309	3,788886	3,625071	3,478627	3,261687	3,630861333	0,36917433	1,291613418	---	
17540144	5,155249	4,954378	5,015101	5,480492	5,37208	5,380244	5,041576	5,410938667	0,36936267	1,291782039	Fthl17	
17423121	9,014147	8,853952	8,682495	9,124933	9,178766	9,35591	8,850198	9,219869667	0,36967167	1,292058746	Car8	
17205843	5,479623	5,692198	5,338948	5,844222	6,002262	5,773357	5,5035897	5,873280333	0,36969067	1,292075762	---	
17505505	5,740837	5,546678	5,792575	6,212008	5,924603	6,052567	5,6933633	6,063059333	0,369696	1,292080539	Hydin	
17210355	5,096642	5,664674	5,753145	6,241783	5,22978	6,152577	5,5048203	5,874713333	0,369893	1,292256985	---	
17204067	4,88341	4,091829	4,525654	5,009208	5,034843	4,566641	4,5002977	4,870230667	0,369933	1,292292814	---	
17478225	8,33738	8,299459	8,217925	8,657171	8,918418	8,389021	8,2849213	8,65487	0,36994867	1,292306848	Ldha	
17201403	3,472719	3,153102	3,123178	3,609703	3,518529	3,730631	3,2496663	3,619621	0,36995467	1,292312222	---	
17261936	4,083799	4,464711	4,372211	4,693114	4,781007	4,557106	4,306907	4,677075667	0,37016867	1,29250393	---	
17364218	5,91605	5,662797	5,752604	6,056124	5,96736	6,418495	5,7771503	6,147326333	0,370176	1,292510499	Cpeb3	
17487489	6,96604	7,007321	6,67258	6,861012	7,568537	7,326921	6,8819803	7,252156667	0,37017633	1,292510798	Pvr	
17208393	4,250441	4,488129	4,548195	4,703335	5,022349	4,671862	4,4289217	4,799182	0,37026033	1,292586056	---	
17203279	5,974602	6,790361	6,489531	6,663275	6,328335	7,373779	6,4181647	6,788463	0,37029833	1,292620103	---	
17491535	6,978594	6,191068	5,979512	6,631475	6,58499	7,043643	6,383058	6,753369333	0,37031133	1,29263175	---	
17548500	6,181768	6,007387	6,255355	6,537239	6,548536	6,469965	6,14817	6,51858	0,37041	1,292720157	Gm8564	
17210089	4,672204	5,14817	3,714685	5,171353	4,47243	5,00262	4,5116863	4,882134333	0,370448	1,292754207	---	
17474765	6,265597	5,636896	5,152568	5,964041	6,237967	5,964619	5,6850203	6,055542333	0,370522	1,292820518	Vmn1r135	
17474801	6,265597	5,636896	5,152568	5,964041	6,237967	5,964619	5,6850203	6,055542333	0,370522	1,292820518	Vmn1r135	
17520146	7,810106	6,896406	7,135353	7,663162	7,69541	7,594917	7,2806217	7,651163	0,37054133	1,292837843	Trim43c	
17415544	9,606125	9,307251	9,425204	9,900726	9,786124	9,763499	9,4461933	9,816783	0,37058967	1,292881157	Fggy	
17300686	6,22887	6,348201	6,167253	6,799358	6,557077	6,50028	6,248108	6,618905	0,370797	1,293066973	Nynrin	
17449330	4,629601	4,411007	4,183076	4,779723	4,687107	4,869649	4,4078947	4,778826333	0,37093167	1,293187679	---	
17207111	6,236807	5,970027	6,260352	7,043744	6,565379	5,971373	6,1557287	6,526832	0,37110333	1,293341564	---	
17407338	8,989223	9,145125	8,861023	9,333879	9,394166	9,380787	8,998457	9,369610667	0,37115367	1,293386688	---	
17259078	8,211338	8,60201	7,955169	8,752596	8,63741	8,492168	8,2561723	8,627391333	0,371219	1,293445261	Rnf213	
17421364	3,742213	2,976682	3,027497	3,733004	3,881948	3,245554	3,2487973	3,620168667	0,37137133	1,293581842	Gm13212	
17546131	5,038843	5,118314	5,055638	5,45803	5,638994	5,230595	5,0709317	5,442539667	0,371608	1,293794065	---	
17419483	6,944723	6,998366	6,898747	7,471593	7,227107	7,258833	6,9472787	7,319177667	0,371899	1,294055057	Fgr	
17210837	4,576511	4,221039	4,464676	5,088245	4,937925	4,352046	4,420742	4,792738667	0,37199667	1,294142664	---	
17334097	5,512473	5,308378	5,182552	5,821888	5,645854	5,651653	5,3344677	5,706465	0,37199733	1,294143262	Cldn6	
17257566	3,896465	4,114796	3,744176	4,173962	4,445138	4,252714	3,918479	4,290604667	0,37212567	1,294258387	---	
17257567	3,896465	4,114796	3,744176	4,173962	4,445138	4,252714	3,918479	4,290604667	0,37212567	1,294258387	---	
17202957	7,83724	7,641607	8,443725	8,768807	8,27312	7,997303	7,9741907	8,34641	0,37221933	1,294342419	---	
17262887	9,484486	9,606034	9,347445	9,757835	9,975883	9,820924	9,4793217	9,851547333	0,37222567	1,294348101	Anxa6	
17202741	4,086861	5,339374	5,254407	5,477475	5,021408	5,29911	4,8935473	5,265997667	0,37245033	1,294549682	---	
17201525	3,422997	3,19657	3,317577	4,122995	3,491151	3,44036	3,3123813	3,684835333	0,372454	1,294552972	---	
17459074	4,407874	4,388844	4,049276	4,73973	4,541963	4,682065	4,281998	4,654586	0,372588	1,294673218	---	
17288081	6,088017	6,178076	5,961986	6,653027	6,567319	6,125709	6,0760263	6,448685	0,37265867	1,294736635	2010111I01Rik	
17209103	7,284744	7,466988	7,287944	7,790224	7,390986	7,977251	7,3465587	7,719487	0,37292833	1,294978668	---	
17529617	4,882287	4,867876	4,732753	5,217036	5,289344	5,095477	4,8276387	5,200619	0,37298033	1,295025345	Trim43b	
17363125	3,064373	2,994478	3,064662	3,3067	3,630739	3,305108	3,041171	3,414182333	0,37301133	1,295053172	Olfr1446	
17466833	4,214569	4,046365	4,313229	4,246999	4,817556	4,629058	4,1913877	4,564537667	0,37315	1,295177654	Hoxa5	
17209617	3,701838	3,363965	3,651765	4,119931	3,623755	4,093438	3,5725227	3,945708	0,37318533	1,295209375	---	
17437049	5,368061	5,423139	5,186432	5,677993	5,709299	5,71039	5,3258773	5,699227333	0,37335	1,295357216	Msx1 // Msx1	
17550428	6,783425	6,953832	6,945648	7,431637	7,031584	7,340048	6,8943017	7,267756333	0,37345467	1,295451197	---	
17300153	6,981793	6,327424	7,036649	7,218957	6,918457	7,328981	6,7819553	7,155465	0,37350967	1,295500585	---	
17206491	9,725757	9,820518	10,09805	10,18782	10,20581	10,37252	9,8814417	10,25538333	0,37394167	1,295888567	---	
17462366	6,370811	5,760697	5,987995	6,42747	6,246063	6,568614	6,0398343	6,414049	0,37421467	1,29613381	---	
17439544	3,62904	3,748453	4,253266	4,074152	4,386652	4,294937	3,8769197	4,251913667	0,374994	1,296834161	---	
17336955	7,784778	7,866383	6,600237	8,039952	7,807495	7,52895	7,4171327	7,792132333	0,37499967	1,296839255	---	
17207939	4,683231	4,779459	4,613206	5,38033	5,10109	4,719783	4,6919653	5,067067667	0,37510233	1,296931545	---	
17301489	4,655774	4,442178	4,487722	4,883998	4,873868	4,953599	4,528558	4,903821667	0,37526367	1,297076586	Stmn4	
17474016	4,951168	4,56807	4,846413	5,257732	5,325374	4,908461	4,7885503	5,163855667	0,37530533	1,297114048	Zfp541	
17291233	3,549153	4,411937	4,09207	4,643028	4,584088	3,952019	4,01772	4,393045	0,375325	1,29713173	Hist1h3a // Hist1h3i // Hist1h3h // Hist1h	
17249787	6,58723	6,635192	6,250593	6,584722	6,924888	7,090028	6,491005	6,866546	0,375541	1,297325951	Gpx3	
17344855	5,71234	5,021569	4,536167	5,586215	5,142491	5,669136	5,0900253	5,465947333	0,375922	1,297668606	Olfr98	
17425609	6,070374	5,460535	5,54467	5,73164	6,154843	6,316914	5,6918597	6,067799	0,37593933	1,297684197	D630039A03Rik	
17352850	5,149198	5,409458	5,437277	5,636901	5,832639	5,654873	5,3319777	5,708137667	0,37616	1,297882699	Kctd1	
17222070	6,551796	6,80104	6,732677	6,976263	7,132282	7,105766	6,695171	7,071437	0,376266	1,297978062	Mir5103	
17278773	7,052095	6,824232	6,965881	7,364374	7,548991	7,057916	6,9474027	7,323760333	0,37635767	1,298060537	---	
17550216	4,590549	4,087021	4,156798	4,716526	4,676686	4,570503	4,2781227	4,654571667	0,376449	1,298142716	---	
17534843	5,986922	5,183173	4,785448	5,911992	5,310273	5,862785	5,3185143	5,695016667	0,37650233	1,298190706	Gm14625	
17409099	9,828386	9,541765	9,66419	9,986509	9,982918	10,19477	9,6781137	10,05473233	0,37661867	1,298295392	Gstm7	
17202111	6,531957	6,329951	6,040574	7,349379	5,727949	6,956055	6,3008273	6,677794333	0,376967	1,298608898	---	
17367893	6,37459	5,959481	6,600907	6,839488	6,467022	6,760631	6,3116593	6,689047	0,37738767	1,298987607	---	
17532584	5,33092	5,708396	5,248145	5,760211	5,929595	5,730012	5,4291537	5,806606	0,37745233	1,299045833	LOC671650	
17205855	7,545379	7,943295	7,405883	8,456745	7,896236	7,673989	7,631519	8,00899	0,377471	1,299062642	---	
17203337	4,561373	4,680068	4,363342	4,768809	4,910911	5,05768	4,5349277	4,912466667	0,377539	1,299123873	---	
17208579	6,352763	6,343957	6,226228	6,839701	6,456001	6,76063	6,3076493	6,6854444	0,37779467	1,299354117	---	
17438318	4,253039	3,535062	3,270892	4,072668	3,783877	4,3365	3,686331	4,064348333	0,37801733	1,299554676	---	
17202219	7,914017	8,137102	7,361994	7,80326	8,507942	8,236311	7,804371	8,182504333	0,37813333	1,299659171	---	
17279499	8,445054	8,430326	8,115685	8,516332	8,721321	8,888006	8,330355	8,708553	0,378198	1,299717428	Crip2	
17474736	6,523122	5,937926	5,377459	6,205429	6,545284	6,222843	5,946169	6,324518667	0,37834967	1,299854071	Vmn1r107	
17474795	6,523122	5,937926	5,377459	6,205429	6,545284	6,222843	5,946169	6,324518667	0,37834967	1,299854071	Vmn1r107	
17238918	6,715148	7,183438	6,532869	7,254691	7,315892	6,996484	6,810485	7,189022333	0,37853733	1,300023167	Syne1	
17430906	6,423596	6,906427	6,137979	6,924648	6,795901	6,883254	6,489334	6,867934333	0,37860033	1,300079938	BC013712	
17210339	7,545591	7,003338	6,667552	7,515401	7,259029	7,579543	7,0721603	7,451324333	0,379164	1,300587984	---	
17435474	8,331907	7,991363	8,135414	8,376884	8,781099	8,438704	8,1528947	8,532229	0,37933433	1,300741548	Galnt11	
17324772	5,662961	4,324742	4,165848	4,547413	5,828624	4,915948	4,7178503	5,097328333	0,379478	1,300871085	---	
17204509	3,451876	2,921126	3,318185	3,71352	3,431719	3,686265	3,2303957	3,610501333	0,38010567	1,301437173	---	
17547980	6,183376	5,660101	5,547674	6,145279	6,43941	5,946798	5,7970503	6,177162333	0,380112	1,301442886	Olfr177 // Olfr177	
17234896	4,833819	4,97679	5,242902	5,131386	5,659328	5,403665	5,017837	5,398126333	0,38028933	1,301602866	BB319198	
17209985	5,009398	4,891965	4,613826	5,415793	5,57951	4,661596	4,8383963	5,218966333	0,38057	1,301856109	---	
17214979	3,800267	3,384455	3,970668	4,401825	3,927758	3,967546	3,7184633	4,099043	0,38057967	1,301864832	Sp100	
17492509	5,707689	5,440823	5,815754	6,037107	6,186549	5,8828	5,6547553	6,035485333	0,38073	1,302000498	Rccd1	
17209907	6,112678	6,810965	7,110253	7,371469	7,016046	6,788783	6,6779653	7,058766	0,38080067	1,302064274	---	

17203163	5,538309	5,727323	5,435662	5,587687	6,722432	5,533587	5,567098	5,947902	0,380804	1,302067283	---	
17457962	4,31143	4,008531	4,494092	4,746024	4,653448	4,557396	4,271351	4,652289333	0,38093833	1,302188528	Tas2r135	
17448771	9,526216	9,768771	9,714855	9,731072	10,21718	10,2046	9,6699473	10,05095067	0,38100333	1,302247198	---	
17202147	3,228691	3,577993	3,837393	4,473701	4,032078	3,28193	3,5480257	3,929236333	0,38121067	1,302434361	---	
17210801	5,67878	5,906772	5,721861	6,366814	6,055538	6,028714	5,7691377	6,150355333	0,38121767	1,302440681	---	
17207223	7,323402	6,686935	6,557745	7,343603	7,48473	6,88352	6,8560273	7,237284333	0,381257	1,30247619	---	
17284948	4,090187	3,789844	3,799481	4,259465	4,313177	4,251198	3,8931707	4,274613333	0,38144267	1,302643823	Akr1c19	
17204093	4,455942	4,522925	3,591946	5,522504	3,797361	4,395866	4,190271	4,571910333	0,38163933	1,30282141	---	
17205181	3,511366	3,599511	4,224489	4,004054	4,247581	4,22941	3,7784553	4,160348333	0,381893	1,303050503	---	
17209371	3,511366	3,599511	4,224489	4,004054	4,247581	4,22941	3,7784553	4,160348333	0,381893	1,303050503	---	
17372761	3,699	3,737434	4,022563	4,080585	4,080585	4,444213	3,8196657	4,201794333	0,38212867	1,303263376	Olfr1015	
17433942	4,255812	5,618896	4,269126	5,394481	4,916483	4,979933	4,7146113	5,096965667	0,38235433	1,303467248	---	
17205497	5,559136	5,366127	5,083465	5,67171	5,366966	6,11769	5,3362427	5,718788667	0,382546	1,30364043	---	
17252906	6,036006	6,455119	6,032069	6,402679	6,528072	6,740125	6,174398	6,556958667	0,38256067	1,303653683	2210403K04Rik	
17359927	10,06432	10,49613	10,26642	10,62588	10,68725	10,6618	10,275623	10,65831	0,38268667	1,303767544	---	
17219479	9,32254	9,198498	8,902441	9,242035	9,820745	9,509488	9,1411597	9,524089333	0,38292967	1,303987163	---	
17344140	8,532722	8,732423	9,060025	9,368099	8,832676	9,273283	8,7750567	9,158019333	0,38296267	1,30401699	D17H6S56E-5	
17202435	4,16049	3,651847	3,977858	3,613371	4,765706	4,560779	3,930065	4,313285333	0,38322033	1,30424991	---	
17203037	5,36541	5,276218	5,553182	6,61149	5,297697	5,435662	5,39827	5,781616333	0,38334633	1,304363823	---	
17387426	5,169563	5,28636	4,589757	5,168457	5,515547	5,513118	5,0152267	5,399040667	0,383814	1,304786717	Gm13710 // Gm13710	
17205069	4,688607	4,320974	4,269541	5,030229	5,047303	4,353435	4,426374	4,810322333	0,38394833	1,304908215	---	
17209259	4,688607	4,320974	4,269541	5,030229	5,047303	4,353435	4,426374	4,810322333	0,38394833	1,304908215	---	
17517349	4,393616	4,496848	4,618292	4,725944	5,109336	4,825624	4,5029187	4,886968	0,38404933	1,304999572	Slc35f2	
17458486	3,78498	3,934234	4,180954	4,448234	4,306428	4,29788	3,9667227	4,350847333	0,38412467	1,305067717	Stk31	
17205905	4,35491	4,792284	4,755994	5,373001	4,900604	4,78221	4,634396	5,018605	0,384209	1,305144007	---	
17200545	3,558602	3,796044	4,981357	4,924676	4,679472	3,884564	4,112001	4,496237333	0,38423633	1,305168735	---	
17225080	7,339191	7,506349	6,773479	7,648349	7,543886	7,579895	7,2063397	7,59071	0,38437033	1,305289967	Gm7609	
17342943	5,572232	5,82742	6,148893	6,163988	6,167153	6,370673	5,849515	6,233938	0,384423	1,305337618	4930539E08Rik	
17494394	5,617414	5,932261	5,61631	6,415992	5,891454	6,011957	5,721995	6,106467667	0,38447267	1,305382557	Trim30a	
17538790	9,191936	9,818085	9,457767	9,879617	9,813014	9,928797	9,4892627	9,873809333	0,38454667	1,305449516	---	
17381587	5,529189	5,521134	5,82786	6,181797	5,887101	5,96332	5,626061	6,010739333	0,38467833	1,305568662	---	
17472443	4,776849	4,534045	4,406376	4,892066	4,866128	5,113147	4,5724233	4,957113667	0,38469033	1,305579521	Slco1a5	
17395382	7,07874	7,852098	7,471163	8,072953	7,525925	7,957711	7,4673337	7,852196333	0,38486267	1,305735485	2210418O10Rik // 2210418O10Rik	
17257642	7,970544	7,690326	7,903041	8,373972	8,218437	8,127172	7,854637	8,239860333	0,38522333	1,306061954	1810010H24Rik	
17263005	6,216431	7,119908	6,553272	7,183438	6,708203	7,154547	6,6298703	7,015396	0,38552567	1,306335683	---	
17498239	7,151334	6,899109	7,261123	7,600467	7,498993	7,369322	7,1038553	7,489594	0,38573867	1,306528565	Kcnq1ot1	
17209603	8,840322	8,809705	8,555721	9,211535	9,051658	9,100719	8,7352493	9,121304	0,38605467	1,306814771	---	
17392022	5,622672	5,238056	5,464151	5,694462	5,93673	5,85205	5,4416263	5,827747333	0,386121	1,306874858	---	
17205757	5,867156	6,463669	6,025199	6,583949	6,694818	6,236044	6,1186747	6,504937	0,38626233	1,307002892	---	
17274775	7,445695	7,748199	7,350751	7,797997	8,092298	7,813754	7,5148817	7,901349667	0,386468	1,307189228	Lamb1	
17205025	4,346892	3,90834	3,948959	4,342303	4,78793	4,233497	4,0680637	4,454576667	0,386513	1,307230002	---	
17209215	4,346892	3,90834	3,948959	4,342303	4,78793	4,233497	4,0680637	4,454576667	0,386513	1,307230002	---	
17202273	5,598477	5,973488	6,302344	6,645321	6,391923	5,996764	5,958103	6,344669333	0,38656633	1,307278328	---	
17278822	6,0146	6,109662	5,936157	6,445802	6,555133	6,219439	6,0201397	6,406791333	0,38665167	1,307355654	Mir679	
17446992	4,496454	3,548317	3,510314	4,1754	4,331376	4,20837	3,851695	4,238382	0,386687	1,307387673	---	
17340411	6,642465	6,836588	6,618564	6,932064	7,07434	7,251822	6,6992057	7,086075333	0,38686967	1,307553219	2700099C18Rik	
17204515	3,717682	3,008111	3,763235	4,183252	3,558839	3,907896	3,4963427	3,883329	0,38698633	1,307658961	---	
17205759	5,36541	6,226307	6,120959	6,388975	5,598711	6,887078	5,9042253	6,291588	0,38736267	1,308000114	---	
17459291	7,085093	6,720857	6,326366	7,315286	6,56859	7,410797	6,710772	7,098224333	0,38745233	1,308081412	---	
17206793	4,221339	3,603549	4,480518	4,567018	4,718675	4,182125	4,101802	4,489272667	0,38747067	1,308098034	---	
17203763	4,336685	5,376223	4,835696	4,956655	5,472272	5,282101	4,8495347	5,237009333	0,38747467	1,308101661	---	
17504472	4,686829	4,67508	4,704797	5,089878	5,103007	5,03656	4,688902	5,076481667	0,38757967	1,308196869	---	
17205721	6,088778	5,90537	5,388425	6,259255	5,720691	6,565917	5,794191	6,181954333	0,38776333	1,308363424	---	
17200253	7,290162	6,57725	7,422319	7,658969	7,417044	7,377329	7,096577	7,484447333	0,38787033	1,308460464	---	
17201543	6,632319	6,524862	6,82071	6,921447	7,331336	6,888956	6,659297	7,047246333	0,38794933	1,308532116	---	
17483925	5,066663	5,341224	4,718199	4,56577	5,854624	5,869541	5,0420287	5,429978333	0,38794967	1,308532418	Dmbt1	
17407524	4,24844	4,444802	4,454782	4,707655	4,709227	4,895067	4,3826747	4,770649667	0,387975	1,308555396	Gm9125	
17459415	9,879617	9,866192	9,522951	10,17614	10,01009	10,2474	9,7562533	10,14454333	0,38829	1,308841139	Igk-V28 // Igk-V28	
17224682	4,323868	4,105729	4,205629	5,025416	4,190812	4,584793	4,211742	4,600340333	0,38859833	1,309120895	---	
17534791	5,618533	4,05971	4,145603	5,208968	4,685738	5,096324	4,6079487	4,99701	0,38906133	1,309541094	Gm16405	
17471011	4,344424	4,178457	3,782744	4,504635	4,567255	4,403156	4,101875	4,491682	0,389807	1,310218115	LOC100048117 // LOC100042025 // Gap	
17538820	6,917135	6,925071	6,213194	6,679787	7,488015	7,057325	6,6851333	7,075042333	0,389909	1,310310752	---	
17486665	5,985226	5,695772	5,2073	5,408053	6,200573	6,449612	5,6294327	6,019412667	0,38998	1,310375238	Sult2a1	
17527678	8,859947	8,880796	8,583024	9,278279	9,141576	9,074217	8,774589	9,164690667	0,39010167	1,31048575	Pml	
17243344	6,052663	5,753433	6,029921	6,330103	6,483579	6,192846	5,945339	6,335509333	0,39017033	1,310548126	Celf5	
17281922	8,111671	8,591915	8,060312	8,614928	8,427094	8,893005	8,2546327	8,645009	0,39037633	1,31073527	---	
17265818	4,650594	4,297853	4,187325	4,917411	4,963793	4,426415	4,3785907	4,769206333	0,39061567	1,31095273	Olfr410	
17414964	3,485394	3,425919	3,539312	3,782645	4,282178	3,557833	3,4835417	3,874218667	0,390677	1,311008464	---	
17200547	4,376991	4,274046	4,102156	4,702408	4,794734	4,429018	4,2510643	4,642053333	0,390989	1,311292016	---	
17538761	10,07974	10,33839	9,974446	10,61886	10,33448	10,6125	10,130859	10,52194667	0,391088	1,311382002	---	
17205793	5,271567	5,335373	5,523801	5,354731	5,634118	6,315167	5,3769137	5,768005333	0,39109167	1,311385335	---	
17439207	4,521193	4,335302	4,555995	5,058567	4,937738	4,590249	4,47083	4,862184667	0,39135467	1,311624419	---	
17208325	6,157671	5,717594	6,755664	6,29595	6,956309	6,553037	6,2103097	6,601765333	0,39145567	1,311716247	---	
17550426	8,3984	8,671675	8,605735	9,234483	8,841592	8,774118	8,5586033	8,950064333	0,391461	1,311721096	---	
17203305	4,516698	3,451002	3,437808	4,676642	3,728581	4,175081	3,801836	4,193434667	0,39159867	1,31184627	---	
17467389	5,172298	5,475239	4,984447	5,815949	5,248683	5,742166	5,2106613	5,602266	0,39160467	1,311851726	---	
17208299	3,129375	3,221899	3,249409	3,490619	3,596883	3,688061	3,2002277	3,591854333	0,39162667	1,311871731	---	
17206889	3,565312	5,31408	4,11865	5,164358	4,750937	4,257628	4,3326807	4,724307667	0,391627	1,311872034	---	
17494033	4,311915	4,072573	4,552562	4,677047	4,906508	4,528409	4,31235	4,703988	0,391638	1,311882037	Chrna10	
17208859	2,868234	3,027759	2,754199	3,427717	2,976899	3,420638	2,8833973	3,275084667	0,39168733	1,311926898	---	
17204557	4,22069	4,899622	4,375532	5,20477	4,461843	5,004361	4,4986147	4,890324667	0,39171	1,31194751	---	
