

Table S3. Genes of module darkolivegreen2 and green4 with the absolute values of GS for E12.5 > 0.2 and MM > 0.8.

Gene Name	Gene ID	Module	Gene Significance	Module Membership	Gene Type
4933413J09Rik	ENSMUSG00000021874	darkolivegreen2	0.610439549	0.91863342	lncRNA
Lrp8os1	ENSMUSG00000028612	darkolivegreen2	0.784873736	0.810519187	lncRNA
4632404H12Rik	ENSMUSG00000042579	darkolivegreen2	-0.358555192	-0.882071953	lncRNA
Gm11292	ENSMUSG00000043145	darkolivegreen2	0.358838319	0.922211005	lncRNA
9630028B13Rik	ENSMUSG00000051295	darkolivegreen2	0.581985693	0.915055006	lncRNA
Gm9889	ENSMUSG00000052769	darkolivegreen2	0.648007511	0.89480736	lncRNA
A930005H10Rik	ENSMUSG00000054426	darkolivegreen2	-0.91156732	-0.802690589	lncRNA
Rbm3os	ENSMUSG00000055188	darkolivegreen2	0.559670642	0.941959844	lncRNA
Gm14168	ENSMUSG00000055494	darkolivegreen2	0.806654806	0.821179358	lncRNA
Gm9989	ENSMUSG00000056023	darkolivegreen2	0.525497096	0.933046656	lncRNA
4930473A02Rik	ENSMUSG00000060029	darkolivegreen2	0.428923479	0.90430991	lncRNA
F830208F22Rik	ENSMUSG00000073529	darkolivegreen2	0.438591208	0.820284694	lncRNA
E330020D12Rik	ENSMUSG00000073538	darkolivegreen2	0.4210406	0.879871363	lncRNA
Gm10650	ENSMUSG00000074237	darkolivegreen2	0.411712506	0.857360454	TEC
Gm10658	ENSMUSG00000074284	darkolivegreen2	0.650685356	0.841983826	lncRNA
Arhgap20os	ENSMUSG00000074354	darkolivegreen2	0.44997277	0.860626616	lncRNA
Gm14092	ENSMUSG00000074753	darkolivegreen2	0.838275184	0.932656161	lncRNA
4833422C13Rik	ENSMUSG00000074782	darkolivegreen2	0.588883232	0.972237006	lncRNA
Gm6878	ENSMUSG00000075549	darkolivegreen2	0.764787037	0.837219964	lncRNA
Gm14092	ENSMUSG00000075549	darkolivegreen2	0.838275184	0.932656161	lncRNA
Gm6878	ENSMUSG00000075549	darkolivegreen2	0.764787037	0.837219964	lncRNA
Gm12406	ENSMUSG00000084761	darkolivegreen2	0.569183579	0.89899467	lncRNA
Gm13605	ENSMUSG00000084768	darkolivegreen2	0.498202033	0.882902688	lncRNA
1700108N11Rik	ENSMUSG00000084837	darkolivegreen2	0.536447867	0.800888484	lncRNA
Gm11267	ENSMUSG00000084851	darkolivegreen2	0.590615128	0.909043031	lncRNA
Gm13794	ENSMUSG00000084906	darkolivegreen2	0.626492408	0.95416248	lncRNA
7330404K18Rik	ENSMUSG00000084942	darkolivegreen2	0.499452616	0.887986779	lncRNA
Gm12984	ENSMUSG00000085002	darkolivegreen2	0.805565103	0.917752499	lncRNA
Gm14011	ENSMUSG00000085036	darkolivegreen2	-0.750435596	-0.87511813	lncRNA
Gm15958	ENSMUSG00000085055	darkolivegreen2	0.629363026	0.802743865	lncRNA
Gm15631	ENSMUSG00000085067	darkolivegreen2	0.686160494	0.961545206	lncRNA
4930444E06Rik	ENSMUSG00000085127	darkolivegreen2	0.48732389	0.865902656	lncRNA

Gm12089	ENSMUSG00000085165	darkolivegreen2	0.481028217	0.91025865	lncRNA
C530005A16Rik	ENSMUSG00000085408	darkolivegreen2	0.468241935	0.800657397	lncRNA
Gm12018	ENSMUSG00000085453	darkolivegreen2	0.460516351	0.830223104	lncRNA
Gm16208	ENSMUSG00000085464	darkolivegreen2	0.484943419	0.894222645	lncRNA
Gm15691	ENSMUSG00000085472	darkolivegreen2	0.439366587	0.813288413	lncRNA
1700037C06Rik	ENSMUSG00000085542	darkolivegreen2	0.426927458	0.84334801	lncRNA
4930589P08Rik	ENSMUSG00000085593	darkolivegreen2	0.587332925	0.895035987	lncRNA
8430419K02Rik	ENSMUSG00000085743	darkolivegreen2	0.610598634	0.85607283	lncRNA
Gm16131	ENSMUSG00000085753	darkolivegreen2	0.837668636	0.916316435	lncRNA
Lrrc75aos2	ENSMUSG00000085762	darkolivegreen2	0.854270759	0.878393286	lncRNA
Atcayos	ENSMUSG00000085779	darkolivegreen2	0.561935008	0.963520784	lncRNA
A530010F05Rik	ENSMUSG00000085797	darkolivegreen2	0.629355623	0.923859393	lncRNA
Gm12167	ENSMUSG00000085853	darkolivegreen2	0.555656638	0.837900716	lncRNA
Gm11906	ENSMUSG00000085885	darkolivegreen2	-0.825999674	-0.844154922	lncRNA
Trp53cor1	ENSMUSG00000085912	darkolivegreen2	0.581467051	0.817481463	lncRNA
Gm12315	ENSMUSG00000085952	darkolivegreen2	0.608290274	0.925943002	lncRNA
4930481B07Rik	ENSMUSG00000085956	darkolivegreen2	0.69907425	0.956336214	lncRNA
Gm12408	ENSMUSG00000085980	darkolivegreen2	0.782592706	0.946769695	lncRNA
Unc45bos	ENSMUSG00000086058	darkolivegreen2	0.641273936	0.936465515	lncRNA
Gm12688	ENSMUSG00000086096	darkolivegreen2	0.403213065	0.858052121	lncRNA
Gm14291	ENSMUSG00000086098	darkolivegreen2	0.559295897	0.944218118	lncRNA
Gm13391	ENSMUSG00000086109	darkolivegreen2	0.685553448	0.945078502	lncRNA
Gm11665	ENSMUSG00000086222	darkolivegreen2	0.507322964	0.816302274	lncRNA
Gm11754	ENSMUSG00000086306	darkolivegreen2	0.482357383	0.939737392	lncRNA
B230369F24Rik	ENSMUSG00000086350	darkolivegreen2	0.512974742	0.962547549	lncRNA
Gm13938	ENSMUSG00000086354	darkolivegreen2	0.620949439	0.977035154	lncRNA
A630014C17Rik	ENSMUSG00000086395	darkolivegreen2	0.415429769	0.839856027	lncRNA
Gm12204	ENSMUSG00000086493	darkolivegreen2	0.500486478	0.956835591	lncRNA
2210417A02Rik	ENSMUSG00000086494	darkolivegreen2	0.531714727	0.929376166	lncRNA
Erich2os	ENSMUSG00000086515	darkolivegreen2	-0.652810218	-0.885508292	lncRNA
Gm12972	ENSMUSG00000086548	darkolivegreen2	0.427000919	0.849340669	lncRNA
Gm14426	ENSMUSG00000086559	darkolivegreen2	0.529328881	0.826771746	lncRNA
Gm15687	ENSMUSG00000086643	darkolivegreen2	0.734404936	0.838870913	lncRNA
Gm13054	ENSMUSG00000086806	darkolivegreen2	0.740017113	0.852485464	lncRNA
Ctrcos	ENSMUSG00000086818	darkolivegreen2	0.847328235	0.847665865	lncRNA
A430108G06Rik	ENSMUSG00000086851	darkolivegreen2	0.468952604	0.926744584	lncRNA

4930512H18Rik	ENSMUSG00000086866	darkolivegreen2	0.584855071	0.901028079	lncRNA
4930505O20Rik	ENSMUSG00000086912	darkolivegreen2	0.497803885	0.9387322	lncRNA
Gm16365	ENSMUSG00000086915	darkolivegreen2	0.344550724	0.827781099	lncRNA
Gm13017	ENSMUSG00000086960	darkolivegreen2	0.498202033	0.882902688	lncRNA
Tmem74bos	ENSMUSG00000087035	darkolivegreen2	0.526611358	0.891458985	protein_coding
Gm15423	ENSMUSG00000087082	darkolivegreen2	0.756587544	0.832709954	lncRNA
A930001C03Rik	ENSMUSG00000087132	darkolivegreen2	-0.384606894	-0.803557195	lncRNA
Gm14244	ENSMUSG00000087162	darkolivegreen2	0.513691488	0.939421207	lncRNA
Nr5a1os	ENSMUSG00000087164	darkolivegreen2	0.303940007	0.814394782	lncRNA
Gm13209	ENSMUSG00000087217	darkolivegreen2	0.577913439	0.947075549	lncRNA
C78197	ENSMUSG00000087242	darkolivegreen2	0.611974018	0.941421468	lncRNA
Gm12953	ENSMUSG00000087299	darkolivegreen2	-0.388568213	-0.835804918	lncRNA
Gm12503	ENSMUSG00000087326	darkolivegreen2	0.727527761	0.896070812	lncRNA
Gm13710	ENSMUSG00000087362	darkolivegreen2	0.713957828	0.97342031	lncRNA
Gm15892	ENSMUSG00000087373	darkolivegreen2	0.374744607	0.868805307	lncRNA
Gm15906	ENSMUSG00000087416	darkolivegreen2	0.693579884	0.869565665	lncRNA
Gm13174	ENSMUSG00000087454	darkolivegreen2	0.654653671	0.943847375	lncRNA
Gm15533	ENSMUSG00000087530	darkolivegreen2	0.647028398	0.966262418	lncRNA
Gm16576	ENSMUSG00000087543	darkolivegreen2	-0.535199687	-0.854603967	lncRNA
Ccdc142os	ENSMUSG00000087578	darkolivegreen2	-0.275377769	-0.885507356	lncRNA
Gm14635	ENSMUSG00000087591	darkolivegreen2	0.615685037	0.876180351	lncRNA
1700122E12Rik	ENSMUSG00000087685	darkolivegreen2	0.678586883	0.881440538	lncRNA
Gm15947	ENSMUSG00000089697	darkolivegreen2	0.389298984	0.841083109	lncRNA
Gm15679	ENSMUSG00000089819	darkolivegreen2	0.622283236	0.867471783	lncRNA
Gm15699	ENSMUSG00000089866	darkolivegreen2	0.486542443	0.822106665	lncRNA
Gm16213	ENSMUSG00000090017	darkolivegreen2	0.472974502	0.893554355	lncRNA
Slmapos2	ENSMUSG00000090104	darkolivegreen2	0.588645219	0.945201895	lncRNA
Gm17056	ENSMUSG00000090387	darkolivegreen2	0.535549457	0.882468597	lncRNA
Gm17225	ENSMUSG00000090427	darkolivegreen2	0.473734567	0.89000293	lncRNA
Gm17180	ENSMUSG00000090589	darkolivegreen2	0.372374866	0.823041834	lncRNA
Gm17197	ENSMUSG00000090990	darkolivegreen2	0.383320178	0.808730876	lncRNA
4930471C04Rik	ENSMUSG00000091686	darkolivegreen2	0.586442979	0.851818292	lncRNA
Gm10860	ENSMUSG00000093634	darkolivegreen2	0.862425058	0.833572214	lncRNA
Gm9866	ENSMUSG00000094002	darkolivegreen2	0.456242394	0.911830208	lncRNA
Gm15099	ENSMUSG00000094712	darkolivegreen2	0.58745407	0.883388177	lncRNA
Gm4755	ENSMUSG00000096940	darkolivegreen2	0.583008181	0.867716006	lncRNA

Gm26706	ENSMUSG00000097014	darkolivegreen2	0.522864728	0.836442666	lincRNA
Gm26604	ENSMUSG00000097079	darkolivegreen2	0.754759959	0.836968468	lncRNA
Gm26878	ENSMUSG00000097087	darkolivegreen2	0.508989367	0.809294159	lncRNA
Gm26615	ENSMUSG00000097088	darkolivegreen2	0.445382488	0.890761712	lincRNA
Gm6297	ENSMUSG00000097123	darkolivegreen2	0.676338614	0.890393982	lincRNA
Gm26511	ENSMUSG00000097155	darkolivegreen2	0.687017775	0.974678755	lncRNA
Snhg5	ENSMUSG00000097195	darkolivegreen2	0.480236837	0.896594908	lncRNA
Gm26599	ENSMUSG00000097220	darkolivegreen2	0.440025824	0.888340815	lincRNA
4930532G15Rik	ENSMUSG00000097261	darkolivegreen2	0.714057465	0.946602577	lncRNA
Gm26802	ENSMUSG00000097266	darkolivegreen2	0.547597003	0.957950476	lncRNA
C030034L19Rik	ENSMUSG00000097365	darkolivegreen2	0.233035978	0.837619921	lncRNA
AW047730	ENSMUSG00000097428	darkolivegreen2	0.468807272	0.879738962	lncRNA
Gm26783	ENSMUSG00000097435	darkolivegreen2	0.578173523	0.973340986	lncRNA
Gm26583	ENSMUSG00000097476	darkolivegreen2	0.557651103	0.961867626	lncRNA
4930558J18Rik	ENSMUSG00000097519	darkolivegreen2	0.793996549	0.867964044	lncRNA
Gm26844	ENSMUSG00000097522	darkolivegreen2	0.577717831	0.81826727	lncRNA
1700112J16Rik	ENSMUSG00000097527	darkolivegreen2	0.580795968	0.867867584	lncRNA
Gm26638	ENSMUSG00000097563	darkolivegreen2	0.444981924	0.847838397	lncRNA
Gm26640	ENSMUSG00000097569	darkolivegreen2	0.7718311	0.925464614	lncRNA
Gm17597	ENSMUSG00000097613	darkolivegreen2	0.395844052	0.924323865	lncRNA
Mhrt	ENSMUSG00000097652	darkolivegreen2	0.605725729	0.973233102	lncRNA
Gm16853	ENSMUSG00000097665	darkolivegreen2	0.610496355	0.970724275	lncRNA
Gm17508	ENSMUSG00000097701	darkolivegreen2	0.692340569	0.910734412	lncRNA
4930445N18Rik	ENSMUSG00000097738	darkolivegreen2	0.438709773	0.891806914	lncRNA
Gm26690	ENSMUSG00000097751	darkolivegreen2	0.653186218	0.964956265	lincRNA
Gm26777	ENSMUSG00000097801	darkolivegreen2	0.806379244	0.839089566	lncRNA
E530011L22Rik	ENSMUSG00000097820	darkolivegreen2	0.56290984	0.935103974	lncRNA
Gm16701	ENSMUSG00000097823	darkolivegreen2	0.539141382	0.945331333	lncRNA
1700039M10Rik	ENSMUSG00000097933	darkolivegreen2	0.447392883	0.895840871	lncRNA
Gm26971	ENSMUSG00000097983	darkolivegreen2	0.318639837	0.858753455	lncRNA
Bvht	ENSMUSG00000098098	darkolivegreen2	-0.613542614	-0.831765715	lncRNA
BC051537	ENSMUSG00000098197	darkolivegreen2	0.501639613	0.877788175	lncRNA
1700027I24Rik	ENSMUSG00000098304	darkolivegreen2	0.653351517	0.969488385	lncRNA
Gm27191	ENSMUSG00000098311	darkolivegreen2	0.578911939	0.93320678	lncRNA
Gm28037	ENSMUSG00000098371	darkolivegreen2	0.537425996	0.826455088	lncRNA
2010110E17Rik	ENSMUSG00000098434	darkolivegreen2	0.571008523	0.843692015	lncRNA

Gm27168	ENSMUSG00000099162	darkolivegreen2	0.494679214	0.844005131	lncRNA
4933411E06Rik	ENSMUSG00000099608	darkolivegreen2	0.61368032	0.834565957	lncRNA
2900093K20Rik	ENSMUSG00000099632	darkolivegreen2	-0.450054707	-0.8278221	lncRNA
Gm28884	ENSMUSG00000099767	darkolivegreen2	0.762722511	0.852232654	lncRNA
Gm29440	ENSMUSG00000100029	darkolivegreen2	0.654653671	0.943847375	lncRNA
Gm29064	ENSMUSG00000100129	darkolivegreen2	0.518489312	0.906350504	lncRNA
Gm28942	ENSMUSG00000100170	darkolivegreen2	0.654653671	0.943847375	lncRNA
Gm28634	ENSMUSG00000100185	darkolivegreen2	0.444987908	0.836376951	lncRNA
Gm20324	ENSMUSG00000100199	darkolivegreen2	0.585008195	0.83207678	lncRNA
1700031P21Rik	ENSMUSG00000100315	darkolivegreen2	0.635107524	0.943384899	lncRNA
Gm29152	ENSMUSG00000100437	darkolivegreen2	0.749951216	0.804205073	lncRNA
C530043A13Rik	ENSMUSG00000100444	darkolivegreen2	0.448523651	0.914454227	lncRNA
Gm19261	ENSMUSG00000100529	darkolivegreen2	0.40878744	0.877747676	lncRNA
Gm28610	ENSMUSG00000100685	darkolivegreen2	0.74943505	0.842066603	lncRNA
1700029B22Rik	ENSMUSG00000100759	darkolivegreen2	0.670896554	0.935691452	lncRNA
Gm29208	ENSMUSG00000100795	darkolivegreen2	0.53925219	0.940081995	lncRNA
2010009K17Rik	ENSMUSG00000100860	darkolivegreen2	0.534849022	0.814615995	lncRNA
1700008K24Rik	ENSMUSG00000101012	darkolivegreen2	0.300437619	0.900406601	lncRNA
Gm28289	ENSMUSG00000101014	darkolivegreen2	0.483610695	0.869567199	lncRNA
1700100L14Rik	ENSMUSG00000101051	darkolivegreen2	0.716204096	0.961049545	lncRNA
Platr1	ENSMUSG00000101061	darkolivegreen2	0.486763926	0.933310156	lncRNA
Gm29114	ENSMUSG00000101156	darkolivegreen2	0.31595311	0.888820831	lncRNA
Gm29464	ENSMUSG00000101237	darkolivegreen2	0.66780693	0.95526807	lncRNA
2010310C07Rik	ENSMUSG00000101268	darkolivegreen2	0.562043092	0.97812544	lncRNA
Gm28229	ENSMUSG00000101335	darkolivegreen2	0.518013071	0.936242556	lncRNA
Gm19325	ENSMUSG00000101365	darkolivegreen2	0.321215684	0.824249744	lncRNA
Gm29560	ENSMUSG00000101641	darkolivegreen2	0.274966979	0.854111353	TEC
Gm29015	ENSMUSG00000101680	darkolivegreen2	0.702215585	0.808737105	lncRNA
1700072G22Rik	ENSMUSG00000101702	darkolivegreen2	0.635107524	0.943384899	lncRNA
D130051D11Rik	ENSMUSG00000101828	darkolivegreen2	-0.518095775	-0.870162909	lincRNA
Gm28982	ENSMUSG00000101832	darkolivegreen2	0.421897961	0.851325185	lncRNA
Gm28324	ENSMUSG00000101886	darkolivegreen2	0.654653671	0.943847375	lncRNA
Gm28721	ENSMUSG00000101951	darkolivegreen2	0.60647474	0.913618108	lncRNA
Zbtb11os1	ENSMUSG00000102101	darkolivegreen2	0.768856148	0.839810442	lncRNA
Gm37107	ENSMUSG00000102136	darkolivegreen2	0.528563024	0.816217318	lncRNA
Gm10344	ENSMUSG00000102207	darkolivegreen2	0.511870222	0.942665455	TEC

Gm37302	ENSMUSG00000102227	darkolivegreen2	0.501233562	0.930184584	TEC
Gm37714	ENSMUSG00000102244	darkolivegreen2	0.581637084	0.917068796	TEC
Gm38257	ENSMUSG00000102258	darkolivegreen2	0.690709004	0.885059518	TEC
A930036K24Rik	ENSMUSG00000102375	darkolivegreen2	0.382003975	0.913799037	TEC
Gm38144	ENSMUSG00000102385	darkolivegreen2	0.563713858	0.817159646	TEC
Gm38187	ENSMUSG00000102403	darkolivegreen2	0.449931771	0.813912409	TEC
Gm37508	ENSMUSG00000102456	darkolivegreen2	0.526198495	0.910606584	TEC
Gm37040	ENSMUSG00000102568	darkolivegreen2	0.265951983	0.819173628	TEC
Gm38386	ENSMUSG00000102599	darkolivegreen2	0.402984526	0.824979668	TEC
Gm37843	ENSMUSG00000102614	darkolivegreen2	0.577593413	0.913172441	TEC
4632432E15Rik	ENSMUSG00000102705	darkolivegreen2	0.405133914	0.925737561	TEC
Gm37759	ENSMUSG00000102717	darkolivegreen2	0.443247852	0.90480491	lncRNA
Gm37935	ENSMUSG00000102722	darkolivegreen2	0.563321889	0.952409764	TEC
Gm37343	ENSMUSG00000102734	darkolivegreen2	0.654653671	0.943847375	TEC
Gm37600	ENSMUSG00000102745	darkolivegreen2	0.592921969	0.943816037	TEC
Gm38165	ENSMUSG00000102778	darkolivegreen2	0.834851231	0.945545705	lncRNA
Gm37012	ENSMUSG00000102830	darkolivegreen2	0.53310329	0.800169873	TEC
Gm9694	ENSMUSG00000102833	darkolivegreen2	0.69596577	0.968467488	TEC
Gm37014	ENSMUSG00000102838	darkolivegreen2	0.486411785	0.936731339	TEC
Gm37084	ENSMUSG00000102856	darkolivegreen2	0.649036798	0.816530947	TEC
Gm37634	ENSMUSG00000102864	darkolivegreen2	0.607629805	0.910185505	lncRNA
Gm37725	ENSMUSG00000102916	darkolivegreen2	0.47783827	0.883546609	TEC
Gm38355	ENSMUSG00000102935	darkolivegreen2	0.35377595	0.895682229	TEC
Gm37943	ENSMUSG00000102960	darkolivegreen2	0.624123821	0.846618313	TEC
E430014B02Rik	ENSMUSG00000102973	darkolivegreen2	0.537844317	0.933965593	TEC
Gm38320	ENSMUSG00000102983	darkolivegreen2	0.513905217	0.916886699	TEC
4930456G14Rik	ENSMUSG00000102985	darkolivegreen2	0.652684603	0.945851332	TEC
Gm37307	ENSMUSG00000103044	darkolivegreen2	0.817734852	0.897426673	TEC
Gm38123	ENSMUSG00000103080	darkolivegreen2	0.540184163	0.886842746	TEC
Gm37977	ENSMUSG00000103131	darkolivegreen2	0.422905799	0.832538506	TEC
Gm37728	ENSMUSG00000103220	darkolivegreen2	0.488001605	0.942921022	TEC
Gm38090	ENSMUSG00000103246	darkolivegreen2	0.397597282	0.817290427	TEC
Gm38341	ENSMUSG00000103315	darkolivegreen2	0.594975349	0.845482164	TEC
Gm37932	ENSMUSG00000103404	darkolivegreen2	0.566292931	0.910596922	TEC
Gm37247	ENSMUSG00000103466	darkolivegreen2	0.613605435	0.818779176	TEC
Gm37696	ENSMUSG00000103473	darkolivegreen2	0.520879575	0.82058715	lncRNA

Gm37669	ENSMUSG00000103543	darkolivegreen2	0.68425044	0.967467047	TEC
Gm38218	ENSMUSG00000103553	darkolivegreen2	0.305991223	0.895414253	TEC
Gm37950	ENSMUSG00000103617	darkolivegreen2	0.503100093	0.912739711	lncRNA
Gm37357	ENSMUSG00000103625	darkolivegreen2	0.602439972	0.93358409	TEC
Gm38039	ENSMUSG00000103719	darkolivegreen2	0.631732788	0.898285434	lncRNA
Gm37861	ENSMUSG00000103762	darkolivegreen2	0.773900845	0.818726833	TEC
Gm37856	ENSMUSG00000103768	darkolivegreen2	0.561148014	0.910768725	TEC
Gm37063	ENSMUSG00000103805	darkolivegreen2	0.767669144	0.886710466	TEC
Gm36963	ENSMUSG00000103932	darkolivegreen2	0.724060201	0.875443618	TEC
Gm38128	ENSMUSG00000104051	darkolivegreen2	0.577461371	0.969735715	TEC
A930014E01Rik	ENSMUSG00000104092	darkolivegreen2	0.526912628	0.958269393	TEC
4921511E07Rik	ENSMUSG00000104133	darkolivegreen2	0.604250238	0.968006597	TEC
1700054O19Rik	ENSMUSG00000104183	darkolivegreen2	0.614722431	0.914076271	TEC
Gm37125	ENSMUSG00000104351	darkolivegreen2	0.55260144	0.965224293	TEC
Gm37959	ENSMUSG00000104396	darkolivegreen2	0.659303796	0.848111528	TEC
Gm37065	ENSMUSG00000104413	darkolivegreen2	0.442650849	0.880274663	lncRNA
Gm37831	ENSMUSG00000104451	darkolivegreen2	0.455296975	0.872997595	TEC
Gm37660	ENSMUSG00000104467	darkolivegreen2	0.5402128	0.823734415	TEC
Gm33142	ENSMUSG00000104484	darkolivegreen2	0.492268942	0.83196477	TEC
Rbakdn	ENSMUSG00000104529	darkolivegreen2	0.690109088	0.845013145	lncRNA
Gm43356	ENSMUSG00000104617	darkolivegreen2	0.78678041	0.910139213	lncRNA
Gm42461	ENSMUSG00000104634	darkolivegreen2	0.353406662	0.809235084	TEC
Gm30484	ENSMUSG00000104645	darkolivegreen2	0.624643921	0.893121046	lncRNA
Gm43814	ENSMUSG00000104654	darkolivegreen2	0.586816602	0.889791981	TEC
Gm43062	ENSMUSG00000104671	darkolivegreen2	0.603703291	0.937332873	lncRNA
4933437G19Rik	ENSMUSG00000104719	darkolivegreen2	0.448291245	0.891278568	TEC
Gm42544	ENSMUSG00000104869	darkolivegreen2	0.571383292	0.919566509	TEC
Gm43567	ENSMUSG00000104878	darkolivegreen2	0.624643921	0.893121046	lncRNA
Gm43002	ENSMUSG00000104924	darkolivegreen2	0.568974817	0.89201668	TEC
9430087B13Rik	ENSMUSG00000104971	darkolivegreen2	0.554229906	0.965689597	TEC
Gm43622	ENSMUSG00000104988	darkolivegreen2	0.70453492	0.834665429	TEC
A530030E21Rik	ENSMUSG00000105160	darkolivegreen2	0.562717349	0.883376275	TEC
Gm42691	ENSMUSG00000105276	darkolivegreen2	0.571997968	0.822256001	lincRNA
Gm42680	ENSMUSG00000105334	darkolivegreen2	0.457314429	0.852514609	TEC
Gm43244	ENSMUSG00000105342	darkolivegreen2	0.778751365	0.945745928	lncRNA
5830411K02Rik	ENSMUSG00000105421	darkolivegreen2	0.528072789	0.866517919	TEC

Gm43837	ENSMUSG00000105443	darkolivegreen2	0.646068889	0.945284366	lncRNA
Gm42591	ENSMUSG00000105500	darkolivegreen2	0.266399064	0.853242173	TEC
5330426L24Rik	ENSMUSG00000105501	darkolivegreen2	0.589583489	0.945016481	lncRNA
Gm43684	ENSMUSG00000105613	darkolivegreen2	0.492010191	0.93484578	TEC
Gm43327	ENSMUSG00000105695	darkolivegreen2	0.770940609	0.859404747	TEC
Gm42772	ENSMUSG00000105700	darkolivegreen2	0.390323894	0.847331764	TEC
Gm43780	ENSMUSG00000105702	darkolivegreen2	0.472456678	0.819676352	TEC
Gm43607	ENSMUSG00000105767	darkolivegreen2	0.635107524	0.943384899	lncRNA
Gm43819	ENSMUSG00000105826	darkolivegreen2	0.533187447	0.894849187	TEC
Gm42905	ENSMUSG00000105882	darkolivegreen2	0.654653671	0.943847375	TEC
Gm43065	ENSMUSG00000105986	darkolivegreen2	0.37649435	0.907717504	lncRNA
1700042D02Rik	ENSMUSG00000105991	darkolivegreen2	0.421536922	0.83884079	lncRNA
Gm42929	ENSMUSG00000106022	darkolivegreen2	0.835928309	0.910808447	TEC
Gm43613	ENSMUSG00000106162	darkolivegreen2	0.426763824	0.908753981	lncRNA
Gm43733	ENSMUSG00000106223	darkolivegreen2	0.510572131	0.898958941	lncRNA
Gm42907	ENSMUSG00000106254	darkolivegreen2	0.422017085	0.820318973	TEC
Gm42880	ENSMUSG00000106280	darkolivegreen2	0.309853809	0.826156826	lncRNA
Gm43357	ENSMUSG00000106398	darkolivegreen2	0.515300448	0.889088556	lncRNA
Gm42535	ENSMUSG00000106604	darkolivegreen2	0.786481534	0.871526993	TEC
Gm43087	ENSMUSG00000106629	darkolivegreen2	0.617101577	0.888321404	lncRNA
Gm43176	ENSMUSG00000106648	darkolivegreen2	0.556955632	0.909860597	TEC
Gm42894	ENSMUSG00000106694	darkolivegreen2	0.333432784	0.851737063	TEC
Gm43748	ENSMUSG00000106707	darkolivegreen2	0.385552274	0.854166983	TEC
Gm43050	ENSMUSG00000106795	darkolivegreen2	0.547692895	0.857684249	lncRNA
Gm10441	ENSMUSG00000106807	darkolivegreen2	0.422201022	0.829501231	lncRNA
Gm43636	ENSMUSG00000107045	darkolivegreen2	0.271503204	0.841059023	TEC
Gm43452	ENSMUSG00000107093	darkolivegreen2	0.654653671	0.943847375	lncRNA
Gm3822	ENSMUSG00000107125	darkolivegreen2	0.386800079	0.805695802	TEC
Gm43152	ENSMUSG00000107152	darkolivegreen2	0.621841375	0.938104105	TEC
Gm42738	ENSMUSG00000107219	darkolivegreen2	0.8481338	0.872605832	lncRNA
Gm43371	ENSMUSG00000107234	darkolivegreen2	0.402557244	0.826095781	TEC
Gm15469	ENSMUSG00000107265	darkolivegreen2	0.670667895	0.955345536	lncRNA
Gm43698	ENSMUSG00000107266	darkolivegreen2	0.815125788	0.873861073	lncRNA
Gm42577	ENSMUSG00000107306	darkolivegreen2	0.454245965	0.855478246	TEC
Gm43479	ENSMUSG00000107365	darkolivegreen2	0.561566302	0.932341754	lncRNA
Gm4640	ENSMUSG00000107434	darkolivegreen2	0.622239752	0.862692526	lncRNA

Gm43866	ENSMUSG00000107548	darkolivegreen2	0.657746532	0.865876976	TEC
2010109P13Rik	ENSMUSG00000107558	darkolivegreen2	0.654653671	0.943847375	TEC
Gm43877	ENSMUSG00000107571	darkolivegreen2	0.477988676	0.86767362	TEC
Gm44401	ENSMUSG00000107760	darkolivegreen2	0.565988364	0.909492228	TEC
Gm44105	ENSMUSG00000107795	darkolivegreen2	0.659744528	0.931868107	lncRNA
Gm44209	ENSMUSG00000107809	darkolivegreen2	0.439160912	0.814695989	TEC
Gm44185	ENSMUSG00000107841	darkolivegreen2	0.550027112	0.929830928	TEC
Gm43912	ENSMUSG00000108024	darkolivegreen2	0.454955525	0.875724571	TEC
Gm44007	ENSMUSG00000108026	darkolivegreen2	0.516992957	0.891551542	TEC
Zim3	ENSMUSG00000108043	darkolivegreen2	0.809421056	0.839004564	lncRNA
Gm43924	ENSMUSG00000108046	darkolivegreen2	0.485534728	0.861829474	TEC
Gm43990	ENSMUSG00000108048	darkolivegreen2	0.445715096	0.817881525	TEC
Gm44234	ENSMUSG00000108057	darkolivegreen2	0.545763531	0.934721796	TEC
Gm43872	ENSMUSG00000108070	darkolivegreen2	0.835116194	0.820974607	TEC
RP24-491O6.1	ENSMUSG00000108112	darkolivegreen2	-0.589402628	-0.818207389	lncRNA
Gm43965	ENSMUSG00000108176	darkolivegreen2	0.705083697	0.838961255	TEC
RP23-455C13.7	ENSMUSG00000108322	darkolivegreen2	0.386344348	0.922151581	lncRNA
RP24-144C5.1	ENSMUSG00000108353	darkolivegreen2	0.445763378	0.875827921	TEC
Snhg1	ENSMUSG00000108414	darkolivegreen2	0.395831435	0.85954436	lncRNA
RP23-64D23.7	ENSMUSG00000108466	darkolivegreen2	-0.503319818	-0.821636121	TEC
RP24-255H18.1	ENSMUSG00000108505	darkolivegreen2	0.454955525	0.875724571	lncRNA
RP23-8I8.4	ENSMUSG00000108601	darkolivegreen2	0.37469084	0.823003999	TEC
RP23-201L15.6	ENSMUSG00000108671	darkolivegreen2	0.380280827	0.851249131	TEC
RP23-338G5.1	ENSMUSG00000108739	darkolivegreen2	0.586820542	0.93384863	lncRNA
RP23-124O24.4	ENSMUSG00000108872	darkolivegreen2	0.530661243	0.8703916	processed transcript
RP23-36D15.8	ENSMUSG00000108930	darkolivegreen2	0.482742626	0.833414237	lncRNA
RP23-428N8.4	ENSMUSG00000108985	darkolivegreen2	0.620907687	0.950497463	TEC
RP24-439I22.9	ENSMUSG00000109122	darkolivegreen2	0.566382718	0.961208509	TEC
RP24-267C3.3	ENSMUSG00000109125	darkolivegreen2	0.669328174	0.885618601	lncRNA
RP23-331A21.6	ENSMUSG00000109149	darkolivegreen2	0.507322352	0.905376635	lncRNA
RP23-1E3.2	ENSMUSG00000109158	darkolivegreen2	0.921585797	0.826268566	TEC
RP23-124O24.3	ENSMUSG00000109216	darkolivegreen2	0.409219981	0.938051981	TEC
RP24-267C3.1	ENSMUSG00000109242	darkolivegreen2	0.756519258	0.917165703	TEC
RP23-316J6.4	ENSMUSG00000109277	darkolivegreen2	0.645480431	0.905816887	lncRNA
RP23-378L12.4	ENSMUSG00000109298	darkolivegreen2	0.540175	0.92081823	lncRNA
RP23-183J18.2	ENSMUSG00000109299	darkolivegreen2	0.563713858	0.817159646	lncRNA

