

**Table S2: Pdx1 ChIP on chip data of global Pdx1 occupancy in Min6 cells (Mouse PromoterChip BCBC-5A platform)**

<b>ELEMENT_ID</b>	<b>NAME</b>	<b>SYMBOL</b>	<b>FC</b>	<b>FDR</b>
14116640	P206611 Akr1e1 ProximalPromoter	Akr1e1	6.355	0
14115425	P210248 Clstn3 ProximalPromoter	Clstn3	5.567	0
14125508	P209400 Vrk3 ProximalPromoter	Vrk3	4.884	0
14115718	P203317 Wdr23 ProximalPromoter	Wdr23	4.665	0
14111984	P202638 Dcps ProximalPromoter	Dcps	4.211	0
14119314	P100290 Ins1 ProximalPromoter	Ins1	4.087	0
14122256	P100933 Pkm2 ProximalPromoter	Pkm2	3.959	0.35
14128311	P203239 Rnf4 ProximalPromoter	Rnf4	3.848	0.46
14123808	P210809 Leprot ProximalPromoter	Leprot	3.811	0
14114117	P204894 Rfx1 ProximalPromoter	Rfx1	3.755	0.35
14117568	P209975 8430408G22Rik ProximalPromoter	8430408G22Rik	3.724	0
14117460	P204920 Scd2 ProximalPromoter	Scd2	3.61	0.5
14120795	P205194 Atf4 ProximalPromoter	Atf4	3.583	0
14126239	P205078 Tpp2 ProximalPromoter	Tpp2	3.555	0
14126222	P204576 Ins1 ProximalPromoter	Ins1	3.553	0
14129516	P203022 Hnrpl ProximalPromoter	Hnrpl	3.506	0
14122230	P100543 Pdcd10 ProximalPromoter	Pdcd10	3.477	1.2
14120915	P209132 Fbxw7 ProximalPromoter	Fbxw7	3.413	0
14121145	P207085 4930511A21Rik ProximalPromoter	4930511A21Rik	3.394	0
14110830	P209293 Tmem97 ProximalPromoter	Tmem97	3.347	0
14120341	P201351 Calu ProximalPromoter	Calu	3.336	0.57
14119907	P201683 Hnrpul1 ProximalPromoter	Hnrpul1	3.297	0
14119866	P201801 lft122 ProximalPromoter	lft122	3.267	0
14114238	P207507 Ccdc28b ProximalPromoter	Ccdc28b	3.263	0
14113721	P206550 Polg ProximalPromoter	Polg	3.258	0
14113654	P201325 Zfp672 ProximalPromoter	Zfp672	3.202	0.35
14112530	P209542 Mvd ProximalPromoter	Mvd	3.198	1.2
14115482	P210369 Rnf40 ProximalPromoter	Rnf40	3.169	0.35
14110162	P103341 Tomm40 ProximalPromoter	Tomm40	3.134	0
14124644	P210797 Tmem11 ProximalPromoter	Tmem11	3.108	0
14125078	P208798 Sp2 ProximalPromoter	Sp2	3.104	0
14121603	P203964 Zfp687 ProximalPromoter	Zfp687	3.089	0
14114799	P104692 Idh1 DistalPromoter	Idh1	3.069	0
14120847	P201157 St18 ProximalPromoter	St18	3.061	0
14112805	P201972 Lrrc48 ProximalPromoter	Lrrc48	3.019	0
14126266	P202925 Kctd7 ProximalPromoter	Kctd7	3.004	0
14124360	P102181 Calu ProximalPromoter	Calu	2.99	0.57
14119059	P203390 Rabl4 ProximalPromoter	Rabl4	2.986	0

14129839	P103598 Stk25 ProximalPromoter P202535 Arhgap12	Stk25	2.973	0.5
14113308	ProximalPromoter	Arhgap12	2.965	1.55
14120739	P203684 Stk40 ProximalPromoter	Stk40	2.953	0
14122576	P208378 Ddx54 ProximalPromoter P210578 D330028D13Rik	Ddx54	2.951	0
14123013	ProximalPromoter	D330028D13Rik	2.92	0
14114199	P209519 Nme7 ProximalPromoter P209368 2900010J23Rik	Nme7	2.916	0.35
14118787	ProximalPromoter	2900010J23Rik	2.912	0.35
14126172	P203021 Hsd12 ProximalPromoter P201236 A530088I07Rik	Hsd12	2.898	0.35
14119172	ProximalPromoter	A530088I07Rik	2.896	0
14112486	P201185 Eny2 ProximalPromoter P209510 6430706D22Rik	Eny2	2.884	1.2
14128411	ProximalPromoter P209807 AV249152	6430706D22Rik	2.884	1.02
14128839	ProximalPromoter P101047 Hsp90b1	AV249152	2.882	0
14120169	ProximalPromoter	Hsp90b1	2.876	0
14129566	P204577 Ins2 ProximalPromoter	Ins2	2.866	0.35
14114956	P204815 Ppgb ProximalPromoter P208603 1110008J03Rik	Ppgb	2.866	0.8
14130080	ProximalPromoter	1110008J03Rik	2.864	0.35
14122498	P206479 Wbp2 ProximalPromoter P203187 Pcdhgc3	Wbp2	2.84	0.35
14116159	ProximalPromoter P207141 Map3k11	Pcdhgc3	2.832	0.35
14125483	ProximalPromoter	Map3k11	2.828	0
14115406	P200648 ProximalPromoter P102088 Gabarapl2		2.823	1.71
14113077	ProximalPromoter	Gabarapl2	2.819	0
14125077	P208822 Mynn ProximalPromoter	Mynn	2.803	0
14116810	P101790 Leng4 ProximalPromoter	Leng4	2.742	0.5
14128789	P200869 Thnsl1 ProximalPromoter P201537 A330008L17Rik	Thnsl1	2.74	1.71
14114479	ProximalPromoter	A330008L17Rik	2.717	4.2
14123509	P101054 Trp53 ProximalPromoter P200603 5730437N04Rik	Trp53	2.691	0
14112060	ProximalPromoter P209761 Abhd11	5730437N04Rik	2.676	0.35
14115461	ProximalPromoter	Abhd11	2.665	1.2
14113395	P207367 Ormdl2 ProximalPromoter	Ormdl2	2.665	2.67
14128950	P102482 lpf1 ProximalPromoter P200355 2810417H13Rik	lpf1	2.663	9.95
14112510	ProximalPromoter	2810417H13Rik	2.659	0.35
14127708	P102176 C1qa ProximalPromoter	C1qa	2.641	0.35
14128432	P207589 Zwint ProximalPromoter	Zwint	2.617	0.57
14127057	P204517 Hes3 ProximalPromoter	Hes3	2.617	0
14116259	P210285 Gnn ProximalPromoter	Gnn	2.617	1.55
14125881	P200389 Tial1 ProximalPromoter P210590 Ccdc95	Tial1	2.604	1.55
14118833	ProximalPromoter P206349 Timm10	Ccdc95	2.578	1.02
14118315	ProximalPromoter	Timm10	2.554	0.35