17207617	5,937536	6,144122	6,816641	6,489019	6,825633	6,759308	6,299433	6,69132	0,391887	1,312108479	---	
17405405	3,80964	3,497	3,492214	4,089443	3,900307	3,985011	3,599618	3,991587	0,391969	1,312183059	---	
17340495	5,54766	5,390033	5,494987	6,035211	5,536415	6,037206	5,47756	5,869610667	0,39205067	1,31225734	Gm8363	
17535545	3,83446	4,323027	4,153881	4,517087	4,560773	4,410157	4,1037893	4,496005667	0,39221633	1,312408037	Zfp92	
17204869	5,00553	4,630633	4,405149	4,855717	5,421362	4,941092	4,6804373	5,072723667	0,39228633	1,312471717	---	
17283859	5,786595	5,692568	6,043777	6,313943	6,163064	6,223271	5,84098	6,233426	0,392446	1,312616979	---	
17229259	8,596661	8,667199	8,608778	8,963133	9,154843	8,932024	8,6242127	9,016666667	0,392454	1,312624258	Mpzl1	
17204027	2,708583	2,902904	3,313837	2,939525	4,155469	3,007699	2,975108	3,367564333	0,39245633	1,312626381	---	
17207485	5,845683	5,886757	6,108858	7,035585	6,328336	5,654786	5,9470993	6,339569	0,39246967	1,312638512	---	
17205317	3,311423	4,285161	4,223293	4,243634	4,619737	4,134957	3,939959	4,332776	0,392817	1,312954572	---	
17208623	5,937809	6,510634	5,961391	6,779272	5,871101	6,938214	6,1366113	6,529529	0,39291767	1,313046189	---	
17206237	2,491978	2,514424	2,703882	2,674052	3,309126	2,906405	2,5700947	2,963194333	0,39309967	1,313211844	---	
17301055	5,535262	5,683182	5,663481	6,188338	6,146036	5,727098	5,6273083	6,020490667	0,39318233	1,313287093	C1qtnf9	
17359516	7,856218	7,513544	7,759406	8,380995	7,953598	7,974455	7,7097227	8,103016	0,39329333	1,313388141	4933411K16Rik	
17326936	4,434589	4,045267	3,935413	4,433898	4,484857	4,67678	4,138423	4,531845	0,393422	1,31350528	---	
17200067	6,723514	6,493436	6,175599	7,241379	6,852465	6,479012	6,464183	6,857618667	0,39343567	1,313517723	---	
17526273	5,306078	6,003171	5,75885	6,218616	6,073835	5,956252	5,6893663	6,082901	0,39353467	1,313607862	---	
17203101	6,977304	6,294064	6,45008	7,150219	6,555829	7,196239	6,573816	6,967429	0,393613	1,313679188	---	
17359604	3,411213	3,359617	3,294887	3,596541	4,065558	3,584587	3,355239	3,748895333	0,39365633	1,313718647	---	
17343679	3,013357	2,713714	3,480021	3,801274	3,193034	3,393883	3,0690307	3,462730333	0,39369967	1,313758107	---	
17289392	5,544873	5,283998	5,357501	5,756332	5,908716	5,702959	5,3954573	5,789335667	0,39387833	1,313920816	Rps18	
17279295	4,607673	4,42473	4,666201	4,745232	5,112442	5,02427	4,5662013	4,960648	0,39444667	1,314438522	Mir3073	
17203457	2,98577	3,289966	3,303828	3,933375	3,162462	3,667143	3,193188	3,58766	0,394472	1,314461603	---	
17321513	4,997853	4,778667	4,826135	5,131656	5,360435	5,294094	4,8675517	5,262061667	0,39451	1,314496226	Fam186b	
17204801	7,303291	6,492154	7,132275	7,518548	7,38463	7,208201	6,9759067	7,370459667	0,394553	1,314535406	---	
17205077	4,260891	3,553676	3,824452	4,5141	4,305978	4,002651	3,879673	4,274243	0,39457	1,314550896	---	
17209267	4,260891	3,553676	3,824452	4,5141	4,305978	4,002651	3,879673	4,274243	0,39457	1,314550896	---	
17471941	4,456206	4,654077	5,001981	4,839541	5,425305	5,031187	4,704088	5,098677667	0,39458967	1,314568816	Gm5154	
17531977	4,708167	4,5178	4,852757	5,098068	4,970546	5,193919	4,692908	5,087511	0,394603	1,314580965	Stmn1-rs1	
17318245	5,628039	5,760018	5,812714	6,118013	6,151211	6,115722	5,7335903	6,128315333	0,394725	1,314692136	2410075B13Rik	
17203453	3,201708	3,345016	3,500299	3,674556	3,784273	3,772876	3,3490077	3,743901667	0,394894	1,31484615	---	
17202613	6,395927	6,493515	6,756282	6,667673	7,671649	6,492528	6,5485747	6,94395	0,39537533	1,315284902	---	
17487556	6,350229	6,307021	5,462013	6,251774	6,366037	6,688683	6,0397543	6,435498	0,39574367	1,315620749	Vmn1r118	
17516251	4,108104	4,168025	4,334723	4,776746	4,452512	4,568964	4,2036173	4,599407333	0,39579	1,315663002	---	
17200857	4,273554	3,939095	4,243991	4,563034	4,624131	4,457253	4,1522133	4,548139333	0,395926	1,315787033	---	
17523646	7,109934	7,198543	6,836812	7,11649	7,550212	7,666982	7,0484297	7,444561333	0,39613167	1,315974621	Ccr3	
17210255	4,053778	4,172421	4,054871	4,82529	4,605599	4,038586	4,09369	4,489825	0,396135	1,315977662	---	
17357947	6,588203	6,613054	6,704106	6,950325	6,885728	7,257913	6,635121	7,031322	0,396201	1,316037866	Olfr1502	
17240399	4,425011	4,288139	4,865847	4,877283	5,018253	4,872653	4,5263323	4,922729667	0,39639733	1,316216975	---	
17202907	7,680648	8,009846	7,779315	8,502714	8,107767	8,048817	7,8232697	8,219766	0,39649633	1,316307299	---	
17210727	4,651783	4,173918	4,658281	4,75289	5,132945	4,7884	4,4946607	4,891411667	0,396751	1,316539676	---	
17202759	3,351729	3,438098	3,046546	3,270892	3,356898	4,399902	3,278791	3,675897333	0,39710633	1,316863977	---	
17205489	5,387648	5,559702	5,909948	6,027235	5,715154	6,306324	5,6190993	6,016237667	0,39713833	1,316893187	---	
17207723	5,131745	6,242643	6,276593	6,651036	6,461082	5,730316	5,8836603	6,280811333	0,397151	1,316904749	---	
17310637	9,220313	9,092931	8,87928	9,502996	9,486792	9,394612	9,0641747	9,461466667	0,397292	1,317033461	Fam134b	
17207273	5,970809	5,951092	5,980421	6,139268	6,877814	6,077267	5,9674407	6,364783	0,39734233	1,317079411	---	
17284373	4,950048	4,391364	4,793841	5,369569	4,786075	5,171724	4,711751	5,109122667	0,39737167	1,317106191	---	
17487545	5,244718	5,117957	4,924833	5,496899	5,422195	5,561112	5,095836	5,493402	0,397566	1,317283619	Gm4567 // Gm4567 // Gm4567 // Gm45	
17340041	3,417297	3,508277	3,641254	3,719423	3,894487	4,145995	3,522276	3,919968333	0,39769233	1,317398976	---	
17209145	5,520794	5,690681	5,283387	6,098368	6,180786	5,408837	5,4982873	5,895997	0,39770967	1,317414804	---	
17548748	4,804336	4,372235	4,982768	5,056931	5,372438	4,923726	4,7197797	5,117698333	0,39791867	1,317605668	---	
17351141	5,23158	5,639234	4,654189	5,543978	5,748032	5,428843	5,175001	5,573617667	0,39861667	1,318243302	1500015A07Rik	
17250178	6,297448	6,294007	6,438489	6,586353	6,529452	7,110053	6,3433147	6,741952667	0,398638	1,318262795	Hist3h2a	

17204651	5,600268	5,751372	5,3126	5,465931	6,3386	6,055727	5,5547467	5,953419333	0,39867267	1,318294472	---
17538763	4,659667	2,906405	3,446679	4,943341	4,112525	3,153102	3,670917	4,069656	0,398739	1,318355087	---
17200893	5,607285	5,317695	4,052942	5,162142	5,122787	5,889826	4,9926407	5,391585	0,39894433	1,318542737	---
17227764	8,732761	8,459045	8,412394	8,873017	8,961796	8,966328	8,5347333	8,933713667	0,39898033	1,31857564	Rgs2
17206805	4,213777	4,75355	5,086689	5,137202	5,088203	5,025768	4,684672	5,083724333	0,39905233	1,318641447	---
17206475	7,462321	6,983761	7,607906	7,586161	7,619677	8,045382	7,3513293	7,750406667	0,39907733	1,318664297	---
17538819	9,44437	9,903664	9,768771	10,18325	10,12974	10,00238	9,7056017	10,10512333	0,39952167	1,319070493	---
17202959	4,800975	6,208033	5,438261	6,214793	5,621421	5,809718	5,482423	5,881977333	0,39955433	1,319100361	---
17205963	3,654135	3,991684	4,208933	3,614767	4,227704	5,211098	3,951584	4,351189667	0,39960567	1,319147298	---
17316371	3,900382	3,152218	3,906782	3,788738	4,553351	3,816337	3,6531273	4,052808667	0,39968133	1,319216486	---
17550040	3,900382	3,152218	3,906782	3,788738	4,553351	3,816337	3,6531273	4,052808667	0,39968133	1,319216486	---
17535171	7,70063	7,939709	7,303266	7,88206	8,046909	8,213779	7,6478683	8,047582667	0,39971433	1,319246662	---
17200549	4,702867	5,426301	4,690785	5,591524	5,297982	5,129747	4,9399843	5,339751	0,39976667	1,319294518	---
17278856	5,122587	5,296159	5,291331	5,547099	5,702032	5,660307	5,2366923	5,636479333	0,399787	1,319313113	Mir668
17202029	3,940521	4,233579	4,403306	4,110214	4,471024	5,196111	4,1924687	4,592449667	0,399981	1,319490533	---
17202703	3,951292	6,012265	4,710304	5,565799	5,484447	4,824227	4,891287	5,291491	0,400204	1,319694505	---
17307066	7,66387	7,715107	7,993854	8,398849	8,239305	7,935606	7,7909437	8,191253333	0,40030967	1,319791166	---
17218465	6,646182	7,302945	6,987101	7,595723	7,127981	7,414404	6,9787427	7,379369333	0,40062667	1,320081193	BC026585
17205579	2,821051	2,782334	2,825565	3,025301	3,053003	3,553077	2,80965	3,210460333	0,40081033	1,320249261	---
17378322	3,453524	5,900469	3,788274	4,523136	3,406698	6,415411	4,3807557	4,781748333	0,40099267	1,320416129	---
17305567	3,70137	3,421755	3,670083	4,191046	3,928572	3,876626	3,597736	3,998748	0,401012	1,320433824	---
17428880	7,367969	6,998366	6,748485	7,290219	7,747221	7,280973	7,0382733	7,439471	0,40119767	1,320603767	---
17209819	5,236181	4,78982	4,536332	5,600573	4,818293	5,347669	4,854111	5,255511667	0,40140067	1,320789601	---
17200213	5,888126	4,914347	5,473394	5,552019	5,893351	6,034998	5,425289	5,826789333	0,40150033	1,320880849	---
17210173	5,086276	5,225445	5,536255	5,944207	5,321862	5,788596	5,2826587	5,684888333	0,40222967	1,32154877	---
17207347	4,531102	4,047013	4,379505	4,246467	4,989152	4,9287	4,3192067	4,721439667	0,402233	1,321551823	---
17210579	3,411446	4,210338	3,395949	3,637904	4,485587	4,101951	3,6725777	4,075147333	0,40256967	1,321860256	---
17442526	6,024294	6,971139	6,68002	6,98008	6,930289	6,973682	6,5584843	6,961350333	0,402866	1,322131798	Tmed2
17331272	5,42427	5,153169	5,476198	5,941231	5,764864	5,556357	5,3512123	5,754150667	0,40293833	1,322198088	Olfr205
17227780	4,622233	4,591393	4,794001	5,569017	4,95682	4,691022	4,669209	5,072286333	0,40307733	1,322325484	Rgs1
17340953	9,076345	8,737216	8,594813	9,027542	9,336929	9,253169	8,8027913	9,20588	0,40308867	1,322335872	Acat3
17203021	5,818394	6,56152	6,227296	6,879184	6,629273	6,308461	6,2024033	6,605639333	0,403236	1,322470921	---
17204107	4,651166	4,74217	4,099985	5,040475	5,020308	4,642284	4,4977737	4,901022333	0,40324867	1,322482532	---
17366746	3,20712	4,212696	3,152873	4,319071	3,775298	3,688753	3,5242297	3,927707333	0,40347767	1,322692467	Mir669k
17206503	8,8415	8,884011	9,197569	9,340203	9,299137	9,494322	8,97436	9,377887333	0,40352733	1,322738003	---
17398366	4,958593	5,479248	5,199577	5,543337	5,793134	5,511795	5,2124727	5,616088667	0,403616	1,3228193	---
17445303	4,797991	5,295787	4,309276	5,028033	5,401244	5,184809	4,801018	5,204695333	0,40367733	1,322875538	Mterf
17274352	7,173998	6,536737	6,895173	6,819514	7,412332	7,585209	6,868636	7,272351667	0,40371567	1,322910689	Gm9292
17208911	3,201809	3,0876	3,237847	4,197328	3,181766	3,360419	3,175752	3,579837667	0,40408567	1,323250012	---
17205553	4,418307	5,196066	4,457104	5,498907	5,097692	4,688013	4,6904923	5,094870667	0,40437833	1,323518475	---
17340654	5,922758	6,094841	6,029636	6,363065	6,583542	6,313854	6,015745	6,420153667	0,40440867	1,323546303	Ttll2
17209661	4,914895	5,527101	4,863659	5,302215	5,35403	5,863348	5,101885	5,506531	0,404646	1,323764053	---
17202507	8,170136	8,003426	8,082265	8,739854	8,189109	8,541257	8,0852757	8,490073333	0,40479767	1,323903224	---
17206713	6,472812	6,716373	6,272753	7,025086	7,137241	6,51403	6,4873127	6,892119	0,40480633	1,323911177	---
17400808	6,160559	6,48834	5,703621	5,976428	6,874716	6,715809	6,1175067	6,522317667	0,404811	1,32391546	---
17206489	8,253539	8,22083	8,617186	8,813606	8,454413	9,038024	8,3638517	8,768681	0,40482933	1,323932284	---
17481307	5,89757	6,482036	5,459656	6,536938	6,153976	6,364367	5,9464207	6,351760333	0,40533967	1,324400689	Trim12c // Trim12c
17209871	4,014452	3,937101	3,856425	4,195729	4,481005	4,347315	3,9359927	4,341349667	0,405357	1,324416601	---
17201473	4,996494	3,694432	4,398434	4,901881	4,488059	4,915751	4,36312	4,768563667	0,40544367	1,324496165	---
17233860	5,530529	5,709298	5,287581	5,837366	5,957722	5,948653	5,509136	5,914580333	0,40544433	1,324496777	Pbld2
17210303	6,884568	6,279135	6,675839	6,793392	7,489986	6,772716	6,6131807	7,018698	0,40551733	1,324563798	---
17202555	4,103809	5,126034	4,446163	4,731928	4,557523	5,603126	4,5586687	4,964192333	0,40552367	1,324569613	---
17208691	5,280066	5,466102	5,126557	5,59635	5,317298	6,175779	5,2909083	5,696475667	0,40556733	1,324609705	---
17384455	8,272734	8,004543	8,528325	9,00446	8,613167	8,405229	8,268534	8,674285333	0,40575133	1,324778655	---
17438272	7,78076	7,712103	7,975441	8,211176	8,435863	8,039261	7,822768	8,228766667	0,40599867	1,325005792	Kit
17389271	4,05713	3,995669	3,619932	4,34254	4,098191	4,452308	3,8909103	4,297679667	0,40676933	1,32571378	Olfr1286
17207619	5,247605	5,10938	5,286747	5,970734	5,755134	5,138267	5,2145773	5,621378333	0,406801	1,32574288	---
17200015	4,833162	5,697352	4,967568	5,685337	5,397324	5,636102	5,1660273	5,572921	0,40689367	1,325828037	---
17286568	5,845365	5,561081	5,822304	6,249252	6,419809	5,780759	5,7429167	6,14994	0,40702333	1,325947205	Ppp1r3g
17359932	7,674934	8,390979	8,314493	8,464294	8,002937	9,135337	8,126802	8,534189333	0,40738733	1,326281791	---
17393575	6,162599	6,385408	6,329	6,595871	6,81987	6,683484	6,2923357	6,699741667	0,407406	1,326298952	---
17278882	3,852361	4,430411	4,454884	4,881061	4,717971	4,361168	4,2458853	4,6534	0,40751467	1,326398855	Mir377
17504002	8,728383	8,421721	8,7446	9,211217	9,07683	8,829367	8,631568	9,039138	0,40757	1,326449729	---
17533002	7,112939	6,727967	6,916134	7,657496	7,10764	7,215551	6,9190133	7,326895667	0,40788233	1,326736927	Mir1198 // Mir1198
17206235	4,308971	5,997268	4,710007	4,943341	5,58268	5,713886	5,0054153	5,413302333	0,407887	1,326741219	---
17375045	7,097195	6,86343	7,265143	7,533111	7,560329	7,356787	7,075256	7,483409	0,408153	1,326985862	Capn3
17286830	5,574406	5,657018	5,265026	5,742719	5,853874	6,126772	5,4988167	5,907788333	0,40897167	1,327739082	Edn1
17321918	5,255047	5,631543	6,180457	6,264426	6,026015	6,00393	5,6890157	6,098123667	0,409108	1,327864558	Gm5476
17208491	6,43712	6,121347	6,081562	6,279361	6,788466	6,80038	6,213343	6,622735667	0,40939267	1,328126593	---
17359926	6,790361	7,441741	7,680806	7,437586	7,792389	7,912022	7,3043027	7,713999	0,40969633	1,328406174	---
17319022	5,727223	5,568697	5,790979	6,088174	6,19144	6,038455	5,695633	6,106023	0,41039	1,329045043	C1qtnf6
17206857	3,160922	3,684824	3,086359	3,42597	4,194839	3,542688	3,3107017	3,721165667	0,410464	1,329113215	---
17205135	5,724331	4,956283	5,509939	5,637782	5,934681	5,849586	5,396851	5,807349667	0,41049867	1,329145153	---
17209325	5,724331	4,956283	5,509939	5,637782	5,934681	5,849586	5,396851	5,807349667	0,41049867	1,329145153	---
17531480	8,066723	8,49506	8,425597	8,580227	8,624933	9,014523	8,3291267	8,739894333	0,41076767	1,329393004	3000002C10Rik
17200357	3,658781	5,018649	3,938426	4,368071	5,373648	4,106731	4,2052853	4,61615	0,41086467	1,329482389	---
17200069	5,555877	5,731606	6,260759	6,367261	6,482943	5,931428	5,849414	6,260544	0,41113	1,329726923	---
17291183	6,102132	6,092555	6,401258	6,371411	6,679794	6,778256	6,1986483	6,609820333	0,411172	1,329765635	Hist2h3b // Hist1h3e // Hist1h3b // Hist1
17202331	4,517241	4,316114	4,114683	4,965473	3,991747	5,224611	4,3160127	4,727277	0,41126433	1,329850744	---
17416059	4,152187	4,093671	4,422824	4,386215	5,149525	4,366793	4,222894	4,634177667	0,41128367	1,329868565	---
17202583	5,685232	5,518184	4,754731	5,80005	5,574437	5,817909	5,3193823	5,730798667	0,41141633	1,329990862	---
17357920	5,552964	4,829024	4,33053	5,18366	5,631307	5,133215	4,9041727	5,316060667	0,411888	1,330425753	Olfr1474
17200289	3,163387	3,477735	3,132759	3,721573	3,794019	3,494044	3,2579603	3,669878667	0,41191833	1,330453726	---
17203817	3,663373	4,673548	4,054654	5,189231	4,18965	4,249486	4,130525	4,542789	0,412264	1,330772538	---
17538778	7,62465	7,608724	7,124347	7,63799	7,850843	8,106023	7,4525737	7,864952	0,41237833	1,330878006	---
17203295	4,596031	4,106797	3,789951	4,619026	4,755857	4,355842	4,1642597	4,576908333	0,41264867	1,33112741	---
17207981	5,04508	4,88236	5,537627	6,452178	5,069717	5,181664	5,1550223	5,567853	0,41283067	1,331295346	---
17207129	4,387352	4,572365	4,052733	5,043775	4,65141	4,556129	4,3374833	4,750438	0,41295467	1,331409776	---
17200461	5,257586	4,282071	5,108281	5,459223	5,524082	4,903656	4,882646	5,295653667	0,41300767	1,331458689	---
17255947	4,681106	4,681603	4,644019	5,106868	4,97521	5,164376	4,6689093	5,082151333	0,413242	1,331674972	Mir5119
17490245	4,471083	4,375567	4,589681	5,042987	5,028062	4,605969	4,478777	4,892339333	0,41356233	1,331970687	Mybpc2
17209851	5,681	5,058243	6,006562	6,023262	6,217517	5,746341	5,581935	5,995706667	0,41377167	1,332163969	---
17256823	6,842294	6,737163	6,607145	6,804144	7,461555	7,162287	6,7288673	7,142662	0,41379467	1,332185207	Arl4d
17487759	8,296771	8,39813	8,312578	8,300071	9,183041	8,766114	8,3358263	8,749742	0,41391567	1,332296943	Cd177
17296525	4,609279	4,600554	4,914584	4,976732	5,004591	5,384933	4,708139	5,122085333	0,41394633	1,332325263	---
17210165	6,216431	6,302513	5,772133	6,171439	6,744005	6,617481	6,0970257	6,510975	0,41394933	1,332328034	---
17548057	5,334682	5,035274	5,596639	5,840019	5,530505	5,837952	5,3221983	5,736158667	0,41396033	1,332338192	AA667203
17545243	6,509486	6,015343	6,039464	6,73576	6,519861	6,551155	6,1880977	6,602258667	0,414161	1,332523522	---
17203995	4,046552	4,394595	4,376313	4,823784	4,856061	4,380769	4,2724867	4,686871333	0,41438467	1,332730124	---
17284457	5,518472	5,411902	5,485055	5,875943	5,980916	5,801987	5,4718097	5,886282	0,41447233	1,332811111	Igh-VJ558 // Igh-VJ558
17200533	4,220127	3,706212	3,879928	4,623281	4,040116	4,386756	3,9354223	4,350051	0,41462867	1,332955545	---
17204769	5,636838	6,072889	5,724942	6,11854	6,652866	5,907536	5,8115563	6,226314	0,41475767	1,333074738	---
17547687	6,313787	6,227176	6,041397	6,788536	6,467916	6,570874	6,19412	6,609108667	0,41498867	1,333288203	Gm19924 // Gm19924
17209693	5,978164	5,472534	6,783515	6,938512	5,945749	6,595243	6,078071	6,493168	0,415097	1,333388325	---
17206509	7,207425	8,295677	7,936344	8,419885	7,768569	8,497415	7,8131487	8,228623	0,41547433	1,333737115	---
17547674	3,703723	4,197397	4,296115	4,195179	4,741992	4,507195	4,065745	4,481455333	0,41571033	1,333955309	Gm5955
17210647	7,429829	7,275879	6,402137	7,594984	7,663052	7,097455	7,0359483	7,451830333	0,415882	1,334114046	---
17460602	9,78358	9,46459	9,457767	10,13403	10,18428	9,635455	9,5686457	9,984588333	0,41594267	1,334170148	---
17211382	5,143698	5,218421	5,594755	5,772083	5,97278	5,460133	5,318958	5,734998667	0,41604067	1,334260779	Efhc1
17206077	4,413692	4,697062	4,574463	5,314569	4,592572	5,026249	4,561739	4,977796667	0,41605767	1,334276502	---
17206505	7,500287	8,144158	7,808552	8,393265	7,826221	8,4829	7,8176657	8,234128667	0,416463	1,334651427	---
17210105	5,739136	5,100379	4,903324	5,287477	6,590673	5,714126	5,447613	5,864092	0,416479	1,334666229	---
17290932	7,514063	7,29034	7,576647	7,874296	7,909112	7,847837	7,46035	7,877081667	0,41673167	1,334899996	---
17545407	4,272361	3,76929	4,330153	5,220638	3,993696	4,408014	4,1239347	4,540782667	0,416848	1,335007642	---
17498245	8,450914	7,816396	7,872465	8,128428	8,701119	8,561474	8,0465917	8,463673667	0,417082	1,335224193	Cdkn1c
17481348	4,011003	4,416769	4,200588	4,327441	4,957931	4,594261	4,2094533	4,626544333	0,417091	1,335232522	Olfr678