RP23-36D15.9	ENSMUSG00000109307	darkolivegreen2	0.592291146	0.909104216	lncRNA
RP24-63H14.3	ENSMUSG00000109387	darkolivegreen2	0.697036704	0.958725166	TEC
RP23-474B17.1	ENSMUSG00000109562	darkolivegreen2	0.487971858	0.874721364	TEC
RP23-410K18.1	ENSMUSG00000109574	darkolivegreen2	0.737030278	0.860147321	TEC
Megf10	NM_001001979	darkolivegreen2	0.752948523	0.804840646	protein_coding
Masp2	NM_001003893	darkolivegreen2	0.654507314	0.941111674	protein_coding
A3galt2	NM_001009819	darkolivegreen2	0.476298185	0.914391768	protein_coding
Olfir543	NM_001011782	darkolivegreen2	0.70413945	0.941010079	protein_coding
Dhrs7c	NM_001013013	darkolivegreen2	0.46258041	0.838718778	protein_coding
Snx32	NM_001024560	darkolivegreen2	0.611489677	0.904762311	protein_coding
Serinc4	NM_001025371	darkolivegreen2	0.571695116	0.840933551	protein_coding
Tas2r137	NM_001025385	darkolivegreen2	0.636572022	0.856384187	protein_coding
Shcbp11	NM_001033162	darkolivegreen2	0.399909141	0.883474105	protein_coding
Klrg2	NM_001033171	darkolivegreen2	0.336377443	0.813370827	protein_coding
Cfap44	NM_001033247	darkolivegreen2	0.50598006	0.95745514	protein_coding
Qrich2	NM_001033267	darkolivegreen2	0.558453027	0.90377646	protein_coding
Ampd1	NM_001033303	darkolivegreen2	0.637426202	0.962843166	protein_coding
Rltpr	NM_001033320	darkolivegreen2	0.845601937	0.932551386	protein_coding
Lsmem1	NM_001033437	darkolivegreen2	0.553994915	0.914563791	protein_coding
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Ldlrad2	NM_001033979	darkolivegreen2	0.602068793	0.957616956	protein_coding
Alpk2	NM_001037294	darkolivegreen2	0.751117081	0.918515301	protein_coding
Ccdc17	NM_001037916	darkolivegreen2	0.545421657	0.883840212	protein_coding
Svbp	NM_001038998	darkolivegreen2	0.626891155	0.927370494	protein_coding
Klhl15	NM_001039059	darkolivegreen2	0.252090467	0.840066312	protein_coding
Tmsb10	NM_001039392	darkolivegreen2	0.598634317	0.988212903	protein_coding
Asphd1	NM_001039645	darkolivegreen2	0.795324321	0.833756898	protein_coding
Dear1	NM_001040461	darkolivegreen2	0.67207339	0.903391502	ncRNA
Srsf5	NM_001079694	darkolivegreen2	0.870029199	0.897086947	protein_coding
Trim72	NM_001079932	darkolivegreen2	0.652078897	0.991617895	protein_coding
Efcab3	NM_001081046	darkolivegreen2	0.366626793	0.845376035	protein_coding
Klhl41	NM_001081087	darkolivegreen2	0.544651238	0.896992583	protein_coding
Saxo1	NM_001081096	darkolivegreen2	0.786563267	0.81250152	protein_coding
Lmod3	NM_001081157	darkolivegreen2	0.652235438	0.970912255	protein_coding
Frmpd1	NM_001081172	darkolivegreen2	0.422243607	0.873926144	protein_coding
Stum	NM_001081227	darkolivegreen2	0.458352946	0.891523169	protein_coding

Trim55	NM_001081281	darkolivegreen2	0.508644402	0.913892459	protein_coding
L3mbtl1	NM_001081338	darkolivegreen2	0.601491162	0.926515225	protein_coding
Rbm24	NM_001081425	darkolivegreen2	0.657827728	0.892953324	protein_coding
Myh7b	NM_001085378	darkolivegreen2	0.578250495	0.98324266	protein_coding
Smcr8	NM_001085440	darkolivegreen2	0.885314425	0.829134906	protein_coding
Myom3	NM_001085509	darkolivegreen2	0.615161639	0.970870202	protein_coding
Duox1	NM_001099297	darkolivegreen2	0.721563815	0.839405646	protein_coding
Sh2d5	NM_001099631	darkolivegreen2	0.650307176	0.822286742	protein_coding
Myh3	NM_001099635	darkolivegreen2	0.623818914	0.958031491	protein_coding
Zglp1	NM_001103168	darkolivegreen2	0.779841695	0.898267188	protein_coding
Rnf146	NM_001110196	darkolivegreen2	0.666985364	0.927663681	protein_coding
Capn12	NM_001110807	darkolivegreen2	0.598788073	0.923196332	protein_coding
Lrrc73	NM_001111142	darkolivegreen2	0.817702345	0.863231564	protein_coding
Ubap1l	NM_001111145	darkolivegreen2	0.399910289	0.917534763	protein_coding
Cldn24	NM_001111318	darkolivegreen2	0.61581265	0.962975386	protein_coding
Myl1	NM_001113387	darkolivegreen2	0.625510772	0.956878735	protein_coding
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Dach2	NM_001142570	darkolivegreen2	0.315203193	0.86205198	protein_coding
Tmem150b	NM_001142792	darkolivegreen2	0.54744532	0.906019842	protein_coding
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Grip2	NM_001159507	darkolivegreen2	0.389732221	0.889648218	protein_coding
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Rsph4a	NM_001162957	darkolivegreen2	0.617418176	0.946660991	protein_coding
Gp6	NM_001163014	darkolivegreen2	0.643015143	0.801360585	protein_coding
Sirt6	NM_001163430	darkolivegreen2	0.514149951	0.814406734	protein_coding
Extl2	NM_001163514	darkolivegreen2	-0.446726782	-0.830103928	protein_coding
Gm6904	NM_001164329	darkolivegreen2	0.475312168	0.894298837	pseudogene
Adamts20	NM_001164785	darkolivegreen2	0.348900616	0.83391199	protein_coding
Aste1	NM_001164828	darkolivegreen2	0.251048308	0.820958193	protein_coding
Nme9	NM_001165957	darkolivegreen2	0.618313498	0.975084439	protein_coding

Mylk4	NM_001166030	darkolivegreen2	0.496640782	0.92285059	protein_coding
Zfp638	NM_001166371	darkolivegreen2	0.414834262	0.872645576	protein_coding
Eif5a	NM_001166589	darkolivegreen2	0.448367129	0.899433741	protein_coding
Morf4l2	NM_001168225	darkolivegreen2	0.617284178	0.957614074	protein_coding
Pym1	NM_001170869	darkolivegreen2	0.794806292	0.878135702	protein_coding
Actl10	NM_001171640	darkolivegreen2	0.612923664	0.904756879	protein_coding
Slc10a1	NM_001177561	darkolivegreen2	0.478398233	0.918904426	protein_coding
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Kcnmb3	NM_001195074	darkolivegreen2	0.499109016	0.967394325	protein_coding
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Tpbgl	NM_001195529	darkolivegreen2	0.337969844	0.848047987	protein_coding
Gm5741	NM_001195531	darkolivegreen2	0.403224627	0.881941878	protein_coding
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Spc25	NM_001199123	darkolivegreen2	0.610061321	0.828437915	protein_coding
Snx5	NM_001199188	darkolivegreen2	0.909127049	0.805069079	protein_coding
Tex14	NM_001199293	darkolivegreen2	0.404700374	0.854621536	protein_coding
Hs3st4	NM_001252072	darkolivegreen2	0.73075475	0.865370799	protein_coding
Rpain	NM_001252413	darkolivegreen2	0.410226904	0.842423432	protein_coding
Tjap1	NM_001252473	darkolivegreen2	0.368284449	0.869828029	protein_coding
Prmt1	NM_001252476	darkolivegreen2	0.860866537	0.839079911	protein_coding
Ube2w	NM_001271016	darkolivegreen2	0.668433347	0.834049276	protein_coding
Sh3glb1	NM_001282037	darkolivegreen2	0.474419366	0.881361146	protein_coding
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Homer1	NM_001284189	darkolivegreen2	0.560455216	0.885160858	protein_coding
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Galk2	NM_001291002	darkolivegreen2	0.651289701	0.871525771	protein_coding
Ngb	NM_001294308	darkolivegreen2	0.668259991	0.899218925	protein_coding
Vgll2	NM_001300957	darkolivegreen2	0.785990126	0.938950644	protein_coding
Nrn1l	NM_001301174	darkolivegreen2	0.464259839	0.894663581	protein_coding
Tex35	NM_001305059	darkolivegreen2	0.617733107	0.806618099	protein_coding
Il13ra2	NM_001306059	darkolivegreen2	0.24305768	0.815571055	protein_coding
Synpo2l	NM_001310431	darkolivegreen2	0.643289551	0.933501961	protein_coding
Msantd1	NM_001310550	darkolivegreen2	0.341056217	0.833228238	protein_coding
Hoxa1	NM_001311118	darkolivegreen2	0.760674989	0.833920809	protein_coding
Il12rb2	NM_001311141	darkolivegreen2	0.779181955	0.970221446	protein_coding

Cryba1	NM_001313933	darkolivegreen2	0.306171974	0.802816819	protein_coding
Cnbd2	NM_001316755	darkolivegreen2	0.48693745	0.850672365	protein_coding
Cd55b	NM_001317361	darkolivegreen2	0.446255033	0.894256171	protein_coding
Tecta	NM_001324548	darkolivegreen2	0.887943172	0.843111673	protein_coding
Chrna1	NM_007389	darkolivegreen2	0.631112289	0.963521223	protein_coding
Acrv1	NM_007391	darkolivegreen2	0.646887819	0.96661923	protein_coding
Alx4	NM_007442	darkolivegreen2	0.954428592	0.82898118	protein_coding
Atp2a1	NM_007504	darkolivegreen2	0.703439204	0.96836463	protein_coding
Bcl2a1d	NM_007536	darkolivegreen2	0.544923167	0.810775622	protein_coding
Opn1sw	NM_007538	darkolivegreen2	0.571094686	0.97526054	protein_coding
Bik	NM_007546	darkolivegreen2	-0.295351842	-0.812240958	protein_coding
Cxcr5	NM_007551	darkolivegreen2	0.5676795	0.899488269	protein_coding
Cacng1	NM_007582	darkolivegreen2	0.934752893	0.867632356	protein_coding
Cbx3	NM_007624	darkolivegreen2	0.430269097	0.818227911	protein_coding
Cd79a	NM_007655	darkolivegreen2	0.70149016	0.933682887	protein_coding
Cdh15	NM_007662	darkolivegreen2	0.782826861	0.928156916	protein_coding
Col19a1	NM_007733	darkolivegreen2	0.743908697	0.927474919	protein_coding
Fgf7	NM_008008	darkolivegreen2	0.424322656	0.899210873	protein_coding
Fosb	NM_008036	darkolivegreen2	0.370354466	0.840556797	protein_coding
Gnat1	NM_008140	darkolivegreen2	0.425033825	0.882079347	protein_coding
Gp5	NM_008148	darkolivegreen2	0.618129254	0.965928312	protein_coding
Gpr3	NM_008154	darkolivegreen2	0.769836331	0.953133265	protein_coding
Gpr27	NM_008158	darkolivegreen2	0.865394458	0.850622796	protein_coding
Cxcl1	NM_008176	darkolivegreen2	0.570059848	0.860592191	protein_coding
Hbb-bh1	NM_008219	darkolivegreen2	0.853632957	0.851294881	protein_coding
Hbb-y	NM_008221	darkolivegreen2	0.66323939	0.935946606	protein_coding
Il7r	NM_008372	darkolivegreen2	0.487568704	0.939323117	protein_coding
Fabp6	NM_008375	darkolivegreen2	0.560027794	0.881274844	protein_coding
Ltb	NM_008518	darkolivegreen2	0.546548349	0.935845944	protein_coding
Mageb3	NM_008545	darkolivegreen2	0.870198447	0.882847559	protein_coding
Ppp1r15a	NM_008654	darkolivegreen2	0.418949003	0.839262182	protein_coding
Myf5	NM_008656	darkolivegreen2	0.467549627	0.870964077	protein_coding
Myom2	NM_008664	darkolivegreen2	0.507741759	0.933721347	protein_coding
Nppa	NM_008725	darkolivegreen2	0.745358824	0.926005224	protein_coding
Pax1	NM_008780	darkolivegreen2	0.881260877	0.915027222	protein_coding
Pfkfb1	NM_008824	darkolivegreen2	0.6593073	0.904877037	protein_coding

Pitx3	NM_008852	darkolivegreen2	0.718876877	0.950838193	protein_coding
Prl3b1	NM_008865	darkolivegreen2	0.541236025	0.960817538	protein_coding
Ppia	NM_008907	darkolivegreen2	0.444058465	0.842899865	protein_coding
Prss12	NM_008939	darkolivegreen2	0.51187598	0.834988831	protein_coding
Rrh	NM_009102	darkolivegreen2	0.701845824	0.941243238	protein_coding
Ryr1	NM_009109	darkolivegreen2	0.771901933	0.852160728	protein_coding
Tbx15	NM_009323	darkolivegreen2	0.368061078	0.878802849	protein_coding
Tnnc1	NM_009393	darkolivegreen2	0.680683072	0.970959977	protein_coding
Tnfaip6	NM_009398	darkolivegreen2	0.742720094	0.918411846	protein_coding
Trpc5	NM_009428	darkolivegreen2	0.334250727	0.818733113	protein_coding
Tpt1	NM_009429	darkolivegreen2	0.801234357	0.950285837	protein_coding
Nrsn1	NM_009513	darkolivegreen2	0.462881102	0.815292215	protein_coding
Chrne	NM_009603	darkolivegreen2	0.534331028	0.836824347	protein_coding
Chrng	NM_009604	darkolivegreen2	0.711581782	0.973293291	protein_coding
Actc1	NM_009608	darkolivegreen2	0.615650301	0.906595346	protein_coding
Actl7a	NM_009611	darkolivegreen2	0.757498332	0.88562903	protein_coding
Avil	NM_009635	darkolivegreen2	0.64255278	0.972743711	protein_coding
Alox5	NM_009662	darkolivegreen2	0.239718998	0.853106565	protein_coding
Art1	NM_009710	darkolivegreen2	0.735724683	0.960581116	protein_coding
Cd7	NM_009854	darkolivegreen2	0.594398579	0.830444324	protein_coding
Egr2	NM_010118	darkolivegreen2	0.423550049	0.872785516	protein_coding
Fzd9	NM_010246	darkolivegreen2	0.761229722	0.888981271	protein_coding
Gjb5	NM_010291	darkolivegreen2	0.463353766	0.85362875	protein_coding
Gng5	NM_010318	darkolivegreen2	0.298220713	0.807502575	protein_coding
Gp1ba	NM_010326	darkolivegreen2	0.688499311	0.918777349	protein_coding
Hba-x	NM_010405	darkolivegreen2	0.744566604	0.904902521	protein_coding
Hivep2	NM_010437	darkolivegreen2	0.342409277	0.882218735	protein_coding
Il10	NM_010548	darkolivegreen2	0.539959264	0.962101793	protein_coding
Kcnk7	NM_010609	darkolivegreen2	0.385758332	0.839895851	protein_coding
Klf4	NM_010637	darkolivegreen2	0.617579364	0.916044684	protein_coding
Msc	NM_010827	darkolivegreen2	0.494192777	0.911015046	protein_coding
Myl4	NM_010858	darkolivegreen2	0.407705773	0.825212214	protein_coding
Myod1	NM_010866	darkolivegreen2	0.699037963	0.961916689	protein_coding
Neb	NM_010889	darkolivegreen2	0.542058556	0.911069056	protein_coding
Nfe2l3	NM_010903	darkolivegreen2	0.465228705	0.92047457	protein_coding
Npy1r	NM_010934	darkolivegreen2	0.664358147	0.91327955	protein_coding

Orm2	NM_011016	darkolivegreen2	0.533912477	0.825534644	protein_coding
Pax7	NM_011039	darkolivegreen2	0.391915617	0.890691509	protein_coding
Pax9	NM_011041	darkolivegreen2	0.460145838	0.814887172	protein_coding
Phkg1	NM_011079	darkolivegreen2	0.76359495	0.90094577	protein_coding
Pirb	NM_011095	darkolivegreen2	0.521195611	0.893809565	protein_coding
Rgs16	NM_011267	darkolivegreen2	0.8700619	0.902033428	protein_coding
Rpl9	NM_011292	darkolivegreen2	0.712108544	0.875243155	protein_coding
Rps12	NM_011295	darkolivegreen2	0.633009536	0.963820023	protein_coding
Eif1	NM_011508	darkolivegreen2	0.717035021	0.890379256	protein_coding
Tbx6	NM_011538	darkolivegreen2	0.648079387	0.957567587	protein_coding
Tcap	NM_011540	darkolivegreen2	0.653226402	0.849178074	protein_coding
Tnfsf11	NM_011613	darkolivegreen2	0.35211647	0.828030277	protein_coding
Ttn	NM_011652	darkolivegreen2	0.598301055	0.957776897	protein_coding
Tnfrsf4	NM_011659	darkolivegreen2	0.685214869	0.812325567	protein_coding
Sgcg	NM_011892	darkolivegreen2	0.738591719	0.883835462	protein_coding
Best1	NM_011913	darkolivegreen2	0.522825454	0.943043099	protein_coding
Rpl27a	NM_011975	darkolivegreen2	0.626820753	0.888142185	protein_coding
Spag1	NM_012031	darkolivegreen2	0.547300754	0.819787174	protein_coding
Srp9	NM_012058	darkolivegreen2	0.462598151	0.924564021	protein_coding
Gla	NM_013463	darkolivegreen2	0.523155188	0.855410902	protein_coding
Itgb7	NM_013566	darkolivegreen2	0.558142823	0.970289738	protein_coding
Trhr	NM_013696	darkolivegreen2	0.562778233	0.891202699	protein_coding
Itgb1bp2	NM_013712	darkolivegreen2	0.559252653	0.858987737	protein_coding
B9d1	NM_013717	darkolivegreen2	0.532228952	0.882810537	protein_coding
Dok3	NM_013739	darkolivegreen2	0.783925955	0.948876779	protein_coding
Polg2	NM_015810	darkolivegreen2	0.386412979	0.899336394	protein_coding
Hmgn5	NM_016710	darkolivegreen2	0.371521776	0.821999319	protein_coding
Mybph	NM_016749	darkolivegreen2	0.672441127	0.985677476	protein_coding
Hnrnpa2b1	NM_016806	darkolivegreen2	0.704374904	0.851464482	protein_coding
Oaz3	NM_016901	darkolivegreen2	0.511966909	0.878533262	protein_coding
Npff	NM_018787	darkolivegreen2	0.857951869	0.806622157	protein_coding
Cxcl13	NM_018866	darkolivegreen2	0.739542303	0.950983163	protein_coding
Egfl6	NM_019397	darkolivegreen2	0.561871172	0.848614284	protein_coding
Il17b	NM_019508	darkolivegreen2	0.678362121	0.947469696	protein_coding
Srpk3	NM_019684	darkolivegreen2	0.631877951	0.97008582	protein_coding
Ccnl1	NM_019937	darkolivegreen2	0.574732747	0.893919809	protein_coding

Lgi1	NM_020278	darkolivegreen2	0.429794914	0.902368926	protein_coding
Tas2r108	NM_020502	darkolivegreen2	0.594313721	0.816270408	protein_coding
Tulp1	NM_021478	darkolivegreen2	0.684825614	0.810399329	protein_coding
Necab3	NM_021546	darkolivegreen2	0.54484441	0.95705377	protein_coding
Nsa2	NM_021552	darkolivegreen2	0.411256891	0.881609266	protein_coding
Chrnd	NM_021600	darkolivegreen2	0.421008215	0.837571432	protein_coding
Il21r	NM_021887	darkolivegreen2	0.421952017	0.81425934	protein_coding
Sync	NM_023485	darkolivegreen2	0.461682798	0.883396455	protein_coding
Sfpq	NM_023603	darkolivegreen2	0.645317819	0.885705172	protein_coding
Wnt2	NM_023653	darkolivegreen2	0.544418602	0.950112828	protein_coding
Rpl24	NM_024218	darkolivegreen2	0.502236738	0.809917114	protein_coding
Kin	NM_025280	darkolivegreen2	0.738301032	0.86992276	protein_coding
Pop4	NM_025390	darkolivegreen2	0.532738166	0.884061855	protein_coding
1700001K19Rik	NM_025488	darkolivegreen2	0.648815642	0.904098665	protein_coding
Rpl15	NM_025586	darkolivegreen2	0.326678961	0.851389598	protein_coding
Nkapl	NM_025719	darkolivegreen2	0.513446688	0.885883288	protein_coding
Ccdc96	NM_025725	darkolivegreen2	0.618233298	0.831143554	protein_coding
Klhl10	NM_025727	darkolivegreen2	0.783515999	0.895813314	protein_coding
Med28	NM_025895	darkolivegreen2	0.786406972	0.895706009	protein_coding
Yae1d1	NM_025904	darkolivegreen2	0.643980515	0.810356038	protein_coding
Dnajb4	NM_025926	darkolivegreen2	0.583896876	0.897505125	protein_coding
Cap2	NM_026056	darkolivegreen2	0.804095787	0.880378434	protein_coding
Nanp	NM_026086	darkolivegreen2	0.642451654	0.866674351	protein_coding
1700022I11Rik	NM_026088	darkolivegreen2	0.613434598	0.984076213	protein_coding
Atp8b3	NM_026094	darkolivegreen2	0.607475135	0.898701312	protein_coding
Tmem179b	NM_026325	darkolivegreen2	0.487433934	0.934288622	protein_coding
Murc	NM_026509	darkolivegreen2	0.775588336	0.844558236	protein_coding
Rps13	NM_026533	darkolivegreen2	0.718748584	0.920961133	protein_coding
Fam166a	NM_026624	darkolivegreen2	0.684623524	0.964944901	protein_coding
Rps27	NM_027015	darkolivegreen2	0.749107997	0.903882719	protein_coding
1700001L19Rik	NM_027035	darkolivegreen2	0.634664933	0.88432504	protein_coding
Nmrk2	NM_027120	darkolivegreen2	0.658089995	0.950855936	protein_coding
Hfe2	NM_027126	darkolivegreen2	0.568021126	0.915200255	protein_coding
Taf1d	NM_027261	darkolivegreen2	0.465740492	0.83884558	protein_coding
Fndc5	NM_027402	darkolivegreen2	0.47734123	0.88981016	protein_coding
Klhl30	NM_027551	darkolivegreen2	0.46551334	0.857170913	protein_coding

Cfap43	NM_027559	darkolivegreen2	0.231864543	0.826220587	protein_coding
Tmem30c	NM_027651	darkolivegreen2	0.416292649	0.902608537	protein_coding
Adam30	NM_027665	darkolivegreen2	0.589484617	0.959809854	protein_coding
Cpa4	NM_027926	darkolivegreen2	0.635950699	0.885667061	protein_coding
Klhl35	NM_028145	darkolivegreen2	0.729038123	0.970199854	protein_coding
1700001P01Rik	NM_028156	darkolivegreen2	0.752521314	0.97223441	protein_coding
Klhl40	NM_028202	darkolivegreen2	0.719968598	0.889202699	protein_coding
Phykpl	NM_028398	darkolivegreen2	0.746777167	0.860194284	protein_coding
Kremen2	NM_028416	darkolivegreen2	0.876943721	0.826417988	protein_coding
Col20a1	NM_028518	darkolivegreen2	0.736082791	0.89796831	protein_coding
1110034G24Rik	NM_028637	darkolivegreen2	0.815151701	0.820567015	protein_coding
Rnd3	NM_028810	darkolivegreen2	0.759135777	0.924945612	protein_coding
Mterf2	NM_028832	darkolivegreen2	0.446167979	0.869425617	protein_coding
Mettl23	NM_028865	darkolivegreen2	0.378235285	0.867082311	protein_coding
Myo18b	NM_028901	darkolivegreen2	0.677352354	0.993996715	protein_coding
Ttc25	NM_028918	darkolivegreen2	0.579293525	0.824017523	protein_coding
Lrrc71	NM_028971	darkolivegreen2	0.41676511	0.838634383	protein_coding
2010109A12Rik	NM_029363	darkolivegreen2	0.806962984	0.80743592	protein_coding
Fam227b	NM_029455	darkolivegreen2	0.536963803	0.85808337	protein_coding
Wdr38	NM_029687	darkolivegreen2	0.743397681	0.913277402	protein_coding
Rnf225	NM_029809	darkolivegreen2	0.68424546	0.943118261	protein_coding
Nup210l	NM_029937	darkolivegreen2	0.70187452	0.869349382	protein_coding
Rnase6	NM_030098	darkolivegreen2	0.49414452	0.841149797	protein_coding
1700061G19Rik	NM_030141	darkolivegreen2	0.580823775	0.944944179	protein_coding
4930562C15Rik	NM_030192	darkolivegreen2	0.788943196	0.825398287	protein_coding
Myog	NM_031189	darkolivegreen2	0.713075568	0.957640333	protein_coding
Hamp	NM_032541	darkolivegreen2	0.657160535	0.953474251	protein_coding
Actn2	NM_033268	darkolivegreen2	0.611830838	0.960021175	protein_coding
Rpl10	NM_052835	darkolivegreen2	0.587848642	0.954735886	protein_coding
Tac4	NM_053093	darkolivegreen2	0.618512007	0.840225582	protein_coding
Lmod2	NM_053098	darkolivegreen2	0.578169068	0.971181793	protein_coding
Pcdhb10	NM_053135	darkolivegreen2	-0.410190439	-0.822938484	protein_coding
Alpk3	NM_054085	darkolivegreen2	0.798948362	0.932582099	protein_coding
Psmd5	NM_080554	darkolivegreen2	0.554973784	0.812177936	protein_coding
Myh7	NM_080728	darkolivegreen2	0.572573726	0.952057565	protein_coding
Cntnap4	NM_130457	darkolivegreen2	0.694969437	0.853049819	protein_coding

Cacng6	NM_133183	darkolivegreen2	0.702221212	0.944736485	protein_coding
Prima1	NM_133364	darkolivegreen2	0.552700984	0.93410187	protein_coding
Ppp1r32	NM_133689	darkolivegreen2	0.439877566	0.802486721	protein_coding
Ube2s	NM_133777	darkolivegreen2	0.60776404	0.820999158	protein_coding
Mlxip	NM_133917	darkolivegreen2	-0.887513304	-0.820400304	protein_coding
Zfp330	NM_145600	darkolivegreen2	0.45394235	0.814589244	protein_coding
Gpr1	NM_146250	darkolivegreen2	0.668962912	0.967414033	protein_coding
Olfr267	NM_146920	darkolivegreen2	0.638942255	0.927850256	protein_coding
Gjd4	NM_153086	darkolivegreen2	0.692208096	0.983090181	protein_coding
Stoml3	NM_153156	darkolivegreen2	0.571400662	0.857720262	protein_coding
Prkag3	NM_153744	darkolivegreen2	0.31655777	0.845187653	protein_coding
Cdkn2aip	NM_172407	darkolivegreen2	0.717830443	0.857945311	protein_coding
Fastkd2	NM_172422	darkolivegreen2	0.370640437	0.800848503	protein_coding
Dars2	NM_172644	darkolivegreen2	0.721096906	0.812079117	protein_coding
Htr2a	NM_172812	darkolivegreen2	0.558537743	0.900048197	protein_coding
Letm2	NM_173012	darkolivegreen2	0.621656257	0.936852673	protein_coding
Zbtb11	NM_173026	darkolivegreen2	0.495378024	0.848610154	protein_coding
Pp2d1	NM_173449	darkolivegreen2	0.535837579	0.907923322	protein_coding
Arsj	NM_173451	darkolivegreen2	0.61765584	0.866265376	protein_coding
Atg4a	NM_174875	darkolivegreen2	0.225863539	0.872773376	protein_coding
Dnali1	NM_175223	darkolivegreen2	0.31024085	0.813445653	protein_coding
Kctd8	NM_175519	darkolivegreen2	0.483048115	0.821680269	protein_coding
Arhgap20	NM_175535	darkolivegreen2	0.736818651	0.92002925	protein_coding
Casc1	NM_177222	darkolivegreen2	0.52448957	0.935196598	protein_coding
Rab26	NM_177375	darkolivegreen2	0.618173497	0.9780415	protein_coding
Cyp2r1	NM_177382	darkolivegreen2	0.534967319	0.824615854	protein_coding
Slfnl1	NM_177570	darkolivegreen2	0.610773121	0.955705133	protein_coding
Mkx	NM_177595	darkolivegreen2	0.477340055	0.876174942	protein_coding
Stac3	NM_177707	darkolivegreen2	0.631871614	0.9286838	protein_coding
Spata21	NM_177867	darkolivegreen2	0.372973647	0.817730853	protein_coding
Snupn	NM_178374	darkolivegreen2	0.721291883	0.80747374	protein_coding
Cnpy4	NM_178612	darkolivegreen2	0.764230966	0.82690165	protein_coding
Unc45b	NM_178680	darkolivegreen2	0.481228285	0.895439304	protein_coding
Npm2	NM_181345	darkolivegreen2	0.737774826	0.964311824	protein_coding
Rxfp4	NM_181817	darkolivegreen2	0.615472173	0.939993088	protein_coding
Grm3	NM_181850	darkolivegreen2	0.758755902	0.809279514	protein_coding

Mypn	NM_182992	darkolivegreen2	0.599903563	0.927049005	protein_coding
Fez1	NM_183171	darkolivegreen2	0.693380685	0.862071778	protein_coding
Qrfp	NM_183424	darkolivegreen2	0.699112597	0.975093434	protein_coding
Map6d1	NM_198599	darkolivegreen2	0.524945008	0.814314245	protein_coding
Chrm5	NM_205783	darkolivegreen2	0.403771818	0.953970665	protein_coding
Arl9	NM_206935	darkolivegreen2	0.561716368	0.800202394	protein_coding
Olfr1373	NM_207227	darkolivegreen2	0.652797861	0.94053359	protein_coding
Snord32a	NR_000002	darkolivegreen2	0.809856312	0.840454075	snoRNA
Snord35a	NR_000003	darkolivegreen2	0.760843959	0.853623564	snoRNA
Snord34	NR_002455	darkolivegreen2	0.80971412	0.918660966	snoRNA
Snora65	NR_002898	darkolivegreen2	0.541307173	0.800509772	snoRNA
Snora70	NR_002899	darkolivegreen2	0.673834809	0.910490639	snoRNA
Gm6578	NR_003631	darkolivegreen2	0.522399032	0.875273249	pseudogene
Snord73a	NR_004417	darkolivegreen2	0.702585868	0.928905274	snoRNA
Snord22	NR_004445	darkolivegreen2	0.4031675	0.836522847	snoRNA
Gm6981	NR_023357	darkolivegreen2	-0.533773331	-0.808295422	pseudo
AF357399	NR_028129	darkolivegreen2	0.65015007	0.85648967	snoRNA
Snord43	NR_028281	darkolivegreen2	0.697973611	0.943721071	snoRNA
Snord83b	NR_028282	darkolivegreen2	0.588546767	0.962992601	snoRNA
A930004D18Rik	NR_028376	darkolivegreen2	0.796401157	0.875441515	protein_coding
Snora75	NR_028478	darkolivegreen2	0.550451118	0.909647461	snoRNA
Snora31	NR_028481	darkolivegreen2	0.462622858	0.919312188	snoRNA
Snord57	NR_028528	darkolivegreen2	0.819696634	0.858326979	snoRNA
Snord71	NR_028532	darkolivegreen2	0.38172984	0.813928281	snoRNA
Snord8	NR_028542	darkolivegreen2	0.52346853	0.818525421	snoRNA
Snord110	NR_028547	darkolivegreen2	0.879004043	0.916308877	snoRNA
Snord16a	NR_028548	darkolivegreen2	0.588198227	0.933699141	snoRNA
Snord95	NR_028564	darkolivegreen2	0.828860807	0.85321348	snoRNA
Gsdmcl-ps	NR_029414	darkolivegreen2	0.439638493	0.899881699	pseudogene
Mirlet7g	NR_029526	darkolivegreen2	0.720558149	0.882438983	miRNA
Mir1a-1	NR_029528	darkolivegreen2	0.72204074	0.866837598	miRNA
Mir30b	NR_029534	darkolivegreen2	-0.522648792	-0.854884997	miRNA
Mir140	NR_029553	darkolivegreen2	0.50871878	0.914539173	miRNA
Mir141	NR_029554	darkolivegreen2	0.616174793	0.879376289	miRNA
Mir150	NR_029560	darkolivegreen2	0.700430945	0.918954095	miRNA
Mir191	NR_029577	darkolivegreen2	0.633668844	0.828620064	miRNA