14123778	P206097 Slc27a1 ProximalPromoter	Slc27a1	2.547	0.8
14114483	P201531 Scyl1bp1 ProximalPromoter	Scyl1bp1	2.533	2.14
14116721	P208436 2700097O09Rik ProximalPromoter	2700097O09Rik	2.533	1.02
14125438	P200651 Tspyl2 ProximalPromoter	Tspyl2	2.53	0
14124523	P201292 Il4ra ProximalPromoter	Il4ra	2.528	0.57
14116697	P207705 Ppp1r10 ProximalPromoter	Ppp1r10	2.525	2.14
14127977	P200225 0610009B22Rik ProximalPromoter	0610009B22Rik	2.523	0
14117482	P206379 Hspa14 ProximalPromoter	Hspa14	2.521	1.71
14125081	P207666 Etfdh ProximalPromoter	Etfdh	2.519	0.5
14121608	P202490 Ccpg1 ProximalPromoter	Ccpg1	2.514	1.02
14116607	P203725 R3hdm1 ProximalPromoter	R3hdm1	2.498	0.94
14114135	P206360 Schip1 ProximalPromoter	Schip1	2.483	1.71
14112508	P200313 2610510J17Rik ProximalPromoter	2610510J17Rik	2.455	1.55
14116743	P207277 Mesdc2 ProximalPromoter	Mesdc2	2.433	6.23
14114460	P207008 Sh3kbp1 ProximalPromoter	Sh3kbp1	2.43	3.35
14113348	P200294 Ppp1r7 ProximalPromoter	Ppp1r7	2.413	8.4
14115480	P208079 Gstm4 ProximalPromoter	Gstm4	2.41	1.55
14122403	P203391 Rab30 ProximalPromoter	Rab30	2.408	0
14119959	P201392 0610013E23Rik ProximalPromoter	0610013E23Rik	2.402	1.55
14127127	P207872 Narf ProximalPromoter	Narf	2.387	0.5
14116314	P208115 1500011H22Rik ProximalPromoter	1500011H22Rik	2.385	0.5
14116306	P207398 Hagh ProximalPromoter	Hagh	2.383	2.67
14127213	P210732 Mon1b ProximalPromoter	Mon1b	2.382	0
14123764	P200511 Lims1 ProximalPromoter	Lims1	2.373	0.5
14127470	P204439 Galr1 ProximalPromoter	Galr1	2.37	0.8
14126724	P200298 Mad2l2 ProximalPromoter	Mad2l2	2.347	4.2
14122645	P100705 Cct3 ProximalPromoter	Cct3	2.346	0
14128075	P100797 Got1 ProximalPromoter	Got1	2.328	1.2
14117925	P206107 Cops4 ProximalPromoter	Cops4	2.328	1.2
14125583	P100136 Dapk3 ProximalPromoter	Dapk3	2.326	0.8
14122474	P205364 Eif2b4 ProximalPromoter	Eif2b4	2.326	1.02
14129602	P206721 Gosr2 ProximalPromoter	Gosr2	2.325	1.71
14129427	P104750 Pkm2 DistalPromoter	Pkm2	2.321	0.5
14118798	P210177 Tom1l2 ProximalPromoter	Tom1l2	2.32	0.35
14114182	P200453 ProximalPromoter		2.317	0
14116639	P206635 Rnf5 ProximalPromoter	Rnf5	2.312	1.71
14111295	P207952 Cs ProximalPromoter	Cs	2.309	0.94
14128285	P205178 Ap3b1 ProximalPromoter	Ap3b1	2.305	8.4
14119730	P100146 Ddx5 ProximalPromoter	Ddx5	2.289	3.35
14124484	P202732 Utx ProximalPromoter	Utx	2.285	6.23
14130058	P208507 Prcp ProximalPromoter	Prcp	2.285	4.73
14121667	P206840 Cript ProximalPromoter	Cript	2.283	1.2
14122819	P205959 Ubb ProximalPromoter	Ubb	2.282	1.02

14129579	P205085 Rpl13a ProximalPromoter P102466 Pafah1b2	Rpl13a	2.267	3.35
14116410	ProximalPromoter	Pafah1b2	2.264	5.28
14122548	P207743 Mis12 ProximalPromoter	Mis12	2.263	6.23
14126487	P103981 Pde6c ProximalPromoter	Pde6c	2.256	5.28
14124584	P206572 Eif3s7 ProximalPromoter	Eif3s7	2.255	1.55
14127552	P209250 Mutyh ProximalPromoter P209699 D430028G21Rik	Mutyh	2.253	1.02
14128407	ProximalPromoter	D430028G21Rik	2.253	0.8
14117575	P209125 Dpf3 ProximalPromoter P202468 2700049P18Rik	Dpf3	2.252	0
14128297	ProximalPromoter	2700049P18Rik	2.25	0
14126159	P203136 Tbl2 ProximalPromoter	Tbl2	2.245	0.35
14122641	P101083 Zfp207 ProximalPromoter	Zfp207	2.242	0
14118760	P200794 Ptrh2 ProximalPromoter P208786 4632404H22Rik	Ptrh2	2.238	4.2
14127587	ProximalPromoter	4632404H22Rik	2.236	8.4
14120940	P209836 Setd4 ProximalPromoter	Setd4	2.236	0.57
14129564	P204625 Ldhd ProximalPromoter	Ldhd	2.235	0
14112260	P102861 Cbx5 ProximalPromoter	Cbx5	2.231	0.35
14113670	P203852 Cpt1a ProximalPromoter P209367 Nusap1	Cpt1a	2.225	0
14115443	ProximalPromoter	Nusap1	2.218	5.28
14111839	P103407 Rnf5 ProximalPromoter P102330 Hdgfrp2	Rnf5	2.215	4.2
14120596	ProximalPromoter	Hdgfrp2	2.215	0
14122160	P207455 Uqcrq ProximalPromoter	Uqcrq	2.213	2.67
14125050	P200443 Mesc2 ProximalPromoter	Mesc2	2.21	3.35
14123315	P205620 Mecp2 ProximalPromoter P207892 2310003F16Rik	Mecp2	2.205	0.5
14113768	ProximalPromoter	2310003F16Rik	2.202	6.23
14114156	P201137 Zcchc7 ProximalPromoter	Zcchc7	2.202	0
14123794	P200218 Exosc5 ProximalPromoter P207251 4733401H18Rik	Exosc5	2.201	0
14130124	ProximalPromoter	4733401H18Rik	2.199	4.2
14120500	P200022 Papd1 ProximalPromoter	Papd1	2.199	0
14120220	P104106 Insig1 ProximalPromoter P210773 Dcun1d3	Insig1	2.198	1.55
14124699	ProximalPromoter	Dcun1d3	2.198	2.67
14120378	P201285 Tnfaip1 ProximalPromoter	Tnfaip1	2.193	7.17
14117818	P202053 Syt1 ProximalPromoter	Syt1	2.192	0.46
14120774	P202454 Dbt ProximalPromoter	Dbt	2.189	0
14112216	P101314 Mcrs1 ProximalPromoter P200033 Timm17a	Mcrs1	2.186	3.35
14117991	ProximalPromoter	Timm17a	2.184	0.94
14118237	P201925 F8a ProximalPromoter P209372 D4Wsu114e	F8a	2.178	1.71
14112095	ProximalPromoter	D4Wsu114e	2.175	2.14
14111608	P204906 Polr2a ProximalPromoter	Polr2a	2.173	0.35
14120773	P202478 Tceal8 ProximalPromoter	Tceal8	2.17	0.94
14113674	P205264 Cdc45l ProximalPromoter	Cdc45l	2.169	0
14116765	P209019 Nolc1 ProximalPromoter	Nolc1	2.167	6.23
14125635	P102889 Igfbp4 ProximalPromoter	Igfbp4	2.16	1.2
14118295	P204932 Sdf2 ProximalPromoter	Sdf2	2.16	1.55

14128931	P101721 Mcam ProximalPromoter	Mcam	2.158	8.4
	P210088 BC025546			
14130137	ProximalPromoter	BC025546	2.158	1.2
	P100275 Hsp90ab1			
14127667	ProximalPromoter	Hsp90ab1	2.148	1.02
14127924	P206080 Decr2 ProximalPromoter	Decr2	2.147	0
14126229	P202660 Kbtbd3 ProximalPromoter	Kbtbd3	2.147	3.35
14129271	P209030 ProximalPromoter		2.145	1.02
14122449	P205675 Nfya ProximalPromoter	Nfya	2.142	2.14
14125845	P202624 Skiv2l2 ProximalPromoter	Skiv2l2	2.136	5.28
14125400	P205072 Top3a ProximalPromoter	Top3a	2.135	2.67
	P209874 BC020077			
14128462	ProximalPromoter	BC020077	2.132	0.5
14127742	P104054 BlvrB ProximalPromoter	BlvrB	2.132	2.14
	P203223 AI317395			
14114100	ProximalPromoter	AI317395	2.13	0
14113041	P100168 Ell ProximalPromoter	Ell	2.126	1.71
14126639	P203728 Gamt ProximalPromoter	Gamt	2.121	1.2
	P207477 Chchd5			
14115471	ProximalPromoter	Chchd5	2.117	1.71
14110858	P209445 Cbll1 ProximalPromoter	Cbll1	2.116	3.35
14114586	P210595 ProximalPromoter		2.116	0.46
	P207701 Txndc14			
14122546	ProximalPromoter	Txndc14	2.114	0
14117935	P207851 Mfap1 ProximalPromoter	Mfap1	2.114	1.2
	P101850 1110001A07Rik			
14119319	ProximalPromoter	1110001A07Rik	2.111	0.57
14110696	P203469 Chtf18 ProximalPromoter	Chtf18	2.111	6.23
14119562	P206227 Pax6 ProximalPromoter	Pax6	2.11	2.67
14110796	P206328 Vps45 ProximalPromoter	Vps45	2.105	1.02
14125932	P207365 Alg14 ProximalPromoter	Alg14	2.104	0.5
	P207858 Gramd3			
14121275	ProximalPromoter	Gramd3	2.104	0
14112452	P205598 M6pr ProximalPromoter	M6pr	2.098	0.94
14125697	P107164 Efna1 DistalPromoter	Efna1	2.094	4.2
14112545	P208441 Neil1 ProximalPromoter	Neil1	2.094	4.2
14112066	P200846 Abt1 ProximalPromoter	Abt1	2.092	3.35
	P209566 Hexim1			
14112529	ProximalPromoter	Hexim1	2.088	0.35
14127053	P205286 Cxcr4 ProximalPromoter	Cxcr4	2.088	1.71
14119889	P202169 Gcg ProximalPromoter	Gcg	2.086	0.8
	P106364 5730536A07Rik			
14117371	DistalPromoter	5730536A07Rik	2.086	1.71
14114640	P207928 Bxdc2 ProximalPromoter	Bxdc2	2.085	7.17
14127832	P202727 Mgea6 ProximalPromoter	Mgea6	2.083	0.46
14125084	P207594 ProximalPromoter		2.082	4.2
14124183	P202425 Rai17 ProximalPromoter	Rai17	2.082	1.02
	P202986 Akap12			
14128772	ProximalPromoter	Akap12	2.082	0.5
14124789	P103495 Acss2 ProximalPromoter	Acss2	2.079	4.2
14112504	P208465 Calr3 ProximalPromoter	Calr3	2.075	0
	P200668 2900073H19Rik			
14122925	ProximalPromoter	2900073H19Rik	2.075	0.5
	P208331 1200003M09Rik			
14125910	ProximalPromoter	1200003M09Rik	2.073	1.02

