



Genes expressed by [DG Granule cells](#)

Positive	
1	42616
2	1500011H22Rik
3	1700001L19Rik
4	1700008H02Rik
5	1700128F08Rik
6	1810032O08Rik
7	2310007L24Rik
8	2310022B05Rik
9	2400003C14Rik
10	2410002F23Rik
11	2510003E04Rik
12	2610005L07Rik
13	2610507B11Rik
14	2700078E11Rik
15	2700081O15Rik
16	2810002N01Rik
17	2810422J05Rik
18	2810453I06Rik
19	2900011O08Rik
20	3000002C10Rik
21	3110057O12Rik
22	3930402G23Rik
23	4732419C18Rik
24	4833420G17Rik
25	4930458A03Rik
26	4930485B16Rik
27	4930539J05Rik
28	4931440F15Rik
29	4933434E20Rik
30	5330431K02Rik
31	5430416O09Rik
32	5730403B10Rik
33	5730419I09Rik
34	5730596B20Rik
35	5830469L07Rik*
36	6330403A02Rik
37	6330581N18Rik
38	6430709H04Rik
39	6820433M10Rik*
40	8430410A17Rik
41	9230112E08Rik
42	9330109E03Rik
43	9330159F19Rik
44	9330181H08Rik*
45	9330190M22Rik*
46	9530004P13Rik
47	9530085L02Rik
48	A330044P14Rik
49	Aamp
50	Abce1
51	Abhd12
52	Abi1

53	Abi2
54	Ablim2
55	Abr
56	Acap2
57	Aco2
58	Acox1
59	Acsi6
60	Actl6b
61	Actn1
62	Actr1b
63	Actr3
64	Adam15
65	Adamts17
66	Adar
67	Adcy1
68	Add2
69	Add3
70	Adk
71	Aes
72	Agap2
73	Agpat4
74	Ahcyl1
75	Ak5
76	Akap11
77	Akap8l
78	Akt3
79	Alas1
80	Amac1
81	Anapc5
82	Ank2
83	Ankrd46
84	Anks1b
85	Anks4b
86	Anxa11
87	Ap3b1
88	Ap3b2
89	Ap3d1
90	Aph1c
91	Aplp1
92	Aptx
93	Arfgap1
94	Arhgap20
95	Arhgap21
96	Arhgdib
97	Arhgef1
98	Arhgef17
99	Arhgef25
100	Arhgef3
101	Arid4a
102	Arih1
103	Arl6ip5
104	Armex2
105	Arpc3
106	Arpc4
107	Arpc5l
108	Arrb2
109	Ash2l

110	Asna1
111	Asphd2
112	Atf6b
113	Atf7ip
114	Atg4b
115	Atl3
116	Atp1a2
117	Atp1a3
118	Atp5b
119	Atp5f1
120	Atp5h
121	Atp6v0e2
122	Atp6v1a
123	Atp6v1d
124	Atp6v1g2
125	Atp8a1
126	Atxn2l
127	AU040320
128	B230208H17Rik
129	B230325I23Rik*
130	B230340J04Rik
131	B430217B02Rik
132	Bai2
133	Baiap2
134	Baz1b
135	Bbs2
136	BC003331
137	BC017612
138	BC018242
139	BC018507
140	BC024537
141	BC037034
142	Bcar1
143	Bcas2
144	Bcl6
145	Bclaf1
146	Becn1
147	Bex2
148	Bin1
149	Bop1
150	Bptf
151	Brd2
152	Bri3bp
153	Brms1l
154	Brp44
155	Btbd9
156	Btrc
157	C130071C03Rik
158	C130075H21Rik*
159	C1ql2
160	C230004F18Rik
161	C230030N03Rik
162	C2cd2l
163	C330013J21Rik
164	C430048L16Rik
165	Cacna1d
166	Cacna1h

167	Cacng8
168	Calcoco1
169	Calr
170	Camk2b
171	Camkk1
172	Camkv
173	Camta2
174	Carkd
175	Cbx6
176	Cby1
177	Cbe1
178	Ccnk
179	Ccnl2
180	Ccnt2
181	Ccpq1
182	Ccr1
183	Ccrn4l
184	Cct3
185	Cct4
186	Cct5
187	Cct7
188	Cd200r2
189	Cd209c
190	Cd248
191	Cdadc1
192	Cdc16
193	Cdc27
194	Cdc42bpa
195	Cdc42se2
196	Cdh8
197	Cdh9
198	Cdk11b
199	Cdk12
200	Cdk14
201	Cdk17
202	Cdk4
203	Cdk9
204	Celf2
205	Celf3
206	Cfdp1
207	Cfp
208	Chchd2
209	Chd3
210	Chd4
211	Chid1
212	Chmp2a
213	Chn1
214	Chordc1
215	Chrm1
216	Chst1
217	Chst15
218	Chtf8
219	Ciita
220	Cisd1
221	Ciz1
222	Clcn3
223	Clk4