Mir206	NR_029593	darkolivegreen2	0.531131252	0.914082911	miRNA
Mirlet7a-2	NR_029726	darkolivegreen2	0.693978088	0.858888143	miRNA
Mirlet7c-1	NR_029728	darkolivegreen2	0.615612413	0.989803884	miRNA
Mirlet7f-1	NR_029731	darkolivegreen2	0.253486223	0.842375675	miRNA
Mir20a	NR_029737	darkolivegreen2	0.540907956	0.914544849	miRNA
Mir93	NR_029749	darkolivegreen2	0.674064686	0.891992681	miRNA
Mir329	NR_029762	darkolivegreen2	0.483832632	0.880184917	miRNA
Mir350	NR_029775	darkolivegreen2	0.504141985	0.831526848	miRNA
Mir17	NR_029785	darkolivegreen2	0.850715376	0.886038757	miRNA
Mir25	NR_029787	darkolivegreen2	0.618355664	0.956094287	miRNA
Mir100	NR_029790	darkolivegreen2	0.475331734	0.929083001	miRNA
Mir218-2	NR_029799	darkolivegreen2	0.53249685	0.91888418	miRNA
Mir7-1	NR_029825	darkolivegreen2	0.450274814	0.873692148	miRNA
Mir376a	NR_029877	darkolivegreen2	0.818269554	0.863372846	miRNA
Mir378a	NR_029879	darkolivegreen2	0.355553699	0.817426861	miRNA
Mir380	NR_029881	darkolivegreen2	0.604479571	0.842537043	miRNA
Mir133b	NR_029902	darkolivegreen2	0.361840726	0.838801444	miRNA
Mir409	NR_029913	darkolivegreen2	0.509535149	0.855222025	miRNA
Mir485	NR_030253	darkolivegreen2	0.475166862	0.944578186	miRNA
Mir376c	NR_030270	darkolivegreen2	0.4845341	0.85026891	miRNA
Mir673	NR_030438	darkolivegreen2	0.373716919	0.88292099	miRNA
Mir674	NR_030440	darkolivegreen2	0.297087011	0.833902111	miRNA
Mir693	NR_030466	darkolivegreen2	0.780597313	0.832122515	miRNA
Mir455	NR_030477	darkolivegreen2	0.458944282	0.862042881	miRNA
Mir713	NR_030493	darkolivegreen2	0.718910311	0.845351651	miRNA
Mir717	NR_030497	darkolivegreen2	0.38624334	0.833348526	miRNA
Snord2	NR_030705	darkolivegreen2	0.652849162	0.988459809	snoRNA
Snora28	NR_033168	darkolivegreen2	0.393106337	0.833985186	snoRNA
4933417G07Rik	NR_033592	darkolivegreen2	0.513734172	0.877683975	pseudogene
Gm5176	NR_033603	darkolivegreen2	0.668883643	0.810206719	pseudogene
Snora81	NR_034048	darkolivegreen2	0.347610382	0.873537639	snoRNA
Mir669i	NR_035417	darkolivegreen2	0.494237132	0.808079267	miRNA
Mir1198	NR_035430	darkolivegreen2	0.518039688	0.954345117	miRNA
Mir1894	NR_035445	darkolivegreen2	0.70547482	0.94302193	miRNA
Mir1938	NR_035459	darkolivegreen2	0.811653173	0.930608538	miRNA
Mir1983	NR_035500	darkolivegreen2	0.360833834	0.839360505	miRNA

Rps15a-ps4	NR_036572	darkolivegreen2	0.312114406	0.843777465	pseudogene
Efcab8	NR_036629	darkolivegreen2	0.73685796	0.945875675	protein_coding
Gm6525	NR_036654	darkolivegreen2	0.76707632	0.856978909	pseudo
Mir3471-1	NR_037304	darkolivegreen2	0.727364713	0.943380926	miRNA
Snord100	NR_037681	darkolivegreen2	0.659228835	0.869229446	snoRNA
Morf4l1-ps1	NR_038091	darkolivegreen2	0.585843864	0.842823353	pseudo
Gm12504	NR_040414	darkolivegreen2	0.732210872	0.94876754	pseudogene
LOC100504703	NR_040660	darkolivegreen2	0.433307704	0.840528782	lncRNA
4930524O05Rik	NR_045316	darkolivegreen2	0.368099186	0.833288507	lncRNA
Gm20199	NR_045640	darkolivegreen2	0.526291751	0.913393332	ncRNA
4933433G19Rik	NR_045851	darkolivegreen2	0.677519754	0.891089709	lncRNA
Particl	NR_046011	darkolivegreen2	0.907672993	0.864585355	TEC
Mir6353	NR_105771	darkolivegreen2	0.744583791	0.802269255	miRNA
Mir6359	NR_105777	darkolivegreen2	0.764386626	0.925880635	miRNA
Mir6372	NR_105791	darkolivegreen2	0.605808774	0.940537874	miRNA
Mir6380	NR_105801	darkolivegreen2	0.78489895	0.878051675	miRNA
Mir6393	NR_105817	darkolivegreen2	0.654653671	0.943847375	miRNA
Mir6417	NR_105845	darkolivegreen2	0.678405566	0.940149708	miRNA
Mir6948	NR_105913	darkolivegreen2	0.600221781	0.868493041	miRNA
Mir6964	NR_105929	darkolivegreen2	0.531131252	0.914082911	miRNA
Mir6975	NR_105941	darkolivegreen2	0.567579552	0.863394018	miRNA
Mir6976	NR_105942	darkolivegreen2	0.723862011	0.947944115	miRNA
Mir6979	NR_105945	darkolivegreen2	0.663779082	0.951042317	miRNA
Mir6994	NR_105960	darkolivegreen2	0.538793575	0.858727887	miRNA
Mir7000	NR_105966	darkolivegreen2	0.855293582	0.87227516	miRNA
Mir7017	NR_105984	darkolivegreen2	0.445754239	0.842404809	miRNA
Mir7043	NR_106010	darkolivegreen2	0.654653671	0.943847375	miRNA
Mir7045	NR_106012	darkolivegreen2	0.665896379	0.877334943	miRNA
Mir7578	NR_106102	darkolivegreen2	0.583143076	0.81857639	miRNA
Mir7663	NR_106123	darkolivegreen2	0.231284984	0.878778148	miRNA
Mir8102	NR_106180	darkolivegreen2	0.492298818	0.86146766	miRNA
H19	ENSMUSG00000000031	green4	0.606465273	0.830449182	lncRNA
6330403K07Rik	ENSMUSG00000018451	green4	0.75965683	0.867068426	protein_coding
Kcnmb4os1	ENSMUSG00000020164	green4	0.839728659	0.87837733	lncRNA
Cct6a	ENSMUSG00000029447	green4	0.674258973	0.862952143	protein_coding
Crnde	ENSMUSG00000031736	green4	-0.826531609	-0.917446319	lncRNA

9330171B17Rik	ENSMUSG00000039133	green4	0.764632876	0.818060988	lncRNA
9930104L06Rik	ENSMUSG00000044730	green4	0.494082706	0.909381084	protein_coding
1700120B22Rik	ENSMUSG00000045391	green4	0.566319714	0.810673824	lncRNA
Smkr-ps	ENSMUSG00000045709	green4	-0.734965847	-0.856778912	pseudogene
B230317F23Rik	ENSMUSG00000045746	green4	-0.78772044	-0.802002295	lncRNA
5930403N24Rik	ENSMUSG00000046463	green4	0.74714713	0.916718472	lncRNA
Hist2h2bb	ENSMUSG00000050936	green4	-0.514947023	-0.855024255	lncRNA
4930412M03Rik	ENSMUSG00000051008	green4	0.5139311	0.807339124	lncRNA
Hottip	ENSMUSG00000055408	green4	0.728314191	0.818587597	lncRNA
Tug1	ENSMUSG00000056579	green4	0.693513271	0.825378718	lncRNA
Gm10143	ENSMUSG00000064032	green4	0.65979823	0.820743635	lncRNA
Gm6994	ENSMUSG00000067973	green4	0.894655887	0.811569098	lncRNA
G530011O06Rik	ENSMUSG00000072844	green4	0.520492044	0.8005335	lncRNA
Gm10475	ENSMUSG00000073152	green4	-0.729505169	-0.931513618	lncRNA
Gm10517	ENSMUSG00000073482	green4	0.661452973	0.869735051	TEC
Lrp8os2	ENSMUSG00000073779	green4	0.549391743	0.812943535	lncRNA
Gm10575	ENSMUSG00000073787	green4	-0.420276924	-0.817536659	lncRNA
8030451A03Rik	ENSMUSG00000073821	green4	-0.503148496	-0.863602904	lncRNA
Gm10676	ENSMUSG00000074355	green4	0.627603339	0.923949368	TEC
Il1bos	ENSMUSG00000074805	green4	0.554122314	0.848201847	lncRNA
Spata5l1	ENSMUSG00000074876	green4	0.788258883	0.924152013	lncRNA
Spata5l1	ENSMUSG00000074876	green4	0.761173211	0.850993148	lncRNA
Haglr	ENSMUSG00000075277	green4	0.79776135	0.905426647	lncRNA
Gm12359	ENSMUSG00000075576	green4	0.684109621	0.814208278	lncRNA
Dnm3os	ENSMUSG00000078190	green4	0.55878858	0.842917223	lncRNA
A730011C13Rik	ENSMUSG00000084846	green4	0.715351094	0.921841752	lncRNA
Gm13063	ENSMUSG00000084869	green4	0.797103811	0.860808656	lncRNA
Gm14471	ENSMUSG00000084892	green4	0.618167513	0.844842964	lncRNA
1810062O18Rik	ENSMUSG00000084925	green4	0.598637178	0.879322023	lncRNA
Gm11583	ENSMUSG00000084936	green4	0.640009241	0.918057936	lncRNA
Gm11944	ENSMUSG00000084941	green4	0.688678497	0.903741947	lncRNA
Gm15471	ENSMUSG00000084997	green4	0.775234031	0.910975495	lncRNA
Gm15927	ENSMUSG00000085039	green4	0.585801826	0.852962086	lncRNA
Abhd11os	ENSMUSG00000085042	green4	0.704252762	0.81073256	pseudogene
8030453O22Rik	ENSMUSG00000085058	green4	0.672260734	0.814999986	lncRNA
Rubie	ENSMUSG00000085123	green4	0.724073819	0.903493402	lncRNA

Gm15522	ENSMUSG00000085166	green4	0.650537239	0.828302308	lncRNA
Gm12063	ENSMUSG00000085167	green4	0.681575883	0.823910582	lncRNA
Gm13963	ENSMUSG00000085448	green4	-0.573793011	-0.807449645	lncRNA
Gm15137	ENSMUSG00000085451	green4	-0.66823348	-0.804653877	lncRNA
3110056K07Rik	ENSMUSG00000085622	green4	0.452004312	0.811819538	lncRNA
Gm12898	ENSMUSG00000085626	green4	0.669122719	0.924084685	lncRNA
Gm12992	ENSMUSG00000085667	green4	0.642804518	0.849541127	lncRNA
Gm14817	ENSMUSG00000085669	green4	0.690521362	0.844699156	lncRNA
Hoxaas3	ENSMUSG00000085696	green4	0.685516634	0.813740362	lncRNA
Gm12676	ENSMUSG00000085710	green4	0.621110546	0.837489054	lncRNA
Gm16229	ENSMUSG00000085731	green4	0.890256975	0.841000649	lncRNA
5430405H02Rik	ENSMUSG00000085741	green4	0.704134138	0.831068381	lncRNA
Gm16059	ENSMUSG00000085802	green4	0.599871917	0.863032557	lncRNA
Kcnmb4os2	ENSMUSG00000085837	green4	0.910404386	0.873841871	lncRNA
A830012C17Rik	ENSMUSG00000085996	green4	-0.689929839	-0.805049241	lncRNA
1700084C06Rik	ENSMUSG00000086016	green4	0.660418542	0.800073244	lncRNA
Gm13179	ENSMUSG00000086018	green4	0.59176957	0.858319741	lncRNA
Gm12227	ENSMUSG00000086039	green4	0.712422855	0.834590372	lncRNA
Gm16183	ENSMUSG00000086067	green4	0.681447413	0.852732313	lncRNA
Evx1os	ENSMUSG00000086126	green4	0.783102719	0.858274705	lncRNA
Bach2os	ENSMUSG00000086150	green4	0.616056176	0.809536109	lncRNA
Ccdc34os	ENSMUSG00000086186	green4	0.800085094	0.827015389	lncRNA
Igf2os	ENSMUSG00000086266	green4	0.834310916	0.901842045	lncRNA
Gm15563	ENSMUSG00000086387	green4	0.502243416	0.801330419	lncRNA
Gm6787	ENSMUSG00000086404	green4	-0.741444601	-0.880329823	lncRNA
Gm12580	ENSMUSG00000086470	green4	0.743197335	0.82704127	lncRNA
Gm13446	ENSMUSG00000086555	green4	0.860583421	0.949116624	lncRNA
Gm14705	ENSMUSG00000086676	green4	0.581328073	0.827944618	lncRNA
Gm16263	ENSMUSG00000086709	green4	0.846432165	0.841300776	lncRNA
Gm16069	ENSMUSG00000086718	green4	0.566909754	0.856083122	lncRNA
Gm11915	ENSMUSG00000086774	green4	0.428281336	0.857759709	lncRNA
Gm13562	ENSMUSG00000086779	green4	0.830049118	0.901901601	lncRNA
Gm14547	ENSMUSG00000086834	green4	0.406952909	0.838566954	lncRNA
Cyp4x1os	ENSMUSG00000086896	green4	-0.606404627	-0.837037924	lncRNA
Gm12027	ENSMUSG00000086911	green4	0.581753014	0.816250024	lncRNA
Rsf1os2	ENSMUSG00000086993	green4	0.826061048	0.846992613	lncRNA

Sap30bpos	ENSMUSG00000087064	green4	0.527676125	0.842339229	lncRNA
4930474H06Rik	ENSMUSG00000087109	green4	0.81689715	0.848479303	lncRNA
A830082K12Rik	ENSMUSG00000087143	green4	0.575767637	0.820881576	lncRNA
E130307A14Rik	ENSMUSG00000087177	green4	0.688050876	0.890565791	lncRNA
Gm14230	ENSMUSG00000087179	green4	0.611553264	0.809674425	lncRNA
Gm14820	ENSMUSG00000087193	green4	0.635895662	0.895632725	lncRNA
2610035D17Rik	ENSMUSG00000087259	green4	0.83113883	0.843983341	lncRNA
Gm14486	ENSMUSG00000087268	green4	0.801001129	0.837107741	lncRNA
Gm13061	ENSMUSG00000087288	green4	0.923067204	0.816394425	lncRNA
A430035B10Rik	ENSMUSG00000087305	green4	-0.724661792	-0.892407345	lncRNA
Gm13187	ENSMUSG00000087355	green4	0.420160528	0.860270811	lncRNA
Gm16054	ENSMUSG00000087431	green4	0.702617791	0.946490542	lncRNA
Gm12970	ENSMUSG00000087451	green4	0.677241076	0.827736421	lncRNA
9830144P21Rik	ENSMUSG00000087528	green4	0.785865416	0.831871523	lncRNA
Gm16121	ENSMUSG00000087606	green4	0.850657899	0.854154147	lncRNA
5330434G04Rik	ENSMUSG00000087620	green4	0.818908429	0.897303537	lncRNA
1700087M22Rik	ENSMUSG00000087653	green4	0.785852818	0.881037569	antisense
Gm16538	ENSMUSG00000089766	green4	0.619616788	0.827003792	lncRNA
Nckap5los	ENSMUSG00000089968	green4	0.654379735	0.870008675	lncRNA
Snhg9	ENSMUSG00000090101	green4	0.829106574	0.856454974	lncRNA
Gm16163	ENSMUSG00000090118	green4	0.702972524	0.830711485	lncRNA
Gm16534	ENSMUSG00000090157	green4	0.455162487	0.858234319	lncRNA
4921534H16Rik	ENSMUSG00000090255	green4	0.928087963	0.892142883	lncRNA
Gm17034	ENSMUSG00000090293	green4	0.65360127	0.816436116	lncRNA
Gm21989	ENSMUSG00000090370	green4	0.753022589	0.820309373	lncRNA
Gm17201	ENSMUSG00000090761	green4	0.631613618	0.814855734	lncRNA
Gm17092	ENSMUSG00000091623	green4	0.585879462	0.846246191	lncRNA
Gm17098	ENSMUSG00000091745	green4	0.926378667	0.845751669	lncRNA
Gm17231	ENSMUSG00000091908	green4	0.70010837	0.869898582	lncRNA
E130317F20Rik	ENSMUSG00000091994	green4	0.861457403	0.916414312	lncRNA
Gm17089	ENSMUSG00000092134	green4	0.577475733	0.923892998	lncRNA
Gm20416	ENSMUSG00000092185	green4	0.558893872	0.800171404	lncRNA
1110038B12Rik	ENSMUSG00000092203	green4	0.728257076	0.834904032	lncRNA
Gm20444	ENSMUSG00000092258	green4	-0.689624816	-0.814294108	lncRNA
Gm3896	ENSMUSG00000093721	green4	0.639075875	0.877339988	lncRNA
Gm21982	ENSMUSG00000094365	green4	0.692147168	0.893109292	lncRNA

Gm21844	ENSMUSG00000095913	green4	0.663601219	0.825360651	lncRNA
Gm26720	ENSMUSG00000096941	green4	0.805158176	0.861386887	lincRNA
Gm26851	ENSMUSG00000096978	green4	0.757505717	0.809924763	lincRNA
2010015M23Rik	ENSMUSG00000096983	green4	0.662863328	0.93126266	lincRNA
D930007P13Rik	ENSMUSG00000097003	green4	0.752733422	0.860635055	lncRNA
4930539J05Rik	ENSMUSG00000097032	green4	0.898734677	0.811152493	lncRNA
Gm26879	ENSMUSG00000097089	green4	-0.580212728	-0.80918481	lncRNA
Gm26580	ENSMUSG00000097109	green4	0.539368422	0.818813743	lincRNA
D130020L05Rik	ENSMUSG00000097121	green4	0.765959803	0.856120803	lncRNA
Gm26628	ENSMUSG00000097133	green4	0.710118782	0.837396558	lncRNA
4932441J04Rik	ENSMUSG00000097216	green4	0.535045882	0.800213777	lncRNA
Gm26549	ENSMUSG00000097217	green4	0.449194165	0.852315098	lncRNA
Gm26518	ENSMUSG00000097234	green4	0.765856123	0.942763802	lincRNA
Gm26770	ENSMUSG00000097253	green4	0.770388584	0.914693177	lncRNA
Gm26768	ENSMUSG00000097257	green4	0.704416851	0.866388128	lincRNA
Gm26564	ENSMUSG00000097274	green4	0.64210278	0.872308475	lncRNA
Gm26672	ENSMUSG00000097330	green4	0.726264617	0.859108927	lncRNA
Gm10390	ENSMUSG00000097368	green4	0.691414496	0.912027133	lncRNA
Gm26785	ENSMUSG00000097390	green4	0.722475304	0.931803887	lincRNA
Platr5	ENSMUSG00000097398	green4	0.728467354	0.826570162	lncRNA
Gm26668	ENSMUSG00000097410	green4	0.671152575	0.975594227	lincRNA
AU020206	ENSMUSG00000097415	green4	0.768959802	0.906239959	lncRNA
Gm26670	ENSMUSG00000097416	green4	-0.537463838	-0.837934754	lncRNA
Gm6277	ENSMUSG00000097440	green4	-0.623933014	-0.84298303	lncRNA
Gm26582	ENSMUSG00000097479	green4	0.761668888	0.968329912	lincRNA
Gm26537	ENSMUSG00000097500	green4	0.725677101	0.815970424	lncRNA
4930516B21Rik	ENSMUSG00000097504	green4	0.717908564	0.869644548	lncRNA
Gm26847	ENSMUSG00000097526	green4	0.548779709	0.846441243	lincRNA
Gm26590	ENSMUSG00000097533	green4	0.79335268	0.907549291	lncRNA
Gm16675	ENSMUSG00000097534	green4	-0.859330752	-0.839815053	lncRNA
2610020C07Rik	ENSMUSG00000097537	green4	0.465958513	0.823103679	lncRNA
Gm26751	ENSMUSG00000097542	green4	0.622881059	0.834347919	lincRNA
Gm26673	ENSMUSG00000097596	green4	0.59361433	0.825313716	lncRNA
A930012L18Rik	ENSMUSG00000097610	green4	0.593517321	0.823945344	lncRNA
Gm16617	ENSMUSG00000097633	green4	0.50404594	0.857732743	lncRNA
Gm26827	ENSMUSG00000097634	green4	0.558348474	0.861462385	lncRNA

4933417D19Rik	ENSMUSG00000097637	green4	0.550594036	0.935687484	lncRNA
Gm26645	ENSMUSG00000097684	green4	0.497274236	0.883422805	lncRNA
Gm26635	ENSMUSG00000097764	green4	0.771185109	0.891969988	lincRNA
Panct2	ENSMUSG00000097814	green4	-0.674254317	-0.898484778	lncRNA
Gm26541	ENSMUSG00000097889	green4	0.607060979	0.832133604	lincRNA
4933404O12Rik	ENSMUSG00000097908	green4	0.570702211	0.809319057	lncRNA
Gm26982	ENSMUSG00000097994	green4	0.489093158	0.861919296	lncRNA
Gm17750	ENSMUSG00000098087	green4	-0.660225905	-0.899866292	lncRNA
Gm4665	ENSMUSG00000098127	green4	-0.614807593	-0.867901101	lncRNA
Gm27206	ENSMUSG00000098889	green4	0.634102016	0.859408383	lncRNA
Gm10603	ENSMUSG00000099137	green4	0.620495749	0.937812106	lncRNA
Gm28052	ENSMUSG00000099329	green4	0.617854803	0.808845171	lncRNA
2310005E17Rik	ENSMUSG00000099446	green4	0.845050771	0.828554366	lncRNA
Gm29361	ENSMUSG00000099708	green4	0.504185139	0.812330132	lncRNA
Gm29123	ENSMUSG00000099879	green4	0.46766678	0.809926556	lncRNA
Gm29202	ENSMUSG00000099928	green4	0.653042228	0.835208189	lncRNA
2310068J16Rik	ENSMUSG00000100084	green4	0.525825402	0.899363718	lncRNA
Gm28592	ENSMUSG00000100113	green4	0.80565388	0.863292182	lncRNA
Gm29491	ENSMUSG00000100393	green4	0.929751446	0.817794333	lncRNA
Gm28901	ENSMUSG00000100454	green4	0.723800367	0.825383444	lncRNA
Gm28535	ENSMUSG00000101172	green4	0.685159163	0.941221991	lncRNA
Gm28529	ENSMUSG00000101320	green4	0.74668744	0.829898604	lncRNA
Gm28240	ENSMUSG00000101332	green4	-0.633439537	-0.808116065	lncRNA
Gm28198	ENSMUSG00000101845	green4	0.593367355	0.823408384	lncRNA
Gm36944	ENSMUSG00000102160	green4	0.568685409	0.877403532	TEC
9430037O13Rik	ENSMUSG00000102246	green4	0.888826114	0.813222645	TEC
9530003O04Rik	ENSMUSG00000102267	green4	0.616230825	0.852570811	TEC
Gm37790	ENSMUSG00000102323	green4	0.581070934	0.884219043	TEC
9530018H14Rik	ENSMUSG00000102373	green4	0.934953444	0.883717264	TEC
Gm36935	ENSMUSG00000102410	green4	0.701380319	0.844804712	TEC
Gm36988	ENSMUSG00000102494	green4	0.508279983	0.883022047	lncRNA
Gm37785	ENSMUSG00000102526	green4	0.687843158	0.927611665	TEC
Gm37438	ENSMUSG00000102584	green4	0.675348794	0.804611352	TEC
Gm37264	ENSMUSG00000102605	green4	0.800812178	0.914332174	TEC
Gm9748	ENSMUSG00000102774	green4	0.733194935	0.835180543	lncRNA
Gm37710	ENSMUSG00000102797	green4	0.90778031	0.849734126	TEC

Gm38036	ENSMUSG00000102841	green4	0.468022961	0.80490856	TEC
C130023A14Rik	ENSMUSG00000102854	green4	0.624983441	0.820739142	TEC
Gm9839	ENSMUSG00000102865	green4	0.670468557	0.872568219	TEC
2900097C17Rik	ENSMUSG00000102869	green4	0.731304107	0.901886979	lncRNA
Gm37766	ENSMUSG00000102992	green4	-0.562951533	-0.808292548	TEC
Gm4430	ENSMUSG00000103009	green4	0.785523953	0.933280544	TEC
Gm37645	ENSMUSG00000103192	green4	0.703293898	0.952169992	TEC
Gm29771	ENSMUSG00000103334	green4	-0.658292541	-0.821423777	lncRNA
Gm37179	ENSMUSG00000103376	green4	0.843192808	0.932773263	TEC
C630004M23Rik	ENSMUSG00000103570	green4	0.868469495	0.836575349	TEC
D030062O11Rik	ENSMUSG00000103710	green4	0.922485359	0.900788557	TEC
Gm37651	ENSMUSG00000103734	green4	0.735144122	0.88262786	TEC
Gm37606	ENSMUSG00000103851	green4	0.709705571	0.858384536	TEC
Gm37415	ENSMUSG00000103864	green4	0.719259697	0.810287437	TEC
Gm37452	ENSMUSG00000103882	green4	0.484896765	0.845556555	TEC
Gm37005	ENSMUSG00000103884	green4	0.81011762	0.802748699	TEC
Gm37466	ENSMUSG00000103972	green4	0.627098917	0.854041377	TEC
Gm37563	ENSMUSG00000104040	green4	0.665684521	0.849215234	TEC
Gm37818	ENSMUSG00000104184	green4	0.79618296	0.868560887	TEC
2900018N21Rik	ENSMUSG00000104244	green4	0.860920431	0.833500297	TEC
Gm10862	ENSMUSG00000104284	green4	-0.657143131	-0.849296622	lncRNA
Gm38062	ENSMUSG00000104488	green4	0.686911061	0.817016897	TEC
A430027H14Rik	ENSMUSG00000104507	green4	0.681529405	0.835625576	lncRNA
Gm37735	ENSMUSG00000104508	green4	-0.760411485	-0.840017904	TEC
Gm37161	ENSMUSG00000104519	green4	-0.765557461	-0.800490543	TEC
Gm42686	ENSMUSG00000104535	green4	-0.657678147	-0.810105037	TEC
Gm43202	ENSMUSG00000104607	green4	-0.609357234	-0.835145941	lncRNA
Gm42815	ENSMUSG00000104686	green4	0.783591572	0.882131045	TEC
Gm43834	ENSMUSG00000104801	green4	-0.584828514	-0.904787363	TEC
Gm42676	ENSMUSG00000105041	green4	-0.834409459	-0.816649322	TEC
Gm42589	ENSMUSG00000105470	green4	0.962070199	0.87346732	TEC
Gm19710	ENSMUSG00000105552	green4	0.711540257	0.879208564	lncRNA
Gm10636	ENSMUSG00000105602	green4	-0.691846282	-0.89762787	lncRNA
Gm43055	ENSMUSG00000105704	green4	0.767000233	0.92082239	lncRNA
Gm43211	ENSMUSG00000105760	green4	0.776432629	0.802302106	TEC
Gm42928	ENSMUSG00000105813	green4	0.928450458	0.895327935	TEC

Gm42890	ENSMUSG00000105852	green4	0.70540212	0.890820187	lncRNA
Gm43111	ENSMUSG00000106472	green4	0.678087916	0.826748211	lncRNA
Gm42879	ENSMUSG00000106590	green4	0.644183331	0.87373526	TEC
Gm43150	ENSMUSG00000106777	green4	-0.589607397	-0.813040842	lncRNA
Gm42632	ENSMUSG00000106832	green4	0.696396254	0.820477396	TEC
Trmt44	ENSMUSG00000106997	green4	0.671510981	0.863675837	protein_coding
Gm43086	ENSMUSG00000107044	green4	-0.550604609	-0.800004201	lncRNA
Gm42884	ENSMUSG00000107090	green4	0.622352801	0.820525346	lncRNA
Gm43312	ENSMUSG00000107197	green4	0.774222015	0.950186867	TEC
Gm42670	ENSMUSG00000107319	green4	0.822529767	0.890316852	lncRNA
Gm43126	ENSMUSG00000107379	green4	0.769822838	0.90699324	lncRNA
RP24-492L15.6	ENSMUSG00000107439	green4	-0.644901313	-0.829036215	lncRNA
Gm44207	ENSMUSG00000107570	green4	0.754186096	0.956151934	TEC
Gm43885	ENSMUSG00000107643	green4	0.957085271	0.829903292	TEC
Gm44140	ENSMUSG00000107702	green4	0.851008091	0.837426796	lncRNA
Gm44439	ENSMUSG00000107804	green4	0.899247461	0.864420663	TEC
Gm44080	ENSMUSG00000108004	green4	0.690180537	0.855880962	TEC
Gm44317	ENSMUSG00000108282	green4	0.700257997	0.82116647	lncRNA
RP23-74N13.2	ENSMUSG00000108452	green4	0.72555934	0.875566221	TEC
RP23-136G1.3	ENSMUSG00000108688	green4	0.677588052	0.850824553	TEC
RP23-103E11.7	ENSMUSG00000108894	green4	0.880118004	0.895124679	TEC
RP23-383B18.3	ENSMUSG00000108979	green4	0.78772524	0.823611449	TEC
RP24-417N13.7	ENSMUSG00000109036	green4	0.578354119	0.821161686	TEC
RP23-429C4.3	ENSMUSG00000109131	green4	0.610785002	0.844386648	TEC
RP24-118K20.1	ENSMUSG00000109341	green4	0.695536057	0.859671324	lncRNA
RP23-51L15.5	ENSMUSG00000109351	green4	0.872170524	0.838809182	lncRNA
RP23-272F2.2	ENSMUSG00000109383	green4	0.600268294	0.86798246	lncRNA
RP24-120F8.1	ENSMUSG00000109390	green4	0.779800149	0.845295532	TEC
RP23-429C4.2	ENSMUSG00000109416	green4	0.724820564	0.848527028	TEC
Nckap5l	NM_001001884	green4	0.72184635	0.868682628	protein_coding
Kdm2a	NM_001001984	green4	0.586544167	0.897527443	protein_coding
Nat8l	NM_001001985	green4	0.602652938	0.908540876	protein_coding
Smg6	NM_001002764	green4	0.65365841	0.852908567	protein_coding
Nup85	NM_001002929	green4	0.769191356	0.89018031	protein_coding
Zfp457	NM_001003666	green4	-0.67063284	-0.848898967	protein_coding
Ddx11	NM_001003919	green4	0.726781656	0.921617391	protein_coding

Brsk1	NM_001003920	green4	0.67590542	0.845508927	protein_coding
Nuak1	NM_001004363	green4	0.901446899	0.867179593	protein_coding
Ado	NM_001005419	green4	0.551323972	0.898680093	protein_coding
Txlna	NM_001005506	green4	0.752595387	0.90535798	protein_coding
Parl	NM_001005767	green4	0.704904044	0.914077332	protein_coding
Zfp69	NM_001005788	green4	0.736818091	0.934177964	protein_coding
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Scaf1	NM_001008422	green4	0.685437635	0.877697026	protein_coding
Thoc6	NM_001008425	green4	0.861588481	0.921298633	protein_coding
Zfp658	NM_001008549	green4	0.7162281	0.93234169	protein_coding
Mdc1	NM_001010833	green4	0.65198261	0.948502825	protein_coding
AU022252	NM_001012400	green4	0.7191749	0.870645234	protein_coding
Cxcl12	NM_001012477	green4	0.668893698	0.818531984	protein_coding
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Ttf2	NM_001013026	green4	0.697945339	0.976506994	protein_coding
Nrp	NM_001013372	green4	0.766544757	0.963254644	protein_coding
Utp18	NM_001013375	green4	0.764801791	0.904556105	protein_coding
Dync1li2	NM_001013380	green4	0.666201199	0.870682871	protein_coding
Rasl10b	NM_001013386	green4	0.870469402	0.956018232	protein_coding
Inip	NM_001013577	green4	0.628806751	0.922515761	protein_coding
Pard3	NM_001013580	green4	0.592252726	0.897160577	protein_coding
Tmem151b	NM_001013749	green4	0.72768292	0.848944322	protein_coding
Tvp23a	NM_001013778	green4	0.668643813	0.92393424	protein_coding
Shf	NM_001013829	green4	0.682989617	0.921835249	protein_coding
Scn2b	NM_001014761	green4	0.786213997	0.885737571	protein_coding
Ttll4	NM_001014974	green4	0.76496727	0.972842442	protein_coding
Espl1	NM_001014976	green4	0.742058117	0.952659281	protein_coding
Fam189b	NM_001014995	green4	0.841816219	0.843042245	protein_coding
Vprbp	NM_001015507	green4	0.475681095	0.879595195	protein_coding
Tyw1	NM_001015876	green4	0.697891673	0.953527018	protein_coding
Kdm6b	NM_001017426	green4	0.673926276	0.860366861	protein_coding
Zscan18	NM_001017955	green4	0.793636499	0.824388978	protein_coding