14112255	P103263 Gcat ProximalPromoter	Gcat	2.072	1.02
14115605	P102838 Gna13 ProximalPromoter	Gna13	2.071	3.35
14120405	P206559 Copg ProximalPromoter	Copg	2.069	0
	P209823 Oxnad1			
14118432	ProximalPromoter	Oxnad1	2.068	2.14
14111413	P103491 Tmeff2 ProximalPromoter	Tmeff2	2.066	7.17
14116681	P208527 Syvn1 ProximalPromoter	Syvn1	2.065	2.14
14115217	P104800 Sec61g DistalPromoter	Sec61g	2.063	3.35
14121917	P106727 Grn DistalPromoter	Grn	2.062	1.71
	P204043 Cybasc3			
14119518	ProximalPromoter	Cybasc3	2.062	0
	P210098 Tmem32			
14122613	ProximalPromoter	Tmem32	2.062	5.28
	P210258 B130050I23Rik			
14129640	ProximalPromoter	B130050I23Rik	2.058	0.5
14121320	P208027 Cdipt ProximalPromoter	Cdipt	2.058	1.71
14114408	P104962 DistalPromoter		2.056	6.23
14122468	P201381 Wdr37 ProximalPromoter	Wdr37	2.055	6.23
14124779	P101954 Vps28 ProximalPromoter	Vps28	2.053	3.35
14120988	P101737 Ppp1r7 ProximalPromoter	Ppp1r7	2.051	8.4
	P202302 Aldh5a1			
14114066	ProximalPromoter	Aldh5a1	2.051	1.02
	P208983 Pcdhgc4			
14119275	ProximalPromoter	Pcdhgc4	2.043	1.02
14113356	P208604 Armet ProximalPromoter	Armet	2.035	7.17
14112381	P201742 Cryl1 ProximalPromoter	Cryl1	2.034	4.73
14119645	P209744 Pitrm1 ProximalPromoter	Pitrm1	2.034	5.28
14124675	P209163 Baalc ProximalPromoter	Baalc	2.031	0.35
14117658	P101016 Sptlc2 ProximalPromoter	Sptlc2	2.031	1.55
	P209363 G431001I09Rik			
14122963	ProximalPromoter	G431001I09Rik	2.031	0.5
	P207422 X83328			
14116305	ProximalPromoter	X83328	2.029	5.28
14116027	P103012 Prkdc ProximalPromoter	Prkdc	2.022	4.2
14116605	P203773 Aph1c ProximalPromoter	Aph1c	2.018	6.23
14115299	P205963 Ufd1l ProximalPromoter	Ufd1l	2.014	0.57
	P103791 2610040C18Rik			
14111831	ProximalPromoter	2610040C18Rik	2.014	1.02
14120522	P210712 Alkbh5 ProximalPromoter	Alkbh5	2.014	0
14114315	P100991 Dhrr3 ProximalPromoter	Dhrr3	2.011	6.23
	P208327 1200006F02Rik			
14112534	ProximalPromoter	1200006F02Rik	2.01	0
	P200698 AI413782			
14119170	ProximalPromoter	AI413782	2.008	4.2
	P206722 Hsd17b12			
14112050	ProximalPromoter	Hsd17b12	2.008	2.67
14125769	P206211 Msh5 ProximalPromoter	Msh5	2.007	0.94
14113424	P208945 ProximalPromoter		2.006	1.71
14119332	P101064 Ufd1l ProximalPromoter	Ufd1l	2.004	0.35
	P100142 Gadd45a			
14125579	ProximalPromoter	Gadd45a	2.004	1.55
14116703	P208623 Spp2 ProximalPromoter	Spp2	2.001	1.71
	P206602 Smarcal1			
14123751	ProximalPromoter	Smarcal1	2	4.73
14121224	P205443 Gng4 ProximalPromoter	Gng4	1.994	0.8

14125212	P103393 Ap3m1 ProximalPromoter	Ap3m1	1.993	0.94
14124625	P207804 Dedd2 ProximalPromoter	Dedd2	1.99	2.67
14126358	P210555 B230312A22Rik ProximalPromoter	B230312A22Rik	1.989	1.71
14119992	P206417 Chek2 ProximalPromoter	Chek2	1.985	2.14
14111969	P201984 C030016D13Rik ProximalPromoter	C030016D13Rik	1.982	6.23
14121694	P209290 Fbxl15 ProximalPromoter	Fbxl15	1.982	0
14119714	P100914 Ntan1 ProximalPromoter	Ntan1	1.982	0
14114286	P100583 Tial1 ProximalPromoter	Tial1	1.978	1.71
14117895	P206594 Eef1b2 ProximalPromoter	Eef1b2	1.977	9.95
14129968	P205695 Oprs1 ProximalPromoter	Oprs1	1.971	1.71
14126525	P107327 Per1 DistalPromoter	Per1	1.97	5.28
14127063	P201359 Cpt1c ProximalPromoter	Cpt1c	1.967	8.4
14126730	P207684 Bzw2 ProximalPromoter	Bzw2	1.966	0.35
14112540	P208273 4632415L05Rik ProximalPromoter	4632415L05Rik	1.966	0.46
14123835	P207968 Atad1 ProximalPromoter	Atad1	1.966	0.46
14117467	P204846 ProximalPromoter		1.964	0.35
14112137	P210393 Nup88 ProximalPromoter	Nup88	1.963	0
14120437	P210633 Pigz ProximalPromoter	Pigz	1.962	7.17
14128348	P206327 Uxt ProximalPromoter	Uxt	1.96	0.35
14123506	P101408 Smarcal1 ProximalPromoter	Smarcal1	1.959	5.28
14120977	P100603 Rpl13a ProximalPromoter	Rpl13a	1.957	4.73
14116545	P202168 Zc3h6 ProximalPromoter	Zc3h6	1.956	7.17
14128800	P210277 AW049829 ProximalPromoter	AW049829	1.949	4.2
14116416	P102412 Ldhd ProximalPromoter	Ldhd	1.949	0.35
14113221	P201724 Slc4a10 ProximalPromoter	Slc4a10	1.948	0
14118747	P200630 Blcap ProximalPromoter	Blcap	1.945	8.4
14118667	P203200 Adar ProximalPromoter	Adar	1.945	0.5
14116223	P206790 Kcnp3 ProximalPromoter	Kcnp3	1.941	2.14
14118922	P102473 Pde6d ProximalPromoter	Pde6d	1.94	4.73
14125185	P101144 Cops4 ProximalPromoter	Cops4	1.936	0.46
14122612	P210030 Cbwd1 ProximalPromoter	Cbwd1	1.936	0.94
14119653	P207417 Sh3bp5l ProximalPromoter	Sh3bp5l	1.936	0.35
14117778	P203501 Plekhg6 ProximalPromoter	Plekhg6	1.935	4.2
14119074	P201714 E230015B07Rik ProximalPromoter	E230015B07Rik	1.933	0
14128725	P204995 Pdcd10 ProximalPromoter	Pdcd10	1.929	3.35
14125087	P207612 Ogfod2 ProximalPromoter	Ogfod2	1.929	1.2
14115793	P205581 Limk1 ProximalPromoter	Limk1	1.928	1.2
14113056	P101296 Mpp2 ProximalPromoter	Mpp2	1.928	0
14110413	P207812 Srpr ProximalPromoter	Srpr	1.928	2.67
14113669	P203876 Rhoq ProximalPromoter	Rhoq	1.923	0.94
14114253	P209900 Tmem34 ProximalPromoter	Tmem34	1.923	1.55
14120356	P203812 Paics ProximalPromoter	Paics	1.921	0.5
14114977	P206887 Sphk2 ProximalPromoter	Sphk2	1.917	7.17