17200727	5,380177	5,124767	5,534532	5,770516	5,86301	5,65727	5,346492	5,763598667	0,41710667	1,335247022	---
17549612	4,445182	4,563807	4,438231	4,971191	4,880702	4,846829	4,4824067	4,899574	0,41716733	1,335303172	---
17284482	6,702952	6,866052	6,609239	7,131677	7,149455	7,149147	6,726081	7,143426333	0,41734533	1,335467932	---
17483381	5,759723	5,987917	5,59482	6,283045	6,178982	6,132487	5,78082	6,198171333	0,41735133	1,335473486	---
17201803	5,57147	6,309781	5,866535	5,860196	6,646361	6,495261	5,9159287	6,333939333	0,41801067	1,336083957	---
17201979	5,57147	6,309781	5,866535	5,860196	6,646361	6,495261	5,9159287	6,333939333	0,41801067	1,336083957	---
17205627	5,461903	6,014657	6,10332	6,324936	6,397151	6,111936	5,85996	6,278007667	0,41804767	1,336118223	---
17312068	3,095037	3,437519	3,393883	4,216126	3,545972	3,418746	3,308813	3,726948	0,418135	1,336199107	---
17217495	4,126548	3,967286	3,927933	4,51378	4,319879	4,442804	4,0072557	4,425487667	0,418232	1,33628895	---
17204225	5,328175	5,238825	5,081168	5,493623	5,536717	5,872622	5,216056	5,634320667	0,41826467	1,336319208	---
17400773	9,641421	9,504187	9,44559	9,742153	10,17324	9,931276	9,5303993	9,948889667	0,41849033	1,336528251	Fmo5
17208397	4,384252	4,048826	4,465541	5,407464	4,745289	4,002229	4,2995397	4,718327333	0,41878767	1,336803732	---
17208625	6,786248	6,268383	6,269335	6,91836	6,907708	6,754566	6,441322	6,860211333	0,41888933	1,33689794	---
17549474	4,497794	4,547561	4,47911	4,985771	4,92674	4,868867	4,508155	4,927126	0,418971	1,33697362	---
17208425	6,645141	5,245885	6,865263	6,287035	6,9978	6,728404	6,2520963	6,671079667	0,41898333	1,33698505	---
17484583	4,668911	4,829802	4,857183	4,966804	5,215734	5,430605	4,7852987	5,204381	0,41908233	1,337076799	Olfr541
17210649	3,480861	2,848129	3,135597	3,075765	4,273046	3,373194	3,1548623	3,574001667	0,41913933	1,337129627	---
17304145	8,217581	8,844556	8,167588	9,082108	8,389828	9,015237	8,4099083	8,829057667	0,41914933	1,337138895	---

17203947	5,761782	6,757603	6,133808	7,21173	6,392975	6,306548	6,217731	6,637084333	0,41935333	1,337327983	---
17288223	4,192551	4,178558	4,360947	5,033712	4,606293	4,350422	4,2440187	4,663475667	0,419457	1,337424082	---
17203837	4,246919	4,392987	3,510668	4,75087	4,464094	4,194245	4,0501913	4,469736333	0,419545	1,337505663	---
17475194	7,268551	7,881757	7,429241	7,463702	7,963022	8,412309	7,5265163	7,946344333	0,419828	1,337768055	---
17202473	4,892288	5,607518	5,94536	5,948997	5,732658	6,023158	5,481722	5,901604333	0,41988233	1,337818437	---
17200129	5,093952	4,654112	4,47365	4,936669	5,663228	4,882969	4,7405713	5,160955333	0,420384	1,338283716	---
17201691	5,587655	5,384915	5,05599	6,278551	5,4929	5,518275	5,3428533	5,763242	0,42038867	1,338288045	---
17207063	5,873285	6,231655	6,245623	6,129152	7,064558	6,418808	6,1168543	6,537506	0,42065167	1,338532034	---
17202707	2,766672	2,874025	2,99789	3,234979	3,495917	3,170444	2,879529	3,300446667	0,42091767	1,338778852	---
17418057	5,451765	5,935518	6,335432	6,42758	6,341502	6,217128	5,9075717	6,328736667	0,421165	1,33900839	---
17307963	3,496041	3,542596	3,730536	3,903078	4,170788	3,959687	3,5897243	4,011184333	0,42146	1,339282216	Ebf2
17208561	6,386158	5,722423	6,793459	6,334595	6,722887	7,108982	6,30068	6,722154667	0,42147467	1,339295831	---
17290936	7,446656	7,893044	7,984484	7,936567	8,361372	8,290673	7,774728	8,196204	0,421476	1,339297069	---
17399176	4,486025	4,948863	4,778706	5,330639	5,207798	4,939729	4,7378647	5,159388667	0,421524	1,33934163	5830417I10Rik
17525240	5,536249	5,771771	5,765668	6,21899	6,177738	5,942453	5,6912293	6,113060333	0,421831	1,339626667	St14
17538776	8,847648	8,155771	8,157457	9,058501	8,928829	8,439575	8,3869587	8,808968333	0,42200967	1,33979258	---
17473957	3,404714	4,672626	3,577047	3,829211	4,762346	4,328918	3,8847957	4,306825	0,42202933	1,339810844	---
17205269	6,103359	6,133388	5,911972	6,575244	6,441054	6,39851	6,049573	6,471602667	0,42202967	1,339811153	---
17209459	6,103359	6,133388	5,911972	6,575244	6,441054	6,39851	6,049573	6,471602667	0,42202967	1,339811153	---
17387162	5,753246	5,95007	5,697433	6,126782	6,540515	5,999826	5,8002497	6,222374333	0,42212467	1,339899381	Sestd1
17200179	4,059204	4,271092	4,027723	4,934767	4,382687	4,30701	4,1193397	4,541488	0,42214833	1,339921362	---
17204057	7,803456	7,505414	7,742518	8,09371	8,220603	8,003646	7,683796	8,105986333	0,42219033	1,33996037	---
17204235	4,510791	4,69263	4,076826	4,5296	5,039446	4,978813	4,426749	4,849286333	0,42253733	1,340282699	---
17322985	4,743641	5,173319	5,080208	5,53574	5,429418	5,299952	4,999056	5,421703333	0,42264733	1,340384895	Shisa9
17283915	4,957477	4,970749	4,976134	5,187519	5,892775	5,09212	4,96812	5,390804667	0,42268467	1,340419581	Degs2
17204423	4,704893	4,822806	4,093166	5,541041	4,433889	4,915457	4,5402883	4,963462333	0,423174	1,340874301	---
17208167	4,611503	5,035761	3,889484	5,060198	5,461677	4,284723	4,5122493	4,935532667	0,42328333	1,340975922	---
17537861	7,75631	7,350259	7,097135	7,737702	7,768767	7,967111	7,4012347	7,824526667	0,423292	1,340983978	Arxes2
17448915	5,307491	4,42895	4,717269	5,204309	5,313935	5,205491	4,8179033	5,241245	0,42334167	1,341030144	---
17216671	5,010987	4,800742	5,108881	5,558015	5,502242	5,130526	4,9735367	5,396927667	0,423391	1,341076001	C1ql2
17207143	3,843873	3,719798	2,941575	3,999181	3,648384	4,127876	3,5017487	3,925147	0,42339833	1,341082818	---
17525845	5,391133	5,098448	5,145741	5,302548	5,703826	5,899571	5,211774	5,635315	0,423541	1,341215443	4931429I11Rik
17498467	6,293585	6,403639	6,318844	6,883692	6,683378	6,719774	6,3386893	6,762281333	0,423592	1,341262857	Ano1
17210547	4,19521	3,620447	3,14713	3,530257	4,002141	4,702859	3,6542623	4,078419	0,42415667	1,341787926	---
17341164	7,483728	7,134851	7,668233	7,885715	7,915464	7,758383	7,4289373	7,853187333	0,42425	1,341874734	Tcte3
17222527	7,953157	7,873871	7,701954	8,211673	8,408637	8,182159	7,842994	8,267489667	0,42449567	1,342103252	Tbc1d8
17542133	3,125056	3,713297	3,498187	3,946156	3,899061	3,76557	3,4455133	3,870262333	0,424749	1,342338942	---
17204921	4,451832	4,809923	5,45083	5,035187	5,404412	5,547508	4,904195	5,329035667	0,42484067	1,342424235	---
17200535	3,440103	2,821051	3,409219	3,409219	3,842578	3,694432	3,2234577	3,648743	0,42528533	1,34283806	---
17210189	5,900469	7,14318	7,19825	7,212911	7,107009	7,19825	6,7472997	7,172723333	0,42542367	1,342966825	---
17384444	6,806732	6,267691	6,54159	7,322391	6,661244	6,909513	6,538671	6,964382667	0,42571167	1,343234943	---
17357910	5,171032	5,28648	5,137424	5,489499	5,961933	5,420889	5,198312	5,624107	0,425795	1,343312534	Olfr1463
17208075	3,774378	3,62158	3,455701	4,324134	3,80942	3,996071	3,6172197	4,043208333	0,42598867	1,343492872	---
17467540	5,887693	6,182409	5,924268	6,664319	6,541467	6,067184	5,9981233	6,424323333	0,4262	1,343689688	Igk-V28 // Igk-V28
17242311	8,118483	8,104857	8,302553	8,544706	8,590191	8,67107	8,1752977	8,601989	0,42669133	1,344147381	Gm9736
17202633	4,758039	4,385368	4,630099	5,164146	5,008245	4,881687	4,5911687	5,018026	0,42685733	1,344302051	---
17300086	4,7677	4,713313	5,149268	5,226648	5,207682	5,477072	4,8767603	5,303800667	0,42704033	1,344472581	---
17538754	5,241523	7,165126	5,736159	6,129892	6,448824	6,845763	6,0476027	6,474826333	0,42722367	1,344643443	---
17278700	4,851823	4,998738	4,798527	5,287398	5,287616	5,355802	4,8830293	5,310272	0,42724267	1,344661152	Mir3070b
17457158	11,04988	10,95013	10,82426	11,0791	11,60058	11,42669	10,941423	11,36879	0,42736667	1,344776731	Akr1b7
17348589	4,433345	4,218516	4,261984	4,670526	4,74478	4,780992	4,304615	4,732099333	0,42748433	1,344886416	Mir1948
17549606	8,199482	8,57184	7,667874	8,879873	8,39984	8,442239	8,1463987	8,573984	0,42758533	1,344980572	---
17278767	8,122626	8,141702	8,06184	8,586013	8,560445	8,462908	8,1087227	8,536455333	0,42773267	1,345117933	---
17549204	5,736159	6,48036	6,318462	6,723675	6,777415	6,318462	6,178327	6,606517333	0,42819033	1,345544713	---
17453819	7,561292	8,223991	7,659027	9,01008	8,471311	7,249307	7,81477	8,243566	0,428796	1,346109713	Serpine1
17200665	4,104469	3,841064	4,279739	4,688353	4,660238	4,163727	4,0750907	4,504106	0,42901533	1,346314378	---
17207109	4,007444	4,545621	3,815552	4,933228	4,12473	4,598945	4,1228723	4,552301	0,42942867	1,346700154	---
17208233	4,482517	4,96397	3,867614	4,382004	5,433867	4,786529	4,4380337	4,867466667	0,429433	1,346704199	---
17206463	9,499263	9,43179	9,460196	9,951391	9,744658	9,983957	9,4637497	9,893335333	0,42958567	1,346846715	---
17204489	5,094774	5,752682	5,668767	6,481392	5,381972	5,941888	5,5054077	5,935084	0,42967633	1,346931361	---
17203677	6,461442	5,783179	6,481845	6,459891	7,028213	6,527916	6,2421553	6,672006667	0,42985133	1,347094754	---
17206731	3,508006	3,631291	3,823431	4,318024	3,748485	4,186413	3,6542427	4,084307333	0,43006467	1,347293966	---
17239462	5,635658	5,518032	4,930834	5,465674	5,974602	5,936122	5,361508	5,792132667	0,43062467	1,347817036	---
17340272	6,889519	7,142035	6,8207	7,356277	7,529717	7,259164	6,9507513	7,381719333	0,430968	1,348137829	Epcam
17200181	5,406432	5,217304	5,088474	5,999167	5,452247	5,555075	5,2374033	5,668829667	0,43142633	1,34856619	---
17204395	3,491563	4,735643	4,361484	3,728744	4,875649	5,280815	4,19623	4,628402667	0,43217267	1,349264009	---
17202113	7,141428	6,165604	6,601418	7,585126	6,629674	6,990312	6,63615	7,068370667	0,43222067	1,349308901	---
17400121	5,753986	5,938721	5,713368	6,448744	6,209646	6,044738	5,802025	6,234376	0,432351	1,349430804	Gm15234
17213608	6,82048	7,618174	7,447213	7,735316	7,669142	7,778983	7,295289	7,727813667	0,43252467	1,349593253	Adam23
17205917	4,133019	4,054936	4,180286	4,401455	4,490345	4,775248	4,122747	4,555682667	0,43293567	1,349977785	---
17209945	6,607291	6,997098	7,250572	7,165999	7,671628	7,316878	6,9516537	7,384835	0,43318133	1,350207683	---
17500435	4,287119	3,852149	3,982334	4,616561	4,386673	4,418181	4,040534	4,473805	0,433271	1,350291604	Gm8179
17269233	3,470368	3,822053	3,426693	4,031863	4,138083	3,849036	3,573038	4,006327333	0,43328933	1,350308763	Gm11596
17299497	3,198911	3,202869	3,325861	3,64212	3,775463	3,610063	3,242547	3,675882	0,433335	1,350351506	4930413M19Rik // 4930413M19Rik
17206487	9,468328	9,376534	9,860085	10,11648	9,874759	10,01382	9,5683157	10,00168633	0,43337067	1,35038489	---
17373817	7,225835	6,853778	7,081565	7,327551	7,394052	7,740637	7,053726	7,487413333	0,43368733	1,350681328	Cd59b
17208193	6,796954	6,655268	6,993329	7,840959	6,827275	7,0785	6,8151837	7,248911333	0,43372767	1,350719089	---
17204437	3,769371	3,501577	3,18712	3,781902	3,666201	4,312277	3,4860227	3,920126667	0,434104	1,351071476	---
17205985	3,914284	4,026233	3,893604	5,12556	4,120347	3,891328	3,944707	4,379078333	0,43437133	1,351321855	---
17238054	7,055734	7,434828	7,484173	7,724088	8,026432	7,527687	7,3249117	7,759402333	0,43449067	1,351433635	Ndufa4l2
17209673	5,951853	6,740146	5,819428	6,582849	6,54719	6,685801	6,1704757	6,60528	0,43480433	1,351727491	---
17267418	8,919949	9,384497	9,089733	9,588975	9,45879	9,651965	9,131393	9,566576667	0,43518367	1,352082953	A130040M12Rik // A130040M12Rik
17490830	6,87587	6,966816	6,706772	7,40484	7,318924	7,131504	6,8498193	7,285089333	0,43527	1,352163866	Ftl1
17209153	6,788542	6,660851	6,753882	7,070988	7,171741	7,267413	6,734425	7,170047333	0,43562233	1,352494131	---
17205849	5,153165	5,448118	5,116889	5,537842	5,778713	5,708628	5,2393907	5,675061	0,43567033	1,35253913	---
17274446	4,074955	4,01559	3,98458	3,880751	4,91928	4,582605	4,0250417	4,460878667	0,435837	1,352695391	---
17205351	3,342199	4,019639	3,18436	3,638927	3,977805	4,239928	3,5153993	3,95222	0,43682067	1,353618008	---
17317284	5,765562	5,594576	5,855741	6,247788	5,996241	6,282588	5,7386263	6,175539	0,43691267	1,35370433	Anxa13
17513399	3,35152	3,947532	4,094667	4,240837	5,004855	3,459414	3,7979063	4,235035333	0,437129	1,353907335	---
17204103	3,569449	3,509465	3,886839	3,768172	4,373639	4,135424	3,655251	4,092411667	0,43716067	1,353937053	---
17509504	5,57572	4,857244	3,994468	5,402681	5,217013	5,119273	4,809144	5,246322333	0,43717833	1,353953633	---
17203617	5,368652	4,29332	4,710007	5,199988	5,37659	5,107553	4,7906597	5,228043667	0,437384	1,354146662	---
17208717	5,359671	5,830613	4,996617	6,064984	5,939862	5,494495	5,3956337	5,833113667	0,43748	1,354236773	---
17200081	5,613218	4,80818	5,521424	6,063479	5,407468	5,784356	5,314274	5,751767667	0,43749367	1,354249602	---
17274356	4,488457	4,420928	4,295395	5,095634	4,586395	4,835455	4,4015933	4,839161333	0,437568	1,35431938	---
17200581	3,294543	3,605543	3,243916	4,037253	3,882892	3,536792	3,381334	3,818979	0,437645	1,354391665	---
17386177	11,70022	11,51044	11,32359	11,54603	12,35369	11,94827	11,511417	11,94933	0,43791333	1,354643598	Abcb11
17416755	8,824017	8,974886	8,111964	8,863047	9,193713	9,168722	8,6369557	9,075160667	0,438205	1,354917491	---
17536163	4,155496	4,435189	4,734132	5,182932	4,711465	4,745859	4,4416057	4,880085333	0,43847967	1,355175471	---
17200619	6,122987	5,593859	5,625984	6,72155	5,862076	6,07551	5,7809433	6,219712	0,43876867	1,355446966	---
17202915	4,712469	4,893951	5,183241	5,807053	4,866379	5,432686	4,929887	5,368706	0,438819	1,355494256	---
17269208	6,677384	6,067863	6,635993	6,937615	6,765717	6,994373	6,4604133	6,899235	0,43882167	1,355496762	---
17210523	4,334191	5,597705	5,41404	5,545676	5,224926	5,892188	5,115312	5,554263333	0,43895133	1,355618597	---
17436397	6,134899	6,267481	6,451596	6,587785	6,570562	7,014157	6,2846587	6,724168	0,43950933	1,356143019	---
17204777	6,873519	7,254865	7,002961	7,593736	7,627988	7,228602	7,0437817	7,483442	0,43966033	1,356284967	---
17205395	6,46443	6,09013	6,122284	6,562576	6,448824	6,985797	6,2256147	6,665732333	0,44011767	1,356714977	---
17207861	2,784333	3,000852	2,815713	4,084911	3,367236	2,469585	2,866966	3,307244	0,440278	1,356865763	---
17477377	5,546609	5,199987	5,398895	5,89079	5,795515	5,780025	5,3818303	5,82211	0,44027967	1,356867331	Klk1b4
17533939	9,168005	7,918248	7,737713	9,258864	7,95012	8,936377	8,2746553	8,715120333	0,440465	1,35704165	Gmcl1l
17284399	5,769338	5,599697	5,782685	6,552529	5,689161	6,232266	5,71724	6,157985333	0,44074533	1,357305365	---
17208765	5,346118	5,768066	6,21727	6,470536	6,198987	5,984549	5,7771513	6,218024	0,44087267	1,357425167	---
17246390	3,453524	3,053003	3,135054	3,550721	3,402866	4,01091	3,2138603	3,654832333	0,4409972	1,357518633	Olfr766
17521902	8,218858	8,024963	8,032679	8,4923	8,74466	8,36347	8,0921667	8,533476667	0,44131	1,357836715	Ip6k2
17477339	4,699194	4,204054	4,590513	4,880239	5,006888	4,93072	4,4979203	4,939282333	0,441362	1,357885657	Klk1b21
17208283	5,180182	5,131303	6,251548	5,398431	6,797833	5,691319	5,521011	5,962527667	0,44151667	1,358031239	---
17207101	6,51087	7,152915	6,571497	7,245273	7,435042	6,879865	6,745094	7,186726667	0,44163267	1,358140436	---
17202461	5,508751	4,032043	5,704606	5,79406	5,164009	5,613131	5,0818	5,523733333	0,44193333	1,358423511	---
17205483	6,082239	6,11448	6,544958	6,666752	7,078998	6,322604	6,2472257	6,689451333	0,44222567	1,358698796	---
17359928	8,205492	7,903008	7,329618	8,021564	8,493275	8,250401	7,812706	8,25508	0,442374	1,3588385	---
17203109	5,662519	5,412395	5,698199	6,678543	5,796927	5,625528	5,5910377	6,033666	0,44262833	1,359078072	---
17204245	5,341248	5,719907	4,473309	5,891747	5,566998	5,403666	5,1781547	5,620803667	0,442649	1,359097541	---
17203937	3,595831	3,372192	2,959743	3,416184	3,532004	4,307785	3,3092553	3,751991	0,44273567	1,359179188	---
17401041	5,471755	5,791274	5,828944	5,96187	6,63318	5,825389	5,6973243	6,140146333	0,442822	1,359260526	Casq2
17413170	5,706794	5,508856	5,822775	6,326597	6,072865	5,967818	5,679475	6,122426667	0,44295167	1,359382699	---
17541158	5,850544	6,224576	6,097123	6,687402	6,166687	6,647211	6,0574143	6,500433333	0,443019	1,359446145	Fam70a
17417255	6,775329	7,039091	7,076203	8,089102	7,262167	6,86927	6,963541	7,406846333	0,44330533	1,359715983	Cyp4a32 // Cyp4a32
17288070	4,91396	4,112557	5,164231	5,432502	5,203043	4,885267	4,7302493	5,173604	0,44335467	1,35976248	---
17536206	4,011483	4,164403	4,101049	4,77211	4,593704	4,24137	4,0923117	4,535728	0,44341633	1,359820603	---
17371756	7,003588	7,147856	7,023553	7,604799	7,37561	7,525065	7,0583323	7,501824667	0,44349233	1,359892239	Metap1d
17200447	7,022394	6,213513	6,58608	6,91007	7,21856	7,025114	6,607329	7,051248	0,443919	1,360294477	---
17204963	5,950837	5,254181	5,972484	6,544422	6,215373	5,749468	5,725834	6,169754333	0,44392033	1,360295734	---
17203827	7,283325	7,490325	7,2247	7,656245	7,946701	7,727844	7,3327833	7,77693	0,44414667	1,360509157	---
17209097	3,626771	4,383893	4,168667	4,937381	4,430233	4,144288	4,059777	4,503967333	0,44419033	1,360550337	---
17449633	6,347505	6,826966	6,958249	6,921517	6,932455	7,611391	6,7109067	7,155121	0,44421433	1,36057297	---

17314049	4,972467	5,004281	5,142997	5,264684	5,803264	5,385497	5,039915	5,484481667	0,44456667	1,360905288	---
17284503	4,53	4,286779	4,27899	5,046373	4,258498	5,124772	4,3652563	4,809881	0,44462467	1,360960001	Ighm // Ighm
17342017	4,506304	4,825352	5,058304	5,046422	5,825236	4,853151	4,7966533	5,241603	0,44494967	1,361266623	---
17210113	4,574988	4,786256	4,701453	4,790705	4,882006	5,725214	4,6875657	5,132641667	0,445076	1,361385831	---
17208447	7,816034	7,402581	8,126786	8,243636	8,49186	7,945397	7,7818003	8,226964333	0,445164	1,361468874	---
17245466	6,7761	7,024236	6,879921	7,505698	7,479175	7,030965	6,893419	7,338612667	0,44519367	1,361496871	Tbc1d30
17534849	5,235268	4,431239	4,061621	5,359995	4,626383	5,07817	4,5760427	5,021516	0,44547333	1,361760823	Gm14625
17204993	5,402126	4,575774	3,668773	5,160392	4,575143	5,247653	4,548891	4,994396	0,445505	1,361790713	---
17367574	4,98631	4,909181	4,442241	5,307591	5,335544	5,031513	4,779244	5,224882667	0,44563867	1,36191689	---
17208515	6,24324	5,551916	5,896438	6,296256	6,465245	6,267233	5,897198	6,342911333	0,44571333	1,361987378	---
17200715	4,136266	5,021314	5,073073	5,199988	5,677307	4,691483	4,743551	5,189592667	0,44604167	1,362297379	---
17290603	4,059661	3,817337	3,978606	4,106722	4,901328	4,185757	3,951868	4,397935667	0,44606767	1,36232193	Actn2
17477322	4,582345	5,354246	5,383264	5,52641	5,464845	5,667481	5,1066183	5,552912	0,44629367	1,362535356	Klk1b26
17400124	10,49621	10,3353	10,33029	10,73216	10,90589	10,86291	10,387267	10,83365333	0,44638667	1,362623192	Selenbp2
17207673	3,617803	3,44808	3,943057	4,232267	4,275609	3,84076	3,6696467	4,116212	0,44656533	1,362791953	---
17203405	5,324748	5,613416	4,731241	4,977614	6,135971	5,895567	5,223135	5,669717333	0,44658233	1,362808011	---
17205085	5,635582	5,77427	6,690256	6,577664	6,668259	6,194328	6,0333693	6,480083667	0,44671433	1,362932708	---
17209275	5,635582	5,77427	6,690256	6,577664	6,668259	6,194328	6,0333693	6,480083667	0,44671433	1,362932708	---
17209133	6,039225	5,85304	6,157829	6,584085	6,50445	6,301914	6,016698	6,463483	0,446785	1,362999469	---