Ddi2	NM_001017966	green4	0.599570592	0.916520085	protein_coding
C2cd3	NM_001017985	green4	0.514861974	0.890785337	protein_coding
Sp3	NM_001018042	green4	0.813909226	0.810345893	protein_coding
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Brd9	NM_001024508	green4	0.679624226	0.931880332	protein_coding
Shc2	NM_001024539	green4	0.675332055	0.853300551	protein_coding
Rabl6	NM_001024616	green4	0.695152062	0.880413811	protein_coding
Pcnp	NM_001024622	green4	0.600316449	0.873925374	protein_coding
Lrrc16b	NM_001024645	green4	0.6323592	0.910731534	protein_coding
Lrp3	NM_001024707	green4	0.776442126	0.937477978	protein_coding
Gal3st3	NM_001024717	green4	0.570141882	0.843392555	protein_coding
N4bp2	NM_001024917	green4	0.791944298	0.945430476	protein_coding
Bod1	NM_001024919	green4	0.688268344	0.849364864	protein_coding
Miip	NM_001025365	green4	0.62706761	0.959238239	protein_coding
Fam196b	NM_001025382	green4	-0.728654264	-0.821268326	protein_coding
Crebbp	NM_001025432	green4	0.525824259	0.83490018	protein_coding
Prrx1	NM_001025570	green4	0.67288935	0.845414584	protein_coding
Ensa	NM_001026212	green4	0.73585395	0.926808888	protein_coding
Urb2	NM_001029876	green4	0.683382809	0.952065421	protein_coding
Mex3a	NM_001029890	green4	0.807982175	0.93914919	protein_coding
Safb2	NM_001029979	green4	0.694688676	0.9028639	protein_coding
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Prr7	NM_001030296	green4	0.68496579	0.805931817	protein_coding
Gsk3a	NM_001031667	green4	0.530559191	0.82018218	protein_coding
Lin28b	NM_001031772	green4	0.794629891	0.908985267	protein_coding
Lrrc14b	NM_001033042	green4	0.4843014	0.861553137	protein_coding
Dnajc25	NM_001033165	green4	0.676650223	0.913279337	protein_coding
Tmem181a	NM_001033178	green4	0.479737971	0.89199701	protein_coding
Ncbp1	NM_001033201	green4	0.703927181	0.907218031	protein_coding
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Brd1	NM_001033274	green4	0.616030187	0.853508317	protein_coding
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Prdm6	NM_001033281	green4	0.660379194	0.920047097	protein_coding
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Gmps	NM_001033300	green4	0.662692114	0.884738009	protein_coding

Ciart	NM_001033302	green4	0.872564063	0.812664107	protein_coding
Fbxl18	NM_001033312	green4	0.72373563	0.854618565	protein_coding
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Shisa3	NM_001033415	green4	0.77768153	0.885245834	protein_coding
Gal3st4	NM_001033416	green4	0.798538623	0.848435976	protein_coding
Zfp408	NM_001033451	green4	0.738482412	0.915564743	protein_coding
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Tatdn2	NM_001033463	green4	0.429031495	0.864133829	protein_coding
Zbtb2	NM_001033466	green4	0.725640555	0.832341314	protein_coding
Atxn7l3b	NM_001033474	green4	0.63921827	0.881595512	protein_coding
Iqgap3	NM_001033484	green4	0.630264561	0.888237657	protein_coding
Pusl1	NM_001033490	green4	0.783810732	0.865573512	protein_coding
Usp36	NM_001033528	green4	0.510544227	0.877293314	protein_coding
Ccdc102a	NM_001033533	green4	0.693697145	0.835896038	protein_coding
Zyg11b	NM_001033634	green4	0.588250708	0.845716409	protein_coding
Ube2u	NM_001033773	green4	-0.717068641	-0.820465572	protein_coding
Ppp2r1b	NM_001034085	green4	0.613137894	0.928350265	protein_coding
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Setd6	NM_001035123	green4	0.806900611	0.912465334	protein_coding
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Brms1l	NM_001037756	green4	0.55274383	0.834206431	protein_coding
Cklf	NM_001037841	green4	0.638117155	0.926253461	protein_coding
Dnajb6	NM_001037940	green4	0.681831703	0.82276814	protein_coding
Anapc11	NM_001038230	green4	0.54703643	0.827588897	protein_coding
Txn14a	NM_001038608	green4	0.647095545	0.811533378	protein_coding
Stk35	NM_001038635	green4	0.71541653	0.967563266	protein_coding
Rnf38	NM_001038993	green4	0.840762593	0.872670615	protein_coding
Eif4e2	NM_001039169	green4	0.711051983	0.934812486	protein_coding
Bicd2	NM_001039179	green4	0.624282062	0.957212996	protein_coding
Zfhx2	NM_001039198	green4	0.538503063	0.918012863	protein_coding
Mex3c	NM_001039214	green4	0.68610499	0.821192552	protein_coding
Kif21b	NM_001039472	green4	0.85452091	0.957074788	protein_coding
Dhps	NM_001039514	green4	0.806959045	0.869032736	protein_coding

Gtf2a2	NM_001039519	green4	0.536667249	0.872793886	protein_coding
Rrn3	NM_001039521	green4	0.64961685	0.965414638	protein_coding
Leo1	NM_001039522	green4	0.763905341	0.966658149	protein_coding
Pigl	NM_001039536	green4	0.769982357	0.882432234	protein_coding
Evi5l	NM_001039578	green4	0.577661934	0.872404682	protein_coding
Asxl1	NM_001039939	green4	0.56410021	0.86230522	protein_coding
Sco1	NM_001040026	green4	0.473841934	0.836369639	protein_coding
Nynrin	NM_001040072	green4	0.657384771	0.881175823	protein_coding
Setd1b	NM_001040398	green4	0.609410757	0.833124689	protein_coding
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Tacc3	NM_001040435	green4	0.641951323	0.89237487	protein_coding
Rabl3	NM_001042499	green4	0.725474339	0.93479085	protein_coding
Trim71	NM_001042503	green4	0.736895667	0.938051622	protein_coding
Txnrd1	NM_001042513	green4	0.93986218	0.853789114	protein_coding
Wsb1	NM_001042565	green4	0.849477117	0.864456322	protein_coding
Ubtf	NM_001044383	green4	0.91033922	0.818869415	protein_coding
Cyb5d1	NM_001045525	green4	0.811092556	0.96951613	protein_coding
Ccnjl	NM_001045530	green4	0.678283993	0.952978964	protein_coding
Rbm15	NM_001045807	green4	0.653002747	0.930071143	protein_coding
Snrpa	NM_001046637	green4	0.700002551	0.829413531	protein_coding
Net1	NM_001047159	green4	0.719707954	0.953010421	protein_coding
Hnrnpab	NM_001048061	green4	0.82215725	0.930170392	protein_coding
Zgpat	NM_001048148	green4	0.500068369	0.830462131	protein_coding
Agbl5	NM_001048192	green4	0.607706773	0.903476826	protein_coding
Hnrnp3	NM_001079824	green4	0.781707054	0.900757542	protein_coding
Rnps1	NM_001080127	green4	0.677517034	0.803056952	protein_coding
Usp6nl	NM_001080548	green4	0.652826733	0.895328887	protein_coding
Uhrf1bp1	NM_001080769	green4	0.66180526	0.924954091	protein_coding
Ash2l	NM_001080793	green4	0.804181953	0.890191194	protein_coding
Prdm10	NM_001080817	green4	0.630231138	0.958349651	protein_coding
Foxk2	NM_001080932	green4	0.656059911	0.955678412	protein_coding
Ddx23	NM_001080981	green4	0.814621145	0.974266053	protein_coding
Kansl1	NM_001081045	green4	0.785378229	0.987211678	protein_coding
Kmt2a	NM_001081049	green4	0.373650845	0.800735408	protein_coding
Ltn1	NM_001081068	green4	0.403809058	0.818587233	protein_coding
Cwf19l1	NM_001081077	green4	0.765584442	0.958915148	protein_coding

Zfp362	NM_001081098	green4	0.622472762	0.846087349	protein_coding
Aunip	NM_001081099	green4	0.664639755	0.806754833	protein_coding
Stim2	NM_001081103	green4	0.713016985	0.892262202	protein_coding
Helq	NM_001081107	green4	0.617908022	0.960022936	protein_coding
Clip3	NM_001081114	green4	0.783090575	0.952621326	protein_coding
Phrf1	NM_001081118	green4	0.651179241	0.926550796	protein_coding
Gli2	NM_001081125	green4	0.661692316	0.928313422	protein_coding
Gpr161	NM_001081126	green4	0.66895813	0.886848273	protein_coding
Mtr	NM_001081128	green4	0.447785868	0.815703449	protein_coding
Ogdhl	NM_001081130	green4	0.71778497	0.962298001	protein_coding
Kat6a	NM_001081149	green4	0.682735373	0.880004277	protein_coding
Lonrf1	NM_001081150	green4	0.841910085	0.960837444	protein_coding
Gan	NM_001081151	green4	0.803542026	0.959821869	protein_coding
Marf1	NM_001081154	green4	0.477913587	0.826821907	protein_coding
Chsy1	NM_001081163	green4	0.664864522	0.933958921	protein_coding
1110037F02Rik	NM_001081183	green4	0.681524874	0.920646103	protein_coding
Hnrnpul2	NM_001081196	green4	0.639510604	0.852054932	protein_coding
Mamdc4	NM_001081199	green4	0.531368678	0.921486213	protein_coding
Sbno1	NM_001081203	green4	0.602120889	0.875977891	protein_coding
Irs2	NM_001081212	green4	0.740552171	0.842685101	protein_coding
Pprc1	NM_001081214	green4	0.755316657	0.981553998	protein_coding
Ercc6	NM_001081221	green4	0.585838305	0.890593804	protein_coding
Fam178a	NM_001081225	green4	0.578615288	0.878604736	protein_coding
Mn1	NM_001081235	green4	0.845143879	0.951361353	protein_coding
Polr3a	NM_001081247	green4	0.508547796	0.802215711	protein_coding
Pbrm1	NM_001081251	green4	0.555168251	0.859294116	protein_coding
Lrch3	NM_001081255	green4	0.674653014	0.934467099	protein_coding
Kdm3b	NM_001081256	green4	0.65763559	0.924224779	protein_coding
Rsf1	NM_001081267	green4	0.717259063	0.804840518	protein_coding
Pgd	NM_001081274	green4	0.74089591	0.911959937	protein_coding
Ibtk	NM_001081282	green4	0.549979653	0.893480502	protein_coding
Fam217b	NM_001081289	green4	0.534130274	0.805379228	protein_coding
Prrc2c	NM_001081290	green4	0.610879746	0.926765357	protein_coding
Rprd2	NM_001081293	green4	0.518882756	0.824090487	protein_coding
Arhgef26	NM_001081295	green4	0.601599645	0.868610636	protein_coding
Adgrl2	NM_001081298	green4	0.867186482	0.844747091	protein_coding

Trio	NM_001081302	green4	0.804289084	0.919997386	protein_coding
Brpf3	NM_001081315	green4	0.408606044	0.880672896	protein_coding
Pds5a	NM_001081321	green4	0.542602044	0.82074915	protein_coding
Zkscan2	NM_001081329	green4	0.840448859	0.87343706	protein_coding
Slc9a5	NM_001081332	green4	0.609513798	0.859190038	protein_coding
Slc43a1	NM_001081349	green4	0.559976145	0.81107518	protein_coding
Slc43a1	NM_001081349	green4	0.495837535	0.826345058	protein_coding
Trrap	NM_001081362	green4	0.567709496	0.880415736	protein_coding
Cep164	NM_001081373	green4	0.649002245	0.921845295	protein_coding
Elp6	NM_001081381	green4	0.756190036	0.9063733	protein_coding
Zfp777	NM_001081382	green4	0.680860925	0.817186987	protein_coding
Mdn1	NM_001081392	green4	0.697558101	0.85727193	protein_coding
Amotl1	NM_001081395	green4	0.689631662	0.919937799	protein_coding
Wdr70	NM_001081402	green4	0.606045791	0.903077171	protein_coding
Bcr	NM_001081412	green4	0.735627029	0.882308505	protein_coding
Fam206a	NM_001081420	green4	0.674457863	0.950866427	protein_coding
Ttl5	NM_001081423	green4	0.566030711	0.919662074	protein_coding
Ncam1	NM_001081445	green4	0.751941727	0.888855766	protein_coding
Nasp	NM_001081475	green4	0.815058837	0.861424592	protein_coding
Camta1	NM_001081557	green4	0.683318997	0.870512293	protein_coding
Klhl34	NM_001081667	green4	0.739217692	0.989936296	protein_coding
Zfp664	NM_001081750	green4	0.70024214	0.899590215	protein_coding
Efr3b	NM_001082483	green4	0.795933204	0.95811433	protein_coding
Mkl1	NM_001082536	green4	0.516890638	0.847825426	protein_coding
Terf2	NM_001083118	green4	0.498621784	0.875797452	protein_coding
Dusp5	NM_001085390	green4	0.912280785	0.83011027	protein_coding
Gm13251	NM_001085522	green4	0.522039234	0.826652158	protein_coding
Ccnyl1	NM_001097644	green4	0.43985699	0.874712998	protein_coding
Hic1	NM_001098203	green4	0.650502666	0.820483985	protein_coding
Atad2b	NM_001099628	green4	0.621565637	0.856467977	protein_coding
Pnmal2	NM_001099636	green4	0.723694754	0.858230084	protein_coding
Cep170	NM_001099637	green4	0.637151371	0.850155962	protein_coding
Zcchc24	NM_001101433	green4	0.73801789	0.977323756	protein_coding
A230065H16Rik	NM_001101503	green4	-0.562408862	-0.87620456	protein_coding
Ccdc8	NM_001101535	green4	0.694005937	0.870051996	protein_coding
Alkbh1	NM_001102565	green4	0.587700887	0.926975778	protein_coding

Smyd4	NM_001102611	green4	0.596492224	0.921985692	protein_coding
Nt5c3b	NM_001102650	green4	0.7942184	0.887307378	protein_coding
Nt5c3b	NM_001102650	green4	0.731924678	0.847402545	protein_coding
Brwd1	NM_001103179	green4	0.675988796	0.945343772	protein_coding
Bach2	NM_001109661	green4	0.67130861	0.816669711	protein_coding
Phf21a	NM_001109690	green4	0.394149803	0.826523103	protein_coding
Hmbs	NM_001110251	green4	0.614473332	0.810837429	protein_coding
Sf1	NM_001110791	green4	0.612244227	0.86553645	protein_coding
Ccdc6	NM_001111121	green4	0.670134887	0.852474774	protein_coding
Sprtn	NM_001111141	green4	0.725073528	0.960384233	protein_coding
Tbc1d9	NM_001111304	green4	0.532661736	0.926675242	protein_coding
Sin3b	NM_001113248	green4	0.71549634	0.933933937	protein_coding
Ldb1	NM_001113408	green4	0.751948561	0.802439456	protein_coding
Zmym4	NM_001114399	green4	0.649845308	0.914845254	protein_coding
Pced1a	NM_001114541	green4	0.784375563	0.863194034	protein_coding
Phlpp2	NM_001122594	green4	0.587011829	0.883246441	protein_coding
Igf2	NM_001122736	green4	0.678096067	0.900315871	protein_coding
Igf2	NM_001122736	green4	0.848903997	0.855741692	protein_coding
Eps15l1	NM_001122832	green4	0.745156216	0.844472324	protein_coding
Epha7	NM_001122889	green4	0.828518308	0.815780556	protein_coding
Nab2	NM_001122895	green4	0.606441836	0.911768794	protein_coding
Rad54l	NM_001122958	green4	0.799984277	0.939978041	protein_coding
Sema4c	NM_001126047	green4	0.678537091	0.823717737	protein_coding
Siah3	NM_001128093	green4	0.770997089	0.848674327	protein_coding
Cecr2	NM_001128151	green4	0.696191311	0.875976252	protein_coding
Cdv3	NM_001134426	green4	0.788858467	0.921793029	protein_coding
Sh3kbp1	NM_001135727	green4	0.719822379	0.841355221	protein_coding
Ssrp1	NM_001136081	green4	0.682892721	0.866818502	protein_coding
Ssrp1	NM_001136081	green4	0.662811707	0.837747744	protein_coding
Uba1	NM_001136085	green4	0.810547184	0.911326405	protein_coding
Ccdc9	NM_001136471	green4	0.51735754	0.851533746	protein_coding
Ttll3	NM_001142732	green4	0.824459423	0.903305318	protein_coding
Atat1	NM_001142744	green4	0.718205979	0.838937904	protein_coding
Pogk	NM_001142948	green4	0.855857029	0.952747279	protein_coding
Ppfia4	NM_001144855	green4	0.816238087	0.818442229	protein_coding
R3hcc1	NM_001146012	green4	0.611700234	0.801993285	protein_coding

Wac	NM_001146298	green4	0.853797228	0.831841554	protein_coding
Rnf217	NM_001146349	green4	0.716101485	0.915465788	protein_coding
Nap1l1	NM_001146707	green4	0.762719967	0.865015672	protein_coding
Nap1l1	NM_001146707	green4	0.815595755	0.877845001	protein_coding
Morc2a	NM_001159288	green4	0.728733755	0.890735154	protein_coding
Dip2b	NM_001159361	green4	0.708448631	0.949558468	protein_coding
Cep97	NM_001159364	green4	0.599432642	0.911881011	protein_coding
Gpatch8	NM_001159492	green4	0.687082188	0.942249855	protein_coding
Pfas	NM_001159519	green4	0.723975669	0.964758028	protein_coding
Pex19	NM_001159525	green4	0.767225521	0.872542161	protein_coding
H13	NM_001159551	green4	0.667670355	0.810038655	protein_coding
Nol9	NM_001159599	green4	0.71330236	0.959685064	protein_coding
Scmh1	NM_001159630	green4	0.372268909	0.817351409	protein_coding
Gm17296	NM_001159907	green4	0.497587802	0.830024449	protein_coding
Il1rapl1	NM_001160403	green4	0.565136485	0.90682078	protein_coding
Kdm4a	NM_001161823	green4	0.697408747	0.898384775	protein_coding
Stra6	NM_001162475	green4	0.792866967	0.900135575	protein_coding
Ccdc71l	NM_001162903	green4	0.518096197	0.858035315	protein_coding
Rmi2	NM_001162932	green4	0.669962849	0.918580883	protein_coding
Mapre2	NM_001162941	green4	0.931998024	0.845622566	protein_coding
Dchs1	NM_001162943	green4	0.657504888	0.873695728	protein_coding
Zbtb5	NM_001163283	green4	0.651554664	0.921984325	protein_coding
Safb	NM_001163300	green4	0.791541019	0.952205062	protein_coding
Tubgcp6	NM_001163319	green4	0.670604972	0.955107643	protein_coding
Cdc42ep4	NM_001163346	green4	0.844285726	0.936514112	protein_coding
Zfp746	NM_001163475	green4	0.466139297	0.8276602	protein_coding
Rgs12	NM_001163512	green4	0.717407525	0.873687753	protein_coding
Senp3	NM_001163571	green4	0.596472488	0.815264583	protein_coding
Scnm1	NM_001163573	green4	0.796348674	0.842914873	protein_coding
Nhs12	NM_001163610	green4	0.658431388	0.900504396	protein_coding
Tnks2	NM_001163635	green4	0.521802707	0.832100802	protein_coding
Rrp1b	NM_001163734	green4	0.435368837	0.831138552	protein_coding
Ccdc167	NM_001163741	green4	0.440952668	0.896922816	protein_coding
Spsb3	NM_001163750	green4	0.772598798	0.93065114	protein_coding
C530008M17Rik	NM_001163793	green4	0.700176992	0.970082543	protein_coding
Pola2	NM_001164057	green4	0.777153629	0.890164592	protein_coding

Tgif1	NM_001164074	green4	0.836679284	0.85614943	protein_coding
Tgif1	NM_001164074	green4	0.839392013	0.805107686	protein_coding
Kalrn	NM_001164268	green4	0.599532429	0.862613916	protein_coding
Kalrn	NM_001164268	green4	0.735524536	0.845212905	protein_coding
Mga	NM_001164274	green4	0.464342704	0.820144948	protein_coding
Rnf165	NM_001164504	green4	0.849564688	0.930588866	protein_coding
Iglon5	NM_001164518	green4	0.801098418	0.88335038	protein_coding
Zfp512b	NM_001164597	green4	0.67858351	0.94062697	protein_coding
Nsmce2	NM_001164604	green4	0.371221526	0.818198906	protein_coding
Soga1	NM_001164663	green4	0.638866517	0.906877422	protein_coding
Ano8	NM_001164679	green4	0.808815293	0.896208154	protein_coding
Polr2m	NM_001164793	green4	0.835028481	0.871826375	protein_coding
Bend4	NM_001164806	green4	0.840205254	0.950552219	protein_coding
Rgs9	NM_001165934	green4	0.697564947	0.871465959	protein_coding
Slc38a1	NM_001166456	green4	0.797923727	0.844175203	protein_coding
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Rnf145	NM_001166553	green4	0.71166379	0.911993718	protein_coding
Dnah17	NM_001167746	green4	0.687585097	0.84317031	protein_coding
Asxl3	NM_001167777	green4	0.770523118	0.863067829	protein_coding
D830031N03Rik	NM_001167918	green4	0.831292279	0.935659488	protein_coding
Ankrd10	NM_001167967	green4	0.815105085	0.852800033	protein_coding
Knop1	NM_001168218	green4	0.847932184	0.831865337	protein_coding
Rmi1	NM_001168248	green4	0.960244919	0.834597826	protein_coding
Dynll2	NM_001168471	green4	0.743171767	0.875522432	protein_coding
Ccdc127	NM_001168658	green4	0.769841086	0.926945599	protein_coding
Trip4	NM_001170907	green4	0.524045532	0.851125996	protein_coding
Wdr33	NM_001170966	green4	0.667539984	0.892966476	protein_coding
Degs2	NM_001171002	green4	0.763568304	0.893475603	protein_coding
Flrt3	NM_001172160	green4	0.690842017	0.808666579	protein_coding
Ube2i	NM_001177609	green4	0.77123339	0.902820086	protein_coding
Grb10	NM_001177629	green4	0.783375311	0.889957604	protein_coding
Tsc22d1	NM_001177751	green4	0.615804214	0.910554383	protein_coding
Fbxw7	NM_001177773	green4	0.894555486	0.860119906	protein_coding
Frmd4a	NM_001177843	green4	0.780375426	0.871844543	protein_coding
Sgol2a	NM_001177867	green4	0.702142686	0.858786169	protein_coding
Pfdn6	NM_001185182	green4	0.537814549	0.858422932	protein_coding

Kifc1	NM_001195298	green4	0.672351621	0.90443093	protein_coding
Prr22	NM_001195673	green4	0.783863757	0.84480757	protein_coding
Foxp1	NM_001197321	green4	0.734496361	0.829941461	protein_coding
Nrxn3	NM_001198587	green4	0.779506285	0.810761729	protein_coding
Ei24	NM_001199494	green4	0.709847102	0.80517897	protein_coding
Armcx4	NM_001202500	green4	0.701063092	0.900224351	protein_coding
Set	NM_001204875	green4	0.860315763	0.928921093	protein_coding
Set	NM_001204875	green4	0.748244616	0.865642045	protein_coding
Ppp2r2a	NM_001205188	green4	0.625472228	0.955252541	protein_coding
Ncoa6	NM_001242558	green4	0.79692603	0.931896464	protein_coding
Arntl	NM_001243048	green4	-0.657446137	-0.804246707	protein_coding
Fam193a	NM_001243123	green4	0.656764453	0.930830703	protein_coding
Cacfd1	NM_001243239	green4	0.794193148	0.930945128	protein_coding
Itch	NM_001243712	green4	0.505444749	0.841057437	protein_coding
Map4k4	NM_001252200	green4	0.798955096	0.936457701	protein_coding
Ptprs	NM_001252453	green4	0.66222843	0.806873948	protein_coding
Osbp1a	NM_001252489	green4	0.711545945	0.942642692	protein_coding
D430019H16Rik	NM_001252508	green4	0.816291916	0.97008559	protein_coding
Sulf2	NM_001252578	green4	0.844483969	0.828635194	protein_coding
Elp5	NM_001253700	green4	0.687914195	0.913656489	protein_coding
Tpm3	NM_001253738	green4	0.665771091	0.835094352	protein_coding
Fdps	NM_001253751	green4	0.415708709	0.863562847	protein_coding
Ywhaz	NM_001253805	green4	0.833413078	0.856826686	protein_coding
Mtf2	NM_001253877	green4	0.654946481	0.913823134	protein_coding
Pkm	NM_001253883	green4	0.715048495	0.82781913	protein_coding
Agap3	NM_001256431	green4	0.718033942	0.887247132	protein_coding
Ttc28	NM_001267622	green4	0.676132699	0.805770621	protein_coding
Dpf3	NM_001267625	green4	0.480711441	0.814287283	protein_coding
Pgf	NM_001271705	green4	0.734372799	0.866851898	protein_coding
Cyhr1	NM_001276321	green4	0.678077691	0.917519003	protein_coding
Nxf1	NM_001276704	green4	0.654220312	0.832430968	protein_coding
Chd7	NM_001277149	green4	0.808574464	0.965257977	protein_coding
Crkl	NM_001277231	green4	0.866237905	0.888001445	protein_coding
Rcn2	NM_001278274	green4	0.707003743	0.946854348	protein_coding
Syngap1	NM_001281491	green4	0.688906611	0.854217694	protein_coding
Ddx46	NM_001282055	green4	0.647750089	0.917954918	protein_coding

Tmem201	NM_001284270	green4	0.708225017	0.923134094	protein_coding
Crabp1	NM_001284507	green4	0.936482305	0.861128427	protein_coding
Nap1l4	NM_001285489	green4	0.828154044	0.884914371	protein_coding
Nap1l4	NM_001285489	green4	0.734832287	0.850715717	protein_coding
Sae1	NM_001285891	green4	0.777919692	0.946891132	protein_coding
Skp2	NM_001285980	green4	0.711202895	0.873897001	protein_coding
Foxp2	NM_001286607	green4	0.671927958	0.857875384	protein_coding
Nup98	NM_001287164	green4	0.641184986	0.917445852	protein_coding
Csnk1e	NM_001289898	green4	0.517827617	0.803536629	protein_coding
E2f3	NM_001289920	green4	0.770555235	0.964449341	protein_coding
Nkain3	NM_001290410	green4	0.67941127	0.807652882	protein_coding
Nkain3	NM_001290410	green4	0.590672322	0.835679064	protein_coding
Ubp1	NM_001290454	green4	0.384632306	0.844593737	protein_coding
Atp5sl	NM_001290487	green4	0.48642994	0.837997235	protein_coding
Phf6	NM_001290546	green4	0.667455556	0.884038865	protein_coding
Meaf6	NM_001290701	green4	0.706677466	0.939579697	protein_coding
Tcp1	NM_001290712	green4	0.95543273	0.872383099	protein_coding
Rnf130	NM_001290749	green4	0.834149839	0.973854879	protein_coding
Aqr	NM_001290788	green4	0.900628628	0.935822857	protein_coding
Polr2a	NM_001291068	green4	0.819029515	0.910234008	protein_coding
Dido1	NM_001291432	green4	0.878441452	0.922912127	protein_coding
Adam19	NM_001291890	green4	0.706563078	0.892807777	protein_coding
Zfp799	NM_001293229	green4	0.688445556	0.938634781	protein_coding
Unc5c	NM_001293561	green4	0.801453461	0.87298029	protein_coding
Ppp3ca	NM_001293622	green4	0.615188388	0.820901748	protein_coding
Hmgb3	NM_001293623	green4	0.78783425	0.919844856	protein_coding
Polr3gl	NM_001293701	green4	0.735514102	0.906414064	protein_coding
Pip5k1a	NM_001293707	green4	0.657855692	0.931475982	protein_coding
Rab13	NM_001293741	green4	0.75632993	0.859150575	protein_coding
Dctn6	NM_001293757	green4	0.712458959	0.874163192	protein_coding
Pygo2	NM_001293763	green4	0.720036499	0.885327762	protein_coding
Chtop	NM_001293776	green4	0.692581596	0.946101371	protein_coding
Ints10	NM_001293791	green4	0.644061775	0.874897244	protein_coding
Tmem161a	NM_001293797	green4	0.690589356	0.814933334	protein_coding
Kcnh2	NM_001294162	green4	0.594478824	0.831813662	protein_coding
Zfp827	NM_001294279	green4	0.796545878	0.976303249	protein_coding

Apela	NM_001297554	green4	-0.846779577	-0.871232121	protein_coding
Poglut1	NM_001300827	green4	0.597069685	0.808969146	protein_coding
Dus2	NM_001301176	green4	0.848646203	0.876373066	protein_coding
Gab1	NM_001301298	green4	0.714301134	0.871297274	protein_coding
Hnrnpk	NM_001301340	green4	0.763949828	0.969272275	protein_coding
Slc7a1	NM_001301424	green4	0.370570111	0.804553043	protein_coding
Pitpnb	NM_001301643	green4	0.707054488	0.89865018	protein_coding
Dnm1	NM_001301737	green4	0.782634546	0.966352303	protein_coding
Stk11	NM_001301853	green4	0.575579454	0.8918618	protein_coding
Fkbp1a	NM_001302077	green4	0.707113664	0.891907142	protein_coding
Usp3	NM_001302116	green4	0.828963213	0.908101652	protein_coding
Cenpa	NM_001302129	green4	0.750804543	0.820342217	protein_coding
Lmo1	NM_001302205	green4	0.871555704	0.868893816	protein_coding
Tmem138	NM_001302218	green4	0.674907144	0.875210205	protein_coding
Cnih2	NM_001302333	green4	0.81847098	0.915740234	protein_coding
Zfp422	NM_001302439	green4	0.849591559	0.952180139	protein_coding
Ing1	NM_001302451	green4	0.8006628	0.875655769	protein_coding
Gzmm	NM_001302485	green4	0.495869337	0.862257702	protein_coding
Mcm5	NM_001302540	green4	0.594821664	0.821602156	protein_coding
Prdm4	NM_001302886	green4	0.729953147	0.97220025	protein_coding
Sh2b2	NM_001302938	green4	0.815157054	0.940361366	protein_coding
Tle4	NM_001302947	green4	0.652782434	0.956865851	protein_coding
Mycl	NM_001303121	green4	0.75556252	0.810163745	protein_coding
Agfg2	NM_001303266	green4	0.780351273	0.802326657	protein_coding
Prdx6	NM_001303408	green4	0.675805576	0.91682432	protein_coding
Rnf4	NM_001304269	green4	0.79343344	0.991345163	protein_coding
Stil	NM_001304551	green4	0.619352253	0.889882979	protein_coding
Coq7	NM_001304758	green4	0.6294518	0.889795752	protein_coding
Hdgfrp2	NM_001304784	green4	0.762453092	0.916841776	protein_coding
Rnf25	NM_001305230	green4	0.614864731	0.817959504	protein_coding
Dtl	NM_001305233	green4	0.741639035	0.869770408	protein_coding
Mcm10	NM_001305259	green4	0.714834758	0.901077259	protein_coding
Mpdz	NM_001305284	green4	0.838714291	0.955374393	protein_coding
Kifap3	NM_001305643	green4	0.659459274	0.83425217	protein_coding
Usf1	NM_001305676	green4	0.780557268	0.898892815	protein_coding
Midn	NM_001305798	green4	0.800661369	0.919737796	protein_coding

Pank4	NM_001305804	green4	0.593117483	0.825433071	protein_coding
Limk1	NM_001305875	green4	0.822811821	0.931987232	protein_coding
Rptor	NM_001306081	green4	0.614882997	0.871078955	protein_coding
Mbd3	NM_001306143	green4	0.722003571	0.913838075	protein_coding
Mmp11	NM_001306184	green4	0.690702454	0.883142532	protein_coding
Ints7	NM_001306203	green4	0.672646534	0.907997502	protein_coding
Nfkbib	NM_001306222	green4	0.815437694	0.891577985	protein_coding
Hhipl2	NM_001308052	green4	0.855113159	0.875951319	protein_coding
Zcchc4	NM_001308144	green4	0.446944141	0.864173848	protein_coding
Cdk5rap3	NM_001308183	green4	0.515936976	0.85767222	protein_coding
Nek4	NM_001308328	green4	0.573362064	0.818918955	protein_coding
Siah1b	NM_001308385	green4	0.876065479	0.922843444	protein_coding
Mtrr	NM_001308475	green4	0.462400128	0.811213476	protein_coding
Scamp3	NM_001309909	green4	0.516173694	0.900570523	protein_coding
Adnp	NM_001310086	green4	0.651591402	0.839205682	protein_coding
Cdk14	NM_001310448	green4	0.782486723	0.984900671	protein_coding
Reln	NM_001310464	green4	-0.923965757	-0.883170311	protein_coding
Rint1	NM_001310467	green4	0.486180651	0.845412184	protein_coding
Zfp423	NM_001310520	green4	0.776876857	0.906224479	protein_coding
Lrfr5	NM_001310586	green4	0.565768912	0.872199496	protein_coding
Cog4	NM_001310607	green4	0.623794194	0.868571596	protein_coding
Usp10	NM_001310630	green4	0.621950371	0.881608097	protein_coding
Usp37	NM_001310662	green4	0.569590777	0.841162233	protein_coding
Zfp142	NM_001310668	green4	0.820388642	0.955085841	protein_coding
Obsl1	NM_001310679	green4	0.610331341	0.821051353	protein_coding
Gemin8	NM_001310722	green4	0.526630099	0.867640879	protein_coding
Mre11a	NM_001310728	green4	0.699882189	0.942602853	protein_coding
Mterf4	NM_001310756	green4	0.610571801	0.8834197	protein_coding
Dixdc1	NM_001311069	green4	0.831234292	0.870615999	protein_coding
Lingo1	NM_001311076	green4	0.839493077	0.887291181	protein_coding
Zc3hc1	NM_001311086	green4	0.809832797	0.907739605	protein_coding
Klhdc10	NM_001311087	green4	0.761005209	0.863197666	protein_coding
Sema6a	NM_001311097	green4	0.815066851	0.866814006	protein_coding
Kbtbd4	NM_001311116	green4	0.760415172	0.986292911	protein_coding
Ube2v1	NM_001311131	green4	0.674605839	0.853214777	protein_coding
Xpo6	NM_001311143	green4	0.603135293	0.903788367	protein_coding