14126354	P210354 Zcsl2 ProximalPromoter P201117 2810423E13Rik	Zcsl2	1.913	6.23
14127533	ProximalPromoter	2810423E13Rik	1.912	0.5
14126029	P102631 Top3a ProximalPromoter	Top3a	1.909	3.35
14124281	P209909 Parp3 ProximalPromoter P208372 Zswim1	Parp3	1.908	6.23
14122580	ProximalPromoter	Zswim1	1.908	5.28
14124402	P104047 Ndufs8 ProximalPromoter	Ndufs8	1.908	4.2
14113896	P100835 Id2 ProximalPromoter	Id2	1.907	1.71
14118778	P200896 Rfxdc1 ProximalPromoter	Rfxdc1	1.905	0.5
14121992	P203032 Nbr1 ProximalPromoter P103799 M6prbp1	Nbr1	1.905	0.57
14118553	ProximalPromoter P209636 AB041803	M6prbp1	1.904	0.35
14120886	ProximalPromoter	AB041803	1.904	0.94
14115734	P206190 Hspa1l ProximalPromoter	Hspa1l	1.904	2.67
14119691	P208147 Gtpbp4 ProximalPromoter	Gtpbp4	1.9	1.02
14129139	P204710 Myt1 ProximalPromoter	Myt1	1.897	4.2
14121210	P204473 Gpr3 ProximalPromoter P200763 A930037G23Rik	Gpr3	1.896	1.55
14116655	ProximalPromoter	A930037G23Rik	1.893	1.71
14117655	P101370 Slc7a8 ProximalPromoter	Slc7a8	1.891	8.4
14124824	P103477 Slc2a5 ProximalPromoter P104030 Aldh6a1	Slc2a5	1.888	0
14129829	ProximalPromoter P103722 Rps27a	Aldh6a1	1.887	1.71
14120190	ProximalPromoter	Rps27a	1.886	0.94
14116270	P200883 Casc1 ProximalPromoter	Casc1	1.883	1.55
14122863	P204020 Prmt1 ProximalPromoter	Prmt1	1.879	0
14117650	P101400 Eef1b2 ProximalPromoter	Eef1b2	1.876	9.95
14129617	P200664 Mrps31 ProximalPromoter P208644 1810054G18Rik	Mrps31	1.876	7.17
14125895	ProximalPromoter	1810054G18Rik	1.876	1.71
14123243	P201832 Cdca1 ProximalPromoter	Cdca1	1.871	0
14115124	P100733 Cops2 ProximalPromoter P202932 AI256775	Cops2	1.865	0.35
14128740	ProximalPromoter	AI256775	1.863	4.2
14114503	P203822 Lmo1 ProximalPromoter	Lmo1	1.863	3.35
14112494	P209585 Fus ProximalPromoter	Fus	1.862	1.02
14126463	P103261 Vps45 ProximalPromoter	Vps45	1.861	2.14
14123174	P105246 Rnase4 DistalPromoter	Rnase4	1.861	0.35
14126796	P210013 Atf7 ProximalPromoter	Atf7	1.856	4.73
14114973	P206391 Fbxo18 ProximalPromoter P208364 Rpusd1	Fbxo18	1.856	2.14
14116724	ProximalPromoter	Rpusd1	1.854	9.95
14119191	P208491 Eif3s12 ProximalPromoter	Eif3s12	1.854	9.95
14122405	P203343 Sfxn3 ProximalPromoter	Sfxn3	1.853	4.73
14114933	P203284 Ptges2 ProximalPromoter	Ptges2	1.853	0.35
14112479	P200768 Dbc1 ProximalPromoter	Dbc1	1.853	9.95
14112451	P205623 Mettl1 ProximalPromoter	Mettl1	1.852	6.23
14110420	P200256 Imp4 ProximalPromoter P200258 2010100O12Rik	Imp4	1.845	1.2
14117108	ProximalPromoter	2010100O12Rik	1.845	5.28
14119310	P100296 Stt3a ProximalPromoter	Stt3a	1.845	0.5



14119932	P204135 Art5 ProximalPromoter	Art5	1.844	5.28
14120770	P203904 Zbtb5 ProximalPromoter	Zbtb5	1.844	1.71
14121830	P101509 Tagln3 ProximalPromoter	Tagln3	1.84	4.2
	P209931 Cd3eap			
14114260	ProximalPromoter	Cd3eap	1.84	5.28
14123287	P204696 Mast2 ProximalPromoter	Mast2	1.839	0.46
	P201808 Rapgef3			
14123244	ProximalPromoter	Rapgef3	1.839	8.4
14122875	P204647 Ly6e ProximalPromoter	Ly6e	1.838	8.4
	P210040 Slc25a25			
14116759	ProximalPromoter	Slc25a25	1.835	0.5
14114178	P200459 Irf3 ProximalPromoter	Irf3	1.834	2.14
	P209984 Ccdc77			
14127634	ProximalPromoter	Ccdc77	1.834	3.35
	P100206 Slc37a4			
14116806	ProximalPromoter	Slc37a4	1.834	9.95
14111977	P200134 Asf1b ProximalPromoter	Asf1b	1.831	0
14117097	P207820 Ube3b ProximalPromoter	Ube3b	1.831	1.55
14124199	P209467 Adk ProximalPromoter	Adk	1.83	5.28
	P209603 Dennd4b			
14113363	ProximalPromoter	Dennd4b	1.829	0.8
14128776	P202980 Tbp ProximalPromoter	Tbp	1.828	0.8
	P208555 2210009G21Rik			
14130082	ProximalPromoter	2210009G21Rik	1.826	2.14
	P200925 Nudcd3			
14116272	ProximalPromoter	Nudcd3	1.825	7.17
14116241	P200660 Phf23 ProximalPromoter	Phf23	1.824	4.2
	P200153 Tsnaxip1			
14112808	ProximalPromoter	Tsnaxip1	1.821	5.28
14129384	P101883 Blzf1 ProximalPromoter	Blzf1	1.821	0.35
14128238	P106368 Gramd1a DistalPromoter	Gramd1a	1.821	0
14119585	P200661 Pard6a ProximalPromoter	Pard6a	1.82	3.35
14115814	P202597 Apip ProximalPromoter	Apip	1.82	4.73
14110311	P201300 Stch ProximalPromoter	Stch	1.819	1.55
	P101861 Serpinb1a			
14115139	ProximalPromoter	Serpinb1a	1.818	0.57
14119550	P205100 Vamp1 ProximalPromoter	Vamp1	1.818	0
	P206736 Mre11a			
14119573	ProximalPromoter	Mre11a	1.818	1.02
	P210361 Prkcbp1			
14129694	ProximalPromoter	Prkcbp1	1.815	1.55
	P210413 4930544G21Rik			
14118854	ProximalPromoter	4930544G21Rik	1.814	3.35
	P101785 2210013K02Rik			
14121024	ProximalPromoter	2210013K02Rik	1.814	2.14
14114738	P102370 Htf9c ProximalPromoter	Htf9c	1.814	1.2
14115117	P101093 Ets2 ProximalPromoter	Ets2	1.813	1.71
14117698	P102941 Mnt ProximalPromoter	Mnt	1.813	0.35
	P103036 Khdrbs1			
14116026	ProximalPromoter	Khdrbs1	1.809	5.28
	P103093 Tnfrsf1a			
14124794	ProximalPromoter	Tnfrsf1a	1.808	2.67
	P203707 4930451111Rik			
14115776	ProximalPromoter	4930451111Rik	1.806	1.2
14115571	P100949 Pscd3 ProximalPromoter	Pscd3	1.805	1.2