17486223	6,735932	5,924202	5,356302	6,521463	6,296202	6,539876	6,0054787	6,452513667	0,447035	1,363235679	Vmn2r33
17210721	6,466945	6,297414	5,948679	7,208967	6,146411	6,699862	6,2376793	6,68508	0,44740067	1,36358125	---
17278781	4,501543	4,460978	4,213945	4,932666	4,789889	4,798169	4,3921553	4,840241333	0,448086	1,364229155	---
17403439	10,06675	9,702278	9,576201	10,11626	10,35637	10,21981	9,781743	10,23081333	0,44907033	1,36516027	Ddah1
17237701	7,073977	7,005299	6,583367	7,391954	7,272728	7,34523	6,8875477	7,336637333	0,44908967	1,365178564	Wif1
17306705	6,793006	6,741032	7,347631	7,275337	7,604138	7,349517	6,9605563	7,409664	0,44910767	1,365195597	Psme2
17208435	6,575616	6,643409	6,92802	7,197944	7,149098	7,148736	6,7156817	7,165259333	0,44957767	1,365640422	---
17207383	5,255542	3,583204	3,791958	5,158214	4,060439	4,761363	4,2102347	4,660005333	0,44977067	1,365823126	---
17533946	5,70327	4,637085	3,90361	6,16138	4,492282	4,940007	4,7479883	5,197889667	0,44990133	1,365946836	Gm2825
17210665	5,534609	5,061881	5,628396	5,698046	5,877107	5,999622	5,4082953	5,858258333	0,449963	1,366005223	---
17209029	5,170703	4,499459	4,601852	4,969125	5,615987	5,037562	4,757338	5,207558	0,45022	1,366248583	---
17205783	2,702384	3,453524	3,651848	4,055943	3,647316	3,458056	3,269252	3,720438333	0,45118633	1,367164019	---
17207299	7,122788	5,916616	6,792591	7,219795	7,010154	6,956806	6,610665	7,062251667	0,45158667	1,367543445	---
17343643	5,224392	5,100793	4,864604	5,243358	5,744079	5,557415	5,063263	5,514950667	0,45168767	1,367639188	Rps28
17204441	4,677896	4,042961	4,276811	5,214127	4,525034	4,613714	4,332556	4,784291667	0,45173567	1,367684691	---
17206205	6,582784	5,36541	6,401258	7,445885	5,780025	6,478787	6,116484	6,568232333	0,45174833	1,367696699	---
17452264	7,433393	7,000534	7,057325	7,345054	7,73824	7,763313	7,1637507	7,615535667	0,451785	1,36773146	Acad10
17341003	6,203372	6,165948	6,312887	6,479447	6,773722	6,784482	6,2274023	6,679217	0,45181467	1,367759586	Unc93a
17204219	2,949137	3,745764	3,328748	3,736419	3,965585	3,677129	3,3412163	3,793044333	0,451828	1,367772227	---
17534767	5,278559	4,424461	4,08317	5,400178	4,613695	5,128061	4,5953967	5,047311333	0,45191467	1,367854395	Gm14625
17206961	5,142206	5,43841	5,467115	6,085765	5,953344	5,365411	5,3492437	5,801506667	0,452263	1,368184698	---
17207015	5,575628	5,773503	5,969203	6,01854	6,446031	6,210857	5,772778	6,225142667	0,45236467	1,368281117	---
17419058	4,745043	4,505612	4,611487	5,144769	5,324333	4,750513	4,620714	5,073205	0,452491	1,36840094	LOC100505156 // LOC100505156
17302598	3,617213	4,173581	4,075954	4,284543	4,739847	4,199838	3,9555827	4,408076	0,45249333	1,368403153	Gm6280
17206197	4,397885	3,68075	3,960761	4,851386	3,723385	4,823306	4,013132	4,466025667	0,45289367	1,368782924	---
17210711	3,274436	3,340138	3,485844	3,874233	3,698117	3,888731	3,366806	3,820360333	0,45355433	1,369409887	---
17200667	3,964889	3,160542	4,088833	4,529898	4,233877	3,811469	3,738088	4,191748	0,45366	1,369510189	---
17206827	6,539327	5,952337	6,025964	6,330033	6,963719	6,58595	6,1725427	6,626567333	0,45402467	1,369856401	---
17209643	6,358237	5,84668	6,315353	6,511415	6,777971	6,593059	6,1734233	6,627481667	0,45405833	1,369888368	---
17205435	3,908461	3,51728	3,045747	3,726278	4,15249	3,955066	3,490496	3,944611333	0,45411533	1,369942493	---
17204733	4,752241	5,103727	5,045864	5,796668	5,199987	5,268962	4,9672773	5,421872333	0,454595	1,370398047	---
17200073	5,451947	5,678409	4,894806	6,216134	5,321621	5,851447	5,3417207	5,796400667	0,45468	1,370478789	---
17407578	7,890398	7,775818	7,830332	8,233924	8,388839	8,238948	7,8321827	8,287237	0,45505433	1,370834431	Tuft1
17449552	8,073366	8,119054	8,028948	8,733654	8,357648	8,495942	8,0737893	8,529081333	0,455292	1,371060278	---
17287022	3,176298	3,073458	3,157348	3,571535	3,700151	3,501409	3,1357013	3,591031667	0,45533033	1,371096709	---
17204427	3,402462	3,090292	3,828149	3,564206	4,513246	3,610302	3,440301	3,895918	0,455617	1,371369176	---
17204171	2,807494	2,811344	2,787253	3,453327	3,14098	3,179136	2,8020303	3,257814333	0,455784	1,371527928	---
17207681	6,133018	5,956922	6,365288	6,659552	6,519549	6,643969	6,1517427	6,60769	0,45594733	1,371683213	---
17204715	3,45004	3,042271	2,77454	3,862517	3,272676	3,499855	3,0889503	3,545016	0,45606567	1,371795727	---
17204917	5,136801	5,770818	6,291114	6,550638	5,762578	6,253865	5,732911	6,189027	0,456116	1,371843587	---
17514732	8,619232	8,137514	8,110651	8,725471	8,782729	8,728138	8,2891323	8,745446	0,45631367	1,372031559	Sesn3
17275401	7,170243	7,262137	7,341642	7,705655	7,577754	7,859692	7,2580073	7,714367	0,45635967	1,372075307	Gm5785
17225251	3,908947	4,089085	4,268587	5,086432	4,244277	4,305028	4,088873	4,545245667	0,45637267	1,372087671	---
17200239	5,873809	5,832452	5,071076	5,445287	6,362826	6,33918	5,5924457	6,049097667	0,456652	1,372353359	---
17448791	9,175396	8,717751	9,213967	9,414026	9,588756	9,47544	9,0357047	9,492740667	0,457036	1,372718685	---
17533469	3,682112	4,554024	4,677352	4,977608	4,688317	4,619367	4,304496	4,761764	0,457268	1,37293945	Cypt1
17202521	6,105637	6,571031	6,685712	7,235943	7,217453	6,281348	6,4541267	6,911581333	0,45745467	1,373117102	---
17267846	7,322909	7,318357	7,352663	7,517095	7,982081	7,86791	7,3313097	7,789028667	0,457719	1,37336871	Abcc3
17210601	4,827428	4,539363	4,89053	5,532975	5,337277	4,760408	4,7524403	5,21022	0,45777967	1,373426463	---
17448779	7,908023	8,447862	7,329618	8,19978	8,781431	8,079601	7,8951677	8,353604	0,45843633	1,374051743	---
17214899	6,725947	6,516901	6,467942	7,051275	6,87076	7,164976	6,5702633	7,029003667	0,45874033	1,374341309	Gm7609
17278200	7,901724	8,24774	7,366679	8,426438	8,245503	8,223109	7,8387143	8,29835	0,45963567	1,375194487	Ifi27l1
17389510	4,779051	4,751139	4,950889	4,72176	6,347749	4,792076	4,8270263	5,287195	0,46016867	1,375702643	Actc1
17200031	3,675484	3,94349	3,898882	4,570201	4,237655	4,091088	3,8392853	4,299648	0,46036267	1,375887647	---
17208769	5,538308	5,433759	4,507463	4,714016	6,328335	5,819088	5,1598433	5,620479667	0,46063633	1,376148666	---
17205223	3,835303	3,852309	4,295625	4,144889	4,049922	5,170861	3,9944123	4,455224	0,46081167	1,376315922	---
17209413	3,835303	3,852309	4,295625	4,144889	4,049922	5,170861	3,9944123	4,455224	0,46081167	1,376315922	---
17377170	5,581329	5,422953	5,459506	5,942024	6,107557	5,796737	5,4879293	5,948772667	0,46084333	1,376346132	BC039771
17205177	4,247098	4,812335	4,027136	5,074476	4,901956	4,492762	4,3621897	4,823064667	0,460875	1,376376343	---
17209367	4,247098	4,812335	4,027136	5,074476	4,901956	4,492762	4,3621897	4,823064667	0,460875	1,376376343	---
17208987	4,586112	4,122445	3,679386	4,119272	5,272798	4,378861	4,1293143	4,590310333	0,460996	1,376491785	---
17205583	3,938487	3,796203	4,133982	4,026273	4,404013	4,821574	3,956224	4,417286667	0,46106267	1,376555394	---
17206781	5,47463	5,50937	5,335707	6,1508	5,204983	6,34772	5,4399023	5,901167667	0,46126533	1,376748783	---
17437828	5,974455	5,860528	6,354569	6,630675	6,740096	6,202936	6,063184	6,524569	0,461385	1,376862985	---
17208107	3,160748	4,189256	4,069337	4,300366	4,428208	4,077038	3,806447	4,268537333	0,46209033	1,377536297	---
17209515	6,271903	6,409182	6,243619	6,755993	7,086264	6,46899	6,3082347	6,770415667	0,462181	1,377622872	---
17385710	5,639111	6,023881	5,968572	6,845457	5,941065	6,233211	5,877188	6,339911	0,462723	1,378140522	---
17538813	9,004516	9,492564	9,388064	9,95798	9,620259	9,695266	9,295048	9,757835	0,462787	1,37820166	---
17201323	4,071709	3,95159	2,775383	3,84606	4,567593	3,773783	3,5995607	4,062478667	0,462918	1,378326809	---
17235837	5,625881	5,643658	5,951286	6,387947	6,000817	6,221826	5,740275	6,20353	0,463255	1,378648811	Zfp873
17533950	5,40192	5,603823	5,91851	6,177593	5,902942	6,234581	5,6414177	6,105038667	0,463621	1,378998607	Gm2837
17206297	3,275456	3,382997	2,97365	3,968168	3,51942	3,535918	3,210701	3,674502	0,463801	1,379170671	---
17200661	3,828342	3,494043	4,165556	4,148754	4,421765	4,308971	3,8293137	4,293163333	0,46384967	1,379217196	---
17542727	3,391958	3,830389	3,745174	4,032282	3,927554	4,39928	3,6558403	4,119705333	0,463865	1,379231854	LOC100503280
17467554	6,101297	5,710404	5,640597	6,409242	6,079326	6,355709	5,8174327	6,281425667	0,463993	1,379354229	---
17498947	8,683461	8,358884	8,75984	9,223987	9,0867	8,883809	8,6007283	9,064832	0,46410367	1,379460041	4833411C07Rik
17201303	4,340353	4,438171	4,57057	4,498847	5,49913	4,74356	4,449698	4,913845667	0,46414767	1,379502113	---
17208011	5,937029	4,691672	4,291259	5,329976	5,779521	5,202924	4,97332	5,437473667	0,46415367	1,37950785	---
17257050	4,50598	5,260379	4,784725	5,594228	5,582874	4,766686	4,8503613	5,314596	0,46423467	1,379585305	---
17204975	5,11215	4,182163	5,211792	5,400524	5,290564	5,20892	4,8353683	5,300002667	0,46463433	1,379967541	---
17204159	5,996573	5,784219	5,173562	5,904157	6,682224	5,76241	5,6514513	6,116263667	0,46481233	1,380137813	---
17420433	8,135637	8,735392	7,949839	8,966649	8,575047	8,674114	8,2736227	8,738603333	0,46498067	1,380298856	---
17366278	8,042942	8,216158	7,411807	8,454623	8,28315	8,328686	7,8903023	8,355486333	0,465184	1,380493409	Sp100
17204543	4,297427	4,975977	4,721338	5,258292	5,151287	4,981945	4,664914	5,130508	0,465594	1,380885788	---
17318083	7,130174	6,038341	5,890396	8,203268	6,176136	6,076568	6,3529703	6,818657333	0,465687	1,380974806	Ly6a
17345320	5,758152	5,103727	5,602016	5,403666	5,864055	6,593338	5,487965	5,953686333	0,46572133	1,381007671	---
17205983	3,557669	3,482126	3,809048	4,741345	3,717384	3,787589	3,616281	4,082106	0,465825	1,381106909	---
17436558	4,419002	4,662919	4,720712	5,220041	5,018159	4,962623	4,6008777	5,066941	0,46606333	1,381335086	LOC100862066
17204413	5,593066	5,841104	6,046818	6,382678	6,653465	5,844249	5,826996	6,293464	0,466468	1,381722596	---
17208751	3,788659	3,705544	4,287226	4,711093	4,408152	4,061763	3,927143	4,393669333	0,46652633	1,381778466	---
17449527	8,998181	9,33767	9,24402	9,489557	9,760201	9,730507	9,1932903	9,660088333	0,466798	1,382038686	---
17250839	8,695802	8,592313	8,261823	8,965561	9,020619	8,964292	8,516646	8,983490667	0,46684467	1,382083391	Pmp22
17200491	5,199098	5,587745	5,861009	6,000955	5,975465	6,072118	5,549284	6,016179333	0,46689533	1,38213193	---
17206557	4,962585	5,276184	4,598406	5,242826	5,939394	5,055679	4,945725	5,412633	0,466908	1,382144065	---
17204617	5,046906	4,354701	4,299713	5,125801	5,020058	4,956512	4,5671067	5,034123667	0,467017	1,382248494	---
17207831	4,065064	5,18268	5,375799	5,940495	4,735745	5,3488	4,8745143	5,34168	0,46716567	1,382390939	---
17204039	4,678408	5,098842	4,683367	5,654761	5,648174	4,559395	4,8202057	5,287443333	0,46723767	1,382459931	---
17206711	7,04492	7,12545	7,232144	7,822119	7,278275	7,704447	7,1341713	7,601613667	0,46744233	1,382656067	---
17204871	4,624769	3,696008	4,092942	4,659546	4,449338	4,707445	4,1379063	4,605443	0,46753667	1,382746477	---
17204819	2,925736	3,934874	3,13814	4,050262	3,684035	3,670336	3,3329167	3,801544333	0,46862767	1,383792538	---
17540173	4,153795	4,389357	4,568333	4,784115	5,03103	4,702798	4,370495	4,839314333	0,46881933	1,383976392	Gm5132
17513236	5,909611	5,983804	5,952613	6,341757	6,394666	6,516889	5,948676	6,417770667	0,46909467	1,384240544	---
17201439	4,579877	4,466698	4,968906	5,093464	5,142533	5,186992	4,671827	5,140996333	0,46916933	1,384312187	---
17203323	5,123487	5,048283	5,320328	5,639768	5,953244	5,307573	5,1640327	5,633528333	0,46949567	1,38462535	---
17201717	6,715962	6,21676	6,804945	7,185455	6,898046	7,063546	6,5792223	7,049015667	0,46979333	1,384911065	---
17201893	6,715962	6,21676	6,804945	7,185455	6,898046	7,063546	6,5792223	7,049015667	0,46979333	1,384911065	---
17487572	5,054149	4,752242	3,929139	4,844843	5,162099	5,138638	4,57851	5,048526667	0,47001667	1,38512547	Vmn1r129
17203479	7,177796	6,678986	7,310731	7,964911	7,224285	7,3892	7,0558377	7,526132	0,47029433	1,385392082	---
17209895	3,945221	3,930576	4,162005	4,240338	4,778938	4,429983	4,0126007	4,483086333	0,47048567	1,385575828	---
17200241	4,696346	6,13394	5,808429	6,060686	5,617856	6,372477	5,5462383	6,017006333	0,470768	1,385847009	---
17201511	5,72919	5,397125	5,498982	5,806011	6,204853	6,026959	5,5417657	6,012607667	0,470842	1,385918095	---
17407339	6,739623	6,679167	7,608774	7,384438	7,453428	7,602922	7,009188	7,480262667	0,47107467	1,386141624	---
17209521	5,374381	5,933997	5,884531	6,322109	5,994503	6,291973	5,7309697	6,202861667	0,471892	1,38692714	---
17207591	6,365496	6,393131	6,158432	7,170578	6,47753	6,68522	6,3056863	6,777776	0,47208967	1,387117179	---
17257045	5,398071	6,015886	4,346232	5,558316	6,893061	4,725449	5,2533963	5,725608667	0,47221233	1,387235125	---

17285227	3,730099	3,712782	3,5371	4,089508	4,053513	4,254055	3,6599937	4,132358667	0,472365	1,387381931	Prl2c5
17206145	3,0521	2,796041	2,784333	2,905101	3,493443	3,651848	2,8774913	3,350130667	0,47263933	1,387645771	---
17428872	7,085925	6,987038	7,412401	7,463702	7,747221	7,692477	7,161788	7,634466667	0,47267867	1,387683604	---
17204121	5,652846	4,815278	6,012864	6,637351	5,85529	5,406868	5,4936627	5,966503	0,47284033	1,387839115	---
17206425	3,512357	3,450015	3,614219	3,632142	4,2164	4,147537	3,5255303	3,998693	0,47316267	1,388149227	---
17210081	3,137577	3,278932	3,047793	3,018262	4,426515	3,43917	3,1547673	3,627982333	0,473215	1,388199582	---
17207423	3,994832	4,112525	5,338126	5,85992	3,897973	5,108882	4,4818277	4,955591667	0,473764	1,388727945	---
17206345	5,535402	5,210981	4,733558	5,495173	6,218712	5,187631	5,1599803	5,633838667	0,47385833	1,388818753	---
17203953	6,242386	5,513361	5,17631	6,283912	5,856062	6,213957	5,644019	6,117977	0,473958	1,388914701	---
17207771	3,919789	2,874651	2,730578	3,21765	4,210738	3,518504	3,175006	3,648964	0,473958	1,388914701	---
17283549	5,230633	5,80548	5,010023	6,017578	5,772672	5,678491	5,348712	5,822913667	0,47420167	1,389149304	Ifi27l2a
17384443	7,14318	7,83724	6,934931	7,83724	7,616096	7,886846	7,305117	7,780060667	0,47494367	1,389863948	---
17203259	3,309982	3,635297	4,002243	4,283955	4,23183	3,857187	3,649174	4,124324	0,47515	1,39006274	---
17473089	5,13402	4,733068	5,446823	5,324353	6,095581	5,319484	5,104637	5,579806	0,475169	1,390081047	---
17208863	5,679811	5,34275	4,648681	5,662521	5,970821	5,465417	5,2237473	5,699586333	0,475839	1,390726763	---
17203909	4,105105	5,032652	4,970808	4,796952	5,726933	5,012384	4,702855	5,178756333	0,47590133	1,390786852	---
17248486	3,413514	3,945804	4,406643	4,883747	4,25236	4,057669	3,921987	4,397925333	0,47593833	1,390822521	Mir103-1
17207483	6,754514	6,70548	7,139436	7,129748	7,516365	7,381413	6,8664767	7,342508667	0,476032	1,390912823	---
17207641	3,041624	2,950755	3,545879	3,763031	3,501293	3,703357	3,1794193	3,655893667	0,47647433	1,391339345	---
17205245	3,788274	5,367189	4,863218	5,771528	4,621104	5,05629	4,6728937	5,149640667	0,476747	1,39160233	---
17209435	3,788274	5,367189	4,863218	5,771528	4,621104	5,05629	4,6728937	5,149640667	0,476747	1,39160233	---
17516149	3,915218	4,027471	3,693272	4,290164	4,198879	4,577803	3,8786537	4,355615333	0,47696167	1,39180941	Olfr895
17207661	5,416585	5,374088	5,684659	6,492612	5,600316	5,813352	5,4917773	5,96876	0,47698267	1,39182967	---
17538779	8,194864	7,741614	7,132938	7,911023	7,935784	8,654118	7,6898053	8,166975	0,47716967	1,392010088	---
17539271	7,48742	7,570482	7,185207	7,727066	8,250998	7,696565	7,4143697	7,891543	0,47717333	1,392013626	Gpr64
17206553	4,107644	4,569042	5,156215	4,831146	5,956043	4,479148	4,610967	5,088779	0,477812	1,392629993	---
17202777	5,452736	4,679668	5,068876	5,291046	6,395453	4,948513	5,0670933	5,545004	0,47791067	1,392725239	---
17209995	3,994252	3,623793	3,734621	4,449882	5,062115	3,274614	3,784222	4,262203667	0,47798167	1,392793781	---
17209137	4,445167	3,677461	4,049808	4,113323	5,204907	4,289737	4,0574787	4,535989	0,47851033	1,393304256	---
17203575	4,774641	5,009745	5,012207	5,808402	5,172959	5,253464	4,9321977	5,411608333	0,47941067	1,394174037	---
17200835	3,694349	4,423892	4,01471	4,815709	4,413613	4,342142	4,044317	4,523821333	0,47950433	1,394264557	---
17202425	7,185312	6,37337	7,20192	7,486098	7,119213	7,595062	6,9202007	7,400124333	0,47992367	1,394669872	---
17202909	6,86308	6,199753	6,505867	7,085965	7,042709	6,879905	6,5229	7,002859667	0,47995967	1,394704674	---
17246057	8,800317	9,474581	9,022248	9,661431	9,491366	9,584677	9,0990487	9,579158	0,48010933	1,39484937	Hsd17b6
17208053	3,927668	5,157494	4,103427	4,974706	4,524327	5,130073	4,3961963	4,876368667	0,48017233	1,394910282	---
17209875	4,002917	4,571332	4,785629	5,027559	4,59779	5,175725	4,4532927	4,933691333	0,48039867	1,395129136	---
17208841	3,771087	4,452957	5,6997	5,083546	5,628229	4,653348	4,641248	5,121707667	0,48045967	1,395188126	---
17209005	6,382207	5,633838	5,72789	6,479173	6,766488	5,94088	5,914645	6,395513667	0,48086867	1,395583714	---
17209559	6,058499	6,99887	5,869493	6,616651	6,929355	6,824281	6,308954	6,790095667	0,48114167	1,395847824	---
17207263	5,560045	5,081302	5,564315	5,502409	6,346972	5,799711	5,4018873	5,883030667	0,48114333	1,395849436	---
17205455	5,919203	5,677301	5,85456	6,088276	6,518965	6,287258	5,8170213	6,298166333	0,481145	1,395851049	---
17202721	5,736158	6,077539	5,147642	6,481221	6,003103	5,920552	5,6537797	6,134958667	0,481179	1,395883945	---
17510585	5,43859	4,534406	4,291341	4,084911	5,523623	6,102194	4,754779	5,236909333	0,48213033	1,396804714	---
17202255	6,443883	6,532563	6,628139	6,932027	7,270178	6,849211	6,5348617	7,017138667	0,482277	1,396946723	---
17332932	5,139624	5,403666	5,568031	6,000361	5,693738	5,864055	5,3704403	5,852718	0,48227767	1,396947368	Sytl3
17207089	6,993928	7,07349	6,59919	7,568615	7,474951	7,070395	6,8888693	7,371320333	0,482451	1,397115216	---
17201637	7,086523	6,521039	7,432325	7,909484	7,630154	6,948018	7,0132957	7,495885333	0,48258967	1,397249508	---
17202011	4,679358	4,284794	4,25667	4,422976	4,878377	5,367301	4,4069407	4,889551333	0,48261067	1,397269846	---
17203885	6,15566	6,088247	6,050372	6,525433	6,87962	6,338837	6,098093	6,581296667	0,48320367	1,397844293	---
17205405	7,351604	6,997817	7,512022	7,872099	7,758798	7,680399	7,2871477	7,770432	0,48328433	1,397922454	---
17204663	5,655001	6,293284	6,082476	6,426795	6,596699	6,457308	6,0102537	6,493600667	0,483347	1,397983177	---
17204123	3,926204	4,344892	4,296957	4,902966	4,724204	4,390998	4,189351	4,672722667	0,48337167	1,39800708	---
17299898	5,017765	4,750839	4,781322	5,756366	5,032386	5,211352	4,8499753	5,333368	0,48339267	1,398027429	---
17207283	4,196016	5,901155	5,494088	5,664152	5,956546	5,4214	5,1970863	5,680699333	0,483613	1,398240957	---
17207699	4,890273	6,468812	5,500987	6,07109	5,348924	6,890965	5,620024	6,103659667	0,48363567	1,398262926	---
17284904	4,379982	4,355723	3,999413	4,58767	4,609612	4,989077	4,2450393	4,728786333	0,483747	1,398370834	---
17321318	9,818765	9,580038	9,55491	9,994715	10,35427	10,05746	9,6512377	10,13548167	0,484244	1,398852648	Fkbp11