1110051M20Rik	NM_001311144	green4	0.808369662	0.978591276	protein_coding
Usp4	NM_001311157	green4	0.63422573	0.857410771	protein_coding
Ror1	NM_001312690	green4	0.587974497	0.86319965	protein_coding
Tgfr1	NM_001312868	green4	0.701110821	0.917837735	protein_coding
Timm17b	NM_001313693	green4	0.680266604	0.852625934	protein_coding
Mcm6	NM_001313695	green4	0.68305049	0.942226092	protein_coding
Hnrph2	NM_001313716	green4	0.716645176	0.915471735	protein_coding
Gpr173	NM_001313748	green4	0.567935025	0.857863242	protein_coding
Acvr2b	NM_001313757	green4	0.740433368	0.878672453	protein_coding
Cdk5rap2	NM_001313762	green4	0.754165154	0.979250369	protein_coding
Prmt5	NM_001313906	green4	0.750150018	0.948267558	protein_coding
Actg1	NM_001313923	green4	0.774336395	0.816473028	protein_coding
Tcf7	NM_001313981	green4	0.769185833	0.983072034	protein_coding
Ubb	NM_001313984	green4	0.701650296	0.850394785	protein_coding
Unc119	NM_001313985	green4	0.828620485	0.879960877	protein_coding
Sh3bp1	NM_001316684	green4	0.497390655	0.860009558	protein_coding
2810408A11Rik	NM_001316696	green4	0.8804841	0.902639739	protein_coding
Mier2	NM_001316699	green4	0.563452526	0.889472553	protein_coding
Prpf3	NM_001316751	green4	0.776301467	0.973822997	protein_coding
Hmgxb4	NM_001316753	green4	0.671407499	0.905156063	protein_coding
Bub3	NM_001317350	green4	0.754045479	0.938745475	protein_coding
Col24a1	NM_001317733	green4	0.774604498	0.849785917	protein_coding
Mmp21	NM_001320216	green4	0.638979315	0.852142749	protein_coding
Rcor2	NM_001320554	green4	0.717557915	0.857890128	protein_coding
Gpatch2l	NM_001324488	green4	0.475599905	0.819837	protein_coding
Rhno1	NM_001326583	green4	0.542709643	0.904516735	protein_coding
Ccdc134	NM_001326588	green4	0.757286507	0.912917206	protein_coding
Usp5	NM_001326594	green4	0.662160222	0.889274188	protein_coding
Wdyhv1	NM_001326599	green4	0.626937125	0.922245635	protein_coding
Creb5	NM_001327821	green4	0.878566469	0.929740677	protein_coding
Adprh	NM_007414	green4	0.729559993	0.916011062	protein_coding
Parp1	NM_007415	green4	0.723615796	0.932642151	protein_coding
Arg1	NM_007482	green4	0.827767274	0.949441144	protein_coding
Arnt2	NM_007488	green4	0.697993255	0.866549034	protein_coding
Zfhx3	NM_007496	green4	0.657669512	0.898618473	protein_coding
Bach1	NM_007520	green4	0.814145637	0.929462935	protein_coding

Bard1	NM_007525	green4	0.622523045	0.890139373	protein_coding
Bax	NM_007527	green4	0.818709138	0.870897044	protein_coding
C1qbp	NM_007573	green4	0.778027899	0.922687368	protein_coding
Casp2	NM_007610	green4	0.674345905	0.946982631	protein_coding
Cbl	NM_007619	green4	0.70707474	0.913531348	protein_coding
Cbx1	NM_007622	green4	0.818755227	0.92805463	protein_coding
Cbx2	NM_007623	green4	0.80574501	0.941325717	protein_coding
Ccne1	NM_007633	green4	0.687136421	0.865255076	protein_coding
Ccnf	NM_007634	green4	0.684104335	0.950489446	protein_coding
Cct2	NM_007636	green4	0.690789541	0.944048798	protein_coding
Cct7	NM_007638	green4	0.776656682	0.956653183	protein_coding
Cdc25a	NM_007658	green4	0.869345415	0.955963704	protein_coding
Cdk11b	NM_007661	green4	0.793663462	0.971914947	protein_coding
Cdh2	NM_007664	green4	0.839051304	0.904166723	protein_coding
Cdk5	NM_007668	green4	0.640719077	0.832732265	protein_coding
Cfl1	NM_007687	green4	0.795766498	0.947830498	protein_coding
Chd1	NM_007690	green4	0.800928886	0.954619937	protein_coding
Chl1	NM_007697	green4	0.904729616	0.908551554	protein_coding
Clk3	NM_007713	green4	0.632720604	0.908863524	protein_coding
Hivep1	NM_007772	green4	0.735979789	0.878986208	protein_coding
Csnk2a1	NM_007788	green4	0.551824692	0.873713076	protein_coding
Smc3	NM_007790	green4	0.603543506	0.859497619	protein_coding
Dcc	NM_007831	green4	0.68994403	0.945945059	protein_coding
Dck	NM_007832	green4	0.65728655	0.926117435	protein_coding
Ddx5	NM_007840	green4	0.784670849	0.838839903	protein_coding
Doc2b	NM_007873	green4	0.635622248	0.863314062	protein_coding
Dpagt1	NM_007875	green4	0.636065748	0.913431276	protein_coding
Drg1	NM_007879	green4	0.602875969	0.932891749	protein_coding
Dvl2	NM_007888	green4	0.628549859	0.888510143	protein_coding
Efna2	NM_007909	green4	0.681259665	0.846355832	protein_coding
Efna4	NM_007910	green4	0.824076341	0.914073185	protein_coding
Efnb3	NM_007911	green4	0.855418672	0.93436692	protein_coding
Ddx19a	NM_007916	green4	0.732041372	0.91499023	protein_coding
Elk1	NM_007922	green4	0.708765068	0.913127759	protein_coding
Emd	NM_007927	green4	0.661822333	0.968970949	protein_coding
Enc1	NM_007930	green4	0.745710657	0.800066591	protein_coding

Epha4	NM_007936	green4	0.866596054	0.873422336	protein_coding
Ercc2	NM_007949	green4	0.784405415	0.932499332	protein_coding
Erh	NM_007951	green4	0.655008053	0.835539649	protein_coding
Fscn1	NM_007984	green4	0.745026685	0.873793951	protein_coding
Fasn	NM_007988	green4	0.604644488	0.860160379	protein_coding
Fbl	NM_007991	green4	0.724810502	0.892933918	protein_coding
Fgd1	NM_008001	green4	0.668889214	0.907342845	protein_coding
Fgf10	NM_008002	green4	0.787944338	0.923965617	protein_coding
Ppm1g	NM_008014	green4	0.752623449	0.982628087	protein_coding
Foxm1	NM_008021	green4	0.676700042	0.951578504	protein_coding
Aff2	NM_008032	green4	0.940609099	0.912058577	protein_coding
Fzd7	NM_008057	green4	0.758453164	0.854071192	protein_coding
Gabra3	NM_008067	green4	0.688601067	0.919986174	protein_coding
Gabrb2	NM_008070	green4	0.826960914	0.928330073	protein_coding
Gja8	NM_008123	green4	0.718271853	0.912829563	protein_coding
Gli3	NM_008130	green4	0.887101543	0.946511416	protein_coding
Gnl1	NM_008136	green4	0.508164487	0.80360159	protein_coding
Golga3	NM_008146	green4	0.555128501	0.906644634	protein_coding
Gspt2	NM_008179	green4	0.718698177	0.812208228	protein_coding
Hars	NM_008214	green4	0.686162485	0.939101728	protein_coding
Has1	NM_008215	green4	0.703128795	0.90218731	protein_coding
Hcfc1	NM_008224	green4	0.592318507	0.900204754	protein_coding
Hdgf	NM_008231	green4	0.662064113	0.937802941	protein_coding
Foxd1	NM_008242	green4	0.812035038	0.860896471	protein_coding
Hmgn1	NM_008251	green4	0.760780109	0.963238879	protein_coding
Hmgcr	NM_008255	green4	0.693623417	0.961972511	protein_coding
Hn1	NM_008258	green4	0.664021305	0.870214905	protein_coding
Hoxa13	NM_008264	green4	0.885542306	0.822267597	protein_coding
Hoxb1	NM_008266	green4	0.840879101	0.831207011	protein_coding
Hoxd12	NM_008274	green4	0.730881131	0.841644725	protein_coding
Hoxd13	NM_008275	green4	0.854259798	0.867671538	protein_coding
Hsf1	NM_008296	green4	0.762309711	0.905976169	protein_coding
Hspa4	NM_008300	green4	0.768296783	0.978294097	protein_coding
Hsp90ab1	NM_008302	green4	0.633625409	0.866378339	protein_coding
Igfbp6	NM_008344	green4	-0.813006109	-0.822188924	protein_coding
Kpnb1	NM_008379	green4	0.790532155	0.988855424	protein_coding

Kcna3	NM_008418	green4	0.675750741	0.806647245	protein_coding
Kcnj2	NM_008425	green4	0.718563334	0.920317888	protein_coding
Kif3c	NM_008445	green4	0.665934378	0.904678134	protein_coding
Kif5c	NM_008449	green4	0.648051285	0.850124412	protein_coding
Klf3	NM_008453	green4	0.487236872	0.833350523	protein_coding
Marcks	NM_008538	green4	0.657969667	0.928899284	protein_coding
Masp1	NM_008555	green4	0.840991024	0.882822495	protein_coding
Mcm3	NM_008563	green4	0.744975921	0.955638669	protein_coding
Mcm2	NM_008564	green4	0.69380104	0.931849702	protein_coding
Mcm4	NM_008565	green4	0.70979238	0.926124941	protein_coding
Mcm7	NM_008568	green4	0.733617841	0.914986951	protein_coding
Anapc1	NM_008569	green4	0.702404006	0.976207656	protein_coding
Meox2	NM_008584	green4	0.737352214	0.813803841	protein_coding
Foxc1	NM_008592	green4	0.734816641	0.815662458	protein_coding
Foxd2	NM_008593	green4	0.68817426	0.827934071	protein_coding
Mmp14	NM_008608	green4	0.590946587	0.815290701	protein_coding
Mmp2	NM_008610	green4	0.513713802	0.868501797	protein_coding
Mrc2	NM_008626	green4	0.781584147	0.852659093	protein_coding
Msh2	NM_008628	green4	0.754657541	0.980681481	protein_coding
Msi1	NM_008629	green4	0.766216709	0.918850857	protein_coding
Nudt1	NM_008637	green4	0.829195271	0.867817235	protein_coding
Mthfd2	NM_008638	green4	0.62573177	0.895456043	protein_coding
Mybl2	NM_008652	green4	0.620168953	0.900839061	protein_coding
Mycn	NM_008709	green4	0.775782923	0.821990017	protein_coding
Ctnnd2	NM_008729	green4	0.629486232	0.872049374	protein_coding
Nsd1	NM_008739	green4	0.565787562	0.839861285	protein_coding
Nthl1	NM_008743	green4	0.903287142	0.843113709	protein_coding
Nxn	NM_008750	green4	0.761063609	0.85513066	protein_coding
Nxph1	NM_008751	green4	0.795475351	0.861914503	protein_coding
Pabpc1	NM_008774	green4	0.65115034	0.817722253	protein_coding
Pafah1b2	NM_008775	green4	0.629222669	0.930568583	protein_coding
Pdcd2	NM_008799	green4	0.372061439	0.812330482	protein_coding
Peg3	NM_008817	green4	0.853298819	0.93140959	protein_coding
Plxna2	NM_008882	green4	0.663459743	0.838454363	protein_coding
Plxna3	NM_008883	green4	0.683789874	0.853942636	protein_coding
Pms2	NM_008886	green4	0.768855476	0.896219719	protein_coding

Ppp1r14b	NM_008889	green4	0.735417873	0.924646185	protein_coding
Pnn	NM_008891	green4	0.745315289	0.922410991	protein_coding
Pold2	NM_008894	green4	0.752087871	0.852807557	protein_coding
Prkar2a	NM_008924	green4	0.563839597	0.845418844	protein_coding
Npepps	NM_008942	green4	0.663614396	0.827420848	protein_coding
Psmb6	NM_008946	green4	0.633075496	0.863173177	protein_coding
Psmc1	NM_008947	green4	0.698239833	0.915582865	protein_coding
Psmc3	NM_008948	green4	0.726831859	0.895241319	protein_coding
Psmc5	NM_008950	green4	0.814349933	0.989511343	protein_coding
Igdcc3	NM_008988	green4	0.678618659	0.858962159	protein_coding
Rab24	NM_009000	green4	0.84706775	0.917582692	protein_coding
Rad23b	NM_009011	green4	0.682047917	0.900102002	protein_coding
Aldh1a2	NM_009022	green4	0.793186162	0.866766907	protein_coding
Trim27	NM_009054	green4	0.566428198	0.84598797	protein_coding
Polr1c	NM_009085	green4	0.670643768	0.812225624	protein_coding
Polr1b	NM_009086	green4	0.650556842	0.854588652	protein_coding
Polr1a	NM_009088	green4	0.684750384	0.983894647	protein_coding
Rps29	NM_009093	green4	0.575979775	0.820854908	protein_coding
Rrm2	NM_009104	green4	0.684982882	0.941004281	protein_coding
Prrx2	NM_009116	green4	0.8346487	0.949016143	protein_coding
Ccl25	NM_009138	green4	0.713002965	0.947217874	protein_coding
Sfrp2	NM_009144	green4	0.547439587	0.920974388	protein_coding
Sepw1	NM_009156	green4	0.695607172	0.821769271	protein_coding
Siah1a	NM_009172	green4	0.669033898	0.897180478	protein_coding
St3gal1	NM_009177	green4	0.479689065	0.843709426	protein_coding
St3gal2	NM_009179	green4	0.669541944	0.898806323	protein_coding
St8sia2	NM_009181	green4	0.832444606	0.950398055	protein_coding
Clpb	NM_009191	green4	0.623248769	0.907240675	protein_coding
Slc4a1ap	NM_009206	green4	0.688770159	0.967780736	protein_coding
Smarcc1	NM_009211	green4	0.791117946	0.953449256	protein_coding
Ighmbp2	NM_009212	green4	0.589505199	0.802487902	protein_coding
Sms	NM_009214	green4	0.831032606	0.917557848	protein_coding
Snn	NM_009223	green4	0.724307085	0.885354517	protein_coding
Snrnp70	NM_009224	green4	0.73791101	0.942303839	protein_coding
Snrpb	NM_009225	green4	0.677070776	0.91254856	protein_coding
Sox11	NM_009234	green4	0.816888094	0.928188168	protein_coding

Sox4	NM_009238	green4	0.753175006	0.856519587	protein_coding
Srm	NM_009272	green4	0.792582592	0.974799263	protein_coding
Zfp143	NM_009281	green4	0.549247999	0.81650979	protein_coding
Stc1	NM_009285	green4	0.647599222	0.820180189	protein_coding
Supt6	NM_009297	green4	0.697017181	0.933056697	protein_coding
Surf6	NM_009298	green4	0.758853249	0.973902284	protein_coding
Taf6	NM_009315	green4	0.68413232	0.931511651	protein_coding
Tcf15	NM_009328	green4	0.924001537	0.856723161	protein_coding
Vps72	NM_009336	green4	0.645175681	0.846419679	protein_coding
Acat2	NM_009338	green4	0.771129741	0.986184055	protein_coding
Phlda1	NM_009344	green4	0.877933576	0.937816673	protein_coding
Tert	NM_009354	green4	0.657004443	0.939128839	protein_coding
Ppp2r5d	NM_009358	green4	0.683699749	0.91304837	protein_coding
Tfam	NM_009360	green4	0.702678727	0.922474276	protein_coding
Tgfb2	NM_009367	green4	0.89924777	0.839094553	protein_coding
Tgfbi	NM_009369	green4	0.881761394	0.82938752	protein_coding
Ran	NM_009391	green4	0.660262557	0.887169449	protein_coding
Top1	NM_009408	green4	0.648864429	0.805630991	protein_coding
Top3a	NM_009410	green4	0.771454019	0.934889877	protein_coding
Traf4	NM_009423	green4	0.699708525	0.887098502	protein_coding
Ctr9	NM_009431	green4	0.779152638	0.917060797	protein_coding
Ttf1	NM_009442	green4	0.704303087	0.888641175	protein_coding
Tubb4a	NM_009451	green4	0.612727941	0.893833348	protein_coding
Ube2e1	NM_009455	green4	0.807215787	0.840272132	protein_coding
Ube2l3	NM_009456	green4	0.545423222	0.860396454	protein_coding
Umps	NM_009471	green4	0.764580427	0.936145792	protein_coding
Vcp	NM_009503	green4	0.629697152	0.866473823	protein_coding
Vegfc	NM_009506	green4	0.742052898	0.893259555	protein_coding
Vhl	NM_009507	green4	0.73166818	0.88606424	protein_coding
Wee1	NM_009516	green4	0.72566416	0.939062819	protein_coding
Xrcc1	NM_009532	green4	0.760347854	0.931888835	protein_coding
Ywhae	NM_009536	green4	0.770952988	0.938759565	protein_coding
Zbtb17	NM_009541	green4	0.631927421	0.845159338	protein_coding
Zfp105	NM_009544	green4	0.622977836	0.875853994	protein_coding
Zbtb14	NM_009547	green4	0.520500241	0.897592239	protein_coding
Zscan2	NM_009553	green4	0.749268769	0.835050863	protein_coding

Zfp61	NM_009561	green4	0.803174175	0.821817191	protein_coding
Zfp64	NM_009564	green4	0.596245696	0.825367643	protein_coding
Dnajc2	NM_009584	green4	0.686744134	0.875409213	protein_coding
Parp2	NM_009632	green4	0.618822195	0.946277742	protein_coding
Adsl	NM_009634	green4	0.594191484	0.858918566	protein_coding
Anp32a	NM_009672	green4	0.688010803	0.896158071	protein_coding
Ap3s2	NM_009682	green4	0.766455668	0.924916129	protein_coding
Cep131	NM_009734	green4	0.643860847	0.917113442	protein_coding
Bcl7c	NM_009746	green4	0.721687581	0.838618985	protein_coding
Bub1b	NM_009773	green4	0.720768332	0.936395123	protein_coding
Pdia4	NM_009787	green4	0.669892138	0.864519051	protein_coding
Ccnd2	NM_009829	green4	0.845294371	0.939082376	protein_coding
Ccnt1	NM_009833	green4	0.695426202	0.900761619	protein_coding
Cct3	NM_009836	green4	0.767071694	0.935887132	protein_coding
Cdc25c	NM_009860	green4	0.502244139	0.804846567	protein_coding
Cdh11	NM_009866	green4	0.898165908	0.881473698	protein_coding
Cdh9	NM_009869	green4	0.864791256	0.853532197	protein_coding
Cdk4	NM_009870	green4	0.800453686	0.949220183	protein_coding
Cfh	NM_009888	green4	-0.669310126	-0.802279959	protein_coding
Clcn2	NM_009900	green4	0.678262929	0.837316181	protein_coding
Igf2bp1	NM_009951	green4	0.818794333	0.949464981	protein_coding
Dpysl2	NM_009955	green4	0.700621164	0.967507755	protein_coding
Cry2	NM_009963	green4	0.565576553	0.905476052	protein_coding
Csnk2a2	NM_009974	green4	0.66407557	0.918504635	protein_coding
Des	NM_010043	green4	0.818908398	0.92925963	protein_coding
Dmwd	NM_010058	green4	0.652513497	0.900564829	protein_coding
Dnase1	NM_010061	green4	0.510788987	0.806078994	protein_coding
Efna3	NM_010108	green4	0.738218408	0.851664442	protein_coding
Efs	NM_010112	green4	0.617049221	0.839886899	protein_coding
Eif3a	NM_010123	green4	0.769415251	0.941217236	protein_coding
Eif4ebp2	NM_010124	green4	0.600299957	0.838373859	protein_coding
Nr2f1	NM_010151	green4	0.751301729	0.939535284	protein_coding
Fbn2	NM_010181	green4	0.831795745	0.963482809	protein_coding
Fem1b	NM_010193	green4	0.391981593	0.849539818	protein_coding
Fkbp4	NM_010219	green4	0.786287692	0.910075916	protein_coding
Fkbp5	NM_010220	green4	0.565612674	0.874332209	protein_coding

Fv1	NM_010244	green4	0.495622813	0.829793232	protein_coding
Gart	NM_010256	green4	0.70324558	0.899546896	protein_coding
Gdf11	NM_010272	green4	0.639152592	0.86304205	protein_coding
Gdi1	NM_010273	green4	0.612002896	0.86277471	protein_coding
Gfra3	NM_010280	green4	0.647458172	0.905440322	protein_coding
Gja1	NM_010288	green4	0.751568853	0.956158165	protein_coding
Gtf2h4	NM_010364	green4	0.746996919	0.930437776	protein_coding
Hdac3	NM_010411	green4	0.726143795	0.966380952	protein_coding
Hira	NM_010435	green4	0.654446061	0.909126957	protein_coding
Hmga2	NM_010441	green4	0.869138689	0.920322561	protein_coding
Hoxa2	NM_010451	green4	0.630950207	0.859717281	protein_coding
Hoxa5	NM_010453	green4	0.66286604	0.844271113	protein_coding
Hoxa6	NM_010454	green4	0.79160664	0.883739305	protein_coding
Hoxc10	NM_010462	green4	0.769616916	0.828549754	protein_coding
Hoxd1	NM_010467	green4	0.806684158	0.819045396	protein_coding
Hspd1	NM_010477	green4	0.695839705	0.937000143	protein_coding
Elavl1	NM_010485	green4	0.684910995	0.951511917	protein_coding
Khsrp	NM_010613	green4	0.71304727	0.934450759	protein_coding
Kif13a	NM_010617	green4	0.77973098	0.923896987	protein_coding
Klf12	NM_010636	green4	0.761288756	0.971083677	protein_coding
Kpna2	NM_010655	green4	0.664930874	0.886411446	protein_coding
Lat	NM_010689	green4	0.819244219	0.847836892	protein_coding
Lmnb1	NM_010721	green4	0.803141349	0.909512455	protein_coding
Lmnb2	NM_010722	green4	0.78444302	0.853676726	protein_coding
Mad11l	NM_010752	green4	0.661089962	0.958332782	protein_coding
Mapkapk5	NM_010765	green4	0.871988811	0.917647358	protein_coding
Maz	NM_010772	green4	0.603723042	0.863667223	protein_coding
Mbd4	NM_010774	green4	0.72801968	0.875714667	protein_coding
Melk	NM_010790	green4	0.595075147	0.890436155	protein_coding
Mettl1	NM_010792	green4	0.435596213	0.85106973	protein_coding
Marcksl1	NM_010807	green4	0.791491822	0.93116194	protein_coding
Mog	NM_010814	green4	0.695940296	0.848488132	protein_coding
Psmc7	NM_010817	green4	0.85822716	0.957971345	protein_coding
Msh6	NM_010830	green4	0.79594082	0.945991448	protein_coding
Myo5a	NM_010864	green4	0.592857823	0.813602739	protein_coding
Ncl	NM_010880	green4	0.811121201	0.892950218	protein_coding

Ndn	NM_010882	green4	0.707709269	0.808543444	protein_coding
Nedd4	NM_010890	green4	0.506912378	0.834034425	protein_coding
Nek2	NM_010892	green4	0.591849856	0.87850807	protein_coding
Nfatc2ip	NM_010900	green4	0.464885906	0.878066179	protein_coding
Nfatc3	NM_010901	green4	0.486025219	0.809789339	protein_coding
Nktr	NM_010918	green4	0.761617446	0.902846729	protein_coding
Rrp1	NM_010925	green4	0.751019905	0.939314557	protein_coding
Emc8	NM_010926	green4	0.64885447	0.868876863	protein_coding
Nras	NM_010937	green4	0.712415503	0.956786562	protein_coding
Nsg1	NM_010942	green4	0.800183319	0.881712123	protein_coding
Nudc	NM_010948	green4	0.813992915	0.9050211	protein_coding
Orc1	NM_011015	green4	0.736054975	0.849593569	protein_coding
Pak1	NM_011035	green4	0.67709288	0.876986628	protein_coding
Pdcd11	NM_011053	green4	0.707281687	0.988103331	protein_coding
Pde3b	NM_011055	green4	0.537463481	0.807592397	protein_coding
Pfdn2	NM_011070	green4	0.930235019	0.867870731	protein_coding
Prkce	NM_011104	green4	0.779688362	0.890846735	protein_coding
Pa2g4	NM_011119	green4	0.71755316	0.948455117	protein_coding
Plk1	NM_011121	green4	0.607849133	0.864679797	protein_coding
Pold1	NM_011131	green4	0.730591775	0.881670837	protein_coding
Pole	NM_011132	green4	0.642118583	0.928656559	protein_coding
Pou3f1	NM_011141	green4	0.854310164	0.885400974	protein_coding
Ppp5c	NM_011155	green4	0.681105569	0.852008804	protein_coding
Prep	NM_011156	green4	0.670384049	0.928077581	protein_coding
Psmc2	NM_011188	green4	0.749039014	0.973011888	protein_coding
Psme3	NM_011192	green4	0.383357086	0.817705798	protein_coding
Ptpn12	NM_011203	green4	0.643877303	0.881201916	protein_coding
Ptprd	NM_011211	green4	0.801497082	0.917476234	protein_coding
Rad51	NM_011234	green4	0.62539055	0.919262619	protein_coding
Rad9a	NM_011237	green4	0.690837194	0.959380175	protein_coding
Rbbp6	NM_011247	green4	0.754862898	0.833794985	protein_coding
Rfc1	NM_011258	green4	0.700540203	0.932470472	protein_coding
Rest	NM_011263	green4	0.803661715	0.911306933	protein_coding
Rpa2	NM_011284	green4	0.626000913	0.844543887	protein_coding
Rpl10a	NM_011287	green4	0.782707404	0.811521986	protein_coding
Mrpl23	NM_011288	green4	0.730205919	0.80716768	protein_coding

Rps6ka2	NM_011299	green4	0.740952302	0.894669148	protein_coding
Ruvbl2	NM_011304	green4	0.695323066	0.876125387	protein_coding
Khdrbs1	NM_011317	green4	0.703720044	0.881167986	protein_coding
Srsf2	NM_011358	green4	0.658270088	0.911921019	protein_coding
Six4	NM_011382	green4	0.763156657	0.896483018	protein_coding
Six5	NM_011383	green4	0.707625939	0.85004203	protein_coding
Slit3	NM_011412	green4	0.492084409	0.849294793	protein_coding
Snai2	NM_011415	green4	0.513579716	0.802972198	protein_coding
Smarca2	NM_011416	green4	0.798305024	0.83188322	protein_coding
Sncg	NM_011430	green4	0.60054628	0.863929946	protein_coding
Sod1	NM_011434	green4	0.707771182	0.815768536	protein_coding
Sox8	NM_011447	green4	0.767170164	0.88327014	protein_coding
Sox9	NM_011448	green4	0.791170538	0.965023743	protein_coding
Strap	NM_011499	green4	0.693451314	0.823412825	protein_coding
Stxbp4	NM_011505	green4	0.6736691	0.807089356	protein_coding
Zeb1	NM_011546	green4	0.832531706	0.805207292	protein_coding
Cirh1a	NM_011574	green4	0.573700816	0.909351992	protein_coding
Trim28	NM_011588	green4	0.69898591	0.878483377	protein_coding
Tbpl1	NM_011603	green4	0.663641596	0.914239323	protein_coding
Tnc	NM_011607	green4	-0.579932744	-0.891075908	protein_coding
Tsn	NM_011650	green4	0.618990732	0.941718855	protein_coding
Tuba1a	NM_011653	green4	0.806934534	0.882175861	protein_coding
Tubb5	NM_011655	green4	0.741921789	0.952671383	protein_coding
Twist1	NM_011658	green4	0.885815264	0.914678621	protein_coding
Ugcg	NM_011673	green4	0.562035821	0.831843537	protein_coding
Vars	NM_011690	green4	0.564882688	0.837079747	protein_coding
Baz1b	NM_011714	green4	0.798705542	0.960150059	protein_coding
Wiz	NM_011717	green4	0.858272897	0.846373988	protein_coding
Xdh	NM_011723	green4	-0.713213306	-0.835817346	protein_coding
Ercc5	NM_011729	green4	0.594793693	0.961566505	protein_coding
Ybx1	NM_011732	green4	0.651576	0.934572722	protein_coding
Ybx3	NM_011733	green4	0.762424105	0.812665158	protein_coding
Ywhah	NM_011738	green4	0.544968844	0.811973047	protein_coding
Zpr1	NM_011752	green4	0.740687577	0.99177111	protein_coding
Zfp9	NM_011763	green4	0.607240188	0.826796534	protein_coding
Zfp90	NM_011764	green4	0.680802734	0.83401437	protein_coding

Ikzf4	NM_011772	green4	0.645630231	0.886481776	protein_coding
Adam23	NM_011780	green4	0.542501588	0.905729104	protein_coding
Akt3	NM_011785	green4	0.592836917	0.874694705	protein_coding
Car14	NM_011797	green4	0.838073854	0.933420873	protein_coding
Fxr2	NM_011814	green4	0.824609333	0.917640608	protein_coding
Impdh2	NM_011830	green4	0.615465964	0.854686803	protein_coding
Mta2	NM_011842	green4	0.664412912	0.859954877	protein_coding
Osr1	NM_011859	green4	0.572079686	0.804243069	protein_coding
Pcbp1	NM_011865	green4	0.775556187	0.962049697	protein_coding
Med24	NM_011869	green4	0.594952744	0.880962154	protein_coding
Psmc4	NM_011874	green4	0.790356503	0.963920331	protein_coding
Twf2	NM_011876	green4	0.636057561	0.880981898	protein_coding
44077	NM_011889	green4	0.749170954	0.92827109	protein_coding
Nelfa	NM_011914	green4	0.748078165	0.969835431	protein_coding
Map2k6	NM_011943	green4	0.852609552	0.963514171	protein_coding
Nubp1	NM_011955	green4	0.715499291	0.944410025	protein_coding
Parg	NM_011960	green4	0.59495239	0.861669738	protein_coding
Psmb2	NM_011970	green4	0.614422544	0.829133856	protein_coding
Dpysl4	NM_011993	green4	0.795326938	0.897024425	protein_coding
Cops6	NM_012002	green4	0.448676068	0.814868388	protein_coding
Eif2s3x	NM_012010	green4	0.62984841	0.818728418	protein_coding
Exo1	NM_012012	green4	0.668145165	0.925555765	protein_coding
Zfp346	NM_012017	green4	0.814730533	0.982982187	protein_coding
St6galnac5	NM_012028	green4	0.852826838	0.94852146	protein_coding
Zw10	NM_012039	green4	0.661441814	0.958009315	protein_coding
Brd7	NM_012047	green4	0.58778434	0.871546506	protein_coding
Actn3	NM_013456	green4	0.864690123	0.850190072	protein_coding
Bop1	NM_013481	green4	0.757971493	0.944668388	protein_coding
Clcn1	NM_013491	green4	0.885634528	0.841296261	protein_coding
Hapln1	NM_013500	green4	0.722455572	0.908497862	protein_coding
Foxc2	NM_013519	green4	0.642992922	0.807719325	protein_coding
Frg1	NM_013522	green4	0.445465848	0.835091289	protein_coding
Gfpt2	NM_013529	green4	0.806157937	0.913998604	protein_coding
P3h3	NM_013534	green4	0.583790015	0.801385882	protein_coding
Hoxc4	NM_013553	green4	0.789908153	0.825729546	protein_coding
Hspa1l	NM_013558	green4	0.790329458	0.826620678	protein_coding