	P103876 Dnajb11			
14114787	ProximalPromoter	Dnajb11	1.805	7.17
14121853	P102264 Erh ProximalPromoter	Erh	1.804	4.2
14123776	P200989 Hook2 ProximalPromoter	Hook2	1.801	1.55
	P209444 Aldh6a1			
14127544	ProximalPromoter	Aldh6a1	1.8	2.14
14111595	P203228 Riok2 ProximalPromoter	Riok2	1.799	7.17
14115985	P101135 Poli ProximalPromoter	Poli	1.798	4.2
	P208804 2900092E17Rik			
14125074	ProximalPromoter	2900092E17Rik	1.795	0
	P200747 Neurod1			
14122512	ProximalPromoter	Neurod1	1.793	2.67
14115583	P102059 Rps27l ProximalPromoter	Rps27l	1.793	0
14117937	P207802 Hat1 ProximalPromoter	Hat1	1.789	2.14
14125253	P106901 Pla2g2c DistalPromoter	Pla2g2c	1.788	1.02
	P207523 Hspc171			
14128449	ProximalPromoter	Hspc171	1.786	0.57
14117940	P200252 Cox11 ProximalPromoter	Cox11	1.786	1.71
	P210071 6330581L23Rik			
14112582	ProximalPromoter	6330581L23Rik	1.785	5.28
14111377	P101560 Cript ProximalPromoter	Cript	1.785	1.2
14118674	P204249 Cidea ProximalPromoter	Cidea	1.785	6.23
14123960	P103147 Psmc4 ProximalPromoter	Psmc4	1.785	0.8
14123076	P100099 Cdc2l1 ProximalPromoter	Cdc2l1	1.785	1.55
	P202584 Ankmy2			
14113306	ProximalPromoter	Ankmy2	1.784	4.2
	P202906 Atp6v0d1			
14120723	ProximalPromoter	Atp6v0d1	1.783	9.95
	P200236 Aasdhppt			
14123797	ProximalPromoter	Aasdhppt	1.783	7.17
14120495	P209175 Nek8 ProximalPromoter	Nek8	1.779	1.71
	P201676 A630050E13Rik			
14116567	ProximalPromoter	A630050E13Rik	1.778	5.28
14116007	P101903 Rpl15 ProximalPromoter	Rpl15	1.775	9.95
	P203650 2810485I05Rik			
14128226	ProximalPromoter	2810485I05Rik	1.774	0.5
14119551	P205076 Tpi1 ProximalPromoter	Tpi1	1.773	3.35
14125062	P209631 Zfp119 ProximalPromoter	Zfp119	1.773	2.67
14121155	P203533 Avpi1 ProximalPromoter	Avpi1	1.772	7.17
	P200353 Cenpc1			
14126718	ProximalPromoter	Cenpc1	1.772	1.55
	P202594 Depdc1b			
14125850	ProximalPromoter	Depdc1b	1.77	1.02
	P209958 BC031781			
14120947	ProximalPromoter	BC031781	1.77	3.35
14115896	P209001 Pard3 ProximalPromoter	Pard3	1.77	1.71
14113080	P102016 Pnpla8 ProximalPromoter	Pnpla8	1.769	5.28
14123445	P210092 Zfp426 ProximalPromoter	Zfp426	1.769	0.35
	P103648 Atp6v1g2			
14115591	ProximalPromoter	Atp6v1g2	1.768	3.35
14122658	P100291 Ins2 ProximalPromoter	Ins2	1.767	0
	P206499 Ppp2r1a			
14130017	ProximalPromoter	Ppp2r1a	1.765	1.02
	P207967 4432405B04Rik			
14120491	ProximalPromoter	4432405B04Rik	1.764	3.35

14124227	P209710 Sgip1 ProximalPromoter	Sgip1	1.764	0.5
14114126	P204772 Pcx ProximalPromoter	Pcx	1.764	0.57
14122992	P207449 Krtcap2 ProximalPromoter	Krtcap2	1.763	8.4
	P202889 C630025C03			
14124102	ProximalPromoter	C630025C03	1.763	2.14
14121260	P200491 Tapbp ProximalPromoter	Tapbp	1.762	2.14
	P201097 BC005624			
14121685	ProximalPromoter	BC005624	1.761	8.4
	P209568 Slc25a36			
14119217	ProximalPromoter	Slc25a36	1.759	1.02
14114280	P101009 Sin3a ProximalPromoter	Sin3a	1.759	2.14
14117270	P103103 Ube1c ProximalPromoter	Ube1c	1.757	9.95
14125218	P103057 Smpd1 ProximalPromoter	Smpd1	1.757	1.55
14111536	P203451 Lrrc46 ProximalPromoter	Lrrc46	1.757	0.57
14124550	P204480 Rhpn1 ProximalPromoter	Rhpn1	1.757	0
14125853	P200730 Hook1 ProximalPromoter	Hook1	1.756	8.4
14119241	P208977 Prcc ProximalPromoter	Prcc	1.753	1.71
	P200503 Dcun1d5			
14120424	ProximalPromoter	Dcun1d5	1.751	4.2
	P202404 E230022H04Rik			
14114148	ProximalPromoter	E230022H04Rik	1.751	0.94
14113519	P102928 Psmb8 ProximalPromoter	Psmb8	1.751	0
14124553	P204498 Guk1 ProximalPromoter	Guk1	1.747	0
	P103237 Trappc3			
14126464	ProximalPromoter	Trappc3	1.747	4.2
	P208697 1700022C21Rik			
14121316	ProximalPromoter	1700022C21Rik	1.747	1.02
14123268	P201411 Mcm4 ProximalPromoter	Mcm4	1.746	1.55
14114336	P101783 Zfp306 ProximalPromoter	Zfp306	1.745	2.14
14113765	P200233 Tprkb ProximalPromoter	Tprkb	1.745	3.35
14115825	P200721 Cstad ProximalPromoter	Cstad	1.744	2.14
	P202874 2810426N06Rik			
14114906	ProximalPromoter	2810426N06Rik	1.742	1.55
	P206936 Gabarapl1			
14118345	ProximalPromoter	Gabarapl1	1.741	8.4
14114451	P202753 Mettl4 ProximalPromoter	Mettl4	1.741	4.2
14128108	P100827 Hnrpa1 ProximalPromoter	Hnrpa1	1.741	4.73
14129757	P100179 Etv1 ProximalPromoter	Etv1	1.741	1.55
14128835	P209813 Myl4 ProximalPromoter	Myl4	1.74	1.71
14128012	P208023 Rpa3 ProximalPromoter	Rpa3	1.739	8.4
	P202455 4930469P12Rik			
14124118	ProximalPromoter	4930469P12Rik	1.739	0.46
14118646	P203079 Dhx29 ProximalPromoter	Dhx29	1.739	0.8
	P208660 4930431B11Rik			
14117138	ProximalPromoter	4930431B11Rik	1.737	5.28
14115756	P205703 PcnA ProximalPromoter	Pcna	1.736	4.2
14116711	P209598 Cdc26 ProximalPromoter	Cdc26	1.736	5.28
14113615	P202766 Stip1 ProximalPromoter	Stip1	1.73	1.71
14128263	P203674 Rab2b ProximalPromoter	Rab2b	1.729	4.2
	P208299 3110023G01Rik			
14119227	ProximalPromoter	3110023G01Rik	1.728	0.8
14112743	P106265 Eif4e3 DistalPromoter	Eif4e3	1.728	0
14119045	P106489 Ndufs8 DistalPromoter	Ndufs8	1.728	7.17
14110324	P203808 Mrpl32 ProximalPromoter	Mrpl32	1.724	0.8