17458954	4,421126	4,017197	3,570946	5,060876	4,320176	4,081209	4,0030897	4,487420333	0,48433067	1,398936683	Vmn1r15
17205773	5,644259	5,653862	5,754153	6,28267	6,100575	6,123582	5,6840913	6,168942333	0,484851	1,399441325	---
17206645	3,878584	3,664449	3,21523	3,450872	4,641033	4,12105	3,5860877	4,070985	0,48489733	1,39948627	---
17254176	7,841556	8,101362	7,49404	8,564554	8,359163	7,968514	7,8123193	8,297410333	0,485091	1,399674149	Slfn4
17487513	6,183696	6,086051	5,375153	6,176294	6,341743	6,583611	5,8816333	6,367216	0,48558267	1,400151236	Vmn1r94
17202155	3,499334	3,309126	3,970835	3,706066	4,450859	4,079864	3,5930983	4,078929667	0,48583133	1,40039259	---
17201381	6,033574	6,616591	6,72402	6,815334	6,898909	7,119284	6,4580617	6,944509	0,48644733	1,400990656	---
17207751	3,137501	3,242409	2,935143	3,88154	3,848241	3,047252	3,1050177	3,592344333	0,48732667	1,40184483	---
17207587	7,319045	7,072655	6,801076	7,702613	7,152325	7,800257	7,0642587	7,551731667	0,487473	1,401987027	---
17209669	4,883022	4,022459	4,036891	4,576281	4,923679	4,905661	4,314124	4,801873667	0,48774967	1,402255913	---
17201173	6,597137	6,68125	4,958449	5,999164	6,424788	7,276249	6,0789453	6,566733667	0,48778833	1,402293496	---
17385099	5,57142	5,690586	5,547618	5,615801	6,886375	5,772326	5,603208	6,091500667	0,48829267	1,402783792	Neb
17230087	7,674251	7,879375	7,323164	8,45999	7,99506	7,887224	7,6255967	8,114091333	0,48849467	1,402980218	Ifi203
17208339	4,751952	5,109533	5,313072	5,89661	6,118431	4,625505	5,0581857	5,546848667	0,488663	1,403143927	---
17278838	4,121364	3,730106	3,864491	3,975072	4,768861	4,438057	3,9053203	4,393996667	0,48867633	1,403156894	Mir376b
17208023	5,081968	3,597284	3,845177	4,057159	5,425657	4,508637	4,1748097	4,663817667	0,489008	1,403479509	---
17204307	5,935479	5,220376	5,248167	6,673298	5,830571	5,369627	5,4680073	5,957832	0,48982467	1,404274201	---
17205815	6,338162	7,614554	7,164432	7,655445	7,657965	7,274036	7,0390493	7,529148667	0,49009333	1,404541579	---
17200173	3,667841	4,55605	5,315854	5,112982	5,165136	4,734365	4,5132483	5,004161	0,49091267	1,405333626	---
17237547	7,793913	7,605765	7,372986	8,10188	7,917358	8,226988	7,590888	8,082075333	0,49118733	1,405601205	Cpm
17200003	5,458784	6,258653	5,652094	6,143416	6,338249	6,361826	5,7898437	6,281163667	0,49132	1,405730467	---
17239070	6,022794	6,030055	5,640241	6,200312	6,480136	6,489224	5,8976967	6,389890667	0,492194	1,406582331	BC020402
17201459	5,10978	5,836271	5,675519	6,106597	5,694202	6,297695	5,5405233	6,032831333	0,492308	1,406693482	---
17210353	6,821075	7,598188	8,030316	8,178675	8,128438	7,619448	7,483193	7,975520333	0,49232733	1,406712333	---
17208861	3,894903	4,790357	3,527717	4,729906	4,688039	4,272124	4,0709923	4,563356333	0,492364	1,406748086	---
17200029	4,850653	4,27569	5,424943	5,283024	5,325455	5,421757	4,8504287	5,343412	0,49298333	1,407352117	---
17274574	8,708133	8,879132	8,6896	9,232658	9,344855	9,178926	8,758955	9,252146333	0,49319133	1,407555036	Kidins220
17205417	5,887302	5,865547	6,273875	6,693262	6,719237	6,096385	6,008908	6,502961333	0,49405333	1,408396291	---
17214368	8,994278	9,208438	8,871727	9,390217	9,717457	9,452164	9,0248143	9,519946	0,49513167	1,409449382	Cyp27a1
17210147	7,010515	6,231272	6,704037	7,167485	6,899305	7,365724	6,648608	7,144171333	0,49556333	1,409871164	---
17207721	4,242929	5,407681	4,840232	5,346615	5,432288	5,199388	4,8302807	5,326097	0,49581633	1,41011843	---
17447101	7,409576	7,126069	7,288682	7,880737	8,200597	7,23063	7,2747757	7,770654667	0,495879	1,410179683	---
17357223	8,795569	9,228069	9,44126	9,860085	9,44644	9,646297	9,154966	9,650940667	0,49597467	1,410273196	---
17485952	3,953424	3,859929	3,782049	4,196776	4,375172	4,512602	3,865134	4,361516667	0,49638267	1,410672084	Isoc2b
17438494	4,659667	3,964801	4,25964	5,148175	4,662306	4,564219	4,2947027	4,791566667	0,496864	1,411142812	Mir5098
17280292	5,963928	5,331717	5,693649	6,40754	6,228445	5,845452	5,663098	6,160479	0,497381	1,411648595	---
17208659	7,789222	7,184506	8,104591	8,453519	8,001225	8,116639	7,692773	8,190461	0,497688	1,411949021	---
17200079	4,23316	4,679699	4,584774	4,914155	4,764	5,314055	4,499211	4,997403333	0,49819233	1,412442692	---
17202849	4,950947	5,459435	5,605711	6,094198	5,742314	5,674396	5,3386977	5,836969333	0,49827167	1,412520364	---
17540902	7,010651	5,626571	4,26065	6,41259	5,848022	6,132831	5,632624	6,131147667	0,49852367	1,412767115	LOC100862389 // Gm2964
17434023	9,077486	9,445865	8,416947	9,780989	9,418703	9,23694	8,9800993	9,478877333	0,498778	1,413016194	Isg15
17207629	6,172221	6,258043	5,919331	6,565756	6,967324	6,313569	6,1165317	6,615549667	0,499018	1,413251276	---
17374208	3,630233	3,941322	3,587664	4,415585	4,214712	4,026062	3,7197397	4,218786333	0,49904667	1,413279358	Olfr1302
17305446	4,873126	4,715263	4,171759	4,931743	5,119849	5,206328	4,586716	5,085973333	0,49925733	1,413485745	Gm3141
17204205	3,216632	3,987791	3,413478	3,835288	3,927281	4,353255	3,5393003	4,038608	0,49930767	1,41353506	---
17278878	3,747452	3,766768	4,086032	4,234925	4,383677	4,480359	3,8667507	4,366320333	0,49956967	1,413791788	Mir154
17202175	4,803408	4,861812	4,537863	5,33219	4,795013	5,574764	4,734361	5,233989	0,499628	1,413848953	---
17341150	7,048739	6,728121	7,236997	7,484436	7,593136	7,435293	7,004619	7,504288333	0,49966933	1,413889461	Gm3417
17210307	4,812325	4,887108	5,784446	5,864879	5,009768	6,111951	5,161293	5,662199333	0,50090633	1,415102282	---
17204955	4,565971	3,819744	4,411266	4,820088	4,879763	4,600167	4,2656603	4,766672667	0,50101233	1,415206259	---
17332335	8,415149	7,410159	7,435734	7,686632	8,635365	8,442178	7,7536807	8,254725	0,50104433	1,415237649	---
17204671	5,830089	5,300159	5,017079	5,840978	5,233546	6,576147	5,3824423	5,883557	0,50111467	1,415306646	---
17489249	6,611981	6,452785	6,242442	7,02375	6,886287	6,900921	6,435736	6,936986	0,50125	1,415439416	---
17200891	4,197193	3,647743	3,53161	3,859925	4,765496	4,25489	3,792182	4,293437	0,501255	1,415444322	---
17200573	5,191544	5,751417	6,29134	6,519274	6,390473	5,828467	5,744767	6,246071333	0,50130433	1,415492724	---
17207893	5,245654	5,435661	5,046743	6,305589	5,625153	5,301826	5,242686	5,744189333	0,50150333	1,415687985	---
17441051	6,184082	6,503947	6,011899	6,958272	6,763448	6,48498	6,2333093	6,735566667	0,50225733	1,416428064	Oasl1
17204227	4,929964	5,246828	5,839659	5,429621	6,393896	5,700005	5,338817	5,841174	0,502357	1,416525919	---
17209751	7,132938	6,229296	6,593996	7,935297	6,542268	6,987745	6,6520767	7,155103333	0,50302667	1,417183591	---
17294023	5,510455	5,540288	5,355866	5,68651	6,214791	6,015987	5,4688697	5,972429333	0,50355967	1,417707263	Zfp738
17204995	4,336243	4,041354	4,362179	4,519336	5,426397	4,304801	4,246592	4,750178	0,503586	1,41773314	---
17203219	3,685014	4,132737	3,379297	4,851727	4,266112	3,590051	3,7323493	4,235963333	0,503614	1,417760656	---
17424217	3,499334	3,11508	3,415282	3,911103	3,744872	3,885293	3,343232	3,847089333	0,50385733	1,417999804	---
17207819	5,478153	6,260396	6,140276	6,370639	6,622031	6,397918	5,9596083	6,463529333	0,503921	1,418062382	---
17207375	3,698612	3,646629	3,996873	3,949466	4,249211	4,655633	3,7807047	4,28477	0,50406533	1,418204258	---
17208731	4,066296	4,387508	3,957577	5,229051	3,957754	4,736847	4,137127	4,641217333	0,50409033	1,418228834	---
17206555	4,227361	5,503137	5,486216	5,966977	5,32406	5,439673	5,072238	5,576903333	0,50466533	1,418794196	---
17202877	4,962491	5,071198	4,679778	5,511878	5,516459	5,199776	4,904489	5,409371	0,504882	1,419007289	---
17353230	6,064262	5,668051	5,623769	6,361797	6,108399	6,400748	5,7853607	6,290314667	0,504954	1,419078108	---
17205683	5,437063	4,597743	3,114603	4,654041	5,302687	4,708043	4,3831363	4,888257	0,50512067	1,419242056	---
17276660	3,744719	3,449235	3,87463	4,165067	4,656649	3,762397	3,689528	4,194704333	0,50517633	1,419296819	---
17455951	3,952842	3,575531	3,782001	4,125212	4,380422	4,32048	3,7701247	4,275371333	0,50524667	1,419366013	Gm19272
17538405	4,908308	4,73933	5,098383	5,62525	5,659613	4,977632	4,9153403	5,420831667	0,50549133	1,419606744	---
17208773	6,549801	6,237573	6,748486	7,260733	7,245281	6,548146	6,5119533	7,018053333	0,5061	1,420205796	---
17208573	4,341437	4,01034	4,075339	4,335527	4,720295	4,889813	4,142372	4,648545	0,506173	1,42027766	---
17209543	5,808507	5,064913	5,598617	5,764673	6,182292	6,04367	5,490679	5,996878333	0,50619933	1,420303585	---
17203805	6,312885	5,578225	6,335343	6,688342	6,664067	6,392734	6,0754843	6,581714333	0,50623	1,420333776	---

17457911	5,683956	5,934712	5,52352	6,245384	6,430346	5,986398	5,7140627	6,220709333	0,50664667	1,420744043	---
17209573	3,989644	4,235717	4,138377	4,701115	5,030809	4,151935	4,121246	4,627953	0,506707	1,42080346	---
17293517	4,587142	4,774899	4,962351	4,900616	5,38821	5,55598	4,7747973	5,281602	0,50680467	1,420899648	6720489N17Rik
17207291	6,646996	5,31165	6,445587	6,590497	6,67732	6,656894	6,1347443	6,641570333	0,506826	1,420920659	---
17200259	4,304819	4,683948	5,28739	5,283219	5,31018	5,203665	4,758719	5,265688	0,506969	1,421061508	---
17204635	6,193632	5,974602	5,235385	7,252872	6,595272	5,078325	5,8012063	6,308823	0,50761667	1,421699606	---
17448001	8,557525	8,047104	8,174085	8,856681	8,852523	8,592668	8,2595713	8,767290667	0,50771933	1,421800782	Ppargc1a
17206439	4,052059	4,411765	3,446679	4,523136	4,426358	4,484469	3,9701677	4,477987667	0,50782	1,421899994	---
17344558	8,825971	9,163535	8,657828	9,592406	9,268257	9,31109	8,8824447	9,390584333	0,50813967	1,422215088	H2-T24 // H2-T24
17330044	3,521932	3,510092	3,528191	3,846385	4,298119	3,940589	3,5200717	4,028364333	0,50829267	1,422365924	---
17448741	7,199886	7,078828	6,285836	7,437586	7,243382	7,409576	6,85485	7,363514667	0,50866467	1,422732729	---
17207873	6,1559	4,922716	5,288406	5,725807	6,370679	5,796602	5,455674	5,964362667	0,50868867	1,422756398	---
17204985	5,319737	5,018532	5,683985	5,78101	5,82539	5,942125	5,3407513	5,849508333	0,508757	1,422823788	---
17209553	4,706142	4,745068	4,482483	4,822387	5,004863	5,632722	4,6445643	5,153324	0,50875967	1,422826418	---
17338468	2,939525	2,688443	2,73623	3,087451	3,09732	3,70587	2,788066	3,296880333	0,50881433	1,422880333	---
17210493	3,028434	2,820323	2,793243	3,094088	3,698285	3,37612	2,8806667	3,389497667	0,508831	1,422896771	---
17202875	3,185528	3,123178	2,780137	3,123178	4,000248	3,494044	3,0296143	3,539156667	0,50954233	1,423598515	---
17420440	5,305628	6,513268	7,039476	7,128622	6,544696	6,713958	6,286124	6,795758667	0,50963467	1,423689629	---
17550416	5,600008	5,739661	5,80063	6,658384	5,924268	6,08709	5,713433	6,223247333	0,50981433	1,42386694	---
17201393	4,019991	4,578633	4,023785	4,622142	4,920715	4,60997	4,2074697	4,717609	0,51013933	1,424187735	---
17382729	9,343746	9,107633	9,040098	9,136168	10,17392	9,713622	9,1638257	9,67457	0,51074433	1,424785099	Tmem141
17284614	4,360454	4,849149	4,505246	4,99188	5,422331	4,833074	4,5716163	5,082428333	0,510812	1,424851927	Ighg3 // Ighg3
17210623	5,238533	5,164009	3,936805	4,667399	5,839297	5,36541	4,7797823	5,290702	0,51091967	1,424958266	---
17210707	7,476108	7,131144	6,783025	7,478382	7,443759	8,001458	7,1300923	7,641199667	0,51110733	1,425143638	---
17464530	6,175238	6,621255	6,300651	7,266082	6,727968	6,636584	6,3657147	6,876878	0,51116333	1,425198958	Gm20559
17202275	6,162215	6,598082	6,469287	6,968847	6,543555	7,254261	6,4098613	6,922221	0,51235967	1,426381273	---
17207707	3,132289	3,807189	3,185752	3,647845	4,562222	3,453408	3,3750767	3,887825	0,51274833	1,426765596	---
17202731	3,22662	4,222969	4,022046	5,076974	4,514881	3,418054	3,8238783	4,336636333	0,512758	1,426775156	---
17204887	5,447366	5,21901	5,714963	6,219066	6,085975	5,614839	5,4604463	5,973293333	0,512847	1,426863177	---
17205491	6,078183	6,193113	5,82743	6,74398	6,740998	6,15232	6,0329087	6,545766	0,51285733	1,426873397	---
17378304	8,485917	8,988747	7,801041	8,952319	8,968729	8,897408	8,425235	8,939485333	0,51425033	1,428251785	---
17207229	6,440358	5,677397	6,694848	7,239058	6,800067	6,31913	6,2708677	6,786085	0,51521733	1,429209425	---
17425043	6,652802	6,854191	6,53459	7,081778	7,310445	7,196549	6,6805277	7,196257333	0,51572967	1,42971706	Trim14
17205415	6,427002	6,902185	5,922076	7,0088	6,97095	6,818724	6,4170877	6,932824667	0,515737	1,429724327	---
17204583	5,871844	5,544046	6,141723	6,296142	6,629674	6,179491	5,8525377	6,368435667	0,515898	1,429883889	---
17209909	4,045149	4,699538	4,496069	4,764719	5,403666	4,62183	4,4135853	4,930071667	0,51648633	1,430467116	---
17340657	9,520302	9,196289	9,675917	10,08334	9,852552	10,00696	9,4641693	9,980950667	0,51678133	1,430759646	Gm9992
17206853	6,209898	7,518949	6,726892	7,798153	7,014796	7,193847	6,8185797	7,335598667	0,517019	1,430995366	---
17203605	5,496122	5,649772	5,651646	5,858881	6,368335	6,121503	5,59918	6,116239667	0,51705967	1,431035703	---
17203369	6,59145	7,235425	7,738239	7,40665	8,1861	7,523732	7,1883713	7,705494	0,51712267	1,431098195	---
17203401	4,894069	4,729109	4,337158	5,187943	4,809583	5,514816	4,6534453	5,170780667	0,51733533	1,431309168	---
17550372	4,637282	4,373306	4,063201	4,620992	5,025768	4,979871	4,3579297	4,875543667	0,517614	1,431585662	---
17206619	4,800371	4,769646	4,800609	5,520335	5,05915	5,344465	4,7902087	5,307983333	0,51777467	1,431745101	---
17202427	5,392447	4,952895	5,072314	5,576319	5,276572	6,118416	5,1392187	5,657102333	0,51788367	1,431853277	---
17328715	5,618317	6,083817	5,680773	6,062595	6,403323	6,470936	5,7943023	6,312284667	0,51798233	1,431951206	---
17203409	2,60105	3,656368	3,377902	4,005215	3,475488	3,708901	3,2117733	3,729868	0,51809467	1,432062707	---
17203975	5,662374	6,287734	6,265548	6,481745	6,838692	6,450748	6,0718853	6,590395	0,51850967	1,432474708	---
17467451	5,371102	6,166737	6,41861	6,767168	6,165695	6,579936	5,985483	6,504266333	0,51878333	1,432746462	---
17202839	6,096309	5,96207	5,170046	6,091384	6,439095	6,254312	5,7428083	6,261597	0,51878867	1,432751758	---
17534820	5,157246	4,154596	3,741931	5,364449	4,406904	4,838949	4,3512577	4,870100667	0,518843	1,432805718	Gm16404
17207577	4,279142	3,928419	3,621681	5,122907	4,143759	4,11917	3,9430807	4,461945333	0,51886467	1,432827236	---
17487659	5,171634	5,128526	4,584092	5,480511	5,415698	5,545485	4,9614173	5,480564667	0,51914733	1,433107997	Gm4567
17550446	9,092354	9,215263	9,161616	9,667319	9,745863	9,620702	9,156411	9,677961333	0,52155033	1,435497018	---
17546080	8,855933	8,359418	9,029469	9,248095	9,23018	9,331421	8,7482733	9,269898667	0,52162533	1,435571645	---
17209507	5,484967	5,840383	5,357079	6,060061	5,97689	6,210626	5,5608097	6,082525667	0,521716	1,435661867	---
17210763	4,582632	5,180209	3,971459	5,232851	4,627614	5,439251	4,5781	5,099905333	0,52180533	1,435750768	---
17207439	6,430794	6,667387	6,428809	6,834138	7,345654	6,913662	6,5089967	7,031151333	0,52215467	1,436098462	---
17347279	5,62159	4,985465	5,344268	5,825267	5,984458	5,70902	5,3171077	5,839581667	0,522474	1,43641637	---
17538805	8,611719	8,711455	9,121159	9,305732	9,376534	9,329844	8,8147777	9,33737	0,52259233	1,436534193	---
17205649	3,236442	3,228853	3,265594	3,779463	3,989419	3,529834	3,2436297	3,766238667	0,522609	1,436550789	---
17210023	6,435728	5,93397	5,481317	6,471892	6,619593	6,327364	5,9503383	6,472949667	0,52261133	1,436553112	---
17485246	5,726981	6,01159	6,368125	5,969267	7,611393	6,09462	6,0355653	6,558426667	0,52286133	1,43680207	Tnnt3
17203901	3,775833	4,303246	4,26852	4,617104	4,794476	4,508924	4,1158663	4,640168	0,52430167	1,438237236	---
17278814	4,589679	4,675594	4,760137	5,437447	5,232822	4,928806	4,6751367	5,199691667	0,524555	1,438489809	Mir323
17207615	6,162409	5,629611	5,941604	6,838508	6,530075	5,939166	5,911208	6,435916333	0,52470833	1,438642703	---
17349715	8,772708	9,286769	8,688325	9,441719	9,586405	9,295127	8,915934	9,441083667	0,52514967	1,439082864	Eif4ebp3
17208833	5,311953	4,291446	4,727504	5,270559	4,89997	5,737043	4,7769677	5,302524	0,52555633	1,43948857	---
17207657	4,854001	5,054607	4,636759	5,096312	5,48361	5,542406	4,8484557	5,374109333	0,52565367	1,43958569	---
17519238	5,053537	5,308457	5,372473	5,709273	5,818071	5,786924	5,2448223	5,771422667	0,52660033	1,440530626	Pygo1
17202003	5,213774	5,362838	5,23574	5,642006	5,866904	5,883668	5,270784	5,797526	0,526742	1,440672088	---
17202257	6,459099	6,32358	6,415109	7,08586	6,883518	6,809416	6,3992627	6,926264667	0,527002	1,440931746	---
17207413	5,129269	5,59912	5,268985	4,787366	6,344867	6,447321	5,332458	5,859851333	0,52739333	1,441322654	---
17210683	7,099447	6,111643	6,32659	7,228678	7,19316	6,698103	6,51256	7,039980333	0,52742033	1,441349629	---
17203307	5,844517	4,534964	4,677707	5,459188	5,332494	5,848687	5,0190627	5,546789667	0,527727	1,441656042	---
17205447	6,169614	6,367263	4,93356	5,829087	6,596566	6,63065	5,823479	6,352101	0,528622	1,442550675	---
17210483	4,109819	3,475188	3,797633	4,467973	3,943003	4,557816	3,7942133	4,322930667	0,52871733	1,442646002	---
17206813	4,397402	4,403799	4,520408	5,386084	4,73323	4,789644	4,4405363	4,969652667	0,52911633	1,443045044	---
17327557	5,51911	6,370589	5,544909	7,08054	6,021464	5,920483	5,811536	6,340829	0,529293	1,443221764	Mx2
17386778	4,887273	4,75226	5,036882	4,784147	6,514581	4,967162	4,8921383	5,421963333	0,529825	1,443754056	Ttn
17532615	9,64667	9,373047	9,349503	10,04841	9,99294	9,923525	9,4564067	9,988291667	0,531885	1,445817041	---
17452054	6,890781	6,969972	6,451239	7,762753	7,305367	6,839529	6,770664	7,302549667	0,53188567	1,445817709	Oas2
17207653	5,114299	4,343019	4,895742	4,921915	5,892239	5,135207	4,7843533	5,316453667	0,53210033	1,446032857	---
17209017	3,349843	3,314664	3,555763	4,210497	4,016053	3,592262	3,4067567	3,939604	0,53284733	1,446781779	---
17209755	5,463297	4,390279	4,85324	4,735762	6,317364	5,253032	4,902272	5,435386	0,533114	1,447049225	---
17257906	7,360069	7,285604	7,224395	8,013058	7,820654	7,636384	7,2900227	7,823365333	0,53334267	1,4472786	Map2k6
17441759	5,492491	5,920007	5,443168	6,703986	5,748073	6,004423	5,6185553	6,152160667	0,53360533	1,447542126	Oas1b
17200663	3,684372	3,515926	4,024887	4,301524	4,15008	4,374961	3,7417283	4,275521667	0,53379333	1,447730769	---
17208195	5,941668	6,01581	5,855138	6,154115	6,272995	6,987038	5,9375387	6,471382667	0,533844	1,447781614	---
17207363	3,448987	3,409915	3,695498	3,734457	4,467146	3,955249	3,5181333	4,052284	0,53415067	1,448089395	---
17206525	3,640221	4,400764	3,265775	4,010269	4,827523	4,071893	3,76892	4,303228333	0,53430833	1,448247659	---
17202293	6,58495	6,340179	7,039767	7,397267	7,051097	7,120008	6,6549653	7,189457333	0,534492	1,448432045	---
17462145	11,33499	10,98107	10,84187	11,45199	11,78598	11,52427	11,052643	11,58741333	0,53477	1,448711177	8430408G22Rik
17207357	4,235803	3,567688	4,547683	4,689248	4,681144	4,585451	4,117058	4,651947667	0,53488967	1,448831348	---
17481213	3,62141	3,758602	4,005577	4,396947	4,548118	4,045811	3,7951963	4,330292	0,53509567	1,449038239	Olfr615