Ifrd1	NM_013562	green4	0.743641055	0.824289015	protein_coding
Kcna6	NM_013568	green4	0.744059902	0.934364942	protein_coding
Odc1	NM_013614	green4	0.545771546	0.857648702	protein_coding
Pafah1b1	NM_013625	green4	0.763201014	0.864706092	protein_coding
Ppp1cc	NM_013636	green4	0.777993999	0.817474457	protein_coding
Sf3a2	NM_013651	green4	0.697239371	0.940901402	protein_coding
Kdm5c	NM_013668	green4	0.622880277	0.881988461	protein_coding
Supt5	NM_013676	green4	0.767207962	0.947452472	protein_coding
G3bp1	NM_013716	green4	0.804234638	0.957587063	protein_coding
Rpl7a	NM_013721	green4	0.751072164	0.84915922	protein_coding
Chaf1a	NM_013733	green4	0.724595163	0.948401071	protein_coding
Tceb3	NM_013736	green4	0.504758536	0.824514111	protein_coding
Ptdss2	NM_013782	green4	0.587066534	0.80980056	protein_coding
Peg12	NM_013788	green4	0.827664599	0.940230573	protein_coding
Abcc5	NM_013790	green4	0.64210724	0.805464525	protein_coding
Cdk2ap1	NM_013812	green4	0.693263656	0.942835705	protein_coding
Baz1a	NM_013815	green4	0.659174756	0.857942465	protein_coding
Gtpbp1	NM_013818	green4	0.603570309	0.907741716	protein_coding
Hk2	NM_013820	green4	0.841017113	0.937549414	protein_coding
Ly75	NM_013825	green4	0.630333064	0.941724549	protein_coding
Ror2	NM_013846	green4	0.685978539	0.875625217	protein_coding
Abcf3	NM_013852	green4	0.704124489	0.893346787	protein_coding
Abcf1	NM_013854	green4	0.676880663	0.899911873	protein_coding
Zfp385a	NM_013866	green4	0.868954508	0.915741481	protein_coding
Dpf1	NM_013874	green4	0.840664112	0.95128488	protein_coding
Usp21	NM_013919	green4	0.75287057	0.900312065	protein_coding
Adat1	NM_013925	green4	0.814781048	0.926234149	protein_coding
Axin2	NM_015732	green4	0.562862187	0.860446641	protein_coding
Ddb1	NM_015735	green4	0.649706098	0.900358234	protein_coding
Hunk	NM_015755	green4	0.804154832	0.903577924	protein_coding
Hspa14	NM_015765	green4	0.541690716	0.86648502	protein_coding
Fbxo18	NM_015792	green4	0.659029044	0.800387699	protein_coding
Mapk6	NM_015806	green4	0.777931211	0.920831884	protein_coding
Clasrp	NM_016680	green4	0.647757353	0.828980735	protein_coding
Uba2	NM_016682	green4	0.589252851	0.918865727	protein_coding
Zscan12	NM_016684	green4	0.719985999	0.887012805	protein_coding

Pdcd7	NM_016688	green4	0.712199286	0.906937768	protein_coding
Incenp	NM_016692	green4	0.634096305	0.916816631	protein_coding
Gpc3	NM_016697	green4	0.887558386	0.842191355	protein_coding
Exosc10	NM_016699	green4	0.729045156	0.982944286	protein_coding
Nes	NM_016701	green4	0.904394429	0.824695483	protein_coding
Coil	NM_016706	green4	0.90153233	0.930928763	protein_coding
Nup50	NM_016714	green4	0.799076197	0.943457355	protein_coding
Stip1	NM_016737	green4	0.688282928	0.882273894	protein_coding
Cdc37	NM_016742	green4	0.821534811	0.933469208	protein_coding
Ctps	NM_016748	green4	0.782234339	0.928507308	protein_coding
Slc35b1	NM_016752	green4	0.742651992	0.944430958	protein_coding
Cdk2	NM_016756	green4	0.855975373	0.913590241	protein_coding
Mybbp1a	NM_016776	green4	0.779658738	0.961823408	protein_coding
Srpk1	NM_016795	green4	0.714659724	0.967600913	protein_coding
Stx1a	NM_016801	green4	0.595901689	0.840866529	protein_coding
Hnrnpu	NM_016805	green4	0.739801769	0.902750945	protein_coding
Cpsf2	NM_016856	green4	0.619785101	0.946108311	protein_coding
Bysl	NM_016859	green4	0.656476481	0.926789907	protein_coding
Actr1a	NM_016860	green4	0.47733737	0.820534157	protein_coding
Elf3g	NM_016876	green4	0.82295085	0.954806818	protein_coding
Sart1	NM_016882	green4	0.798198852	0.970859778	protein_coding
Cks1b	NM_016904	green4	0.629715962	0.849438112	protein_coding
Tsnax	NM_016909	green4	0.819521622	0.963072677	protein_coding
Ppm1d	NM_016910	green4	0.709719383	0.912226344	protein_coding
Blcap	NM_016916	green4	0.605485551	0.891757718	protein_coding
Fanca	NM_016925	green4	0.298111605	0.801738937	protein_coding
Sart3	NM_016926	green4	0.800463949	0.924577499	protein_coding
Dbp	NM_016974	green4	0.790492278	0.811282626	protein_coding
Clpp	NM_017393	green4	0.665509628	0.875864087	protein_coding
Rfx5	NM_017395	green4	0.54815353	0.946167723	protein_coding
Spag5	NM_017407	green4	0.630819758	0.825236499	protein_coding
Pbx2	NM_017463	green4	0.79400251	0.950267956	protein_coding
Gpat4	NM_018743	green4	0.688798955	0.897374821	protein_coding
Elf3d	NM_018749	green4	0.64045384	0.850809145	protein_coding
Nme6	NM_018757	green4	0.667294465	0.860952002	protein_coding
Chst2	NM_018763	green4	0.613840279	0.826954202	protein_coding

Tfip11	NM_018783	green4	0.665606453	0.875710668	protein_coding
Prpf40b	NM_018786	green4	0.672044588	0.876723577	protein_coding
Eef1b2	NM_018796	green4	0.690606752	0.857905428	protein_coding
Ubqln2	NM_018798	green4	0.764519748	0.95466029	protein_coding
Syt11	NM_018804	green4	0.754373528	0.935924626	protein_coding
Plagl2	NM_018807	green4	0.728562817	0.985641967	protein_coding
Cpsf3	NM_018813	green4	0.527526867	0.835677659	protein_coding
Smarcal1	NM_018817	green4	0.66814364	0.830377388	protein_coding
Socs6	NM_018821	green4	0.576507463	0.855787009	protein_coding
Fnbp4	NM_018828	green4	0.752927743	0.940509578	protein_coding
Gas8	NM_018855	green4	0.792587733	0.965065666	protein_coding
Ywhag	NM_018871	green4	0.742001767	0.933707002	protein_coding
Paxip1	NM_018878	green4	0.613634856	0.968116888	protein_coding
Camkk1	NM_018883	green4	0.67304369	0.85507171	protein_coding
Pdzn3	NM_018884	green4	0.820627936	0.959410052	protein_coding
Exosc9	NM_019393	green4	0.421615496	0.811708172	protein_coding
Pabpn1	NM_019402	green4	0.77655094	0.91948029	protein_coding
Pdlim4	NM_019417	green4	0.722311733	0.818870676	protein_coding
Atf7ip	NM_019426	green4	0.611766092	0.869958153	protein_coding
Mcm3ap	NM_019434	green4	0.76665524	0.951843379	protein_coding
Fmn2	NM_019445	green4	0.663497223	0.881647658	protein_coding
Paf1	NM_019458	green4	0.735391512	0.918647482	protein_coding
Usp27x	NM_019461	green4	0.381114406	0.835044483	protein_coding
Hes6	NM_019479	green4	0.700280731	0.90028606	protein_coding
Panx1	NM_019482	green4	0.541788352	0.854204813	protein_coding
Psmg1	NM_019537	green4	0.571879887	0.859897748	protein_coding
Ddx21	NM_019553	green4	0.82412905	0.972406118	protein_coding
Fam60a	NM_019643	green4	0.807897724	0.881153006	protein_coding
Rpl21	NM_019647	green4	0.810065184	0.838984315	protein_coding
Gosr2	NM_019650	green4	0.497541465	0.827803977	protein_coding
Hsd17b12	NM_019657	green4	0.617009702	0.903681182	protein_coding
Ykt6	NM_019661	green4	0.590185808	0.896610025	protein_coding
Actl6a	NM_019673	green4	0.698325702	0.83032319	protein_coding
Ppp4c	NM_019674	green4	0.672279421	0.888557482	protein_coding
Ruvbl1	NM_019685	green4	0.763009687	0.926433208	protein_coding
Arid3b	NM_019689	green4	0.821404907	0.935108829	protein_coding

Kcnd2	NM_019697	green4	0.780868453	0.854712712	protein_coding
Fads2	NM_019699	green4	0.612950535	0.919067298	protein_coding
Smc1a	NM_019710	green4	0.753108836	0.921202738	protein_coding
Rbx1	NM_019712	green4	0.618776358	0.872060177	protein_coding
Kcmf1	NM_019715	green4	0.661905303	0.825113158	protein_coding
Stub1	NM_019719	green4	0.675720897	0.832941284	protein_coding
Mettl3	NM_019721	green4	0.702659486	0.922417216	protein_coding
Gps2	NM_019726	green4	0.57198308	0.903944643	protein_coding
Apip	NM_019735	green4	0.478076393	0.831732041	protein_coding
Tusc2	NM_019742	green4	0.583210359	0.87028378	protein_coding
Rybp	NM_019743	green4	0.698786096	0.880804746	protein_coding
Htra2	NM_019752	green4	0.706542579	0.952950741	protein_coding
1110004F10Rik	NM_019772	green4	0.576368872	0.906553464	protein_coding
Akap8	NM_019774	green4	0.728986104	0.939244903	protein_coding
Bloc1s6	NM_019788	green4	0.660675771	0.859571355	protein_coding
Maged1	NM_019791	green4	0.763669684	0.904101848	protein_coding
Dnaja2	NM_019794	green4	0.681480547	0.858847117	protein_coding
Ube2g2	NM_019803	green4	0.700222205	0.882004636	protein_coding
Anapc7	NM_019805	green4	0.692633572	0.904962271	protein_coding
Aatf	NM_019816	green4	0.684049719	0.959537097	protein_coding
Copz1	NM_019817	green4	0.486307737	0.810131816	protein_coding
Gsk3b	NM_019827	green4	0.747466682	0.907632448	protein_coding
Fam69b	NM_019833	green4	0.771999928	0.810447734	protein_coding
Rbm14	NM_019869	green4	0.737705696	0.96752841	protein_coding
Dnajb5	NM_019874	green4	0.900315717	0.925186319	protein_coding
Ube2d2a	NM_019912	green4	0.634386438	0.901965582	protein_coding
Txn2	NM_019913	green4	0.623456702	0.813261336	protein_coding
Arih1	NM_019927	green4	0.580387161	0.811167407	protein_coding
Brinp1	NM_019967	green4	0.734541635	0.929576524	protein_coding
Arl10	NM_019968	green4	0.645208693	0.803482406	protein_coding
Alg2	NM_019998	green4	0.692117623	0.889084804	protein_coding
Rfc2	NM_020022	green4	0.739696966	0.927262954	protein_coding
Lpar2	NM_020028	green4	0.707453186	0.808573955	protein_coding
Dhodh	NM_020046	green4	0.63967854	0.836675728	protein_coding
Med20	NM_020048	green4	0.569034853	0.80548452	protein_coding
Pdpx	NM_020271	green4	0.637590533	0.847917636	protein_coding

Slc12a5	NM_020333	green4	0.918512242	0.907313897	protein_coding
Sap30bp	NM_020483	green4	0.723546769	0.935980013	protein_coding
Sssca1	NM_020491	green4	0.729288747	0.907125922	protein_coding
Srf	NM_020493	green4	0.692002134	0.808899167	protein_coding
Vav3	NM_020505	green4	0.761701616	0.976406755	protein_coding
Fzd2	NM_020510	green4	0.770061629	0.816796509	protein_coding
Park7	NM_020569	green4	0.499444266	0.839619654	protein_coding
Nelfcd	NM_020580	green4	0.738500657	0.951289049	protein_coding
Srsf4	NM_020587	green4	0.696738355	0.864922333	protein_coding
Tbl1x	NM_020601	green4	0.682615755	0.921354437	protein_coding
Wdr46	NM_020603	green4	0.769208832	0.965952357	protein_coding
Cramp1l	NM_020608	green4	0.68957902	0.955518733	protein_coding
Smarce1	NM_020618	green4	0.783709354	0.922028927	protein_coding
Plcg1	NM_021280	green4	0.745462322	0.943381464	protein_coding
Noc2l	NM_021303	green4	0.674614575	0.912621819	protein_coding
Noc3l	NM_021315	green4	0.68388297	0.816729846	protein_coding
Wdr4	NM_021322	green4	0.683483935	0.892618267	protein_coding
Snrpa1	NM_021336	green4	0.653835919	0.875661177	protein_coding
Cnot9	NM_021383	green4	0.567537321	0.943769366	protein_coding
Ap4m1	NM_021392	green4	0.876402792	0.88832704	protein_coding
Hyou1	NM_021395	green4	0.683433842	0.836519634	protein_coding
Rnf8	NM_021419	green4	0.786740896	0.986494426	protein_coding
Stk4	NM_021420	green4	0.692426322	0.927244477	protein_coding
Hs1bp3	NM_021429	green4	0.697530014	0.851292777	protein_coding
Rilpl1	NM_021430	green4	0.715772485	0.866909388	protein_coding
Tmeff1	NM_021436	green4	0.762806608	0.895577043	protein_coding
Taf1c	NM_021441	green4	0.702932493	0.895097488	protein_coding
Elp2	NM_021448	green4	0.728190706	0.85120605	protein_coding
Kcnmb4	NM_021452	green4	0.78972158	0.85251778	protein_coding
Prps1	NM_021463	green4	0.695778026	0.872868542	protein_coding
Pole3	NM_021498	green4	0.678999816	0.863149517	protein_coding
Pias4	NM_021501	green4	0.643512349	0.812391636	protein_coding
Rrs1	NM_021511	green4	0.66922163	0.875828738	protein_coding
Nup160	NM_021512	green4	0.573201492	0.838459244	protein_coding
Thap11	NM_021513	green4	0.638542178	0.801293631	protein_coding
Med12	NM_021521	green4	0.374226398	0.846506449	protein_coding

Huwe1	NM_021523	green4	0.563706878	0.879572727	protein_coding
Rcl1	NM_021525	green4	0.698875682	0.982732308	protein_coding
Slc4a8	NM_021530	green4	0.499492951	0.818481843	protein_coding
Mrps30	NM_021556	green4	0.545395038	0.802572368	protein_coding
Pcbp4	NM_021567	green4	0.777760398	0.880780256	protein_coding
Pcbp3	NM_021568	green4	0.392010954	0.825628635	protein_coding
Myg1	NM_021713	green4	0.755973501	0.963788609	protein_coding
Wbp11	NM_021714	green4	0.609258625	0.917701535	protein_coding
Trappc4	NM_021789	green4	0.605933223	0.870921544	protein_coding
Tsg101	NM_021884	green4	0.693243121	0.988155399	protein_coding
Qtrt1	NM_021888	green4	0.750583709	0.89990821	protein_coding
Taf8	NM_022015	green4	0.797106966	0.866892624	protein_coding
Ube4b	NM_022022	green4	0.653417132	0.92092687	protein_coding
Clstn2	NM_022319	green4	0.926754741	0.886104752	protein_coding
Mllt1	NM_022328	green4	0.640286232	0.863585747	protein_coding
Fndc4	NM_022424	green4	0.569868182	0.839594801	protein_coding
Thop1	NM_022653	green4	0.698796767	0.865588451	protein_coding
Pidd1	NM_022654	green4	0.674738908	0.923009893	protein_coding
Nisch	NM_022656	green4	0.610902872	0.858288999	protein_coding
Pes1	NM_022889	green4	0.770460762	0.987251271	protein_coding
Rtn4r	NM_022982	green4	0.892270546	0.92029884	protein_coding
Nif3l1	NM_022988	green4	0.804299202	0.92353126	protein_coding
Dpysl5	NM_023047	green4	0.593764849	0.834701752	protein_coding
Asb4	NM_023048	green4	0.824127922	0.955407246	protein_coding
Utp3	NM_023054	green4	0.813531184	0.851620386	protein_coding
Dmap1	NM_023178	green4	0.745589346	0.979131903	protein_coding
Sbds	NM_023248	green4	0.529547815	0.846165789	protein_coding
Jam3	NM_023277	green4	0.893477283	0.835084029	protein_coding
Plekho1	NM_023320	green4	0.772082322	0.838093151	protein_coding
Zkscan14	NM_023322	green4	0.552557848	0.811665658	protein_coding
Peli1	NM_023324	green4	0.645251826	0.85603429	protein_coding
Ilkap	NM_023343	green4	0.786669941	0.944403727	protein_coding
Pin1	NM_023371	green4	0.738187297	0.867163024	protein_coding
Mesdc2	NM_023403	green4	0.702101648	0.876551971	protein_coding
Mum1	NM_023431	green4	0.683336501	0.918274513	protein_coding
Ipo5	NM_023579	green4	0.772377514	0.971811167	protein_coding

Isyna1	NM_023627	green4	0.654310349	0.886202762	protein_coding
Kdelc1	NM_023645	green4	0.733723719	0.935330903	protein_coding
Igf2bp3	NM_023670	green4	0.774612046	0.980735064	protein_coding
Clns1a	NM_023671	green4	0.820535789	0.902108695	protein_coding
Ccdc86	NM_023731	green4	0.725877604	0.902398159	protein_coding
Zdhhc16	NM_023740	green4	0.511132433	0.827323745	protein_coding
Mageh1	NM_023788	green4	0.758435608	0.834562598	protein_coding
Etv5	NM_023794	green4	0.774058845	0.855098786	protein_coding
Tbx18	NM_023814	green4	0.953182138	0.905337759	protein_coding
Trp53rkb	NM_023815	green4	0.789130578	0.89672997	protein_coding
Arl2bp	NM_024191	green4	0.724427685	0.895566128	protein_coding
Cstf1	NM_024199	green4	0.548669648	0.857680886	protein_coding
Sec13	NM_024206	green4	0.610669205	0.842056376	protein_coding
2310033P09Rik	NM_024210	green4	0.858835719	0.921745044	protein_coding
Gpn3	NM_024216	green4	0.483354969	0.889713623	protein_coding
Cmtm3	NM_024217	green4	0.82763447	0.936747291	protein_coding
Kif24	NM_024241	green4	0.604681526	0.929058472	protein_coding
Kif23	NM_024245	green4	0.516899259	0.806975315	protein_coding
Phf10	NM_024250	green4	0.499017972	0.847628224	protein_coding
Smg8	NM_024262	green4	0.722972148	0.963835425	protein_coding
Ipo4	NM_024267	green4	0.642313123	0.907552215	protein_coding
Stard3nl	NM_024270	green4	0.696821411	0.903223374	protein_coding
Rrbp1	NM_024281	green4	0.482234742	0.805698267	protein_coding
1500015O10Rik	NM_024283	green4	-0.724627191	-0.893118053	protein_coding
Mtap	NM_024433	green4	0.775038204	0.987241998	protein_coding
Derl3	NM_024440	green4	0.690984942	0.973053628	protein_coding
Zfp319	NM_024467	green4	0.602063592	0.811831196	protein_coding
Col26a1	NM_024474	green4	0.814930961	0.884965289	protein_coding
Sgta	NM_024499	green4	0.704129566	0.858888079	protein_coding
Atp6v0e	NM_025272	green4	-0.705780406	-0.925994491	protein_coding
Lyar	NM_025281	green4	0.733472126	0.905268459	protein_coding
Natd1	NM_025294	green4	0.660905317	0.909529397	protein_coding
Mrpl17	NM_025301	green4	0.290215217	0.805138036	protein_coding
Ftsj3	NM_025310	green4	0.780379488	0.833457567	protein_coding
Txndc12	NM_025334	green4	0.834885682	0.87801078	protein_coding
Wbscr22	NM_025375	green4	0.791058967	0.875464641	protein_coding

Tmem57	NM_025382	green4	0.712711696	0.961909409	protein_coding
Bccip	NM_025392	green4	0.72999963	0.866458815	protein_coding
Rpl7l1	NM_025433	green4	0.637800737	0.860753604	protein_coding
Ing5	NM_025454	green4	0.746600022	0.95756198	protein_coding
Ece2	NM_025462	green4	0.647239926	0.847119888	protein_coding
Tma16	NM_025465	green4	0.651257073	0.836906694	protein_coding
Rtca	NM_025517	green4	0.830459098	0.96030031	protein_coding
Rnf113a2	NM_025525	green4	0.576027623	0.894029706	protein_coding
Rtfdc1	NM_025542	green4	0.468867883	0.805902259	protein_coding
Mrps15	NM_025544	green4	0.391512838	0.872429557	protein_coding
Tbcb	NM_025548	green4	0.831610288	0.940534027	protein_coding
Polr2e	NM_025554	green4	0.712632092	0.913551452	protein_coding
Zmat2	NM_025594	green4	0.761052949	0.803939517	protein_coding
Ccdc59	NM_025602	green4	0.770486227	0.920788358	protein_coding
Lamtor1	NM_025605	green4	0.736912156	0.917039558	protein_coding
Cul7	NM_025611	green4	0.619482878	0.860440764	protein_coding
Eid1	NM_025613	green4	0.806020897	0.938127246	protein_coding
2810004N23Rik	NM_025615	green4	0.655445665	0.810316951	protein_coding
Timm50	NM_025616	green4	0.657004612	0.891403491	protein_coding
Tceanc2	NM_025617	green4	0.524795725	0.857502938	protein_coding
Aggf1	NM_025630	green4	0.67650881	0.859673831	protein_coding
Snrnp40	NM_025645	green4	0.798643178	0.974258429	protein_coding
Ormdl3	NM_025661	green4	0.716238531	0.831195928	protein_coding
Ubr7	NM_025666	green4	0.793150043	0.966694514	protein_coding
Ctnnb1	NM_025680	green4	0.73098412	0.93468263	protein_coding
Lix1	NM_025681	green4	0.853033322	0.924229428	protein_coding
Pspc1	NM_025682	green4	0.784109564	0.912285565	protein_coding
Uba5	NM_025692	green4	0.742800105	0.867695403	protein_coding
Oser1	NM_025699	green4	0.65633198	0.919516138	protein_coding
Tmem186	NM_025708	green4	0.61276809	0.922092316	protein_coding
Gapvd1	NM_025709	green4	0.616789482	0.928530604	protein_coding
Rbm4b	NM_025717	green4	0.820684965	0.93712688	protein_coding
Erich2	NM_025744	green4	-0.744425646	-0.809427412	protein_coding
Adat2	NM_025748	green4	0.669812061	0.847962787	protein_coding
Tmem239	NM_025753	green4	0.875324446	0.831188021	protein_coding
Ncbp3	NM_025818	green4	0.822043055	0.935035973	protein_coding

Rsrc1	NM_025822	green4	0.673726865	0.841061127	protein_coding
Appbp2	NM_025825	green4	0.652958869	0.907329049	protein_coding
Bzw2	NM_025840	green4	0.804484962	0.948536548	protein_coding
Prpf38b	NM_025845	green4	0.718252412	0.918069054	protein_coding
Rexo1	NM_025852	green4	0.554981743	0.83309254	protein_coding
Ddx18	NM_025860	green4	0.734990623	0.932567864	protein_coding
Cdca7	NM_025866	green4	0.709762795	0.905621544	protein_coding
Golt1b	NM_025872	green4	0.689100045	0.899329191	protein_coding
Trit1	NM_025873	green4	0.601891602	0.87425273	protein_coding
2410002F23Rik	NM_025880	green4	0.747096453	0.947654539	protein_coding
Luc7l	NM_025881	green4	0.710940608	0.950752509	protein_coding
Med19	NM_025885	green4	0.604567468	0.806008828	protein_coding
Kctd20	NM_025888	green4	0.653451913	0.957428031	protein_coding
Smarcd3	NM_025891	green4	0.598542599	0.866369747	protein_coding
Psmc12	NM_025894	green4	0.537691122	0.852966327	protein_coding
Mettl6	NM_025907	green4	0.664135159	0.837280136	protein_coding
Upf3a	NM_025924	green4	0.642487303	0.808607306	protein_coding
Dzip1	NM_025943	green4	0.841713521	0.919486072	protein_coding
Lsm14a	NM_025948	green4	0.702458335	0.880593646	protein_coding
Cand2	NM_025958	green4	0.79023667	0.961763606	protein_coding
Ube2g1	NM_025985	green4	0.667306469	0.8002139	protein_coding
Ndufa6	NM_025987	green4	-0.664368731	-0.895287373	protein_coding
Mis12	NM_025993	green4	0.520608659	0.916002541	protein_coding
Nkain1	NM_025998	green4	0.803584049	0.935376563	protein_coding
Psmc9	NM_026000	green4	0.682339139	0.862114751	protein_coding
Eef1g	NM_026007	green4	0.709384302	0.823779765	protein_coding
Zmynd19	NM_026021	green4	0.638718381	0.850813255	protein_coding
Zcrb1	NM_026025	green4	0.70861428	0.881833568	protein_coding
Armc10	NM_026034	green4	0.376371536	0.819098307	protein_coding
Med18	NM_026039	green4	0.562623791	0.889661291	protein_coding
Med29	NM_026042	green4	0.514660485	0.810447684	protein_coding
Dph7	NM_026044	green4	0.443218836	0.807364042	protein_coding
Rnf219	NM_026047	green4	0.749256897	0.904718803	protein_coding
Ikbkap	NM_026079	green4	0.851603238	0.95896535	protein_coding
Zc3h13	NM_026083	green4	0.755171345	0.928133253	protein_coding
Med4	NM_026119	green4	0.703512194	0.872372112	protein_coding

Xab2	NM_026156	green4	0.678633317	0.856666505	protein_coding
Nvl	NM_026171	green4	0.630208683	0.93734438	protein_coding
Sf3a1	NM_026175	green4	0.724603517	0.948467536	protein_coding
Eepd1	NM_026189	green4	0.600712652	0.82853506	protein_coding
Atic	NM_026195	green4	0.688184221	0.940144736	protein_coding
Mettl16	NM_026197	green4	0.789914435	0.933544913	protein_coding
Tmed9	NM_026211	green4	0.669109679	0.804206761	protein_coding
Gstcd	NM_026231	green4	0.469919705	0.87150161	protein_coding
Wdr48	NM_026236	green4	0.638756438	0.860794689	protein_coding
Gramd3	NM_026240	green4	0.723719911	0.877025306	protein_coding
Mrfap1	NM_026242	green4	0.802321298	0.953168845	protein_coding
Mrpl49	NM_026246	green4	0.569960204	0.826257047	protein_coding
Nob1	NM_026277	green4	0.80928379	0.951311905	protein_coding
Ift172	NM_026298	green4	0.658347355	0.80575939	protein_coding
Dctn4	NM_026302	green4	0.563822652	0.847729544	protein_coding
Alkbh8	NM_026303	green4	0.679986134	0.891641964	protein_coding
Hypk	NM_026318	green4	0.704503944	0.857177414	protein_coding
Pcnx4	NM_026327	green4	0.637931477	0.922983392	protein_coding
Ddx47	NM_026360	green4	0.771320285	0.963314457	protein_coding
Gpatch2	NM_026367	green4	0.645175116	0.887365601	protein_coding
Kat8	NM_026370	green4	0.555421216	0.855476612	protein_coding
Ilf2	NM_026374	green4	0.801425291	0.945259014	protein_coding
Brix1	NM_026396	green4	0.65572283	0.80136572	protein_coding
Wdr83	NM_026399	green4	0.560060007	0.91497692	protein_coding
Nop9	NM_026403	green4	0.671888568	0.927449212	protein_coding
Cdca5	NM_026410	green4	0.822725643	0.951781892	protein_coding
Ppa1	NM_026438	green4	0.647662154	0.920851576	protein_coding
Sumf2	NM_026445	green4	0.718315332	0.934315238	protein_coding
Mak16	NM_026453	green4	0.691379207	0.868120063	protein_coding
Fam32a	NM_026455	green4	0.678206808	0.856901733	protein_coding
Wdr55	NM_026464	green4	0.787640072	0.899439191	protein_coding
Mrpl19	NM_026490	green4	0.715755128	0.939666599	protein_coding
Srsf6	NM_026499	green4	0.888735446	0.933382035	protein_coding
Trap1	NM_026508	green4	0.554552103	0.807852071	protein_coding
Nutf2	NM_026532	green4	0.741279428	0.861793854	protein_coding
Ddx56	NM_026538	green4	0.525910568	0.903656451	protein_coding

Chd1l	NM_026539	green4	0.491025297	0.859339356	protein_coding
Psmc8	NM_026545	green4	0.557254995	0.830667683	protein_coding
Dcakd	NM_026551	green4	0.742706571	0.893651044	protein_coding
Ncbp2	NM_026554	green4	0.777259813	0.941108203	protein_coding
Cdca8	NM_026560	green4	0.785390886	0.948603482	protein_coding
Yeats4	NM_026570	green4	0.690025622	0.920398846	protein_coding
Ino80	NM_026574	green4	0.379784061	0.813406633	protein_coding
Gar1	NM_026578	green4	0.631608716	0.943572254	protein_coding
D10Wsu102e	NM_026579	green4	0.683727453	0.977343419	protein_coding
Fam212a	NM_026597	green4	0.609567447	0.83664147	protein_coding
Bcas2	NM_026602	green4	0.663746302	0.958625323	protein_coding
Denr	NM_026603	green4	0.640322071	0.942107449	protein_coding
Sympk	NM_026605	green4	0.501634725	0.819523619	protein_coding
Fam98b	NM_026620	green4	0.810413648	0.94470913	protein_coding
Agpat4	NM_026644	green4	0.659359214	0.934841287	protein_coding
Toe1	NM_026654	green4	0.774417576	0.924060006	protein_coding
2310057M21Rik	NM_026655	green4	0.659725985	0.942586215	protein_coding
Ccdc163	NM_026714	green4	0.573711528	0.822603106	protein_coding
Phf5a	NM_026737	green4	0.750311137	0.969975702	protein_coding
2310036O22Rik	NM_026760	green4	0.497278665	0.834137461	protein_coding
Smyd2	NM_026796	green4	0.710848503	0.933465849	protein_coding
Taf11	NM_026836	green4	0.841957471	0.912316447	protein_coding
Pdgfrl	NM_026840	green4	0.899369454	0.940545962	protein_coding
Ppil1	NM_026845	green4	0.503192355	0.826311708	protein_coding
Ubap2	NM_026872	green4	0.549840599	0.879782542	protein_coding
Tamm41	NM_026894	green4	0.699060584	0.949135599	protein_coding
Zfp580	NM_026900	green4	0.68948521	0.827137001	protein_coding
Triap1	NM_026933	green4	0.674860136	0.843535815	protein_coding
Zc3h15	NM_026934	green4	0.809720425	0.875523587	protein_coding
Lzic	NM_026963	green4	0.878129743	0.940027274	protein_coding
Ccdc124	NM_026964	green4	0.763853216	0.897494084	protein_coding
Kctd5	NM_027008	green4	0.657896373	0.919528933	protein_coding
Rfc3	NM_027009	green4	0.566828984	0.818619021	protein_coding
Slc38a4	NM_027052	green4	0.679860958	0.809550722	protein_coding
Spaca4	NM_027055	green4	0.753544237	0.875895474	protein_coding
Bap1	NM_027088	green4	0.587884345	0.805372675	protein_coding

Klhdc2	NM_027117	green4	0.765766177	0.920637727	protein_coding
Fastkd3	NM_027123	green4	0.541127384	0.833451264	protein_coding
Ovca2	NM_027136	green4	0.848183337	0.885976649	protein_coding
Khynyn	NM_027143	green4	0.725044113	0.942219124	protein_coding
Ddx51	NM_027156	green4	0.781743415	0.962965162	protein_coding
Trip13	NM_027182	green4	0.638440432	0.893195476	protein_coding
Rnaseh2a	NM_027187	green4	0.675272461	0.890588042	protein_coding
Ttl	NM_027192	green4	0.899726612	0.950512358	protein_coding
Leng1	NM_027203	green4	0.385732217	0.85992271	protein_coding
Polr2f	NM_027231	green4	0.829176286	0.934939079	protein_coding
Eif1ad	NM_027236	green4	0.599076321	0.900245782	protein_coding
Coa7	NM_027250	green4	0.824515331	0.959409313	protein_coding
Ints4	NM_027256	green4	0.598687079	0.857945353	protein_coding
Rnf157	NM_027258	green4	0.735861372	0.852732021	protein_coding
Apitd1	NM_027263	green4	0.606150088	0.87862962	protein_coding
Dnaaf2	NM_027269	green4	0.593304893	0.918789501	protein_coding
Cdc16	NM_027276	green4	0.662242286	0.922789386	protein_coding
Rpp25l	NM_027278	green4	0.710839154	0.948636171	protein_coding
Nt5dc2	NM_027289	green4	0.684877839	0.91717941	protein_coding
Prpf4	NM_027297	green4	0.724414978	0.969865092	protein_coding
Rnf168	NM_027355	green4	0.414723684	0.854882348	protein_coding
Psmc1	NM_027357	green4	0.715907582	0.990074569	protein_coding
Afap1	NM_027373	green4	0.700444633	0.869937297	protein_coding
Cactin	NM_027381	green4	0.648844484	0.932900541	protein_coding
Ube2cbp	NM_027394	green4	0.563599365	0.921120963	protein_coding
Basp1	NM_027395	green4	0.800703589	0.965269259	protein_coding
Ints2	NM_027421	green4	0.667967529	0.895532391	protein_coding
Polr3b	NM_027423	green4	0.562593997	0.872061458	protein_coding
Draxin	NM_027426	green4	0.700889512	0.803580521	protein_coding
Taf15	NM_027427	green4	0.632988882	0.914855618	protein_coding
Wdr77	NM_027432	green4	0.801268075	0.986152659	protein_coding
Bbx	NM_027444	green4	0.84813889	0.871106916	protein_coding
Lrfrn2	NM_027452	green4	0.564731284	0.830997781	protein_coding
Slc25a33	NM_027460	green4	0.792066225	0.919027823	protein_coding
Gfod2	NM_027469	green4	0.652279703	0.819921553	protein_coding
Sugp1	NM_027481	green4	0.670756409	0.899291244	protein_coding