14124340	P101354 Cks1b ProximalPromoter	Cks1b	1.723	6.23
14129776	P101301 Nsbp1 ProximalPromoter	Nsbp1	1.723	1.02
14126244	P205840 St3gal5 ProximalPromoter	St3gal5	1.722	0
14116641	P206495 Cnot4 ProximalPromoter	Cnot4	1.721	4.2
14116675	P209549 Tst ProximalPromoter	Tst	1.72	5.28
14110581	P103125 Zfp148 ProximalPromoter	Zfp148	1.72	2.67
14119328	P101442 Cacng4 ProximalPromoter	Cacng4	1.717	5.28
14115792	P205606 Ccndbp1 ProximalPromoter	Ccndbp1	1.716	1.71
14121993	P203099 4930579K19Rik ProximalPromoter	4930579K19Rik	1.716	2.67
14122830	P203989 Bmyc ProximalPromoter	Bmyc	1.715	1.71
14126741	P209558 Nap1l3 ProximalPromoter	Nap1l3	1.714	4.2
14122105	P206313 Cdk2ap1 ProximalPromoter	Cdk2ap1	1.714	0.94
14111226	P200537 Prpf3 ProximalPromoter	Prpf3	1.711	1.55
14129102	P201723 Tmem16k ProximalPromoter	Tmem16k	1.709	2.14
14120162	P101407 Nup210 ProximalPromoter	Nup210	1.708	1.55
14127592	P207607 Ormdl3 ProximalPromoter	Ormdl3	1.706	9.95
14121217	P205522 Igfbp4 ProximalPromoter	Igfbp4	1.706	2.14
14111327	P210763 Slc43a2 ProximalPromoter	Slc43a2	1.706	9.95
14118279	P203236 2410091C18Rik ProximalPromoter	2410091C18Rik	1.705	7.17
14116185	P204979 Sstr3 ProximalPromoter	Sstr3	1.705	6.23
14120374	P204485 Grn ProximalPromoter	Grn	1.704	9.95
14117862	P204478 Gpx3 ProximalPromoter	Gpx3	1.703	0.35
14125941	P207243 Usmg5 ProximalPromoter	Usmg5	1.703	1.71
14122594	P207309 Sars2 ProximalPromoter	Sars2	1.702	6.23
14116430	P103564 Rpl35a ProximalPromoter	Rpl35a	1.699	7.17
14129619	P200614 Dhx38 ProximalPromoter	Dhx38	1.698	1.02
14111727	P207566 Pnkd ProximalPromoter	Pnkd	1.698	7.17
14116566	P201700 Tmem153 ProximalPromoter	Tmem153	1.697	0.46
14128384	P209244 Acot8 ProximalPromoter	Acot8	1.695	6.23
14116817	P101430 Pabpn1 ProximalPromoter	Pabpn1	1.695	4.73
14122864	P203995 Mrpl46 ProximalPromoter	Mrpl46	1.695	1.71
14125989	P100706 Cct6a ProximalPromoter	Cct6a	1.693	5.28
14116995	P202815 4833418A01Rik ProximalPromoter	4833418A01Rik	1.692	6.23
14118658	P201962 Amph ProximalPromoter	Amph	1.691	2.14
14126554	P201803 2810012G03Rik ProximalPromoter	2810012G03Rik	1.691	0.35
14130051	P209553 Med9 ProximalPromoter	Med9	1.691	0.5
14117841	P204352 Eif4e ProximalPromoter	Eif4e	1.69	7.17
14117983	P207954 Tceb1 ProximalPromoter	Tceb1	1.69	5.28
14119357	P103451 Gosr2 ProximalPromoter	Gosr2	1.69	5.28
14121835	P101479 Adar ProximalPromoter	Adar	1.689	1.02
14121276	P207834 Mtfr1 ProximalPromoter	Mtfr1	1.688	0.57
14115394	P206723 Shoc2 ProximalPromoter	Shoc2	1.686	3.35

14115971	P101855 Bccip ProximalPromoter	Bccip	1.686	1.55
14116644	P206422 Mpp2 ProximalPromoter	Mpp2	1.685	0
14112585	P209031 Kihl1 ProximalPromoter	Kihl1	1.685	4.2
14126447	P102439 Mrg2 ProximalPromoter	Mrg2	1.685	9.95
14125920	P208379 D1Bwg0212e ProximalPromoter	D1Bwg0212e	1.684	0
14126623	P205718 Pip5k3 ProximalPromoter	Pip5k3	1.684	8.4
14119529	P204980 Snca ProximalPromoter	Snca	1.683	8.4
14119798	P104003 Eif3s3 ProximalPromoter	Eif3s3	1.682	0
14117406	P202309 Lrrc41 ProximalPromoter	Lrrc41	1.677	7.17
14129987	P203723 Camta2 ProximalPromoter	Camta2	1.677	8.4
14126268	P202967 Kif4 ProximalPromoter	Kif4	1.676	7.17
14114601	P200221 Slc25a35 ProximalPromoter	Slc25a35	1.676	6.23
14113349	P207710 Rassf7 ProximalPromoter	Rassf7	1.672	4.2
14125782	P204106 Abcd1 ProximalPromoter	Abcd1	1.672	2.14
14123511	P101006 Shc1 ProximalPromoter	Shc1	1.671	1.71
14118738	P206724 Shoc2 ProximalPromoter	Shoc2	1.671	0
14128971	P103274 Hnf4g ProximalPromoter	Hnf4g	1.67	0.57
14114993	P201101 6330505F04Rik ProximalPromoter	6330505F04Rik	1.669	6.23
14128128	P101925 Tceal8 ProximalPromoter	Tceal8	1.669	1.71
14113240	P204139 Atm ProximalPromoter	Atm	1.668	1.55
14125650	P104017 Pdk2 ProximalPromoter	Pdk2	1.666	3.35
14127288	P101943 Serbp1 ProximalPromoter	Serbp1	1.666	0
14116012	P103756 1810011O16Rik ProximalPromoter	1810011O16Rik	1.663	0.94
14110106	P100594 Tpp2 ProximalPromoter	Tpp2	1.663	7.17
14114733	P100799 Emb ProximalPromoter	Emb	1.663	4.73
14113956	P103486 Akap8 ProximalPromoter	Akap8	1.662	8.4
14110372	P206580 Scap2 ProximalPromoter	Scap2	1.662	6.23
14126304	P200928 Zfp473 ProximalPromoter	Zfp473	1.662	5.28
14119567	P206791 Tmeff2 ProximalPromoter	Tmeff2	1.662	9.95
14121221	P205516 Idh1 ProximalPromoter	Idh1	1.661	6.23
14111832	P103767 Rpl15 ProximalPromoter	Rpl15	1.661	9.95
14118387	P208777 Hist3h2ba ProximalPromoter	Hist3h2ba	1.66	0.8
14129091	P203393 Tbc1d17 ProximalPromoter	Tbc1d17	1.659	1.2
14110981	P102531 Ptbp1 ProximalPromoter	Ptbp1	1.657	8.4
14114329	P102154 Atp5g1 ProximalPromoter	Atp5g1	1.657	2.67
14113918	P101603 Dnajc4 ProximalPromoter	Dnajc4	1.657	7.17
14120948	P209933 Ranbp10 ProximalPromoter	Ranbp10	1.655	8.4
14111610	P204856 Ptpn ProximalPromoter	Ptpn	1.654	2.14
14115512	P208134 Stoml1 ProximalPromoter	Stoml1	1.654	0
14128023	P200036 1110001A07Rik ProximalPromoter	1110001A07Rik	1.653	9.95
14129103	P201698 Phtf2 ProximalPromoter	Phtf2	1.652	1.71
14121268	P200976 Igsf1 ProximalPromoter	Igsf1	1.652	1.55
14118517	P103841 2410016F19Rik ProximalPromoter	2410016F19Rik	1.652	3.35
14110725	P202909 Kif20a ProximalPromoter	Kif20a	1.651	4.73