17230014	5,033404	4,725449	4,794018	6,214404	4,863165	5,080956	4,850957	5,386175	0,535218	1,449161115	BC094916
17477288	3,788274	3,584869	4,237761	3,964711	4,870692	4,381766	3,8703013	4,405723	0,53542167	1,449365709	Klk1b7-ps
17414057	6,193834	5,936001	5,67962	6,876953	6,156741	6,382043	5,936485	6,471912333	0,53542733	1,449371402	---
17278858	5,862889	5,999499	6,163238	6,270591	6,798178	6,563553	6,008542	6,544107333	0,53556533	1,449510047	Mir485
17293974	4,409173	4,659578	4,94496	4,480782	5,129149	6,011303	4,671237	5,207078	0,535841	1,449787042	Zfp874a
17207605	4,998207	5,424301	5,283027	5,649432	5,910846	5,753138	5,2351783	5,771138667	0,53596033	1,449906967	---
17203303	2,765093	2,774894	3,360069	3,269834	3,744872	3,494044	2,9666853	3,502916667	0,53623133	1,450179348	---
17464654	8,07263	7,841578	8,142288	8,497887	8,65453	8,5156	8,018832	8,556005667	0,53717367	1,451126879	Pdk4
17391565	5,950702	5,998697	5,78567	7,145868	6,156382	6,045242	5,9116897	6,449164	0,53747433	1,451429334	Il1b
17204807	4,371135	4,301945	4,763686	5,163831	4,930853	4,95676	4,478922	5,017148	0,538226	1,452185749	---
17208809	5,949347	4,875532	4,641187	5,953828	5,982216	5,144701	5,1553553	5,693581667	0,53822633	1,452186084	---
17246850	5,201205	5,974667	5,464075	6,122734	6,097287	6,038435	5,546649	6,086152	0,539503	1,453471719	Zmat5
17457785	3,438127	3,016232	3,651544	3,98141	4,210301	3,532936	3,3686343	3,908215667	0,53958133	1,453550639	---
17200751	3,212013	2,844795	3,235785	3,760135	3,303675	3,84756	3,097531	3,637123333	0,53959233	1,453561722	---
17207521	6,147467	5,958021	5,932823	7,081716	6,020725	6,55499	6,0127703	6,552477	0,53970667	1,453676921	---
17210671	4,806123	4,789781	4,613819	5,485556	4,389163	5,955285	4,7365743	5,276668	0,54009367	1,454066919	---
17547988	7,583241	7,662651	7,786325	8,694567	7,941841	8,016129	7,6774057	8,217512333	0,54010667	1,454080022	Gm19270
17205501	3,326814	4,471068	4,077867	5,435662	4,320177	3,742413	3,958583	4,499417333	0,54083433	1,454813616	---
17210441	4,237325	3,607103	4,566823	5,286607	4,780959	3,967322	4,1370837	4,678296	0,54121233	1,455194841	---
17468467	5,210859	5,337192	5,109802	5,674276	5,647239	5,962128	5,2192843	5,761214333	0,54193	1,455918906	---
17203355	3,35013	2,883081	3,757074	3,586779	4,348635	3,6822	3,330095	3,872538	0,542443	1,4564367	---
17202313	6,423839	6,508061	5,391547	6,761841	6,525052	6,675089	6,1078157	6,653994	0,54617833	1,460212498	---
17200119	4,576132	5,378162	5,343593	6,016743	5,395048	5,525354	5,0992957	5,645715	0,54641933	1,460456445	---
17202743	8,344198	7,919747	8,27389	8,786198	8,724522	8,667752	8,1792783	8,726157333	0,546879	1,460921845	---
17208257	5,939132	5,599843	5,876428	6,075551	6,544053	6,437156	5,8051343	6,352253333	0,547119	1,461164897	---
17538815	8,519067	8,957649	8,665413	9,378703	9,44644	8,960065	8,714043	9,261736	0,547693	1,461746361	---
17448802	7,222603	7,350395	7,648814	7,880737	7,761696	8,223302	7,4072707	7,955245	0,54797433	1,462031437	---
17200245	4,520453	5,097623	3,914151	4,981038	5,43939	4,756032	4,5107423	5,05882	0,54807767	1,46213616	---
17235511	7,873952	7,791594	7,568151	8,167526	8,589365	8,121539	7,7445657	8,29281	0,54824433	1,462305082	Gadd45b
17206591	5,532223	4,542184	4,396382	5,352662	5,784969	4,979566	4,8235963	5,372399	0,54880267	1,462871114	---
17202493	5,60489	5,021599	4,282347	5,394538	5,449667	5,712138	4,969612	5,518781	0,549169	1,463242618	---
17532629	7,943939	7,854533	7,6782	8,651103	8,359715	8,1141	7,8255573	8,374972667	0,54941533	1,463492481	---
17278690	4,647634	4,813497	4,757102	5,241647	5,707723	4,917903	4,739411	5,289091	0,54968	1,463760987	Mir493 // Mir493
17255992	4,276423	4,842566	4,621378	5,276626	5,221568	4,891725	4,5801223	5,129973	0,54985067	1,463934156	Pnmt
17434973	5,846839	5,879056	5,753533	6,550128	6,314883	6,264106	5,826476	6,376372333	0,54989633	1,463980496	Sema3c
17204537	4,609669	4,680275	4,57071	5,240713	5,162074	5,10768	4,620218	5,170155667	0,54993767	1,46402244	---
17202179	3,605339	5,597164	5,471931	5,72318	5,09313	5,509595	4,891478	5,441968333	0,55049033	1,464583384	---
17203119	5,178578	4,599044	6,428235	6,683959	5,151416	6,022748	5,4019523	5,952707667	0,55075533	1,464852429	---
17204465	6,129944	5,253748	5,339942	6,303356	5,147976	6,926711	5,5745447	6,126014333	0,55146967	1,465577913	---
17208935	7,233076	7,364803	7,531116	8,272908	7,767694	7,742865	7,3763317	7,927822333	0,55149067	1,465599246	---

17206755	5,961496	6,089943	6,038779	6,989513	6,304619	6,45058	6,0300727	6,581570667	0,551498	1,465606696	---
17200877	5,371813	5,046082	4,957427	5,604312	5,844598	5,584263	5,1251073	5,677724333	0,552617	1,466743908	---
17204481	5,016186	5,153119	4,843407	6,173803	5,172567	5,324504	5,0042373	5,556958	0,55272067	1,466849307	---
17550576	7,761966	7,807381	7,422034	8,503677	7,980362	8,165778	7,6637937	8,216605667	0,552812	1,466942172	---
17205703	4,151002	3,920388	4,246786	4,857549	4,780365	4,338874	4,1060587	4,658929333	0,55287067	1,467001826	---
17448743	8,545049	8,45747	8,593162	8,880671	9,271125	9,104218	8,5318937	9,085338	0,55344433	1,467585274	---
17400599	10,66416	10,47149	10,45123	11,18157	11,39174	10,67409	10,52896	11,08246667	0,55350667	1,467648684	Txnip
17200325	7,749167	7,582009	7,937818	7,936542	8,522103	8,47183	7,7563313	8,310158333	0,553827	1,467974594	---
17536988	5,774101	6,041071	5,814988	6,50564	6,439659	6,349717	5,87672	6,431672	0,554952	1,469119753	---
17210363	4,46192	4,555048	4,681094	5,206285	4,698014	5,459919	4,5660207	5,121406	0,55538533	1,46956109	---
17428869	3,105647	3,694432	3,744872	2,738905	5,164009	4,308971	3,5149837	4,070628333	0,55564467	1,469825276	---
17205207	5,180743	5,311328	4,818577	5,767373	5,371192	5,839097	5,1035493	5,659220667	0,55567133	1,469852445	---
17209397	5,180743	5,311328	4,818577	5,767373	5,371192	5,839097	5,1035493	5,659220667	0,55567133	1,469852445	---
17200401	4,285989	4,279853	4,135497	4,348542	5,007082	5,012932	4,2337797	4,789518667	0,555739	1,469921387	---
17203197	4,326186	5,074978	4,663666	5,212511	5,620589	4,899722	4,6882767	5,244274	0,55599733	1,470184619	---
17200845	3,739756	3,877251	4,435425	4,406613	5,105584	4,212254	4,0174773	4,574817	0,55733967	1,471553166	---
17307548	4,636025	4,728444	5,09081	5,375758	5,505334	5,249204	4,8184263	5,376765333	0,558339	1,472572842	---
17209189	5,321312	5,711034	5,711034	6,224255	6,241362	5,952832	5,5811267	6,139483	0,55835633	1,472590535	---
17208963	4,451824	3,287776	4,669092	4,663217	4,504324	4,918142	4,1362307	4,695227667	0,558997	1,473244622	---
17200611	3,409109	3,480579	4,404184	4,743959	4,193131	4,034502	3,764624	4,323864	0,55924	1,473492789	---
17241954	7,834557	7,705626	7,168863	7,75172	8,340603	8,294453	7,569682	8,128925333	0,55924333	1,473496193	Gstt2
17203081	5,955045	5,785304	5,978888	6,292284	6,280278	6,825804	5,9064123	6,466122	0,55970967	1,47397256	---
17284445	6,102454	6,339615	5,45928	6,281612	6,51125	6,789275	5,9671163	6,527379	0,56026267	1,474537657	---
17201503	4,304772	3,728974	3,79952	4,832199	4,377144	4,304928	3,944422	4,504757	0,560335	1,474611589	---
17214948	7,871612	8,035927	7,232787	8,540314	8,298764	7,983932	7,713442	8,274336667	0,56089467	1,475183748	Sp100
17208807	3,782291	3,169897	2,900657	3,745393	3,833862	3,956381	3,2842817	3,845212	0,56093033	1,475220218	---
17327830	5,631446	5,688852	5,915617	6,256734	6,592022	6,07087	5,745305	6,306542	0,561237	1,475533832	Fam100a
17205635	4,716047	4,542524	4,32677	4,841554	5,080064	5,347455	4,528447	5,089691	0,561244	1,475540991	---
17210003	5,185288	4,40285	4,602125	5,458043	5,177213	5,238953	4,7300877	5,291403	0,56131533	1,47561395	---
17278757	8,355175	8,640933	8,417692	9,332938	8,712132	9,053094	8,4712667	9,032721333	0,56145467	1,47575647	---
17210169	3,955886	4,978883	4,745658	4,927505	5,015438	5,422454	4,5601423	5,121799	0,56165667	1,475963113	---
17209641	5,432341	5,391991	5,299224	5,552835	6,107638	6,148674	5,3745187	5,936382333	0,56186367	1,476174902	---
17202657	3,410989	3,306693	3,942913	3,787681	3,97785	4,581976	3,5535317	4,115835667	0,562304	1,476625523	---
17316120	6,259803	6,334308	6,195786	6,722146	6,767495	6,989077	6,263299	6,826239333	0,56294033	1,477276965	Cdh6
17203251	3,631174	4,148104	3,474634	4,234931	4,61283	4,098571	3,751304	4,315444	0,56414	1,478505899	---
17507361	6,783146	6,306825	6,337835	7,254902	7,086052	6,779945	6,4759353	7,040299667	0,56436433	1,478735819	B930025P03Rik
17207449	5,50987	4,779257	5,500594	6,140129	5,599008	5,744534	5,2632403	5,827890333	0,56465	1,479028651	---
17203003	7,050773	6,66822	7,04371	7,646415	7,263174	7,548347	6,920901	7,485978667	0,56507767	1,479467153	---
17205951	5,720432	5,353124	5,528946	5,599029	6,948163	5,751871	5,5341673	6,099687667	0,56552033	1,479921173	---
17434524	8,028508	7,724753	7,247569	7,755666	8,923651	8,019256	7,6669433	8,232857667	0,56591433	1,480325394	Abcb1a
17261608	5,806398	5,827227	5,971974	7,046611	5,927435	6,330013	5,868533	6,434686333	0,56615333	1,480570648	Gabrp
17205517	5,890181	4,383196	5,123312	6,679908	4,943177	5,472167	5,1322297	5,698417333	0,56618767	1,480605884	---
17525892	6,640156	6,752532	6,338597	7,115048	7,318971	6,996208	6,577095	7,143409	0,566314	1,480735542	---
17207219	6,335357	6,173541	6,207864	6,929305	6,620313	6,866305	6,2389207	6,805307667	0,566387	1,480810469	---
17206797	3,898174	3,212733	3,959823	4,335134	4,222543	4,212383	3,6902433	4,256686667	0,56644333	1,480868292	---
17203483	3,959137	4,274594	4,665464	5,290717	4,577748	4,732658	4,2997317	4,867041	0,56730933	1,481757473	---
17206811	4,36297	4,286964	4,822088	4,544554	5,340974	5,291356	4,490674	5,058961333	0,56828733	1,482762294	---
17243910	4,327177	4,673766	4,915248	4,757006	6,211382	4,652755	4,6387303	5,207047667	0,56831733	1,482793127	Mybpc1
17290927	8,150704	8,295486	8,778696	9,34064	8,855455	8,734219	8,4082953	8,976771333	0,568476	1,482956213	---
17208787	5,427344	6,108467	5,735232	6,466614	6,469022	6,041006	5,7570143	6,325547333	0,568533	1,483014805	---
17202997	5,396221	5,469906	6,182419	6,424955	5,634501	6,695377	5,6828487	6,251611	0,56876233	1,483250566	---
17278715	9,381695	9,364285	9,388081	9,985779	10,04429	9,8109	9,3780203	9,946989667	0,56896933	1,4834634	---
17205661	3,42143	4,200211	4,041164	4,429154	4,670014	4,271774	3,8876017	4,456980667	0,569379	1,483884703	---
17208689	4,104022	4,223471	4,389633	5,490589	5,043217	3,891996	4,239042	4,808600667	0,56955867	1,484069511	---
17206457	5,115634	7,373779	7,392504	7,776028	7,04281	6,775074	6,6273057	7,197970667	0,570665	1,485208009	---
17200933	4,788074	5,479374	4,549316	5,617291	5,579357	5,333153	4,9389213	5,509933667	0,57101233	1,48556562	---
17292632	4,752242	4,385768	4,334495	5,366503	4,576351	5,243754	4,490835	5,062202667	0,57136767	1,485931558	---
17207583	3,602498	3,80958	3,573937	4,210193	4,202701	4,288801	3,662005	4,233898333	0,57189333	1,486473077	---
17208719	4,842615	4,679941	4,376437	5,2342	5,731605	4,650522	4,6329977	5,205442333	0,57244467	1,487041249	---
17337441	7,592648	7,594438	7,519562	8,273612	8,036219	8,117294	7,5688827	8,142375	0,57349233	1,488121511	Trim26
17207303	6,22887	5,755899	5,2382	6,7743	5,887705	6,2822	5,7409897	6,314735	0,57374533	1,4883825	---
17204541	5,275619	5,318962	4,853202	5,461605	6,126233	5,581923	5,149261	5,723253667	0,57399267	1,488637688	---
17207795	5,166861	5,496743	5,540011	5,867861	6,171015	5,886783	5,401205	5,975219667	0,57401467	1,488660389	---
17200419	4,960493	5,534915	5,57357	6,283027	6,140329	5,368104	5,356326	5,930486667	0,57416067	1,488811048	---
17241934	9,315792	9,93074	9,786251	10,12323	10,34	10,29229	9,6775943	10,25184	0,57424567	1,488898768	Gstt1
17205397	6,940493	7,188436	6,828057	7,450093	7,601372	7,628619	6,985662	7,560028	0,574366	1,48902296	---
17210653	4,343863	4,126634	3,875667	4,463366	4,936306	4,670033	4,115388	4,689901667	0,57451367	1,489175377	---
17205457	3,3349	3,317714	2,879339	3,003616	4,468304	3,784351	3,1773177	3,752090333	0,57477267	1,489442745	---
17455193	6,294168	6,282814	4,864522	5,103621	7,005615	7,058579	5,8138347	6,389271667	0,575437	1,490128763	Cyp3a25
17210005	7,804252	7,552257	7,475791	8,007825	8,157798	8,39645	7,6107667	8,187357667	0,576591	1,491321181	---
17204863	6,829841	6,347465	6,501021	7,758528	6,89154	6,759032	6,5594423	7,136366667	0,57692433	1,49166579	---
17200511	4,772645	4,629859	4,656514	5,015328	5,806417	4,970212	4,6863393	5,263985667	0,57764633	1,492412484	---
17200103	4,115109	4,553144	3,733539	5,184805	4,546645	4,404674	4,1339307	4,712041333	0,57811067	1,492892896	---
17537865	6,606041	5,82149	5,335718	6,364884	6,467371	6,667967	5,921083	6,500074	0,578991	1,493804138	Arxes1
17210813	5,092284	4,095917	4,950336	5,159576	5,569005	5,147828	4,7128457	5,292136333	0,57929067	1,494114453	---
17205179	4,196454	4,485844	3,570582	4,663191	5,172632	4,156059	4,0842933	4,663960667	0,57966733	1,494504596	---
17209369	4,196454	4,485844	3,570582	4,663191	5,172632	4,156059	4,0842933	4,663960667	0,57966733	1,494504596	---
17208865	5,686978	4,82899	4,745404	6,40127	5,202867	5,39755	5,087124	5,667229	0,580105	1,494958048	---
17200561	4,467589	5,330152	5,020981	5,965865	5,34506	5,24835	4,939574	5,519758333	0,58018433	1,495040258	---
17205939	4,537429	4,148448	5,128263	5,264423	5,411949	4,878795	4,6047133	5,185055667	0,58034233	1,495204	---
17218349	10,85103	10,48574	10,4045	10,83404	11,40896	11,23991	10,580423	11,16097	0,58054667	1,495415785	Glul
17210269	5,420298	4,884937	4,830558	5,784097	5,315998	5,777677	5,0452643	5,625924	0,58065967	1,495532919	---
17210291	5,420298	4,884937	4,830558	5,784097	5,315998	5,777677	5,0452643	5,625924	0,58065967	1,495532919	---
17209991	7,128286	6,524885	6,293787	7,449444	7,271383	6,970687	6,648986	7,230504667	0,58151867	1,496423644	---
17208989	4,776341	4,680761	5,880336	6,156492	4,49117	6,435758	5,1124793	5,694473333	0,581994	1,496916761	---
17203399	3,349839	3,640193	2,977334	4,213379	3,747919	3,752934	3,3224553	3,904744	0,58228867	1,497222534	---
17204643	4,014352	4,61268	4,793945	5,134058	5,272676	4,761529	4,473659	5,056087667	0,58242867	1,497367832	---
17209589	4,604272	3,777306	4,962824	4,610855	5,611655	4,873418	4,448134	5,031976	0,583842	1,498835444	---
17207071	4,069526	4,930618	5,522292	5,480861	5,397844	5,397072	4,840812	5,425259	0,584447	1,499464119	---
17208319	4,747403	5,570865	5,642068	5,687249	6,346175	5,683156	5,320112	5,905526667	0,58541467	1,5004702	---
17200523	6,094781	6,629838	6,505185	6,959561	7,248146	6,780156	6,4099347	6,995954333	0,58601967	1,50109956	---
17209593	4,516718	3,762937	4,826629	5,054731	4,318877	5,492356	4,3687613	4,955321333	0,58656	1,501661873	---
17547016	5,258516	5,69359	5,956469	5,98646	6,651929	6,031075	5,6361917	6,223154667	0,586963	1,502081403	---
17204809	6,426995	7,254739	7,158748	7,469223	7,696393	7,437684	6,9468273	7,534433333	0,587606	1,502751021	---
17205425	6,105704	5,316962	4,969939	5,5661	6,407971	6,184954	5,4642017	6,053008333	0,58880667	1,504002189	---
17208587	5,480347	4,767802	4,878531	5,530805	5,900375	5,463335	5,0422267	5,631505	0,58927833	1,504493979	---
17203463	4,585176	5,379864	3,94529	5,159557	5,768568	4,750113	4,6367767	5,226079333	0,58930267	1,504519355	---
17203365	5,927699	6,296693	6,017998	6,794465	6,958974	6,258683	6,0807967	6,670707333	0,58991067	1,505153544	---
17230067	7,005614	7,341245	6,470541	7,612507	7,263344	7,712282	6,9391333	7,529377667	0,59024433	1,505501696	Mndal
17300373	6,504144	7,109772	7,37605	7,670167	7,66823	7,424967	6,9966553	7,587788	0,59113267	1,506428988	---
17250044	5,677169	5,855797	6,633622	6,795224	7,004283	6,143673	6,0555293	6,647726667	0,59219733	1,507541099	2210415F13Rik
17309797	3,788274	4,510143	4,157237	4,791776	4,840858	4,59998	4,1518847	4,744204667	0,59232	1,507669284	---
17205503	6,394221	6,480783	6,387432	6,800496	7,059	7,180635	6,420812	7,013377	0,592565	1,50792534	---
17209925	6,850364	6,944503	6,56868	6,856045	7,695189	7,590049	6,787849	7,380427667	0,59257867	1,507939625	---
17333318	6,140723	6,300884	6,447184	7,177875	6,772896	6,715781	6,2962637	6,888850667	0,592587	1,507948335	---
17209659	5,741706	6,011265	6,313036	6,352907	6,766681	6,724609	6,0220023	6,614732333	0,59273	1,50809781	---
17209563	5,613672	5,222341	4,955695	5,563086	6,11242	5,894606	5,2639027	5,856704	0,59280133	1,508172379	---
17352599	6,126079	6,376788	6,236432	6,455582	7,283949	6,779936	6,246433	6,839822333	0,59338933	1,508787191	---
17206807	5,167601	4,063291	5,218853	5,838264	5,084456	5,30722	4,8165817	5,40998	0,59339833	1,508796603	---
17208079	4,542624	5,748648	4,346541	5,12799	5,972534	5,318589	4,879271	5,473037667	0,59376667	1,509181862	---
17423317	6,477856	6,003629	5,894425	6,158919	7,073806	6,924743	6,1253033	6,719156	0,59385267	1,509271828	---
17391440	4,210738	5,814138	5,503294	5,649445	6,193632	5,467115	5,1760567	5,770064	0,59400733	1,509433641	---
17209805	2,991628	2,7788	3,08191	3,580655	3,876203	3,178072	2,9507793	3,544976667	0,59419733	1,509632444	---
17206571	4,228266	5,587069	5,868601	6,94006	5,404455	5,124311	5,2279787	5,822942	0,59496333	1,510434197	---
17513655	8,230494	7,846273	7,783976	8,553473	8,42924	8,66475	7,953581	8,549154333	0,59557333	1,511072973	Car5a
17205713	4,256496	4,151791	4,71913	5,403666	5,025771	4,48545	4,3758057	4,971629	0,59582333	1,511334845	---
17208939	6,170823	6,077601	6,241335	7,183809	6,299334	6,795086	6,163253	6,759409667	0,59615667	1,511684078	---
17208327	6,930331	6,524922	5,640542	7,025034	7,072849	6,786543	6,365265	6,961475333	0,59621033	1,511740312	---
17334172	5,073898	4,939805	4,757192	5,6064	5,504405	5,44951	4,9236317	5,520105	0,59647333	1,512015924	Dcpp2
17207493	5,386936	5,740285	4,401809	5,881349	5,979447	5,458735	5,1763433	5,773177	0,59683367	1,512393618	---
17202893	5,411802	6,005229	6,316722	6,53787	6,143188	6,845223	5,911251	6,508760333	0,59750933	1,513102093	---
17359951	8,276225	8,752174	8,335488	9,205847	8,699937	9,253899	8,454629	9,053227667	0,59859867	1,51424502	---
17202723	6,070036	5,940134	6,043739	6,662206	6,492229	6,701428	6,0179697	6,618621	0,60065133	1,516401021	---
17278832	6,518321	6,831809	6,714618	7,254076	7,46347	7,14935	6,6882493	7,288965333	0,600716	1,516468993	Mir667
17207107	4,716328	3,736939	4,597948	5,062698	4,805123	4,985588	4,350405	4,951136333	0,60073133	1,516485111	---
17210843	4,882135	4,996032	4,601794	6,178735	5,145454	4,958149	4,8266537	5,427446	0,60079233	1,516549232	---
17207021	5,816462	5,155049	4,947351	6,348899	5,93563	5,436741	5,3062873	5,90709	0,60080267	1,516560095	---
17200107	6,058489	5,062404	5,216397	6,049053	5,943664	6,147079	5,4457633	6,046598667	0,60083533	1,516594434	---
17209781	4,879206	4,192129	4,246817	4,50042	5,253922	5,366588	4,439384	5,04031	0,600926	1,516689748	---
17290935	7,793474	7,616096	8,052687	8,643333	8,687743	7,935784	7,8207523	8,422286667	0,60153433	1,517329417	---
17203385	4,683104	5,11728	4,945273	5,409592	5,238015	5,902857	4,915219	5,516821333	0,60160233	1,517400937	---
17205515	3,897973	2,674052	4,210738	5,677307	3,602498	3,309126	3,5942543	4,196310333	0,602056	1,51787817	---