Dcp2	NM_027490	green4	0.789981047	0.970979716	protein_coding
Zcchc8	NM_027494	green4	0.586411652	0.922470344	protein_coding
Nup205	NM_027513	green4	0.674476285	0.835694404	protein_coding
Naa40	NM_027643	green4	0.547273635	0.874337832	protein_coding
Ept1	NM_027652	green4	0.631917818	0.908498865	protein_coding
Pcgf6	NM_027654	green4	0.706481134	0.920149142	protein_coding
Rimklb	NM_027664	green4	0.756409566	0.899791618	protein_coding
Poc1b	NM_027740	green4	0.695762932	0.946024195	protein_coding
Taf3	NM_027748	green4	0.725272583	0.881459738	protein_coding
Rcbtb1	NM_027764	green4	0.721925893	0.976730378	protein_coding
Mcm9	NM_027830	green4	0.495953388	0.822715922	protein_coding
Stk11ip	NM_027886	green4	0.641079323	0.917167936	protein_coding
Lrwd1	NM_027891	green4	0.821034703	0.898662012	protein_coding
Gramd1a	NM_027898	green4	0.760524894	0.92036459	protein_coding
Gtf3c2	NM_027901	green4	0.754996768	0.983226487	protein_coding
Rnf180	NM_027934	green4	0.693339975	0.909901111	protein_coding
Cenpu	NM_027973	green4	0.657793475	0.824603229	protein_coding
Cand1	NM_027994	green4	0.70980802	0.946359978	protein_coding
Haus5	NM_027999	green4	0.729152775	0.918894285	protein_coding
Ist1	NM_028018	green4	0.623892824	0.873659949	protein_coding
Cpsf3l	NM_028020	green4	0.530538986	0.80432476	protein_coding
Cdca4	NM_028023	green4	0.730368384	0.953470905	protein_coding
Tmco6	NM_028036	green4	0.617062242	0.866673796	protein_coding
Rpusd4	NM_028040	green4	0.773586551	0.92879595	protein_coding
Cnot11	NM_028043	green4	0.748722307	0.932438116	protein_coding
Cnn3	NM_028044	green4	0.871109908	0.952475736	protein_coding
1600002H07Rik	NM_028056	green4	0.774183504	0.838710354	protein_coding
Ddx42	NM_028074	green4	0.790760808	0.973912464	protein_coding
Chaf1b	NM_028083	green4	0.758174086	0.960452474	protein_coding
Ddhd2	NM_028102	green4	0.508129712	0.818531373	protein_coding
Pygo1	NM_028116	green4	0.656680924	0.890402855	protein_coding
Adpgk	NM_028121	green4	0.763749778	0.925775543	protein_coding
Scaf11	NM_028148	green4	0.590826971	0.884456951	protein_coding
Mms19	NM_028152	green4	0.780470009	0.943158528	protein_coding
1700030K09Rik	NM_028170	green4	0.751979243	0.866127763	protein_coding
Lsm11	NM_028185	green4	0.526914787	0.865931355	protein_coding

Fryl	NM_028194	green4	0.501565226	0.833811727	protein_coding
Xpo5	NM_028198	green4	0.765523365	0.980564011	protein_coding
Fam192a	NM_028221	green4	0.667264348	0.899512195	protein_coding
Pinx1	NM_028228	green4	0.660866697	0.81159725	protein_coding
Rbm33	NM_028234	green4	0.500719909	0.81794993	protein_coding
Htatsf1	NM_028242	green4	0.800897985	0.803962121	protein_coding
Exosc6	NM_028274	green4	0.786466743	0.866843952	protein_coding
Ppme1	NM_028292	green4	0.781929877	0.924255767	protein_coding
Dis3	NM_028315	green4	0.796162746	0.974829979	protein_coding
Zfp248	NM_028335	green4	0.733407394	0.867679223	protein_coding
Tdp1	NM_028354	green4	0.751022094	0.968659904	protein_coding
Ndc1	NM_028355	green4	0.599471331	0.939189573	protein_coding
Setd5	NM_028385	green4	0.660003925	0.96877728	protein_coding
Asphd2	NM_028386	green4	0.757415184	0.925036301	protein_coding
Ccnt2	NM_028399	green4	0.577867808	0.857642597	protein_coding
Larp1	NM_028451	green4	0.471232427	0.879179633	protein_coding
Tm7sf2	NM_028454	green4	0.483572857	0.812748178	protein_coding
3110082I17Rik	NM_028469	green4	0.74671925	0.845343709	protein_coding
Bmper	NM_028472	green4	0.909452467	0.918929238	protein_coding
Ptchd4	NM_028474	green4	0.804393931	0.843458074	protein_coding
Mrgbp	NM_028479	green4	0.594704871	0.838347505	protein_coding
Rhobtb3	NM_028493	green4	0.723417649	0.944621007	protein_coding
Dcbld2	NM_028523	green4	0.597689093	0.892400582	protein_coding
Haus7	NM_028633	green4	0.744809159	0.839923052	protein_coding
Tmtc4	NM_028651	green4	0.810331283	0.846494239	protein_coding
Ankrd45	NM_028664	green4	0.771359914	0.870871092	protein_coding
Rap2b	NM_028712	green4	0.847913841	0.91574052	protein_coding
Rftn2	NM_028713	green4	0.697845318	0.891049751	protein_coding
Msl1	NM_028722	green4	0.775238709	0.978991135	protein_coding
Gga2	NM_028758	green4	0.600620809	0.862791991	protein_coding
Rbm19	NM_028762	green4	0.761039408	0.924307679	protein_coding
Ccdc97	NM_028771	green4	0.687885414	0.907829991	protein_coding
Cmtr1	NM_028791	green4	0.603485661	0.922400931	protein_coding
Nudt9	NM_028794	green4	0.684065323	0.89282373	protein_coding
Arpc5l	NM_028809	green4	0.590012105	0.913121424	protein_coding
Gtf2e1	NM_028812	green4	0.571348806	0.823309626	protein_coding

1700017B05Rik	NM_028820	green4	0.513420234	0.820113312	protein_coding
Dnal1	NM_028821	green4	0.464270339	0.806613557	protein_coding
Tmem110	NM_028839	green4	0.640396362	0.888976074	protein_coding
Ccdc182	NM_028859	green4	-0.585438318	-0.80091415	protein_coding
Dnajc14	NM_028873	green4	0.675911828	0.930284058	protein_coding
Crtc2	NM_028881	green4	0.72450097	0.842525947	protein_coding
Gle1	NM_028923	green4	0.552756609	0.856171098	protein_coding
Eaf1	NM_028932	green4	0.539120567	0.923868243	protein_coding
Zfp558	NM_028935	green4	0.804367707	0.956214695	protein_coding
Cep72	NM_028959	green4	0.533361917	0.814419752	protein_coding
4933427D14Rik	NM_028963	green4	0.657301955	0.902167556	protein_coding
Gorasp1	NM_028976	green4	0.558586033	0.855672299	protein_coding
S100pbp	NM_029036	green4	0.470316687	0.818404037	protein_coding
Ddit4	NM_029083	green4	0.688305495	0.885170043	protein_coding
Lmbr1l	NM_029098	green4	0.590037043	0.911465893	protein_coding
Manf	NM_029103	green4	0.801100196	0.820645063	protein_coding
Sf3a3	NM_029157	green4	0.821446422	0.907853502	protein_coding
Zbtb49	NM_029162	green4	0.537045093	0.871135523	protein_coding
Rnf121	NM_029211	green4	0.59765583	0.838537189	protein_coding
Pelp1	NM_029231	green4	0.508687328	0.852681031	protein_coding
Nop14	NM_029278	green4	0.846035036	0.967017389	protein_coding
Tti1	NM_029282	green4	0.576938568	0.900964434	protein_coding
Ascc2	NM_029291	green4	0.604506269	0.850027976	protein_coding
Hspb9	NM_029307	green4	0.625957567	0.905212151	protein_coding
Akap13	NM_029332	green4	0.547062649	0.855571482	protein_coding
Spata9	NM_029343	green4	0.770145944	0.803330038	protein_coding
Dusp9	NM_029352	green4	0.660654639	0.903146739	protein_coding
Snx24	NM_029394	green4	0.566321455	0.860432489	protein_coding
Bcl2l12	NM_029410	green4	0.666418901	0.810644058	protein_coding
Arl5b	NM_029466	green4	0.826560987	0.931478364	protein_coding
4930579G24Rik	NM_029482	green4	0.397712555	0.821582004	protein_coding
Urb1	NM_029497	green4	0.679500191	0.901504774	protein_coding
Snrnp35	NM_029532	green4	0.813952108	0.829757597	protein_coding
Arxes1	NM_029541	green4	0.780505821	0.869384004	protein_coding
Pwp2	NM_029546	green4	0.745414329	0.884634455	protein_coding
Mfap4	NM_029568	green4	0.644197227	0.864130476	protein_coding

Kti12	NM_029571	green4	0.638951428	0.910178191	protein_coding
Lhpp	NM_029609	green4	0.766537613	0.877895678	protein_coding
Pcolce2	NM_029620	green4	0.694212446	0.848214929	protein_coding
Ip6k2	NM_029634	green4	0.796965443	0.924777032	protein_coding
Gatc	NM_029645	green4	0.513417941	0.895346088	protein_coding
Mfsd2a	NM_029662	green4	0.825455109	0.908884881	protein_coding
Ipo11	NM_029665	green4	0.586619025	0.802762837	protein_coding
Eprs	NM_029735	green4	0.630989115	0.871216139	protein_coding
Cog2	NM_029746	green4	0.673442555	0.894390638	protein_coding
Usp42	NM_029749	green4	0.811461572	0.973558661	protein_coding
Flywch2	NM_029798	green4	0.652449155	0.862080224	protein_coding
Ppp1r12c	NM_029834	green4	0.614576757	0.874260447	protein_coding
Ticrr	NM_029835	green4	0.690322404	0.982524888	protein_coding
Tspyl2	NM_029836	green4	0.680434334	0.972360377	protein_coding
1700109H08Rik	NM_029843	green4	0.721883718	0.888241962	protein_coding
Bcl7a	NM_029850	green4	0.616498984	0.817806994	protein_coding
Hnrnpa0	NM_029872	green4	0.729538924	0.954194721	protein_coding
Slc35e3	NM_029875	green4	0.607529784	0.815822045	protein_coding
Wdr82	NM_029896	green4	0.636742564	0.977218482	protein_coding
Tcaf1	NM_029930	green4	0.765905739	0.983204059	protein_coding
Bcl9	NM_029933	green4	0.760309845	0.966717921	protein_coding
H2afv	NM_029938	green4	0.733490091	0.860585427	protein_coding
Apex2	NM_029943	green4	0.527418606	0.833095064	protein_coding
Mrps5	NM_029963	green4	0.711276948	0.881911542	protein_coding
Trim35	NM_029979	green4	0.625482499	0.897756664	protein_coding
Lrrc42	NM_029985	green4	0.624345497	0.826651772	protein_coding
Tchp	NM_029992	green4	0.718997583	0.913614013	protein_coding
Trmt13	NM_030016	green4	0.474809684	0.846905968	protein_coding
Zfp687	NM_030074	green4	0.654311219	0.910537969	protein_coding
Rbsn	NM_030081	green4	0.742844239	0.858616161	protein_coding
Sf3b2	NM_030109	green4	0.767771996	0.96365013	protein_coding
Rtf1	NM_030112	green4	0.851554549	0.96449288	protein_coding
Cnih4	NM_030131	green4	0.601845999	0.850458927	protein_coding
Srbd1	NM_030133	green4	0.751017237	0.962820762	protein_coding
Naa35	NM_030153	green4	0.770971958	0.967611547	protein_coding
Usp54	NM_030180	green4	0.54213199	0.903366993	protein_coding

Tspyl4	NM_030203	green4	0.59455611	0.955031485	protein_coding
Saal1	NM_030233	green4	0.742730404	0.97527425	protein_coding
Tada1	NM_030245	green4	0.718092873	0.866583979	protein_coding
Sesn3	NM_030261	green4	0.829163783	0.958912982	protein_coding
Vps16	NM_030559	green4	0.743318049	0.972903639	protein_coding
N4bp1	NM_030563	green4	0.632518029	0.956537809	protein_coding
Zfp202	NM_030713	green4	0.676715276	0.84121184	protein_coding
Uck2	NM_030724	green4	0.733418168	0.93549209	protein_coding
Nckipsd	NM_030729	green4	0.678314762	0.850095822	protein_coding
Rad54l2	NM_030730	green4	0.677748232	0.948866419	protein_coding
Tbl1xr1	NM_030732	green4	0.582597051	0.91397199	protein_coding
Rnf114	NM_030743	green4	0.53216523	0.814398087	protein_coding
Ankrd17	NM_030886	green4	0.698948614	0.840696522	protein_coding
Tsta3	NM_031201	green4	0.720432466	0.829953568	protein_coding
Cstf2t	NM_031249	green4	0.726203594	0.913392425	protein_coding
Ogfr	NM_031373	green4	0.83820292	0.956008551	protein_coding
Wdr6	NM_031392	green4	0.705587352	0.875238772	protein_coding
Crispld1	NM_031402	green4	0.618738176	0.841276855	protein_coding
Dbr1	NM_031403	green4	0.517261214	0.908366707	protein_coding
Gigyf1	NM_031408	green4	0.525496611	0.842922485	protein_coding
Smarcd1	NM_031842	green4	0.664712109	0.842301704	protein_coding
Wasf1	NM_031877	green4	0.652930817	0.942791685	protein_coding
Tssk6	NM_032004	green4	0.532200449	0.859085921	protein_coding
Mbd6	NM_033072	green4	0.509360452	0.83013109	protein_coding
Tars	NM_033074	green4	0.784382531	0.926809041	protein_coding
Ngfr	NM_033217	green4	0.815686936	0.909984145	protein_coding
Glce	NM_033320	green4	0.723393516	0.823518457	protein_coding
Dgcr8	NM_033324	green4	0.678186562	0.896831416	protein_coding
Jmjd6	NM_033398	green4	0.726320174	0.845353747	protein_coding
Vangl2	NM_033509	green4	0.637287474	0.821655415	protein_coding
Spred2	NM_033523	green4	0.76030972	0.860887598	protein_coding
Ubqln4	NM_033526	green4	0.690447651	0.898874645	protein_coding
Klf7	NM_033563	green4	0.682124539	0.929313967	protein_coding
Cecr6	NM_033567	green4	0.742765003	0.90674679	protein_coding
Prcc	NM_033573	green4	0.742973924	0.85293166	protein_coding
Pcdhgb5	NM_033577	green4	0.666613431	0.855450233	protein_coding

Pcdhgb6	NM_033578	green4	0.844055067	0.866847451	protein_coding
Pcdhgb7	NM_033579	green4	0.643079289	0.880778623	protein_coding
Pcdhgc5	NM_033583	green4	0.600262909	0.855313005	protein_coding
Pcdhga2	NM_033585	green4	0.664012571	0.94934511	protein_coding
Pcdhga3	NM_033586	green4	0.781355579	0.837254163	protein_coding
Pcdhga4	NM_033587	green4	0.703869673	0.807931645	protein_coding
Pcdhga7	NM_033590	green4	0.656963421	0.938349548	protein_coding
Pcdhga8	NM_033591	green4	0.521032248	0.815904097	protein_coding
Pcdhga9	NM_033592	green4	0.819401872	0.922015821	protein_coding
Pcdhga11	NM_033594	green4	0.901893511	0.854384281	protein_coding
Pcdhga12	NM_033595	green4	0.524178038	0.866464047	protein_coding
Rnf111	NM_033604	green4	0.488195383	0.833167367	protein_coding
Supt16	NM_033618	green4	0.795014681	0.913063368	protein_coding
Nup62	NM_053074	green4	0.773196416	0.906708844	protein_coding
Setbp1	NM_053099	green4	0.848342734	0.922036804	protein_coding
Pard6g	NM_053117	green4	0.667684348	0.906681958	protein_coding
Pcdhb3	NM_053128	green4	0.781271628	0.864831385	protein_coding
Pcdhb21	NM_053146	green4	0.811473248	0.896878017	protein_coding
Pcdhb22	NM_053147	green4	0.519423236	0.84968696	protein_coding
Mrpl3	NM_053159	green4	0.70567126	0.922402855	protein_coding
Trim7	NM_053166	green4	0.70784318	0.882872226	protein_coding
Kifc5b	NM_053173	green4	0.666633137	0.844227247	protein_coding
Nans	NM_053179	green4	0.628581414	0.831006593	protein_coding
Slc24a3	NM_053195	green4	0.647471525	0.85309836	protein_coding
Magee2	NM_053206	green4	0.752860973	0.814023741	protein_coding
Egln2	NM_053208	green4	0.73729515	0.900716338	protein_coding
Ugt2b37	NM_053215	green4	-0.52602305	-0.813416456	protein_coding
Elac1	NM_053255	green4	0.550340874	0.868943525	protein_coding
Pip4k2b	NM_054051	green4	0.647830798	0.928704898	protein_coding
Mta1	NM_054081	green4	0.677589286	0.899269409	protein_coding
Tgs1	NM_054089	green4	0.816115553	0.915493339	protein_coding
Necab2	NM_054095	green4	0.826605396	0.881866735	protein_coding
Recql4	NM_058214	green4	0.550245228	0.852994191	protein_coding
Srgap3	NM_080448	green4	0.639382974	0.83068716	protein_coding
Tshz2	NM_080455	green4	0.54306747	0.88676236	protein_coding
Zfp358	NM_080461	green4	0.742430544	0.931212778	protein_coding

Ube2n	NM_080560	green4	0.596851961	0.895525003	protein_coding
Wdr5	NM_080848	green4	0.696307579	0.929194117	protein_coding
Pask	NM_080850	green4	0.77046141	0.943540288	protein_coding
Cdk9	NM_130860	green4	0.624140649	0.825448223	protein_coding
Usp48	NM_130879	green4	0.697102842	0.946827123	protein_coding
Pabpc4	NM_130881	green4	0.683670338	0.872582535	protein_coding
Anp32b	NM_130889	green4	0.757480839	0.979549402	protein_coding
Cacng7	NM_133189	green4	0.88364112	0.855416617	protein_coding
Zfp287	NM_133208	green4	0.701884755	0.850760383	protein_coding
Mtmr4	NM_133215	green4	0.695314056	0.907695668	protein_coding
Nup155	NM_133227	green4	0.679716609	0.89876433	protein_coding
Ing4	NM_133345	green4	0.745266044	0.952599508	protein_coding
Asb6	NM_133346	green4	0.701399306	0.943631916	protein_coding
Acaca	NM_133360	green4	0.636616625	0.929113918	protein_coding
Rab31	NM_133685	green4	0.744088115	0.874752836	protein_coding
Pold3	NM_133692	green4	0.4374466	0.839504845	protein_coding
Rbm42	NM_133693	green4	0.661283254	0.891931414	protein_coding
Prpf6	NM_133701	green4	0.766585174	0.973753377	protein_coding
St13	NM_133726	green4	0.815495564	0.968442218	protein_coding
Clmp	NM_133733	green4	0.802937898	0.856293333	protein_coding
Ptcd1	NM_133735	green4	0.5866299	0.912390372	protein_coding
Prmt3	NM_133740	green4	0.654038015	0.82851998	protein_coding
Gpn1	NM_133756	green4	0.8139631	0.933408502	protein_coding
Dcp1a	NM_133761	green4	0.512348104	0.866071247	protein_coding
Tpr	NM_133780	green4	0.583991674	0.81297115	protein_coding
Qars	NM_133794	green4	0.768537555	0.896725766	protein_coding
Nol12	NM_133800	green4	0.812722166	0.854679124	protein_coding
Gtf2f1	NM_133801	green4	0.669115944	0.830596278	protein_coding
Dpp3	NM_133803	green4	0.592644389	0.855987813	protein_coding
Cops8	NM_133805	green4	0.587121911	0.906798598	protein_coding
Lrrc59	NM_133807	green4	0.493165677	0.805255531	protein_coding
Rdh10	NM_133832	green4	0.89255263	0.923252849	protein_coding
Clp1	NM_133840	green4	0.750147198	0.813759955	protein_coding
Kdm1a	NM_133872	green4	0.667677395	0.953204668	protein_coding
Zbtb48	NM_133879	green4	0.470966244	0.822957845	protein_coding
Papd4	NM_133905	green4	0.633890124	0.83100755	protein_coding

Ube3c	NM_133907	green4	0.503140331	0.810220785	protein_coding
Eif3b	NM_133916	green4	0.81242181	0.971822579	protein_coding
Rbm28	NM_133925	green4	0.800956328	0.960518456	protein_coding
Itfg2	NM_133927	green4	0.855842424	0.9546446	protein_coding
Creld1	NM_133930	green4	0.618662848	0.837199592	protein_coding
Tada3	NM_133932	green4	0.729740415	0.901249492	protein_coding
Isy1	NM_133934	green4	0.83498573	0.923119957	protein_coding
Fbxl14	NM_133940	green4	0.536862319	0.818141755	protein_coding
Numa1	NM_133947	green4	0.73284676	0.93687401	protein_coding
Ptov1	NM_133949	green4	0.674396323	0.85404875	protein_coding
Sf3b3	NM_133953	green4	0.692476592	0.971636174	protein_coding
Rhou	NM_133955	green4	0.573234097	0.852406081	protein_coding
Dohh	NM_133964	green4	0.675628292	0.883163878	protein_coding
Armc6	NM_133972	green4	0.620587504	0.819950261	protein_coding
Cd276	NM_133983	green4	0.637087386	0.89465261	protein_coding
Fam207a	NM_133998	green4	0.751934772	0.929983554	protein_coding
Enpp3	NM_134005	green4	0.499226402	0.859241736	protein_coding
Nup107	NM_134010	green4	0.728256006	0.85408635	protein_coding
Mbtd1	NM_134012	green4	0.668543446	0.857217059	protein_coding
Tubg1	NM_134024	green4	0.532298997	0.837266886	protein_coding
Ddx1	NM_134040	green4	0.676100746	0.905846693	protein_coding
Ddx41	NM_134059	green4	0.83151414	0.914350394	protein_coding
Rbm26	NM_134077	green4	0.550882551	0.837430811	protein_coding
Dnajc9	NM_134081	green4	0.63200475	0.845568829	protein_coding
Desi1	NM_134095	green4	0.559730103	0.861665974	protein_coding
Stk38	NM_134115	green4	0.62981535	0.912036737	protein_coding
Scaf8	NM_134123	green4	0.573838617	0.880860431	protein_coding
Ift140	NM_134126	green4	0.719359909	0.907411002	protein_coding
Wdr74	NM_134139	green4	0.564302913	0.858378094	protein_coding
Otub1	NM_134150	green4	0.620947816	0.811300024	protein_coding
Yars	NM_134151	green4	0.712733403	0.943453729	protein_coding
Brms1	NM_134155	green4	0.580564275	0.907737608	protein_coding
Elov15	NM_134255	green4	0.45987632	0.804307851	protein_coding
Il17rd	NM_134437	green4	0.902309623	0.910945196	protein_coding
Spg21	NM_138584	green4	0.594164715	0.877066875	protein_coding
Ubfd1	NM_138589	green4	0.785890169	0.982161966	protein_coding

Usp39	NM_138592	green4	0.646703716	0.884920673	protein_coding
Larp7	NM_138593	green4	0.688925339	0.847528856	protein_coding
Gldc	NM_138595	green4	0.431611747	0.826817323	protein_coding
Praf2	NM_138602	green4	0.561265306	0.841748023	protein_coding
Ccdc22	NM_138603	green4	0.686028442	0.893579117	protein_coding
Txlnb	NM_138628	green4	0.733699395	0.865527291	protein_coding
Hps4	NM_138646	green4	0.525356319	0.803646936	protein_coding
Socs7	NM_138657	green4	0.614181858	0.922481016	protein_coding
Prpf8	NM_138659	green4	0.637543972	0.869555346	protein_coding
Casc3	NM_138660	green4	0.585858956	0.909184895	protein_coding
Tab2	NM_138667	green4	0.679152023	0.90738637	protein_coding
Shkbp1	NM_138676	green4	0.68771263	0.876998509	protein_coding
Lrrc4	NM_138682	green4	0.778067635	0.980272619	protein_coding
Nop2	NM_138747	green4	0.780579711	0.964470091	protein_coding
Dnajc17	NM_139139	green4	0.685731195	0.891732688	protein_coding
Spats2	NM_139140	green4	0.763365574	0.923418129	protein_coding
Slc39a6	NM_139143	green4	0.847429206	0.969553943	protein_coding
Fus	NM_139149	green4	0.819457486	0.943704073	protein_coding
Gbgt1	NM_139197	green4	-0.840109722	-0.950903501	protein_coding
Nol6	NM_139236	green4	0.603833211	0.872848431	protein_coding
Gatad2b	NM_139304	green4	0.715783621	0.942532336	protein_coding
Snap47	NM_144521	green4	0.797681597	0.926893664	protein_coding
Zfp622	NM_144523	green4	0.663376575	0.880189214	protein_coding
Trib1	NM_144549	green4	0.705977786	0.863829641	protein_coding
Dlgap5	NM_144553	green4	0.641523532	0.82016256	protein_coding
Wt1	NM_144783	green4	0.616346655	0.811230935	protein_coding
Prdm15	NM_144789	green4	0.805042051	0.932158518	protein_coding
Pycr1	NM_144795	green4	0.699569812	0.858835299	protein_coding
Camk1g	NM_144817	green4	0.540751651	0.867842923	protein_coding
Ncaph	NM_144818	green4	0.514139153	0.862378382	protein_coding
Wrap53	NM_144824	green4	0.731677268	0.895147097	protein_coding
Utp6	NM_144826	green4	0.711937012	0.902116471	protein_coding
Aarsd1	NM_144829	green4	0.701162558	0.969348617	protein_coding
Dhx8	NM_144831	green4	0.779498019	0.985117844	protein_coding
Heatr1	NM_144835	green4	0.677516124	0.89372052	protein_coding
Ice1	NM_144837	green4	0.742512774	0.963892662	protein_coding

Senp1	NM_144851	green4	0.695336074	0.971600475	protein_coding
Rrp36	NM_144857	green4	0.628767726	0.895535306	protein_coding
Mib1	NM_144860	green4	0.7030316	0.922503882	protein_coding
Rprd1a	NM_144861	green4	0.588089562	0.894091685	protein_coding
Etf1	NM_144866	green4	0.535335655	0.805743646	protein_coding
Slmo1	NM_144867	green4	0.754504543	0.850824658	protein_coding
Uhrf2	NM_144873	green4	0.746942033	0.868321305	protein_coding
Mettl13	NM_144877	green4	0.657214588	0.944378962	protein_coding
Exosc2	NM_144886	green4	0.804643326	0.961337107	protein_coding
Ncoa5	NM_144892	green4	0.68470861	0.896666256	protein_coding
Smyd5	NM_144918	green4	0.561632847	0.882747039	protein_coding
Hnrnpul1	NM_144922	green4	0.666806167	0.934859829	protein_coding
Tnrc6a	NM_144925	green4	0.754088551	0.972508376	protein_coding
Pitrm1	NM_145131	green4	0.712620722	0.950701397	protein_coding
Chst10	NM_145142	green4	0.833414878	0.897305919	protein_coding
Wasf3	NM_145155	green4	0.790390508	0.897438261	protein_coding
Nsun2	NM_145354	green4	0.75403977	0.993206792	protein_coding
Mios	NM_145374	green4	0.408620734	0.849232624	protein_coding
Lpcat1	NM_145376	green4	0.611102236	0.926006531	protein_coding
Trim41	NM_145377	green4	0.677548842	0.944244233	protein_coding
Fam193b	NM_145382	green4	0.602694934	0.937792684	protein_coding
Ythdf2	NM_145393	green4	0.676142952	0.872293842	protein_coding
Tbl3	NM_145396	green4	0.74585925	0.924129692	protein_coding
Chtf18	NM_145409	green4	0.615339032	0.912501135	protein_coding
Chtf8	NM_145412	green4	0.690984043	0.911939382	protein_coding
Nsun5	NM_145414	green4	0.646074394	0.801752934	protein_coding
Diexf	NM_145415	green4	0.737903756	0.962865622	protein_coding
Kri1	NM_145416	green4	0.586062889	0.878413098	protein_coding
Ube2d1	NM_145420	green4	0.893364662	0.925730655	protein_coding
Rtcb	NM_145422	green4	0.848309887	0.899759574	protein_coding
Fam222b	NM_145430	green4	0.603746346	0.866440331	protein_coding
Heatr6	NM_145432	green4	0.626669649	0.926175443	protein_coding
Eif2b2	NM_145445	green4	0.806348018	0.825948176	protein_coding
Lrrc14	NM_145471	green4	0.651897252	0.8850559	protein_coding
Klhl22	NM_145479	green4	0.730041891	0.960887434	protein_coding
Zfp521	NM_145492	green4	0.89043938	0.906709173	protein_coding

Pi4k2a	NM_145501	green4	0.559193723	0.823472724	protein_coding
Dyrk3	NM_145508	green4	0.881553438	0.900402637	protein_coding
Gnl2	NM_145552	green4	0.713810374	0.843527772	protein_coding
Fbxo21	NM_145564	green4	0.538593304	0.867145498	protein_coding
Zfp772	NM_145577	green4	0.576740034	0.903757712	protein_coding
Igflr1	NM_145580	green4	0.639409891	0.818579019	protein_coding
Thumpd1	NM_145585	green4	0.779219826	0.976097677	protein_coding
Sbk1	NM_145587	green4	0.781187107	0.906002425	protein_coding
Kif22	NM_145588	green4	0.668800802	0.97017544	protein_coding
Klhdc4	NM_145605	green4	0.687434426	0.910201861	protein_coding
Ppan	NM_145610	green4	0.755400981	0.951333581	protein_coding
Kank2	NM_145611	green4	0.56476021	0.824781304	protein_coding
Rrp9	NM_145620	green4	0.802248324	0.863975248	protein_coding
Usp11	NM_145628	green4	0.702605147	0.929032151	protein_coding
Pdk3	NM_145630	green4	0.465117298	0.834685865	protein_coding
Tinf2	NM_145705	green4	0.656410912	0.943747704	protein_coding
Tox	NM_145711	green4	0.753690874	0.895435199	protein_coding
Cd3eap	NM_145822	green4	0.835280976	0.90545251	protein_coding
Fntb	NM_145927	green4	0.708341254	0.935557373	protein_coding
Alg3	NM_145939	green4	0.417085662	0.823239093	protein_coding
Fanci	NM_145946	green4	0.451646463	0.812352711	protein_coding
Osgin2	NM_145950	green4	0.654884066	0.885805013	protein_coding
Kbtbd2	NM_145958	green4	0.553539803	0.836955143	protein_coding
Ap1ar	NM_145964	green4	0.643336471	0.882584165	protein_coding
Nepro	NM_145972	green4	0.784915662	0.967146155	protein_coding
Chd4	NM_145979	green4	0.689419283	0.914176178	protein_coding
Bud13	NM_146000	green4	0.651607009	0.868784685	protein_coding
Efemp1	NM_146015	green4	0.878632089	0.879599546	protein_coding
Chd3	NM_146019	green4	0.785787731	0.93442713	protein_coding
Samd14	NM_146025	green4	0.574154624	0.911335763	protein_coding
Srp68	NM_146032	green4	0.670487464	0.942734816	protein_coding
Ahsa1	NM_146036	green4	0.681251266	0.909014296	protein_coding
Wdr60	NM_146039	green4	0.606537521	0.821178687	protein_coding
Cdca7l	NM_146040	green4	0.558192336	0.928287248	protein_coding
Ccar2	NM_146055	green4	0.722773824	0.90276775	protein_coding
Ubxn1	NM_146093	green4	0.836684786	0.962819449	protein_coding

Tram111	NM_146140	green4	0.815021296	0.837937522	protein_coding
Nrd1	NM_146150	green4	0.517548739	0.868440967	protein_coding
Ipo13	NM_146152	green4	0.663905853	0.97037386	protein_coding
Thrap3	NM_146153	green4	0.695703551	0.956346439	protein_coding
Tmem119	NM_146162	green4	0.673390758	0.846187845	protein_coding
Vopp1	NM_146168	green4	0.788429726	0.972517383	protein_coding
Paip2b	NM_146169	green4	0.832751638	0.984227317	protein_coding
Ncapd2	NM_146171	green4	0.579266381	0.906714966	protein_coding
Zfp282	NM_146175	green4	0.673278077	0.883486022	protein_coding
Cnot3	NM_146176	green4	0.66890635	0.944851482	protein_coding
Wdr62	NM_146186	green4	0.718626528	0.965513062	protein_coding
Kctd15	NM_146188	green4	0.656923974	0.829805229	protein_coding
Eif3c	NM_146200	green4	0.787872265	0.955766065	protein_coding
Zfp553	NM_146201	green4	0.683632522	0.865625204	protein_coding
Aars	NM_146217	green4	0.771921164	0.980591304	protein_coding
Rfwd3	NM_146218	green4	0.417401412	0.874562868	protein_coding
Cchcr1	NM_146248	green4	0.779051996	0.801279632	protein_coding
Slc29a4	NM_146257	green4	0.682533327	0.882719432	protein_coding
Zfp668	NM_146259	green4	0.765700623	0.926645098	protein_coding
Zfp263	NM_148924	green4	0.748015137	0.975932691	protein_coding
Pom121	NM_148932	green4	0.759171512	0.9323097	protein_coding
Elov14	NM_148941	green4	0.658378075	0.864967929	protein_coding
Slc8a2	NM_148946	green4	0.49086487	0.819222208	protein_coding
Dicer1	NM_148948	green4	0.786709673	0.978418519	protein_coding
E2f4	NM_148952	green4	0.571539716	0.882111657	protein_coding
Zfp566	NM_152814	green4	0.609362008	0.898966462	protein_coding
Las1l	NM_152822	green4	0.663012909	0.903606354	protein_coding
Rbm17	NM_152824	green4	0.76256683	0.944645978	protein_coding
Kdm5b	NM_152895	green4	0.84774825	0.971556155	protein_coding
Sf3b4	NM_153053	green4	0.605611625	0.864898705	protein_coding
Ddx27	NM_153065	green4	0.762245041	0.976343338	protein_coding
Dnajc27	NM_153082	green4	0.678799962	0.876858072	protein_coding
Nupl2	NM_153092	green4	0.675381984	0.882873632	protein_coding
Nat10	NM_153126	green4	0.882826054	0.93834019	protein_coding
Zcchc17	NM_153160	green4	0.790643373	0.932504341	protein_coding
BC037034	NM_153161	green4	0.726827216	0.895011941	protein_coding