14122273	P102103 Tmem59 ProximalPromoter	Tmem59	1.651	4.2
	P209300 Arhgap27			
14114170	ProximalPromoter	Arhgap27	1.649	1.02
14118500	P102671 Zfpm1 ProximalPromoter	Zfpm1	1.649	8.4
14129796	P102027 Uqcrb ProximalPromoter	Uqcrb	1.648	4.2
14124098	P202305 Smcr8 ProximalPromoter	Smcr8	1.647	2.14
14125014	P206859 Gart ProximalPromoter	Gart	1.647	8.4
14119868	P201750 Stxbp5l ProximalPromoter	Stxbp5l	1.647	4.2
14121247	P201635 ProximalPromoter		1.646	0
14115057	P208922 Wasf1 ProximalPromoter	Wasf1	1.645	0.57
14118479	P101868 Nicn1 ProximalPromoter	Nicn1	1.645	1.02
14112017	P202668 Gloxd1 ProximalPromoter	Gloxd1	1.645	6.23
14122828	P203020 Ptdss1 ProximalPromoter	Ptdss1	1.643	0.94
	P103893 2810417H13Rik			
14110603	ProximalPromoter	2810417H13Rik	1.643	1.71
14124621	P207810 Fundc2 ProximalPromoter	Fundc2	1.643	4.2
14119134	P205357 Opn3 ProximalPromoter	Opn3	1.641	3.35
14120486	P207991 Yif1a ProximalPromoter	Yif1a	1.641	2.14
14122519	P201255 ProximalPromoter		1.639	5.28
14113794	P208659 Giyd2 ProximalPromoter	Giyd2	1.638	9.95
14125355	P203202 Thbd ProximalPromoter	Thbd	1.638	6.23
14128720	P205025 Syt4 ProximalPromoter	Syt4	1.636	8.4
14120842	P202352 Zfp668 ProximalPromoter	Zfp668	1.635	9.95
14117652	P101352 Cd164 ProximalPromoter	Cd164	1.634	5.28
14124354	P102517 Ppgb ProximalPromoter	Ppgb	1.634	1.02
14115975	P101849 Acy1 ProximalPromoter	Acy1	1.63	2.14
14129222	P208519 Pop7 ProximalPromoter	Pop7	1.63	2.14
14112670	P103425 Refbp2 ProximalPromoter	Refbp2	1.63	0.57
14114311	P101369 ProximalPromoter		1.63	1.55
14126678	P206468 Pdlim3 ProximalPromoter	Pdlim3	1.63	4.2
14124408	P104911 Bcap31 DistalPromoter	Bcap31	1.63	7.17
14123201	P105826 Insl3 DistalPromoter	Insl3	1.629	2.67
14119531	P204646 Blnk ProximalPromoter	Blnk	1.627	0.46
14128799	P210301 Mylip ProximalPromoter	Mylip	1.626	0
14127656	P101013 Snrp1c ProximalPromoter	Snrp1c	1.626	0.8
	P202067 Tmem109			
14123670	ProximalPromoter	Tmem109	1.626	1.71
14117828	P201508 Sfxn5 ProximalPromoter	Sfxn5	1.623	7.17
14117674	P102131 Adh1 ProximalPromoter	Adh1	1.622	9.95
14127777	P105134 Ankrd49 DistalPromoter	Ankrd49	1.62	7.17
14119667	P210328 Klhl26 ProximalPromoter	Klhl26	1.62	3.35
14112800	P202002 Amacr ProximalPromoter	Amacr	1.619	9.95
14124597	P200571 Pop1 ProximalPromoter	Pop1	1.618	4.73
14120830	P206877 Aamp ProximalPromoter	Aamp	1.618	4.2
14128864	P210319 Abcc10 ProximalPromoter	Abcc10	1.617	1.71
	P209235 Slc24a6			
14118356	ProximalPromoter	Slc24a6	1.617	0.8
14125857	P200724 Polq ProximalPromoter	Polq	1.617	1.2
14117989	P200081 Serbp1 ProximalPromoter	Serbp1	1.616	0
14128347	P206352 Fbxl6 ProximalPromoter	Fbxl6	1.614	1.02
14126908	P104108 Cpt1c ProximalPromoter	Cpt1c	1.612	9.95
14122026	P204056 Afmid ProximalPromoter	Afmid	1.611	2.14
14122876	P204623 Arhgef1	Arhgef1	1.61	1.2

	ProximalPromoter P101506 Pdcd10			
14111798	ProximalPromoter	Pdcd10	1.609	6.23
14111865	P103797 Eif4e3 ProximalPromoter P209643 Tmem63a	Eif4e3	1.607	9.95
14120882	ProximalPromoter	Tmem63a	1.604	7.17
14128009	P208005 Mrpl24 ProximalPromoter	Mrpl24	1.603	9.95
14116210	P205885 Stat3 ProximalPromoter P207476 Tomm7	Stat3	1.602	0
14112127	ProximalPromoter P209892 Tmem159	Tomm7	1.602	9.95
14128465	ProximalPromoter	Tmem159	1.601	3.35
14122253	P101287 Ahcy ProximalPromoter	Ahcy	1.6	7.17
14127902	P201275 Bcas3 ProximalPromoter	Bcas3	1.6	8.4
14123912	P100016 Agt ProximalPromoter P208261 4933434E20Rik	Agt	1.599	1.55
14116720	ProximalPromoter P204976 Ighmbp2	4933434E20Rik	1.599	9.95
14125378	ProximalPromoter P209721 BC019943	Ighmbp2	1.598	6.23
14122990	ProximalPromoter	BC019943	1.598	8.4
14115144	P101459 Ensa ProximalPromoter	Ensa	1.598	0.35
14129269	P207775 Med31 ProximalPromoter	Med31	1.597	5.28
14111391	P100840 ProximalPromoter P208730 2410166I05Rik		1.595	1.55
14110447	ProximalPromoter	2410166I05Rik	1.594	0.94
14115839	P209561 Mthfd1 ProximalPromoter P208090 1110012L19Rik	Mthfd1	1.594	6.23
14112971	ProximalPromoter	1110012L19Rik	1.594	4.2
14127596	P207601 Rdm1 ProximalPromoter	Rdm1	1.593	0
14114888	P202434 Pop4 ProximalPromoter	Pop4	1.592	1.2
14117633	P100602 Mpst ProximalPromoter	Mpst	1.592	6.23
14119247	P207381 Mrpl28 ProximalPromoter	Mrpl28	1.592	9.95
14117440	P204388 Fbl ProximalPromoter P203056 Gabpb2	Fbl	1.589	1.55
14121991	ProximalPromoter	Gabpb2	1.589	2.67
14113637	P202089 Huwe1 ProximalPromoter	Huwe1	1.588	1.02
14121061	P103692 Rdh14 ProximalPromoter	Rdh14	1.587	9.95
14120900	P208759 Mllt3 ProximalPromoter P200124 1600014C10Rik	Mllt3	1.586	9.95
14119501	ProximalPromoter	1600014C10Rik	1.586	7.17
14126755	P208391 Ddx42 ProximalPromoter	Ddx42	1.584	1.2
14128364	P202390 Bet1 ProximalPromoter P209989 Tcp11I2	Bet1	1.584	0.8
14125091	ProximalPromoter	Tcp11I2	1.583	5.28
14112869	P205902 Tacc3 ProximalPromoter	Tacc3	1.582	8.4
14123003	P208093 Deb1 ProximalPromoter	Deb1	1.582	4.2
14129911	P106433 Klf16 DistalPromoter	Klf16	1.582	1.55
14127722	P103328 Pdlim3 ProximalPromoter P207513 1810021J13Rik	Pdlim3	1.581	5.28
14115077	ProximalPromoter P101879 Hspc171	1810021J13Rik	1.578	1.02
14116008	ProximalPromoter	Hspc171	1.576	3.35
14119342	P102605 Tapbp ProximalPromoter	Tapbp	1.576	6.23
14112699	P103833 Nt5c3 ProximalPromoter	Nt5c3	1.575	4.2