17411159	6,400029	6,885876	5,491012	7,014129	6,953781	6,617571	6,2589723	6,861827	0,60285467	1,51871869	H28
17210133	3,912863	3,933617	3,549713	4,174464	4,043996	4,986497	3,798731	4,401652333	0,60292133	1,518788872	---

17204893	4,501174	4,739552	5,356066	6,029105	5,726607	4,65015	4,8655973	5,468620667	0,60302333	1,518896255	---
17202387	3,765079	3,419416	4,145207	4,13411	4,491103	4,513973	3,7765673	4,379728667	0,60316133	1,519041551	---
17209045	6,415143	6,239824	6,243126	7,151662	7,016916	6,539579	6,2993643	6,902719	0,60335467	1,519245129	---
17284379	5,671271	5,372577	6,011093	6,569005	6,054935	6,241089	5,6849803	6,288343	0,60336267	1,519253554	Igh-VJ558
17382249	6,518163	6,37537	6,329494	7,023457	7,215935	6,794637	6,4076757	7,011343	0,60366733	1,519574422	Cacna1b
17203695	5,402361	5,785928	6,308359	6,661712	6,366982	6,279946	5,832216	6,436213333	0,60399733	1,519922047	---
17204855	7,607189	6,415266	6,781513	8,215093	7,232158	7,171092	6,934656	7,539447667	0,60479167	1,520759131	---
17394719	5,164406	4,551779	5,096382	5,015605	5,403666	6,209603	4,9375223	5,542958	0,60543567	1,521438129	---
17206257	5,164597	4,914508	5,021695	5,862107	5,217417	5,838618	5,0336	5,639380667	0,60578067	1,521802003	---
17204525	4,920802	5,591885	4,452364	5,41418	6,139166	5,229126	4,9883503	5,594157333	0,605807	1,521829781	---
17418090	5,92822	6,363792	5,614333	6,497746	6,609241	6,617482	5,9687817	6,574823	0,60604133	1,522076988	---
17205821	5,471334	5,379046	5,309387	6,195112	5,151045	6,632831	5,386589	5,992996	0,606407	1,522462824	---
17208813	4,671414	4,914443	3,671869	5,492592	4,762038	4,822788	4,419242	5,025806	0,606564	1,522628513	---
17204625	5,472065	5,862891	5,875751	6,655124	6,489528	5,889179	5,7369023	6,344610333	0,607708	1,523836376	---
17300054	4,78709	5,410239	5,104709	5,448895	6,13398	5,54251	5,1006793	5,708461667	0,60778233	1,523914892	Trav9d-3
17252341	7,055406	7,544374	6,500153	7,937873	7,580568	7,406768	7,033311	7,641736333	0,60842533	1,524594243	Xaf1
17202745	6,834758	6,853119	6,638309	7,307159	7,668787	7,17851	6,7753953	7,384818667	0,60942333	1,525649262	---
17209867	4,700482	4,577555	4,57717	4,892436	5,857165	4,935202	4,6184023	5,228267667	0,60986533	1,526116749	---
17207869	3,994416	3,647346	4,196692	3,883804	4,456704	5,328596	3,9461513	4,556368	0,61021667	1,526488443	---
17210191	5,263099	5,620362	4,979564	5,850739	6,507984	5,336258	5,287675	5,898327	0,610652	1,52694913	---
17207513	4,88315	4,857911	4,624616	4,857016	6,062696	5,278203	4,788559	5,399305	0,610746	1,527048623	---
17550572	7,913407	7,858719	7,703128	8,724196	8,465732	8,12249	7,8250847	8,437472667	0,612388	1,528787619	---
17203955	2,913399	3,372462	3,137552	4,083648	3,519957	3,658093	3,1411377	3,753899333	0,61276167	1,529183636	---
17209845	2,643419	3,385006	3,138677	3,486379	4,167644	3,352109	3,0557007	3,668710667	0,61301	1,529446879	---
17219139	5,994295	7,113307	6,218129	6,890635	6,695002	7,581249	6,4419103	7,055628667	0,61371833	1,53019799	Rgs5
17202085	4,229595	3,261246	2,998353	4,611679	3,846857	3,872755	3,496398	4,110430333	0,61403233	1,530531071	---
17209801	3,946896	3,697322	4,004033	4,628306	4,393816	4,468713	3,8827503	4,496945	0,61419467	1,530703298	---
17474724	5,797092	5,871805	4,993929	6,180739	6,298238	6,027192	5,5542753	6,168723	0,61444767	1,530971755	Vmn1r91
17201621	5,568271	5,461392	5,106234	5,814148	6,232874	5,932253	5,3786323	5,993091667	0,61445933	1,530984136	---
17202233	4,88685	6,367866	5,602311	6,358968	6,047301	6,294532	5,619009	6,233600333	0,61459133	1,53112422	---
17278785	5,202247	5,163519	5,185476	6,034468	5,526556	5,834194	5,1837473	5,798406	0,61465867	1,531195682	---
17202843	6,280795	6,550506	6,444471	6,803869	7,163532	7,152715	6,4252573	7,040038667	0,61478133	1,531325879	---
17206575	4,423844	4,987456	4,48106	5,406457	5,517756	4,813156	4,6307867	5,245789667	0,615003	1,531561182	---
17205803	4,927281	4,868742	4,166903	5,125355	4,773236	5,909571	4,6543087	5,269387333	0,61507867	1,531641512	---
17202825	6,327295	7,11725	6,733852	7,180696	7,488037	7,357679	6,7261323	7,342137333	0,616005	1,532625272	---
17205427	2,844595	2,87062	3,18778	3,470834	3,634594	3,647143	2,967665	3,584190333	0,61652533	1,53317814	---
17203959	4,025925	4,80403	3,592103	5,423015	4,289104	4,56258	4,140686	4,758233	0,617547	1,534264268	---
17399374	5,226866	5,560777	5,217686	6,127676	5,94457	5,789682	5,3351097	5,953976	0,61886633	1,535667982	Muc1
17200341	3,050166	2,798025	3,377902	3,744872	3,463079	3,875421	3,0753643	3,694457333	0,619093	1,535909275	---
17201707	4,49355	4,233558	4,417375	4,694898	5,108656	5,199357	4,3814943	5,000970333	0,619476	1,536317076	---
17201883	4,49355	4,233558	4,417375	4,694898	5,108656	5,199357	4,3814943	5,000970333	0,619476	1,536317076	---
17207717	4,486965	3,644906	3,472221	4,368697	4,519714	4,574531	3,8680307	4,487647333	0,61961667	1,536466878	---
17202367	5,253922	4,742764	4,878731	5,803984	5,683218	5,248786	4,9584723	5,578662667	0,62019033	1,537077953	---
17296696	4,035484	4,710502	3,911685	4,649062	4,802612	5,070369	4,2192237	4,840681	0,62145733	1,538428435	---
17204265	3,724424	3,498628	3,379272	4,13025	4,381988	3,960554	3,534108	4,157597333	0,62348933	1,5405968	---
17206495	6,464748	6,576601	6,866685	6,767764	7,389559	7,623616	6,6360113	7,260313	0,62430167	1,541464502	---
17203439	6,007023	5,943413	5,237614	6,280047	6,31005	6,470993	5,72935	6,353696667	0,62434667	1,541512584	---
17203905	7,906217	7,49182	6,803836	8,020489	7,871347	8,183882	7,4006243	8,025239333	0,624615	1,541799323	---
17529625	5,607119	5,796876	5,533475	6,442942	6,302321	6,066103	5,6458233	6,270455333	0,624632	1,541817491	AF529169
17278810	4,101207	4,202005	4,024979	5,251144	4,405657	4,546018	4,109397	4,734273	0,624876	1,542078278	Mir380
17207437	6,098034	6,7117	6,322584	6,945568	7,25598	6,806536	6,3774393	7,002694667	0,62525533	1,542483796	---
17209971	6,408809	5,998	6,558467	7,050418	7,232719	6,559157	6,3217587	6,947431333	0,62567267	1,54293006	---
17210377	5,496908	5,681633	5,778497	6,526344	5,947412	6,361002	5,652346	6,278252667	0,62590667	1,543180338	---
17208375	4,229491	4,934301	3,852796	5,211198	4,83324	4,85315	4,3388627	4,965862667	0,627	1,544350266	---
17205899	2,993512	2,966976	3,283535	3,81276	3,703473	3,609224	3,081341	3,708485667	0,62714467	1,544505134	---
17205837	5,742315	5,543073	5,649748	6,64897	6,296559	5,871657	5,6450453	6,272395333	0,62735	1,544724973	---
17203993	3,247107	2,948277	3,83269	4,01366	4,127388	3,771245	3,3426913	3,970764333	0,628073	1,545499299	---
17202271	7,413929	6,817173	5,952651	7,778127	7,361427	6,93083	6,7279177	7,356794667	0,628877	1,546360831	---
17423577	4,558943	4,163519	4,443654	4,809309	5,328404	4,915751	4,3887053	5,017821333	0,629116	1,546617026	Atp6v0d2
17491541	4,324618	4,402886	4,088839	5,128344	4,777403	4,799785	4,2721143	4,901844	0,62972967	1,547275037	---
17209981	5,762324	4,722357	4,180783	5,585743	5,01765	5,952399	4,888488	5,518597333	0,63010933	1,547682279	---
17209889	5,267361	5,22575	5,302256	5,930043	6,206012	5,549947	5,2651223	5,895334	0,63021167	1,547792063	---
17463579	7,40676	6,864544	7,315096	7,714896	7,61167	8,155771	7,1954667	7,827445667	0,631979	1,549689304	---
17210261	4,912142	4,591892	5,178998	5,469944	5,487157	5,625567	4,894344	5,527556	0,633212	1,551014313	---
17210283	4,912142	4,591892	5,178998	5,469944	5,487157	5,625567	4,894344	5,527556	0,633212	1,551014313	---
17454179	7,113289	6,376462	6,449932	6,573291	7,83194	7,435792	6,646561	7,280341	0,63378	1,55162508	Pilrb1
17207205	4,182079	4,796927	4,474308	5,226166	4,40777	5,721471	4,484438	5,118469	0,634031	1,551895055	---
17210737	5,675488	6,262426	5,594927	6,168347	7,071117	6,195727	5,8442803	6,478397	0,63411667	1,551987208	---
17200071	5,579564	4,838055	6,092613	6,324355	6,020111	6,070138	5,5034107	6,138201333	0,63479067	1,552712437	---
17210239	4,659667	5,127447	4,346232	5,736159	6,346176	3,955553	4,7111153	5,345962667	0,63484733	1,552773426	---
17208487	3,748619	3,407209	3,520706	5,109511	3,920568	3,555864	3,5588447	4,195314333	0,63646967	1,554520526	---
17202251	4,639822	5,169962	4,226739	5,111531	5,227441	5,608157	4,678841	5,315709667	0,63686867	1,554950513	---
17209955	3,063648	2,789753	3,362127	3,432653	3,798806	3,895383	3,0718427	3,708947333	0,63710467	1,555204897	---
17218361	6,625471	6,546584	6,503959	7,105547	7,121753	7,361032	6,5586713	7,196110667	0,63743933	1,555565705	---
17462437	8,917998	9,208929	8,577366	9,871591	9,555482	9,192543	8,901431	9,539872	0,638441	1,556646113	Usp18
17209843	5,030752	5,475785	4,733058	5,749928	5,888761	5,51903	5,079865	5,719239667	0,63937467	1,557653851	---
17208803	4,809104	4,356481	4,806505	5,238266	5,568125	5,088066	4,6573633	5,298152333	0,640789	1,559181632	---
17204967	5,002869	4,714049	5,021899	5,425005	5,791989	5,444947	4,912939	5,553980333	0,64104133	1,559454363	---
17205777	6,652569	6,248122	6,177477	7,160673	7,074855	6,767115	6,3593893	7,000881	0,64149167	1,559941218	---
17206471	7,252159	8,033678	8,284563	8,527621	8,305367	8,663917	7,8568	8,498968333	0,64216833	1,560673049	---
17208039	6,94097	5,530387	6,338326	6,796405	6,846369	7,094417	6,2698943	6,912397	0,64250267	1,561034764	---
17208469	4,838306	4,754695	5,270645	5,835274	5,759492	5,196842	4,9545487	5,597202667	0,642654	1,56119852	---
17201545	4,320652	3,83638	4,256399	4,235423	5,144612	4,965816	4,1378103	4,781950333	0,64414	1,562807409	---
17201593	4,064977	3,841837	3,837259	4,901563	4,799867	3,981414	3,914691	4,560948	0,646257	1,565102344	---
17293704	6,252833	6,353786	5,851945	6,901473	7,005427	6,491738	6,1528547	6,799546	0,64669133	1,5655736	---
17314416	4,224895	3,770751	4,360099	5,09498	4,586719	4,614334	4,1185817	4,765344333	0,64676267	1,565651011	---
17550594	10,87994	11,06395	10,71236	11,24466	11,543	11,81005	10,885417	11,53257	0,64715333	1,56607503	---
17200735	4,650482	4,062156	4,671861	4,359134	6,346176	4,630412	4,4614997	5,111907333	0,65040767	1,569611663	---
17206023	5,165544	4,879937	4,89496	5,674824	5,156393	6,061266	4,980147	5,630827667	0,65068067	1,569908707	---
17205619	5,866794	4,892958	5,719705	6,285714	6,077266	6,068775	5,4931523	6,143918333	0,650766	1,570001568	---
17372972	3,41203	3,230034	3,559759	3,883482	4,098684	4,172594	3,4006077	4,051586667	0,650979	1,570233381	---
17538783	5,164009	6,434996	6,193632	6,497536	6,905148	6,343218	5,930879	6,581967333	0,65108833	1,570352384	---
17205185	4,116786	3,153187	3,866426	4,938534	4,167414	3,987016	3,712133	4,364321333	0,65218833	1,571550174	---
17209375	4,116786	3,153187	3,866426	4,938534	4,167414	3,987016	3,712133	4,364321333	0,65218833	1,571550174	---
17207833	4,79441	4,791352	5,762175	6,133737	5,940886	5,233457	5,115979	5,76936	0,653381	1,572849902	---
17204445	5,357409	5,751737	5,723964	6,525901	6,451215	5,818314	5,6110367	6,265143333	0,65410667	1,573641235	---
17200911	3,701148	3,180631	3,572532	4,956913	3,303112	4,157254	3,4847703	4,139093	0,65432267	1,573876858	---
17207817	4,157884	4,482063	4,83222	4,977616	4,892479	5,565225	4,4907223	5,145106667	0,65438433	1,573944133	---
17550590	8,055701	9,269559	8,077109	8,803022	8,862976	9,70003	8,4674563	9,122009333	0,654553	1,574128155	---
17486748	5,038363	4,901636	5,148652	5,898466	5,651225	5,503129	5,0295503	5,684273333	0,654723	1,574313653	Obox3
17202289	6,565025	6,42878	6,734718	7,497921	7,292274	6,906816	6,5761743	7,232337	0,65616267	1,575885446	---
17208975	4,048019	4,855664	4,681369	5,677791	4,761779	5,116209	4,5283507	5,185259667	0,656909	1,576700892	---
17210581	3,716138	4,546076	5,321665	5,467116	4,812355	5,276439	4,5279597	5,185303333	0,65734367	1,577176005	---
17256707	10,91855	10,38902	10,64132	11,1521	11,49678	11,27281	10,64963	11,30723	0,6576	1,577456257	G6pc
17210325	5,496032	5,044752	4,777416	6,0436	6,256393	4,991598	5,1060667	5,763863667	0,657797	1,577671674	---
17441037	6,5828	7,129514	5,947069	7,73309	7,057807	6,842103	6,5531277	7,211	0,65787233	1,577754057	Oasl2
17407333	7,920323	8,078712	6,756499	8,587527	8,290913	7,851885	7,585178	8,243441667	0,65826367	1,578182084	---
17205249	4,737059	4,869123	4,024256	5,416144	4,633453	5,556415	4,5434793	5,202004	0,65852467	1,578467621	---
17209439	4,737059	4,869123	4,024256	5,416144	4,633453	5,556415	4,5434793	5,202004	0,65852467	1,578467621	---
17200489	4,147031	5,519901	4,328838	5,469442	5,466158	5,035903	4,6652567	5,323834333	0,65857767	1,578525609	---
17200831	4,371499	3,976915	4,380845	4,340339	5,321061	5,044612	4,2430863	4,902004	0,65891767	1,578897665	---
17209711	6,726367	6,10108	6,979769	7,011628	7,500373	7,27198	6,6024053	7,261327	0,65892167	1,578902042	---
17202669	5,319913	4,242646	4,362795	5,836481	4,711801	5,353985	4,6417847	5,300755667	0,658971	1,578956034	---
17308712	4,641724	3,950151	4,543295	5,227171	4,962615	4,925692	4,37839	5,038492667	0,66010267	1,580195071	---
17209795	6,281101	6,636906	6,314533	6,915272	7,005786	7,292979	6,4108467	7,071345667	0,660499	1,580629238	---
17200315	4,33661	5,449738	5,467115	5,758152	6,199054	5,278414	5,0844877	5,745206667	0,660719	1,58087029	---
17535282	4,560204	4,800566	4,659434	5,395167	5,385947	5,221375	4,6734013	5,334163	0,66076167	1,580917044	---
17208567	7,535913	7,231342	6,70531	7,608064	7,956301	7,891311	7,1575217	7,818558667	0,661037	1,581218785	---
17205699	4,644561	5,562118	5,157261	5,75763	5,662818	5,926856	5,1213133	5,782434667	0,66112133	1,581311219	---
17204347	4,615394	4,642291	5,151946	6,20375	5,365269	4,825163	4,8032103	5,464727333	0,661517	1,581744961	---
17278876	7,530757	7,191809	7,342815	8,07016	8,076299	7,906253	7,355127	8,017570667	0,66244367	1,582761268	Mir453
17210365	4,100885	4,220489	4,656879	5,071548	4,806796	5,090732	4,3260843	4,989692	0,66360767	1,584038792	---
17438323	5,945994	6,578665	5,896742	6,879501	6,757962	6,775074	6,140467	6,804179	0,663712	1,584153351	---
17209621	7,551663	7,003308	7,106898	8,125715	7,569333	7,960401	7,220623	7,885149667	0,66452667	1,58504815	---
17235352	4,352503	4,333831	4,311201	5,092634	4,95245	4,948604	4,3325117	4,997896	0,66538433	1,585990724	Mex3d // Mex3d
17206547	5,368665	4,486522	4,434307	5,517762	5,651401	5,123078	4,7631647	5,430747	0,66758233	1,588408882	---
17209785	5,067233	4,806307	4,479014	5,457678	6,079762	4,821514	4,7841847	5,452984667	0,6688	1,5897501	---
17278799	5,69704	6,175296	5,562668	6,393282	6,429211	6,62101	5,811668	6,481167667	0,66949967	1,590521272	---
17205007	5,28104	6,377166	5,236293	6,295804	6,463082	6,146002	5,6314997	6,301629333	0,67012967	1,591215977	---
17550474	8,188113	8,957355	8,360578	9,200678	9,079353	9,240361	8,5020153	9,173464	0,67144867	1,592671429	---
17202833	7,118417	6,351676	6,903788	7,37127	7,569128	7,452375	6,7912937	7,464257667	0,672964	1,594345168	---
17208799	5,92822	7,328122	6,582784	7,366513	6,790361	7,709808	6,613042	7,288894	0,675852	1,59753994	---
17296007	3,548253	3,694432	3,566559	4,117501	4,291452	4,42876	3,6030813	4,279237667	0,67615633	1,597876973	---
17380222	9,96544	9,377656	9,241295	10,04211	10,49174	10,08396	9,5281303	10,20593667	0,67780633	1,599705499	Pck1

17344688	4,477334	5,160125	4,545923	5,262244	5,027934	5,927773	4,727794	5,405983667	0,67818967	1,600130607	---
17203233	3,73469	3,713995	3,356966	4,680744	4,060549	4,105183	3,6018837	4,282158667	0,680275	1,602445177	---
17528249	7,341119	7,429268	6,235699	6,918491	8,040866	8,088431	7,0020287	7,682596	0,68056733	1,602769913	Ostb
17278759	7,021858	7,273098	7,08705	7,938798	7,605358	7,881746	7,1273353	7,808634	0,68129867	1,603582598	---
17207835	5,530154	5,053729	6,2298	5,993131	6,13126	6,733253	5,604561	6,285881333	0,68132033	1,603606681	---
17205857	5,920931	6,007024	5,628043	6,600843	6,54907	6,450333	5,8519993	6,533415333	0,681416	1,603713022	---
17206479	7,074784	7,319198	7,870432	8,21526	7,900943	8,193738	7,4214713	8,103313667	0,68184233	1,604187008	---
17411147	9,721381	9,989334	8,613745	10,47026	9,791682	10,1107	9,4414867	10,124214	0,68272733	1,605171374	Ifi44
17547684	7,642643	8,067818	8,079494	8,729163	8,44214	8,668879	7,929985	8,613394	0,683409	1,60592999	LOC100862386
17203137	5,784219	6,312631	6,70766	6,828942	7,194579	6,840732	6,26817	6,954751	0,686581	1,609464773	---
17367907	5,241523	6,88087	4,493739	5,839297	6,696112	6,146944	5,5387107	6,227451	0,68874033	1,61187552	---
17348707	6,84769	7,00067	6,563465	7,599027	7,38565	7,496117	6,8039417	7,493598	0,68965633	1,612899261	Dsg1c
17210503	4,525451	5,052102	5,762317	6,246752	5,990538	5,175687	5,11329	5,804325667	0,69103567	1,614442061	---
17202429	3,699707	3,882418	3,987182	4,311345	4,584814	4,750435	3,8564357	4,548864667	0,692429	1,616002018	---
17358832	7,33163	7,907445	6,406529	8,375325	7,632764	7,716846	7,2152013	7,908311667	0,69311033	1,616765379	Ifit1
17278842	4,410221	4,454902	4,07015	4,77626	5,156007	5,082604	4,3117577	5,004957	0,69319933	1,61686512	Mir300
17208945	2,99565	3,206118	2,847581	3,334674	3,897973	3,897973	3,0164497	3,710206667	0,693757	1,617490232	---
17205401	5,031363	5,313395	6,320014	6,145076	6,687371	5,914817	5,554924	6,249088	0,694164	1,617946608	---
17207353	5,115634	4,554101	4,794019	5,997269	4,165557	6,384089	4,8212513	5,515638333	0,694387	1,618196716	---
17207575	5,481383	5,669932	5,414895	6,058444	6,495436	6,113517	5,52207	6,222465667	0,70039567	1,624950383	---
17403864	4,559496	3,694432	5,012167	4,654041	5,24688	5,467115	4,4220317	5,122678667	0,700647	1,625233492	Mir186
17209775	5,289927	5,192964	4,843835	6,116875	6,100139	5,211719	5,1089087	5,809577667	0,700669	1,625258275	---
17207759	5,068057	4,987888	5,137105	5,980818	5,883842	5,430717	5,06435	5,765125667	0,70077567	1,625378444	---
17202695	4,410882	4,951364	4,585665	5,710218	5,57562	4,767102	4,6493037	5,35098	0,70167633	1,626393476	---
17497813	7,752112	7,962979	7,050667	8,516484	8,277627	8,083766	7,588586	8,292625667	0,70403967	1,629059916	Irf7
17270087	5,164009	6,034278	6,150321	6,045242	6,612576	6,803337	5,7828693	6,487051667	0,70418233	1,62922102	---
17538752	6,679787	6,552364	5,709298	7,445885	6,508142	7,100016	6,3138163	7,018014333	0,704198	1,629238713	---
17278662	6,997599	7,138949	7,295905	8,078197	7,801988	7,670981	7,144151	7,850388667	0,70623767	1,63154742	Meg3
17537048	5,247952	5,137953	4,859067	5,87745	5,502055	5,989295	5,0816573	5,7896	0,70794267	1,633473066	Cox7b // Cox7b
17475203	5,736159	6,858252	3,970835	6,063276	6,001027	6,627244	5,5217487	6,230515667	0,708767	1,634406674	---
17207687	5,146614	5,664076	5,034487	5,771688	6,207238	5,99458	5,2817257	5,991168667	0,709443	1,635172683	---
17209855	3,691244	3,226817	4,066003	4,74821	3,75801	4,613437	3,6613547	4,373219	0,71186433	1,637919364	---
17205407	4,999185	4,812689	4,644464	5,76637	5,300246	5,532838	4,8187793	5,533151333	0,7143 72	1,640768841	---
17208385	3,890625	4,241042	4,660389	4,64259	5,389174	4,907381	4,2640187	4,979715	0,71569633	1,64227569	---
17207037	6,158747	6,884903	5,883772	6,760805	6,981372	7,333025	6,3091407	7,025067333	0,71592667	1,642537908	---
17207433	5,206766	5,209055	5,197371	6,286008	5,547819	5,928744	5,2043973	5,920857	0,71645967	1,643144851	---