Ago2	NM_153178	green4	0.635094726	0.898324885	protein_coding
Csrnp2	NM_153407	green4	0.761419093	0.961638818	protein_coding
Aaas	NM_153416	green4	0.674244074	0.947690319	protein_coding
Grwd1	NM_153419	green4	0.803907975	0.901754894	protein_coding
Dusp7	NM_153459	green4	0.646383691	0.868727578	protein_coding
Pank2	NM_153501	green4	0.584008814	0.935322493	protein_coding
Rnf113a1	NM_153503	green4	0.76753989	0.842217677	protein_coding
Bcl2l13	NM_153516	green4	0.668934558	0.881814836	protein_coding
Lrrc41	NM_153521	green4	0.710505615	0.914911622	protein_coding
Insig1	NM_153526	green4	0.71284734	0.896918866	protein_coding
Adcy2	NM_153534	green4	0.828745301	0.917868885	protein_coding
Phldb1	NM_153537	green4	0.594092847	0.844941963	protein_coding
Lrrc20	NM_153542	green4	0.697239889	0.915509666	protein_coding
BC030867	NM_153544	green4	0.749732775	0.95702426	protein_coding
Lrrc45	NM_153545	green4	0.606187181	0.935673285	protein_coding
Noc4l	NM_153570	green4	0.571595957	0.868410353	protein_coding
Katnal1	NM_153572	green4	0.792759903	0.970758155	protein_coding
Ino80e	NM_153580	green4	0.619335446	0.860757519	protein_coding
Cnot10	NM_153585	green4	0.657930271	0.855025637	protein_coding
Rnf26	NM_153762	green4	0.766721348	0.918213803	protein_coding
Ipo9	NM_153774	green4	0.761660906	0.985038586	protein_coding
Ctu2	NM_153775	green4	0.633135732	0.840645093	protein_coding
Pygb	NM_153781	green4	0.66937102	0.919976232	protein_coding
Flywch1	NM_153791	green4	0.760129636	0.911805177	protein_coding
Peo1	NM_153796	green4	0.769779677	0.913402373	protein_coding
Edc3	NM_153799	green4	0.690682704	0.947369275	protein_coding
Iars	NM_172015	green4	0.558054012	0.87277532	protein_coding
Slc24a4	NM_172152	green4	0.732611087	0.808943967	protein_coding
Hinfp	NM_172162	green4	0.605175593	0.969567698	protein_coding
Cep68	NM_172260	green4	0.53967765	0.817854619	protein_coding
Eif2b5	NM_172265	green4	0.724719585	0.89785126	protein_coding
Nup214	NM_172268	green4	0.536804155	0.874662632	protein_coding
Sfswap	NM_172276	green4	0.694457704	0.9532556	protein_coding
Emsy	NM_172280	green4	0.583037149	0.85316003	protein_coding
Rnf40	NM_172281	green4	0.65071816	0.848401034	protein_coding
Nup133	NM_172288	green4	0.610616246	0.914368931	protein_coding

Limd2	NM_172397	green4	0.710519007	0.915286733	protein_coding
2810021J22Rik	NM_172403	green4	0.674730251	0.847112969	protein_coding
Nup93	NM_172410	green4	0.725187425	0.989893102	protein_coding
Gpc2	NM_172412	green4	0.85129975	0.884290446	protein_coding
Pus7l	NM_172437	green4	0.49013771	0.865787901	protein_coding
Thoc5	NM_172438	green4	0.783735517	0.974721665	protein_coding
Pif1	NM_172453	green4	0.610691591	0.806141715	protein_coding
Mob3a	NM_172457	green4	0.632645255	0.864457751	protein_coding
Sned1	NM_172463	green4	0.832540857	0.948812866	protein_coding
Adamts18	NM_172466	green4	0.884283597	0.887763342	protein_coding
Zc3hav1l	NM_172467	green4	0.766254225	0.935805797	protein_coding
Dennd2a	NM_172477	green4	0.783891202	0.931086395	protein_coding
Dcaf15	NM_172502	green4	0.685352074	0.888733991	protein_coding
Zswim4	NM_172503	green4	0.750095309	0.900548052	protein_coding
Boc	NM_172506	green4	0.88800384	0.805002884	protein_coding
Rbbp5	NM_172517	green4	0.660571976	0.97613928	protein_coding
Fbxo42	NM_172518	green4	0.538732846	0.851589934	protein_coding
Zfp609	NM_172536	green4	0.596629611	0.893289224	protein_coding
Ybey	NM_172550	green4	0.786152757	0.906265839	protein_coding
Cntrob	NM_172560	green4	0.695244963	0.920161193	protein_coding
Klhl11	NM_172565	green4	0.592811215	0.836342581	protein_coding
Mettl2	NM_172567	green4	0.773284432	0.924895131	protein_coding
Fbf1	NM_172571	green4	0.663540873	0.894173553	protein_coding
Lhfpl2	NM_172589	green4	0.870422603	0.892192895	protein_coding
Dhx29	NM_172594	green4	0.813204545	0.979910079	protein_coding
Atg14	NM_172599	green4	0.663311819	0.807168941	protein_coding
Mpped1	NM_172610	green4	0.650440822	0.830985016	protein_coding
Rbm27	NM_172626	green4	0.494177453	0.841543996	protein_coding
Kctd3	NM_172650	green4	0.585976857	0.941556567	protein_coding
Slc39a10	NM_172653	green4	0.702469156	0.863222937	protein_coding
D2Wsu81e	NM_172660	green4	0.663586926	0.839212156	protein_coding
Phf20	NM_172674	green4	0.622179015	0.92879064	protein_coding
D930015E06Rik	NM_172681	green4	0.693542687	0.922075158	protein_coding
Slc25a24	NM_172685	green4	0.666462912	0.86370901	protein_coding
Gba2	NM_172692	green4	0.792596075	0.90069521	protein_coding
Megf9	NM_172694	green4	0.768734393	0.919131691	protein_coding

Dnajc11	NM_172704	green4	0.806393059	0.972221766	protein_coding
Phf13	NM_172705	green4	0.723058326	0.918176467	protein_coding
Sel1l3	NM_172710	green4	0.797893807	0.835157904	protein_coding
Sdad1	NM_172713	green4	0.636523623	0.917781785	protein_coding
Fbxw8	NM_172721	green4	0.637103769	0.873037711	protein_coding
Naa25	NM_172722	green4	0.696797495	0.982040071	protein_coding
E130309D02Rik	NM_172726	green4	0.540998575	0.809636227	protein_coding
Arhgap35	NM_172739	green4	0.703064398	0.935919496	protein_coding
Hirip3	NM_172746	green4	0.775582498	0.969801992	protein_coding
Fbxl19	NM_172748	green4	0.723420717	0.909962567	protein_coding
Zfp646	NM_172749	green4	0.657869884	0.915408202	protein_coding
Heatr3	NM_172757	green4	0.736353237	0.922786303	protein_coding
Atrip	NM_172774	green4	0.598003636	0.958867719	protein_coding
L3mbtl3	NM_172787	green4	0.582993423	0.866324625	protein_coding
Pla2g3	NM_172791	green4	0.599440914	0.913689577	protein_coding
Lrp12	NM_172814	green4	0.92589967	0.926664343	protein_coding
St6gal2	NM_172829	green4	0.730054073	0.897278967	protein_coding
Ccnj	NM_172839	green4	0.841045008	0.920199443	protein_coding
Slco5a1	NM_172841	green4	0.773910543	0.838150794	protein_coding
Cntnap5b	NM_172851	green4	0.82449379	0.816191823	protein_coding
Pak7	NM_172858	green4	0.832385632	0.885353121	protein_coding
Rgp1	NM_172866	green4	0.509816182	0.807464709	protein_coding
Zfp462	NM_172867	green4	0.802484039	0.948389601	protein_coding
Gpatch3	NM_172876	green4	0.777874262	0.871625897	protein_coding
Tmem132d	NM_172885	green4	0.661256855	0.887002319	protein_coding
Dpy19l1	NM_172920	green4	0.702433493	0.896483593	protein_coding
Nlgn3	NM_172932	green4	0.510933627	0.830588735	protein_coding
Ankrd13b	NM_172945	green4	0.744956887	0.927176211	protein_coding
Lsm12	NM_172947	green4	0.590033425	0.837714516	protein_coding
Arhgap28	NM_172964	green4	0.884054035	0.949760393	protein_coding
Sap130	NM_172965	green4	0.701842653	0.925282272	protein_coding
Cops7b	NM_172974	green4	0.854859793	0.935292555	protein_coding
Zfp512	NM_172993	green4	0.721437171	0.979301015	protein_coding
Vat1l	NM_173016	green4	0.654439995	0.822587775	protein_coding
Pfkfb4	NM_173019	green4	0.567506699	0.83272925	protein_coding
Galnt13	NM_173030	green4	0.674428912	0.805408063	protein_coding

Tstd2	NM_173033	green4	0.66819718	0.929288209	protein_coding
Mcph1	NM_173189	green4	0.568667133	0.948043302	protein_coding
Zfp445	NM_173364	green4	0.678101609	0.810482113	protein_coding
Proser1	NM_173382	green4	0.692888692	0.874982251	protein_coding
Xkr6	NM_173393	green4	0.533004233	0.889670267	protein_coding
Haus6	NM_173400	green4	0.581776522	0.817085766	protein_coding
Zbtb37	NM_173424	green4	0.607989746	0.806426825	protein_coding
Pskh1	NM_173432	green4	0.55834499	0.844756019	protein_coding
Fbxo45	NM_173439	green4	0.692120153	0.941074059	protein_coding
Iws1	NM_173441	green4	0.74978604	0.953600519	protein_coding
Rccd1	NM_173445	green4	0.617488439	0.894050964	protein_coding
Fam155a	NM_173446	green4	0.646992391	0.896841035	protein_coding
Rpusd2	NM_173450	green4	0.657160223	0.903317857	protein_coding
Wdr24	NM_173741	green4	0.609341603	0.852076735	protein_coding
Dusp18	NM_173745	green4	0.631172776	0.814254318	protein_coding
Nudcd3	NM_173748	green4	0.731629876	0.96488026	protein_coding
Ythdf1	NM_173761	green4	0.810143388	0.984540483	protein_coding
Ubt2	NM_173784	green4	0.810351067	0.978972887	protein_coding
Rcc2	NM_173867	green4	0.685580518	0.901028108	protein_coding
Phf12	NM_174852	green4	0.578855271	0.910941066	protein_coding
Mamdc2	NM_174857	green4	0.763741524	0.845182479	protein_coding
Atg4b	NM_174874	green4	0.671111652	0.959943603	protein_coding
Coa6	NM_174987	green4	-0.532148784	-0.80709279	protein_coding
Samd4b	NM_175021	green4	0.640650368	0.886508689	protein_coding
Prr12	NM_175022	green4	0.54482622	0.821244873	protein_coding
Adnp2	NM_175028	green4	0.699004889	0.928338241	protein_coding
Stk36	NM_175031	green4	0.663346729	0.872930853	protein_coding
Tnks	NM_175091	green4	0.685398711	0.888718508	protein_coding
Trib3	NM_175093	green4	0.70267047	0.878092825	protein_coding
Fam53c	NM_175104	green4	0.614273191	0.951799692	protein_coding
Tmem177	NM_175106	green4	0.397650783	0.814244887	protein_coding
Rps19bp1	NM_175109	green4	0.754657246	0.981546621	protein_coding
Hspbap1	NM_175111	green4	0.614849699	0.909119589	protein_coding
Trmt6	NM_175113	green4	0.753724134	0.950435914	protein_coding
Ikzf5	NM_175115	green4	0.575667226	0.874346753	protein_coding
Zcchc3	NM_175126	green4	0.773643556	0.947787082	protein_coding

Rnf122	NM_175136	green4	0.802506094	0.93145543	protein_coding
Utp20	NM_175158	green4	0.73843516	0.953370234	protein_coding
Zfp689	NM_175163	green4	0.606655686	0.813694605	protein_coding
Amer1	NM_175179	green4	0.478650413	0.865525552	protein_coding
Mvb12b	NM_175184	green4	0.647525671	0.853874403	protein_coding
Srrm2	NM_175229	green4	0.640773398	0.925465173	protein_coding
Faxc	NM_175234	green4	0.781495026	0.94894237	protein_coding
Snip1	NM_175246	green4	0.687315382	0.88506965	protein_coding
Arid2	NM_175251	green4	0.661416039	0.864424085	protein_coding
Myh10	NM_175260	green4	0.843530821	0.920235895	protein_coding
Bora	NM_175265	green4	0.642690815	0.943941507	protein_coding
Anapc2	NM_175300	green4	0.758770092	0.946063171	protein_coding
Adamts9	NM_175314	green4	0.819960682	0.966048078	protein_coding
E130012A19Rik	NM_175332	green4	0.76973576	0.817823992	protein_coding
Maml1	NM_175334	green4	0.585323491	0.835267856	protein_coding
Srl	NM_175347	green4	0.813385677	0.949328564	protein_coding
Obfc1	NM_175360	green4	0.713929128	0.942920734	protein_coding
Mex3b	NM_175366	green4	0.841886521	0.957535903	protein_coding
2700081O15Rik	NM_175381	green4	0.777351532	0.900313825	protein_coding
Fam72a	NM_175382	green4	0.809949113	0.823387893	protein_coding
Trmt10a	NM_175389	green4	0.699255893	0.880108086	protein_coding
Sephs1	NM_175400	green4	0.756390023	0.962455958	protein_coding
Rbm15b	NM_175402	green4	0.796999301	0.888273139	protein_coding
Actr5	NM_175419	green4	0.677183665	0.82826081	protein_coding
Ccdc40	NM_175430	green4	0.862929229	0.850187134	protein_coding
Wdr18	NM_175450	green4	0.804647331	0.941114239	protein_coding
Zcchc11	NM_175472	green4	0.596213683	0.811497071	protein_coding
Grik4	NM_175481	green4	0.800677581	0.878740455	protein_coding
Usp28	NM_175482	green4	0.699961785	0.933446319	protein_coding
Prtg	NM_175485	green4	0.879714067	0.902693561	protein_coding
Wdfy2	NM_175546	green4	0.689352373	0.899823664	protein_coding
Lsamp	NM_175548	green4	0.633657828	0.910848278	protein_coding
Wdr3	NM_175552	green4	0.600754672	0.825655847	protein_coding
Clspn	NM_175554	green4	0.723340207	0.945146932	protein_coding
Prr11	NM_175563	green4	0.61188376	0.885133829	protein_coding
Wdr43	NM_175639	green4	0.644094932	0.815892807	protein_coding

Fchsd1	NM_175684	green4	0.599214656	0.815715632	protein_coding
Nup153	NM_175749	green4	0.754400619	0.930039688	protein_coding
Zfp608	NM_175751	green4	0.73225402	0.816225545	protein_coding
Bptf	NM_176850	green4	0.634160194	0.903318269	protein_coding
Dusp4	NM_176933	green4	0.816436897	0.800821128	protein_coding
Lig4	NM_176953	green4	0.761848112	0.879330144	protein_coding
Hif1an	NM_176958	green4	0.584923686	0.846436597	protein_coding
Fbxl7	NM_176959	green4	0.776683162	0.946902661	protein_coding
Simc1	NM_176987	green4	0.726663101	0.889638711	protein_coding
Tigar	NM_177003	green4	0.772200765	0.917657995	protein_coding
Auts2	NM_177047	green4	0.715271765	0.98871392	protein_coding
Senp5	NM_177103	green4	0.726421108	0.947967707	protein_coding
Cenpt	NM_177150	green4	0.587341372	0.944107934	protein_coding
Heatr5a	NM_177171	green4	0.447437131	0.80127465	protein_coding
Slc35e2	NM_177186	green4	0.580805058	0.874576842	protein_coding
Dennd5b	NM_177192	green4	0.652080038	0.931919352	protein_coding
Snrnp200	NM_177214	green4	0.68537248	0.922866468	protein_coding
Zfp629	NM_177226	green4	0.680501805	0.913600309	protein_coding
Dcaf5	NM_177267	green4	0.552857226	0.842076855	protein_coding
Ankrd16	NM_177268	green4	0.623205342	0.846392241	protein_coding
Amigo3	NM_177275	green4	0.680162817	0.804861117	protein_coding
Tnpo3	NM_177296	green4	0.636574071	0.948452201	protein_coding
Hnrnp1	NM_177301	green4	0.679430952	0.891078914	protein_coding
6330408A02Rik	NM_177312	green4	0.747147309	0.856266271	protein_coding
Tsr1	NM_177325	green4	0.791837262	0.840994469	protein_coding
Exoc3	NM_177333	green4	0.568238277	0.852439119	protein_coding
Hmbox1	NM_177338	green4	0.64532791	0.814421789	protein_coding
Vash1	NM_177354	green4	0.722779648	0.892247926	protein_coding
Sh3pxd2b	NM_177364	green4	0.632872053	0.879300634	protein_coding
Gemin4	NM_177367	green4	0.776216889	0.956881579	protein_coding
Tmtc2	NM_177368	green4	0.821129804	0.8672171	protein_coding
Dna2	NM_177372	green4	0.73328603	0.941390633	protein_coding
Ust	NM_177387	green4	0.714136193	0.858123964	protein_coding
Tmcc1	NM_177412	green4	0.738978678	0.849008122	protein_coding
Slx4	NM_177472	green4	0.478062641	0.86615755	protein_coding
Pum3	NM_177474	green4	0.789468097	0.938078808	protein_coding

Zfp280b	NM_177475	green4	0.806004651	0.985104295	protein_coding
Cdc34	NM_177613	green4	0.835517001	0.917702115	protein_coding
Isg20l2	NM_177663	green4	0.647441102	0.946810617	protein_coding
Cep104	NM_177673	green4	0.45283779	0.873509496	protein_coding
Ythdc1	NM_177680	green4	0.691180258	0.903277951	protein_coding
Zfp637	NM_177684	green4	0.64655292	0.90437755	protein_coding
Lsm14b	NM_177727	green4	0.786766353	0.967084225	protein_coding
Zfp507	NM_177739	green4	0.668233488	0.874417733	protein_coding
Rgma	NM_177740	green4	0.740268284	0.826896149	protein_coding
Eme1	NM_177752	green4	0.809463856	0.876584399	protein_coding
Zscan20	NM_177758	green4	0.821003673	0.921568459	protein_coding
Klhl18	NM_177771	green4	0.652510919	0.823578539	protein_coding
D11Wsu47e	NM_177777	green4	0.766058271	0.990724937	protein_coding
Trpa1	NM_177781	green4	0.672282039	0.829886455	protein_coding
Spink10	NM_177829	green4	0.880671609	0.865720294	protein_coding
Fan1	NM_177893	green4	0.483469274	0.815368169	protein_coding
B4galnt4	NM_177897	green4	0.709102148	0.818230503	protein_coding
Gmpr2	NM_177992	green4	0.788647755	0.955087805	protein_coding
Setd1a	NM_178029	green4	0.847223851	0.94633765	protein_coding
Rassf4	NM_178045	green4	0.796436756	0.904781746	protein_coding
Tmem198b	NM_178066	green4	0.916987454	0.836239777	protein_coding
Lsg1	NM_178069	green4	0.777364582	0.976092381	protein_coding
Trim62	NM_178110	green4	0.67941105	0.903704369	protein_coding
Hist1h2ak	NM_178183	green4	0.553875497	0.902392352	protein_coding
Hist1h3d	NM_178204	green4	0.731574226	0.953075958	protein_coding
Hist1h3i	NM_178207	green4	0.566505589	0.872955215	protein_coding
Smg5	NM_178246	green4	0.59322666	0.924628943	protein_coding
Cdc23	NM_178347	green4	0.758021842	0.95194491	protein_coding
Ylpm1	NM_178363	green4	0.710471094	0.946400187	protein_coding
Dhx33	NM_178367	green4	0.772098691	0.980737728	protein_coding
Rraga	NM_178376	green4	0.70539825	0.87053621	protein_coding
Dhx38	NM_178380	green4	0.809518202	0.944456284	protein_coding
Tbcc	NM_178385	green4	0.588587615	0.897431431	protein_coding
Fam53a	NM_178390	green4	0.626181838	0.826682721	protein_coding
Faf2	NM_178397	green4	0.598844711	0.89024339	protein_coding
Zfp334	NM_178411	green4	0.791775758	0.970545676	protein_coding

Pthr1	NM_178595	green4	0.914542676	0.887034181	protein_coding
Imp4	NM_178601	green4	0.681211626	0.915754688	protein_coding
Nop16	NM_178605	green4	0.653351186	0.943881945	protein_coding
Rnf24	NM_178607	green4	0.687599479	0.958918905	protein_coding
E2f7	NM_178609	green4	0.780943517	0.969251643	protein_coding
Psmc11	NM_178616	green4	0.808104145	0.922140741	protein_coding
1810026J23Rik	NM_178619	green4	0.696042069	0.840664216	protein_coding
Cdc42se2	NM_178626	green4	0.676100111	0.949767097	protein_coding
Poldip3	NM_178627	green4	0.615503569	0.879829822	protein_coding
Oaf	NM_178644	green4	0.650592004	0.812114352	protein_coding
Blmh	NM_178645	green4	0.654755942	0.927131123	protein_coding
Depdc1b	NM_178683	green4	0.675693615	0.907464854	protein_coding
Mapk1ip1l	NM_178684	green4	0.763406713	0.976199137	protein_coding
Cep120	NM_178686	green4	0.666385717	0.940877007	protein_coding
Dpy19l3	NM_178704	green4	0.791807637	0.953871745	protein_coding
Pcid2	NM_178708	green4	0.672991022	0.936737143	protein_coding
Rxfp3	NM_178717	green4	0.810770687	0.837732566	protein_coding
Harbi1	NM_178724	green4	0.482308659	0.822863643	protein_coding
Ss18l1	NM_178750	green4	0.50520006	0.888473634	protein_coding
Orai2	NM_178751	green4	0.797680186	0.94499287	protein_coding
Fam168a	NM_178764	green4	0.611946638	0.862837773	protein_coding
Rps6kc1	NM_178775	green4	0.745049619	0.906355084	protein_coding
Bcorl1	NM_178782	green4	0.53883936	0.853192596	protein_coding
Slc7a6	NM_178798	green4	0.813251814	0.927205048	protein_coding
Till1	NM_178869	green4	0.75607181	0.977190257	protein_coding
Fancm	NM_178912	green4	0.543305745	0.879161582	protein_coding
Utp15	NM_178918	green4	0.767327131	0.977606336	protein_coding
Hic2	NM_178922	green4	0.781088646	0.944270598	protein_coding
Scaf4	NM_178923	green4	0.610469327	0.89565504	protein_coding
Aoc2	NM_178932	green4	0.731945171	0.910446373	protein_coding
Gars	NM_180678	green4	0.540963386	0.838703285	protein_coding
Ctcf	NM_181322	green4	0.753067567	0.979282069	protein_coding
Parp11	NM_181402	green4	0.556161912	0.9221105	protein_coding
Gtf2h3	NM_181410	green4	0.784545026	0.9787619	protein_coding
Arhgap11a	NM_181416	green4	0.540230763	0.861174916	protein_coding
Ltv1	NM_181470	green4	0.830874674	0.91271052	protein_coding

Pik3r3	NM_181585	green4	0.744079507	0.840111239	protein_coding
Shq1	NM_181590	green4	0.854694897	0.899359329	protein_coding
R3hdm1	NM_181750	green4	0.46733068	0.813565972	protein_coding
Champ1	NM_181854	green4	0.800570878	0.940130335	protein_coding
Gpt	NM_182805	green4	0.607422637	0.817345515	protein_coding
Spred3	NM_182927	green4	0.743221295	0.862043225	protein_coding
Tmem59l	NM_182991	green4	0.716686967	0.924102459	protein_coding
Ccp110	NM_182995	green4	0.687324412	0.843895015	protein_coding
Tdl12	NM_183017	green4	0.68159866	0.95564987	protein_coding
Atxn2l	NM_183020	green4	0.501740101	0.858126826	protein_coding
Thada	NM_183021	green4	0.495776561	0.830708714	protein_coding
Asic4	NM_183022	green4	0.808357345	0.919132499	protein_coding
Igf2bp2	NM_183029	green4	0.732676647	0.955471974	protein_coding
Defb40	NM_183039	green4	0.592613699	0.836686463	protein_coding
Tonsl	NM_183091	green4	0.680214391	0.954994353	protein_coding
Enthd2	NM_183137	green4	0.436768027	0.838328962	protein_coding
Fsd1	NM_183178	green4	0.824498416	0.835778056	protein_coding
Kcnv2	NM_183179	green4	0.691192031	0.861646694	protein_coding
Foxn3	NM_183186	green4	0.742398296	0.854693881	protein_coding
Rnf182	NM_183204	green4	0.815861562	0.912729975	protein_coding
Fat4	NM_183221	green4	0.767004458	0.923913862	protein_coding
Rnmtl1	NM_183263	green4	0.77255866	0.896820723	protein_coding
Kctd2	NM_183285	green4	0.663861042	0.802033393	protein_coding
Proser3	NM_183321	green4	0.707795758	0.854487154	protein_coding
D630045J12Rik	NM_194061	green4	0.748003945	0.957451621	protein_coding
Bms1	NM_194339	green4	0.713960266	0.950918314	protein_coding
Fam160b2	NM_194345	green4	0.638043432	0.855877728	protein_coding
AY358078	NM_194347	green4	0.523993636	0.816337126	protein_coding
Ddx39	NM_197982	green4	0.561002562	0.891053173	protein_coding
Trim37	NM_197987	green4	0.329305406	0.82609126	protein_coding
Tut1	NM_197993	green4	0.769421676	0.914481807	protein_coding
Zgrf1	NM_197997	green4	0.67046534	0.820290919	protein_coding
Cep78	NM_198019	green4	0.729583514	0.827706899	protein_coding
Tnrc6c	NM_198022	green4	0.545852767	0.890172369	protein_coding
Tubgcp3	NM_198031	green4	0.566401133	0.953376585	protein_coding
Zbtb39	NM_198035	green4	0.636067882	0.841266373	protein_coding

Tbkbp1	NM_198100	green4	0.770502993	0.843716252	protein_coding
Ssh1	NM_198109	green4	0.726681377	0.961257515	protein_coding
Lrrc24	NM_198119	green4	0.43950068	0.819367219	protein_coding
Gmeb2	NM_198169	green4	0.649105898	0.907160381	protein_coding
Zbtb40	NM_198248	green4	0.633615563	0.932765484	protein_coding
Lrrc4b	NM_198250	green4	0.559559408	0.844289426	protein_coding
Enkd1	NM_198299	green4	0.663790493	0.875099713	protein_coding
Eif5b	NM_198303	green4	0.715514788	0.90367907	protein_coding
Nup188	NM_198304	green4	0.680198281	0.958489187	protein_coding
Usp49	NM_198421	green4	0.646464164	0.953286162	protein_coding
Paqr3	NM_198422	green4	0.73985511	0.922676456	protein_coding
Bahcc1	NM_198423	green4	0.678990675	0.852972947	protein_coding
Ska3	NM_198605	green4	0.619705073	0.867915012	protein_coding
Aars2	NM_198608	green4	0.715041983	0.877086902	protein_coding
Mex3d	NM_198615	green4	0.605208134	0.824121878	protein_coding
Tsyp13	NM_198617	green4	0.715312354	0.807481385	protein_coding
Zc3h4	NM_198631	green4	0.703531162	0.901613555	protein_coding
Tigd3	NM_198634	green4	0.838200706	0.807429316	protein_coding
Tbc1d22b	NM_198647	green4	0.586713472	0.810321867	protein_coding
Hjurp	NM_198652	green4	0.599878927	0.876252083	protein_coding
Nsl1	NM_198654	green4	0.657679362	0.916658751	protein_coding
Adgrl3	NM_198702	green4	0.669528667	0.956580201	protein_coding
Lrrc75a	NM_198861	green4	0.933570678	0.87563427	protein_coding
Nlgn2	NM_198862	green4	0.596700393	0.923204783	protein_coding
Zbtb12	NM_198886	green4	0.77652803	0.888198593	protein_coding
Hn1l	NM_198937	green4	0.772615279	0.976733136	protein_coding
Bend3	NM_199028	green4	0.645643854	0.878835336	protein_coding
Cep135	NM_199032	green4	0.667041254	0.83440527	protein_coding
Tsen2	NM_199033	green4	0.702778326	0.962452937	protein_coding
Alg8	NM_199035	green4	0.530511278	0.901710168	protein_coding
Tmem199	NM_199199	green4	0.581113885	0.830061456	protein_coding
Rtn4rl2	NM_199223	green4	0.751705589	0.868802775	protein_coding
Tmem39b	NM_199305	green4	0.89485075	0.910481621	protein_coding
Dot1l	NM_199322	green4	0.630200222	0.909209527	protein_coding
Lzts1	NM_199364	green4	0.634402858	0.918028311	protein_coding
Rrp12	NM_199447	green4	0.777112856	0.948679277	protein_coding

Mms22l	NM_199467	green4	0.572241022	0.873658645	protein_coding
Cdh24	NM_199470	green4	0.805699524	0.932628371	protein_coding
Lrrc47	NM_201226	green4	0.7317253	0.86723483	protein_coding
Tssc1	NM_201357	green4	0.711770707	0.919865219	protein_coding
Xkr8	NM_201368	green4	0.785786762	0.913139115	protein_coding
Dennd4b	NM_201407	green4	0.468157358	0.836429033	protein_coding
Chd8	NM_201637	green4	0.762409756	0.961029945	protein_coding
Mettl14	NM_201638	green4	0.547903951	0.864780038	protein_coding
Dhx37	NM_203319	green4	0.531974352	0.833922256	protein_coding
Rwdd4a	NM_203507	green4	0.610026963	0.860767232	protein_coding
Crh	NM_205769	green4	0.809763631	0.853544686	protein_coding
H2afy2	NM_207000	green4	0.891305775	0.956523498	protein_coding
Ninl	NM_207204	green4	0.679550176	0.943606914	protein_coding
Igsf3	NM_207205	green4	0.489701185	0.835305501	protein_coding
Sec24b	NM_207209	green4	0.556507507	0.827775862	protein_coding
Acap3	NM_207223	green4	0.733913487	0.928342127	protein_coding
Zfp532	NM_207255	green4	0.740470847	0.953744212	protein_coding
Fndc3a	NM_207636	green4	0.739410002	0.852621053	protein_coding
Bex4	NM_212457	green4	0.742079524	0.900702994	protein_coding
Gm5088	NR_002862	green4	0.610488274	0.904013658	pseudogene
Rps4l	NR_003634	green4	0.708018856	0.918592138	pseudogene
A830082N09Rik	NR_015526	green4	0.694216317	0.868508697	lncRNA
9430076C15Rik	NR_015553	green4	0.688497816	0.888492866	protein_coding
Vaultrc5	NR_027885	green4	-0.766701184	-0.845814672	ncRNA
A930013F10Rik	NR_027886	green4	0.57202078	0.920539155	ncRNA
Zfp783	NR_027963	green4	0.733260242	0.893103448	pseudogene
Tmem181c-ps	NR_028305	green4	0.666107518	0.815961487	pseudo
Snora78	NR_028515	green4	0.32889681	0.811971351	snoRNA
Snord88c	NR_028534	green4	0.768711189	0.824989986	snoRNA
Snora7a	NR_028546	green4	0.654889693	0.886339655	snoRNA
Scarna9	NR_028568	green4	0.458580172	0.840868655	ncRNA
Mir190a	NR_029576	green4	0.410675384	0.804304264	miRNA
Mir222	NR_029807	green4	0.626549786	0.803213552	miRNA
Mir568	NR_030576	green4	-0.386908615	-0.802719488	miRNA
Snord4a	NR_030702	green4	0.336895686	0.821731686	snoRNA
Gm10789	NR_033476	green4	0.661398743	0.898691374	ncRNA

Tmem181b-ps	NR_033520	green4	0.675937102	0.848247232	pseudogene
Mir669e	NR_035426	green4	-0.572467756	-0.801985044	miRNA
1600027J07Rik	NR_036588	green4	0.8662844	0.8140673	lncRNA
Mir344e	NR_037284	green4	0.858752041	0.814326942	miRNA
Hmga2-ps1	NR_037996	green4	0.77969303	0.881906348	pseudo
AV051173	NR_040442	green4	0.932556156	0.824905201	ncRNA
1700024F13Rik	NR_045363	green4	0.673902188	0.891369652	lncRNA
B630019K06Rik	NR_045448	green4	0.742659459	0.889146054	protein_coding
Gm5124	NR_045668	green4	0.352028968	0.807623236	pseudogene
9330133O14Rik	NR_045696	green4	0.606750826	0.86663431	ncRNA
Gm9833	NR_045710	green4	0.67360315	0.809150896	protein_coding
E130310I04Rik	NR_045722	green4	-0.743975979	-0.876919874	lncRNA
Gm29766	NR_105032	green4	0.893416092	0.860314698	protein_coding
Mir6239	NR_105747	green4	0.661809438	0.847781287	miRNA
Mir6402	NR_105828	green4	0.713779451	0.904690445	miRNA
Mir6538	NR_105856	green4	0.678601493	0.816910322	miRNA
Mir7013	NR_105980	green4	0.73205665	0.912409226	miRNA
Mir8091	NR_106166	green4	0.320628146	0.832041662	miRNA