14123965	P102745 Cish ProximalPromoter P101668 2210009G21Rik	Cish	1.574	3.35
14112213	ProximalPromoter	2210009G21Rik	1.572	2.14
14114076	P203956 Zfp319 ProximalPromoter P202428 4732496O08Rik	Zfp319	1.571	5.28
14114147	ProximalPromoter P207735 2310039H08Rik	4732496O08Rik	1.571	7.17
14116730	ProximalPromoter	2310039H08Rik	1.57	2.14
14115327	P202663 Nucks1 ProximalPromoter P209206 Rtn4ip1	Nucks1	1.57	0
14120528	ProximalPromoter	Rtn4ip1	1.57	6.23
14128448	P207547 Mcts2 ProximalPromoter	Mcts2	1.569	3.35
14125817	P205390 Fem1b ProximalPromoter	Fem1b	1.568	4.2
14116992	P201520 ProximalPromoter		1.566	0.8
14124492	P207011 Ap4m1 ProximalPromoter	Ap4m1	1.566	8.4
14123918	P101552 Fkbpl ProximalPromoter P206853 C1qtnf1	Fkbpl	1.565	9.95
14124175	ProximalPromoter	C1qtnf1	1.565	4.2
14122811	P203141 Pigp ProximalPromoter	Pigp	1.565	2.67
14114369	P104068 Ldlrap1 ProximalPromoter	Ldlrap1	1.565	0.5
14121895	P103848 Pnpla8 ProximalPromoter	Pnpla8	1.563	1.02
14116593	P205667 Sept2 ProximalPromoter P208643 1700025E21Rik	2-Sep	1.562	4.73
14122551	ProximalPromoter P210165 Mapre2	1700025E21Rik	1.562	2.67
14119634	ProximalPromoter	Mapre2	1.562	7.17
14126777	P207231 Nono ProximalPromoter P206008 Capn10	Nono	1.56	5.28
14119473	ProximalPromoter	Capn10	1.558	2.14
14127699	P102584 Slc2a4 ProximalPromoter	Slc2a4	1.558	2.14
14123871	P209231 Mtmr4 ProximalPromoter	Mtmr4	1.557	4.2
14115670	P105614 Pvrl3 DistalPromoter	Pvrl3	1.557	3.35
14118061	P101568 Hacl1 ProximalPromoter	Hacl1	1.557	0.5
14122131	P209369 Magi3 ProximalPromoter P210725 C030048B08Rik	Magi3	1.557	3.35
14124701	ProximalPromoter	C030048B08Rik	1.556	3.35
14125106	P207498 Mrps28 ProximalPromoter P101845 1110005A23Rik	Mrps28	1.556	4.73
14121824	ProximalPromoter	1110005A23Rik	1.555	3.35
14126675	P206450 Rap2ip ProximalPromoter	Rap2ip	1.555	8.4
14128334	P204770 Pcp4 ProximalPromoter	Pcp4	1.555	5.28
14120860	P209254 Asb6 ProximalPromoter	Asb6	1.554	9.95
14122793	P203038 Wdfy2 ProximalPromoter	Wdfy2	1.553	3.35
14128982	P102818 Fos ProximalPromoter	Fos	1.553	2.67
14112409	P204120 Birc2 ProximalPromoter	Birc2	1.553	4.73
14113260	P204662 Mcm7 ProximalPromoter P206767 Gabarap	Mcm7	1.551	0
14119568	ProximalPromoter	Gabarap	1.55	7.17
14127307	P102794 Eif2ak3 ProximalPromoter	Eif2ak3	1.549	5.28
14125477	P207195 Nif3l1 ProximalPromoter	Nif3l1	1.548	1.2
14110146	P102519 Ppox ProximalPromoter	Ppox	1.546	7.17
14124799	P102781 Ddx3x ProximalPromoter	Ddx3x	1.545	6.23
14123060	P100867 Ldlr ProximalPromoter	Ldlr	1.545	0
14124633	P200224 Qpctl ProximalPromoter	Qpctl	1.543	8.4



14126037	P102247 Dll3 ProximalPromoter P207683 1110004B13Rik	Dll3	1.543	1.55
14123386	ProximalPromoter	1110004B13Rik	1.543	4.73
14124558	P201274 Cdh7 ProximalPromoter	Cdh7	1.542	0.94
14115308	P202016 Lfn5 ProximalPromoter	Lfn5	1.542	8.4
14121201	P205272 Cebpz ProximalPromoter P208130 1810011O10Rik	Cebpz	1.541	9.95
14122166	ProximalPromoter P209404 Unc45a	1810011O10Rik	1.541	6.23
14119621	ProximalPromoter	Unc45a	1.541	7.17
14116599	P204694 Mtap1b ProximalPromoter	Mtap1b	1.54	5.28
14118768	P210273 Pcsk9 ProximalPromoter	Pcsk9	1.539	5.28
14122444	P205705 Pctk1 ProximalPromoter	Pctk1	1.539	5.28
14112445	P205380 Eya1 ProximalPromoter P210686 D430020F16	Eya1	1.539	0
14113781	ProximalPromoter	D430020F16	1.538	0.5
14125687	P107290 Mnt DistalPromoter	Mnt	1.538	1.55
14128413	P209462 Kctd9 ProximalPromoter P101650 Rnase4	Kctd9	1.537	1.71
14112210	ProximalPromoter	Rnase4	1.534	0
14129998	P205354 Ebf2 ProximalPromoter	Ebf2	1.534	6.23
14129228	P200318 Dus4l ProximalPromoter	Dus4l	1.534	9.95
14114515	P204549 Idh3g ProximalPromoter	Idh3g	1.534	6.23
14126230	P202636 Gtpbp8 ProximalPromoter	Gtpbp8	1.533	6.23
14112267	P106604 Bcl6b DistalPromoter P101534 Tmem59	Bcl6b	1.533	5.28
14125173	ProximalPromoter P207338 Mageh1	Tmem59	1.532	7.17
14119245	ProximalPromoter	Mageh1	1.532	2.14
14113300	P206421 Park2 ProximalPromoter	Park2	1.532	9.95
14120039	P207754 Zmat5 ProximalPromoter	Zmat5	1.532	8.4
14119257	P207235 Znrd1 ProximalPromoter P205814 S100a1	Znrd1	1.532	1.2
14117881	ProximalPromoter P209912 Ndufb11	S100a1	1.532	9.95
14115062	ProximalPromoter	Ndufb11	1.529	5.28
14121641	P204884 Rbm4 ProximalPromoter	Rbm4	1.529	5.28
14122525	P206657 Ptgds2 ProximalPromoter	Ptgds2	1.529	6.23
14126054	P103045 Frzb ProximalPromoter	Frzb	1.529	9.95
14127606	P209060 Mrpl1 ProximalPromoter	Mrpl1	1.528	1.2
14114756	P103516 Son ProximalPromoter	Son	1.528	9.95
14119077	P206215 Mx2 ProximalPromoter	Mx2	1.527	5.28
14119856	P105857 Klf10 DistalPromoter P200457 Cacybp	Klf10	1.526	8.4
14127558	ProximalPromoter	Cacybp	1.525	9.95
14118858	P208086 Vps25 ProximalPromoter	Vps25	1.524	7.17
14126503	P106981 Cdk5 DistalPromoter	Cdk5	1.524	3.35
14122430	P202213 Tpbg ProximalPromoter	Tpbg	1.524	4.73
14129764	P100101 Cdk5 ProximalPromoter	Cdk5	1.523	4.2
14120742	P201920 Arsk ProximalPromoter P207801 2410016F19Rik	Arsk	1.523	1.55
14114593	ProximalPromoter	2410016F19Rik	1.522	4.73
14115356	P204627 Lfng ProximalPromoter	Lfng	1.521	4.2
14119144	P206630 Exosc9 ProximalPromoter	Exosc9	1.521	8.4

14122648	P100723 Cish ProximalPromoter	Cish	1.52	3.35
14122410	P201770 Trub2 ProximalPromoter P210559 Prpf38a	Trub2	1.52	0.35
14118838	ProximalPromoter	Prpf38a	1.519	2.14
14120790	P203267 Derl1 ProximalPromoter P210747 Csnk1g1	Derl1	1.518	6.23
14118012	ProximalPromoter	Csnk1g1	1.516	0.8
14119581	P200667 Mcm8 ProximalPromoter	Mcm8	1.516	4.2
14121804	P101119 Srp54 ProximalPromoter	Srp54	1.516	5.28
14117808	P207003 Rqcd1 ProximalPromoter	Rqcd1	1.515	2.14
14125104	P207546 Nudt2 ProximalPromoter	Nudt2	1.515	9.95
14110842	P208860 Acox3 ProximalPromoter	Acox3	1.513	5.28
14121979	P203147 Elp3 ProximalPromoter P210162 Slc18a1	Elp3	1.513	0.94
14129632	ProximalPromoter	Slc18a1	1.512	6.23
14113258	P204711 Myt1l ProximalPromoter	Myt1l	1.51	4.2
14129254	P208332 Osbp13 ProximalPromoter	Osbp13	1.509	4.2
14114340	P103660 Kntc2 ProximalPromoter P209910 Rnu3ip2	Kntc2	1.508	0.35
14127625	ProximalPromoter	Rnu3ip2	1.508	9.95
14129558	P204965 Slbp ProximalPromoter	Slbp	1.508	6.23
14112145	P210588 Dctn5 ProximalPromoter	Dctn5	1.507	6.23
14126064	P106700 Fundc2 DistalPromoter	Fundc2	1.506	6.23
14124535	P203825 Zfp184 ProximalPromoter P208187 Tnfaip8l2	Zfp184	1.505	7.17
14111315	ProximalPromoter	Tnfaip8l2	1.505	1.71
14118523	P103415 Ndufb11 P209441 AW011752	Ndufb11	1.505	4.2
14117512	ProximalPromoter	AW011752	1.503	6.23
14117715	P103739 Ndufb5 ProximalPromoter	Ndufb5	1.502	2.67
14120439	P207870 Akt1s1 ProximalPromoter	Akt1s1	1.501	4.2