17428858	7,132938	7,328122	6,415411	7,310053	7,807495	7,916009	6,9588237	7,677852333	0,71902867	1,646073398	---
17210327	5,497427	4,053101	4,113982	5,275625	4,888926	5,659799	4,5548367	5,274783333	0,71994667	1,647121143	---
17205331	5,847688	6,154372	6,719985	6,971391	6,90156	7,015193	6,2406817	6,962714667	0,722033	1,649504827	---
17209763	6,239988	6,285931	5,51345	6,70168	6,76555	6,739791	6,013123	6,735673667	0,72255067	1,650096808	---
17206539	4,057505	3,829519	4,221925	4,615571	4,95254	4,708927	4,0363163	4,759012667	0,72269633	1,650263424	---
17202145	4,177767	4,923684	4,363422	5,382113	5,481431	4,77312	4,488291	5,212221333	0,72393033	1,65167557	---
17230102	6,101676	6,293218	4,865294	6,565166	6,573996	6,293303	5,753396	6,477488333	0,72409233	1,651861047	Ifi202b
17205129	6,4428	6,813635	6,475234	7,727023	7,07961	7,100017	6,577223	7,302216667	0,72499367	1,65289338	---
17209319	6,4428	6,813635	6,475234	7,727023	7,07961	7,100017	6,577223	7,302216667	0,72499367	1,65289338	---
17209653	3,673496	4,792816	3,827679	4,132058	5,230433	5,107292	4,097997	4,823261	0,725264	1,65320313	---
17351321	8,509892	8,39604	8,186585	8,803995	9,345452	9,124629	8,3641723	9,091358667	0,72718633	1,655407425	Mir122a
17468528	5,82373	5,158401	5,098183	6,863012	6,070349	5,328762	5,3601047	6,087374333	0,72726967	1,655503048	---
17202795	5,343362	6,021758	5,623453	6,416957	6,323285	6,431514	5,6628577	6,390585333	0,72772767	1,656028689	---
17208675	3,485288	3,528633	3,48695	4,119248	4,815083	3,751194	3,5002903	4,228508333	0,728218	1,656591625	---
17209647	4,20601	4,78974	3,495525	5,155253	4,594809	4,933534	4,1637583	4,894532	0,73077367	1,6595288	---
17262942	7,923742	7,324504	7,773374	8,596375	8,314916	8,308158	7,6738733	8,406483	0,73260967	1,661642091	Slc36a2
17248077	3,303278	3,125024	3,197035	4,051072	4,508021	3,273493	3,2084457	3,944195333	0,73574967	1,665262564	---
17513995	6,602253	6,875597	7,179527	6,75314	9,024101	7,089011	6,8857923	7,622084	0,73629167	1,665888297	Acta1
17205659	4,457201	5,356173	4,250452	5,704182	5,645108	4,932178	4,687942	5,427156	0,739214	1,669266152	---
17208747	5,196438	3,816366	3,405302	4,645389	4,333314	5,657071	4,1393687	4,878591333	0,73922267	1,66927618	---
17203185	4,136339	4,662147	4,694486	4,805731	5,82296	5,082083	4,4976573	5,236924667	0,73926733	1,669327862	---
17202891	5,837013	6,491663	6,131604	7,513109	6,738505	6,430464	6,1534267	6,894026	0,74059933	1,670869818	---
17202519	5,281727	5,229859	5,499361	6,42674	5,813948	6,002415	5,3369823	6,081034333	0,744052	1,674873342	---
17200649	3,091949	4,445789	4,154668	4,510545	5,437155	3,979321	3,8974687	4,642340333	0,74487167	1,675825192	---
17323078	5,758152	6,75072	5,338126	6,526515	6,409767	7,15166	5,9489993	6,695980667	0,74698133	1,678277559	---
17207595	5,265615	6,002137	5,356074	6,398021	6,161709	6,310191	5,5412753	6,289973667	0,74869833	1,680276123	---
17202595	4,252529	4,968246	4,752012	5,306733	4,945735	5,972575	4,6575957	5,408347667	0,750752	1,682669688	---
17209935	5,609549	4,65229	5,70825	5,886193	6,119324	6,22051	5,323363	6,075342333	0,75197933	1,684101782	---
17209791	4,872606	4,563868	4,658405	5,190728	4,895223	6,268374	4,698293	5,451441667	0,75314867	1,685467334	---
17200719	4,045149	3,859212	5,896438	5,795497	4,735674	5,533587	4,6002663	5,354919333	0,754653	1,687225728	---
17207049	3,900199	4,817187	4,370346	5,091791	5,288654	4,973068	4,3625773	5,117837667	0,75526033	1,687936152	---
17233631	6,860322	8,159981	7,979311	8,129395	8,352508	8,786341	7,666538	8,422748	0,75621	1,689047616	---
17293903	4,212366	3,932324	3,892512	4,683237	4,92151	4,70184	4,0124007	4,768862333	0,75646167	1,689342283	Zfp708
17201737	4,820226	4,987888	4,308971	6,123223	5,199987	5,063995	4,705695	5,462401667	0,75670667	1,689629193	---
17201913	4,820226	4,987888	4,308971	6,123223	5,199987	5,063995	4,705695	5,462401667	0,75670667	1,689629193	---
17203309	3,876683	4,109872	4,833918	4,618775	5,164478	5,309428	4,273491	5,030893667	0,75740267	1,690444518	---
17481284	6,321297	6,410176	6,052161	7,603221	7,202434	6,251717	6,2612113	7,019124	0,75791267	1,691042205	Trim34b
17283573	11,25631	9,49198	9,437748	10,39282	10,86562	11,20702	10,062013	10,82182	0,75980733	1,69326448	Serpina6
17204325	6,602324	6,711372	7,093306	7,770487	7,937385	6,979993	6,802334	7,562621667	0,76028767	1,693828333	---
17208013	4,636602	4,24016	3,908645	5,54865	4,576807	4,943144	4,2618023	5,022867	0,76106467	1,694740832	---
17207871	3,835631	4,287346	5,017778	5,591516	5,031099	4,804329	4,3802517	5,142314667	0,762063	1,695913985	---
17201475	6,236167	7,312575	6,972152	7,359132	7,754214	7,710507	6,840298	7,607951	0,767653	1,702497878	---
17529957	8,070866	7,800898	7,775535	8,137648	8,977994	8,835193	7,882433	8,650278333	0,76784533	1,702724862	Rbp2 // Rbp2
17209973	4,468604	4,414244	3,935942	4,23872	5,926239	4,957404	4,27293	5,040787667	0,76785767	1,702739418	---
17210563	4,901777	5,158752	4,817513	5,727203	5,699916	5,760232	4,9593473	5,729117	0,76976967	1,704997551	---
17200053	3,056316	5,052647	4,476301	5,237926	5,359221	4,298588	4,195088	4,965245	0,770157	1,705455368	---
17270083	5,241523	4,725449	3,013081	5,616543	5,611655	4,067469	4,3266843	5,098555667	0,77187133	1,70748314	---
17208097	5,045802	5,947044	5,374264	6,48912	6,001662	6,215509	5,4557033	6,235430333	0,779727	1,716805972	---
17349643	8,078444	8,359726	7,772533	8,747216	8,956665	8,848456	8,0702343	8,850779	0,78054467	1,717779271	Slc4a9
17200839	4,41245	5,654226	4,391096	5,951655	5,115634	5,732391	4,8192573	5,599893333	0,780636	1,717888022	---
17205157	3,756379	3,706242	3,726953	4,156992	4,573174	4,812388	3,729858	4,514184667	0,78432667	1,722288307	---
17209347	3,756379	3,706242	3,726953	4,156992	4,573174	4,812388	3,729858	4,514184667	0,78432667	1,722288307	---
17210271	4,169411	4,668156	3,530732	4,391096	5,677307	4,659667	4,1227663	4,909356667	0,78659033	1,724992792	---
17210293	4,169411	4,668156	3,530732	4,391096	5,677307	4,659667	4,1227663	4,909356667	0,78659033	1,724992792	---
17200527	4,199564	4,508906	3,36718	4,784581	4,604736	5,046204	4,0252167	4,811840333	0,78662367	1,725032648	---
17207963	4,093316	4,334772	4,124754	5,177149	5,266617	4,471988	4,1842807	4,971918	0,78763733	1,726245117	---
17202509	3,811318	3,466646	3,961931	5,844929	3,86211	3,905858	3,7466317	4,537632333	0,79100067	1,730274181	---
17200833	3,932987	5,432488	4,094086	5,022745	5,479358	5,331244	4,4865203	5,277782333	0,791262	1,730587635	---
17200853	5,260763	5,002514	4,274441	5,883691	5,445816	5,585446	4,845906	5,638317667	0,79241167	1,73196727	---
17206311	3,713733	5,541808	4,493387	5,774287	4,185052	6,167724	4,582976	5,375687667	0,79271167	1,73232746	---
17206333	4,145012	4,608981	4,395617	5,654804	4,873285	5,001733	4,3832033	5,176607333	0,793404	1,733158984	---
17209911	4,510143	3,609703	2,973156	3,955553	5,071432	4,449352	3,6976673	4,492112333	0,794445	1,734410024	---
17204099	3,512816	4,485285	3,865189	5,618311	4,469542	4,16136	3,95443	4,749737667	0,79530767	1,735447433	---
17391462	5,398071	4,641033	5,001981	5,403666	6,048852	5,974602	5,013695	5,80904	0,795345	1,735492343	---
17543104	8,14754	8,587938	8,43923	9,391974	9,092333	9,083093	8,3915693	9,189133333	0,797564	1,738163747	Meg3 // Meg3
17205587	6,390262	5,968445	5,800086	7,139409	6,175653	7,248384	6,052931	6,854482	0,801551	1,742973941	---
17209879	5,282107	6,022257	5,712251	6,223889	6,950029	6,253248	5,672205	6,475722	0,803517	1,745350758	---
17278771	4,942637	4,428849	4,196012	5,156082	5,656538	5,165937	4,5224993	5,326185667	0,80368633	1,745555627	LOC100861571
17200849	4,680683	4,205069	4,821798	5,127749	5,250103	5,741239	4,5691833	5,373030333	0,803847	1,745750033	---
17206233	4,776363	4,381827	5,355774	5,242969	5,773365	5,912889	4,837988	5,643074333	0,80508633	1,747250347	---
17448807	5,672859	6,285836	3,832037	6,917135	5,709298	5,58268	5,2635773	6,069704333	0,806127	1,748511155	---
17207417	4,949929	5,443442	4,969479	6,034535	5,520574	6,24084	5,12095	5,931983	0,811033	1,754467228	---
17274620	7,461568	7,751616	7,235766	8,412596	8,409712	8,063334	7,4829833	8,295214	0,81223067	1,75592432	Cmpk2
17200919	5,22411	5,780018	5,617035	6,469193	6,285187	6,311045	5,5403877	6,355141667	0,814754	1,758998192	---
17254838	5,138897	5,066435	4,650554	5,587687	5,827162	5,897869	4,951962	5,770906	0,818944	1,764114253	Mir142
17203603	5,353088	5,380479	5,699065	6,455526	6,312505	6,121509	5,477544	6,296513333	0,81896933	1,76414523	---
17220756	5,39253	4,214085	4,379109	4,77311	6,117907	5,551718	4,661908	5,480911667	0,81900367	1,764187214	---
17209881	5,739086	5,573619	6,343633	6,695071	6,746082	6,680501	5,885446	6,707218	0,821772	1,767575697	---
17353030	4,982691	5,158206	4,910272	5,437814	5,988834	6,090552	5,0170563	5,839066667	0,82201033	1,767867724	---
17262343	4,103771	6,384089	5,371119	5,997268	6,307243	6,026959	5,2863263	6,11049	0,82416367	1,770508373	---
17200881	4,861755	5,36541	5,354368	6,526515	5,75066	5,780025	5,1938443	6,019066667	0,82522233	1,77180807	---
17207597	4,282297	5,568814	4,630206	5,476791	5,332839	6,149415	4,8271057	5,653015	0,82590933	1,772651992	---
17484068	6,90314	6,99662	6,935706	7,849802	7,699975	7,764925	6,9451553	7,771567333	0,826412	1,77326973	Lhpp
17278852	5,470356	5,618561	5,413995	6,000298	6,588041	6,39697	5,5009707	6,328436333	0,82746567	1,774565304	Mir382
17206777	3,867693	3,884708	3,752862	5,291379	4,368605	4,330046	3,8350877	4,663343333	0,82825567	1,775537298	---
17203437	5,50631	6,292325	6,03049	6,532384	6,941428	6,846416	5,9430417	6,773409333	0,83036767	1,778138458	---
17205505	4,456704	4,314559	4,570171	5,819115	4,993718	5,02102	4,4471447	5,277951	0,83080633	1,778679202	---
17207859	3,413514	5,02513	4,872274	5,548286	5,403666	4,858183	4,4369727	5,270045	0,83307233	1,781475118	---
17378301	2,821051	2,703882	3,485844	3,418746	4,320177	3,788274	3,0035923	3,842399	0,83880667	1,788570104	---
17206473	5,595175	6,503106	6,877252	7,342991	7,203059	6,948783	6,3251777	7,164944333	0,83976667	1,789760653	---
17370209	9,779951	9,202234	8,869919	9,557194	10,21198	10,60257	9,2840347	10,12391467	0,83988	1,789901256	Gsn
17206775	3,509088	3,30256	3,986121	3,679814	4,356325	5,282449	3,5992563	4,439529333	0,840273	1,790388904	---
17207057	5,662015	4,935582	4,902716	6,16375	6,159431	5,719398	5,166771	6,014193	0,847422	1,799282852	---
17540741	7,004554	4,482461	3,853155	6,53368	5,540914	5,809253	5,11339	5,961282333	0,84789233	1,799869532	Gm6121
17200843	3,997118	3,560831	3,889004	4,184103	5,071432	4,735959	3,815651	4,663831333	0,84818033	1,80022887	---
17358219	4,679429	5,218296	4,473865	5,176128	6,083096	5,660122	4,79053	5,639782	0,849252	1,801566617	Mir1192
17475208	6,459792	7,741614	6,285836	8,129395	7,488015	7,420846	6,8290807	7,679418667	0,850338	1,802923271	---
17208137	4,752242	4,693116	4,790904	5,839297	5,722605	5,22929	4,7454207	5,597064	0,85164333	1,804555273	---

17448795	6,081095	5,164009	6,150321	6,952509	6,712254	6,285836	5,798475	6,650199667	0,85172467	1,80465701	---
17209917	3,941925	3,459414	3,627495	4,596384	4,407373	4,594627	3,676278	4,532794667	0,85651667	1,810661255	---
17209933	4,765815	4,85042	3,384549	5,301419	5,318883	4,960329	4,3335947	5,193543667	0,859949	1,814974149	---
17200675	4,559496	3,982935	5,380886	5,855526	5,224244	5,424657	4,6411057	5,501475667	0,86037	1,815503863	---
17209111	4,752546	3,989529	4,010843	5,27791	5,002427	5,055021	4,2509727	5,111786	0,86081333	1,816061845	---
17205087	3,637189	4,457205	4,044773	5,118593	4,916949	4,688105	4,046389	4,907882333	0,86149333	1,816918029	---
17209277	3,637189	4,457205	4,044773	5,118593	4,916949	4,688105	4,046389	4,907882333	0,86149333	1,816918029	---
17481252	4,064415	4,175801	3,870993	4,986181	4,785241	4,929862	4,0370697	4,900428	0,86335833	1,819268313	Olfr635
17204721	4,25605	3,799298	4,182858	4,234774	5,417333	5,186596	4,079402	4,946234333	0,86683233	1,823654378	---
17204927	6,410584	6,904101	7,083005	7,700302	7,697432	7,624705	6,79923	7,674146333	0,87491633	1,833901729	---
17359954	6,889009	7,608724	4,537863	7,098261	7,175143	7,393935	6,3451987	7,222446333	0,87724767	1,836867632	---
17251133	4,75329	4,861331	5,278083	4,48945	8,235524	4,802026	4,9642347	5,842333333	0,87809867	1,837951461	Myh8
17209027	5,20044	5,882795	5,654582	6,743938	6,354224	6,300987	5,5792723	6,466383	0,88711067	1,84946842	---
17210419	6,397504	5,527334	6,028057	6,74069	7,003836	6,891775	5,9842983	6,878767	0,89446867	1,858925132	---
17202157	5,071007	6,535285	4,749407	6,536989	6,321759	6,194466	5,4518997	6,351071333	0,89917167	1,864994876	---
17260931	6,573792	6,140242	6,141855	7,476162	7,330035	6,749777	6,2852963	7,185324667	0,90002833	1,866102631	Mir1933
17205113	4,41245	5,241523	4,57519	5,736159	5,812013	5,382543	4,7430543	5,643571667	0,90051733	1,866735252	---
17209303	4,41245	5,241523	4,57519	5,736159	5,812013	5,382543	4,7430543	5,643571667	0,90051733	1,866735252	---
17202453	4,494089	3,873011	4,026759	5,673283	4,513301	4,925044	4,1312863	5,037209333	0,905923	1,873742885	---
17200485	4,209943	4,82754	5,33332	5,299169	5,816394	5,973964	4,7902677	5,696509	0,90624133	1,874156376	---
17205831	4,631608	5,495257	4,571428	6,001696	6,159696	5,257069	4,899431	5,806153667	0,90672267	1,874781764	---
17204329	4,859004	5,439576	5,54223	6,368567	6,251134	5,949622	5,28027	6,189774333	0,90950433	1,878400026	---
17206397	5,077503	5,851973	4,249585	6,154199	5,955989	5,804386	5,059687	5,971524667	0,91183767	1,881440502	---
17544073	6,719188	6,285836	5,965624	7,164045	7,1389	7,429241	6,3235493	7,244062	0,92051267	1,892787783	Zcchc5
17475201	4,308971	4,165556	5,164009	5,616543	5,33219	5,467115	4,5461787	5,471949333	0,92577067	1,899698762	---
17205141	3,983029	4,576023	4,602403	4,633701	6,18988	5,127446	4,3871517	5,317009	0,92985733	1,905087595	---
17209331	3,983029	4,576023	4,602403	4,633701	6,18988	5,127446	4,3871517	5,317009	0,92985733	1,905087595	---
17209639	6,062567	5,504568	5,480777	6,807893	6,425591	6,606366	5,6826373	6,613283333	0,930646	1,906129318	---
17210205	4,414681	4,56922	3,741393	4,939489	5,729653	4,852473	4,2417647	5,173871667	0,932107	1,90806061	---
17274471	7,617066	7,811489	7,748353	8,851233	8,593587	8,553894	7,725636	8,666238	0,940602	1,919328959	Iah1
17210651	5,27681	4,426515	6,100923	6,513415	6,023511	6,124384	5,2680827	6,220436667	0,952354	1,935027407	---
17209607	4,013856	4,446001	4,263925	5,518674	5,87851	4,193812	4,2412607	5,196998667	0,955738	1,939571554	---
17209499	3,252042	3,146165	3,052506	4,026646	4,914697	3,377754	3,1502377	4,106365667	0,956128	1,940095944	---
17208429	5,746521	5,446385	5,177496	6,897249	6,30562	6,04106	5,4568007	6,414643	0,95784233	1,942402702	---
17204073	5,073156	5,085617	3,975291	5,179883	6,081461	5,747319	4,7113547	5,669554333	0,95819967	1,942883864	---
17391437	4,80187	5,686661	4,443655	5,021388	6,905148	5,920302	4,9773953	5,948946	0,97155067	1,960947168	---
17520631	10,99366	10,73085	10,58075	11,46695	11,95418	11,83698	10,76842	11,75270333	0,98428333	1,978330322	Rbp2
17203255	4,831338	4,520221	4,681825	5,967	5,892473	5,146048	4,6777947	5,668507	0,99071233	1,987165916	---
17205893	4,758998	5,105721	3,730596	6,026006	5,680878	4,870642	4,5317717	5,525842	0,99407033	1,991796607	---
17202129	3,20861	3,029094	3,620811	4,546822	4,149488	4,170055	3,2861717	4,288788333	1,00261667	2,003630762	---
17207857	4,555072	5,039477	4,191195	5,98609	5,677307	5,151801	4,595248	5,605066	1,009818	2,013657056	---
17405670	5,88159	5,007734	6,013001	6,543697	6,68351	6,7229	5,6341083	6,650035667	1,01592733	2,022202303	---
17200939	4,55829	3,683676	4,995365	5,582218	5,84134	4,866794	4,4124437	5,430117333	1,01767367	2,024651593	---
17200689	5,922539	5,733687	5,651772	6,699554	6,939281	6,733383	5,7693327	6,790739333	1,02140667	2,0298972	---
17202673	4,715605	4,31023	4,8897	5,776422	5,428235	5,776529	4,6385117	5,660395333	1,02188367	2,030568458	---
17208559	4,097034	4,712946	4,981062	5,730762	5,677474	5,504657	4,597014	5,637631	1,040617	2,057107232	---
17205625	3,748918	3,742617	4,072793	4,659687	4,946925	5,096867	3,854776	4,901159667	1,04638367	2,065346251	---
17270100	5,321312	5,492774	6,663275	6,54208	6,948622	7,132938	5,825787	6,874546667	1,04875967	2,068750509	---
17210509	6,242054	6,714545	5,435662	7,608724	6,725947	7,206413	6,1307537	7,180361333	1,04960767	2,069966855	---
17204385	3,706724	4,082936	3,944841	5,600402	4,777043	4,542022	3,9115003	4,973155667	1,06165533	2,087325123	---
17206833	3,399972	3,245539	3,324326	4,138442	5,046227	3,979743	3,323279	4,388137333	1,06485833	2,091964447	---
17202231	3,25389	5,050437	3,221449	4,974966	5,094995	4,664782	3,8419253	4,911581	1,06965567	2,098932348	---
17201793	5,852978	5,551153	4,917959	6,31153	6,169277	7,055365	5,4406967	6,512057333	1,07136067	2,101414366	---
17201969	5,852978	5,551153	4,917959	6,31153	6,169277	7,055365	5,4406967	6,512057333	1,07136067	2,101414366	---
17448772	8,183331	9,050362	9,156138	9,534993	9,97576	10,09641	8,7966103	9,869054333	1,072444	2,10299293	---
17209849	5,607119	3,02323	3,970835	5,059563	6,026959	4,760218	4,2003947	5,282246667	1,081852	2,11675163	---
17202513	6,003236	6,409036	6,918599	8,381017	6,508699	7,69192	6,4436237	7,527212	1,08358833	2,119300747	---
17204591	5,049173	5,963396	4,925231	6,401755	5,893254	6,903289	5,3126	6,399432667	1,08683267	2,124071995	---
17208641	4,896045	4,898727	4,536953	5,718565	5,794992	6,11862	4,7772417	5,877392333	1,10015067	2,143770796	---
17208797	3,404377	4,656722	4,640587	6,219923	4,934374	4,859151	4,2338953	5,337816	1,10392067	2,149380149	---
17274308	6,602966	7,21767	6,437325	8,086493	7,891853	7,606214	6,7526537	7,86152	1,10886633	2,156761029	---
17209557	4,198041	3,694432	3,277513	4,796169	5,224324	4,657907	3,7233287	4,8928	1,16947133	2,249292579	---
17206275	3,953144	4,83735	4,05091	5,750506	5,332628	5,285205	4,280468	5,456113	1,175645	2,25893851	---
17210175	3,936459	3,634521	3,85735	5,277321	4,452709	5,258775	3,8094433	4,996268333	1,186825	2,276511899	---
17280062	8,688115	8,497986	8,544823	10,01626	9,919919	9,384232	8,5769747	9,773470333	1,19649567	2,291823062	Lpin1
17208443	4,876545	5,955904	4,310563	6,194882	6,56977	6,085283	5,0476707	6,283311667	1,235641	2,354859523	---
17206865	5,398071	5,403666	5,001981	6,229296	7,094748	6,267233	5,267906	6,530425667	1,26251967	2,399143857	---
17209749	3,651848	4,477036	4,870068	5,476433	6,220964	5,177534	4,332984	5,624977	1,291993	2,448660904	---
17300364	4,12598	4,545621	4,269445	5,835475	5,950453	5,248885	4,313682	5,678271	1,364589	2,575029571	---
17452115	4,725577	6,228022	4,570632	6,784957	6,660327	6,188357	5,1747437	6,544547	1,36980333	2,584353341	Oas1g
17208025	3,651848	2,744061	4,346232	3,418746	6,386966	5,58268	3,5807137	5,129464	1,54875033	2,925636099	---
17543785	11,0036	4,914398	4,559996	11,0365	4,851061	10,94708	6,825998	8,944880333	2,11888233	4,343573148	Xist
17550444	10,83076	4,361137	4,363265	10,9859	4,188361	10,96021	6,5183873	8,711490333	2,193103	4,572879807	---
17550478	12,00101	4,830405	4,493602	12,1117	4,824306	11,99753	7,108339	9,644512	2,536173	5,800482852	---