224	Clstn2
225	Cmtm8
226	Cnbp
227	Cnnm1
228	Cnot6l
229	Cnpy2
230	Cnrip1
231	Cntnap1
232	Cog1
233	Cog2
234	Cog4
235	Comm3
236	Comm7
237	Copb1
238	Corg
239	Cpaz1
240	Cog2
241	Cpeb1
242	Cpne6
243	Cpox
244	Cpsf6
245	Cramp1l
246	Crlf1
247	Crocc
248	Csde1
249	Csmd3
250	Csnk1a1
251	Csnk1q1
252	Csnk2a1
253	Ctbp1
254	Ctdnep1
255	Ctr9
256	Ctsa
257	Cttnbp2
258	Cttnbp2nl
259	Cul2
260	Cul3
261	Cul9
262	Cwc27
263	Cyp46a1
264	Cyp4a28-ps
265	Cyp7b1
266	Cys1
267	Cyth1
268	D10Wsu52e
269	D11Wsu99e
270	D130032N22Rik*
271	D14Abb1e
272	D19Wsu162e
273	D3Bwg0562e
274	D4Bwg0951e
275	D6Wsu163e
276	Dagla
277	Dak
278	Dalrd3
279	Dap3
280	Dapk1

281	Dars
282	Dbn1
283	Dcps
284	Dctn2
285	Ddn
286	Ddrgk1
287	Ddx17
288	Ddx18
289	Ddx24
290	Ddx6
291	Deaf1
292	Def8
293	Derl1
294	Dgat2
295	Dgcr8
296	Dgkd
297	Dgkh
298	Dhdds
299	Dhx33
300	Dido1
301	Dlat
302	Dlq3
303	Dmap1
304	Dmxl2
305	Dnaja3
306	Dnaja4
307	Dnajb5
308	Dnajc18
309	Dnajc5
310	Dnajc6
311	Dnajc7
312	Dnm3os
313	Doc2b
314	Dohh
315	Dpf3
316	Dph1
317	Drg1
318	Dscr3
319	Dsp
320	Dtnb
321	Dtx3
322	Dus3l
323	Dusp7
324	Dvl1
325	Dvl3
326	Dync1i2
327	Dynll2
328	Dyrk1b
329	E030030I06Rik
330	Edc4
331	Edem2
332	Eef1a1
333	Eef1g
334	Eftud2
335	Egfem1
336	Ehd1
337	Ehd3

338	Eif1
339	Eif2ak2
340	Eif2c1
341	Eif2c2
342	Eif2s3y
343	Eif3a
344	Eif3c
345	Eif3d
346	Eif3e
347	Eif3h
348	Eif3l
349	Eif3m
350	Eif4a1
351	Eif4a2
352	Eif4e3
353	Eif4g1
354	Eif4h
355	Eif5
356	Elfn2
357	Elmo2
358	Emg1
359	Enox1
360	Enpp5
361	Epn2
362	Erc2
363	Erh
364	Erp29
365	Esyt2
366	Etf1
367	Etos1
368	Exd2
369	Exoc3
370	Extl2
371	Ezh1
372	F530204I15Rik*
373	F630111L10Rik
374	F730043M19Rik
375	F830118D09Rik*
376	F830222I21Rik*
377	Faah
378	Fam101b
379	Fam117b
380	Fam118a
381	Fam118b
382	Fam122a
383	Fam123c
384	Fam131a
385	Fam133b
386	Fam134a
387	Fam134c
388	Fam160a1
389	Fam163b
390	Fam188a
391	Fam192a
392	Fam193b
393	Fam32a
394	Fam36a

395	Fam49a
396	Fam54b
397	Fam65a
398	Fam73b
399	Fam84a
400	Fastk
401	Fau
402	Fbxo21
403	Fbxo22
404	Fbxo25
405	Fbxo34
406	Fbxo41
407	Fbxw11
408	Fcgr1
409	Fez1
410	Fip111
411	Fkbp15
412	Fkbp1a
413	Fkbp4
414	Flot1
415	Flrt3
416	Fmn2
417	Fn3krp
418	Fnbp4
419	Foxk1
420	Frmd4b
421	Frs2
422	Fry
423	Fuca1
424	Fus
425	Fxr1
426	Fxr2
427	Fyco1
428	Fzr1
429	Gabarapl1
430	Gabbr1
431	Gabra5
432	Gabrb3
433	Gak
434	Galnt14
435	Ganab
436	Gapdh
437	Gar1
438	Gas7
439	Gatad2b
440	Gdi1
441	Gfod1
442	Gga1
443	Ggnbp2
444	Ggt7
445	Glg1
446	Glis3
447	Glo1
448	Glt8d1
449	Gltscr2
450	Gm132
451	Gm15800

452	Gm19849
453	Gm5069
454	Gm5446
455	Gnb2l1
456	Gnptg
457	Golga2
458	Golm1
459	Gorasp2
460	Gpatch3
461	Gpd1
462	Gpm6a
463	Gps1
464	Gria1
465	Gria3
466	Grik2
467	Grin2a
468	Grin2b
469	Grm5
470	Gse1
471	Gtf2h5
472	Gtpbp5
473	H1f0
474	H2-T3
475	H3f3a
476	Haus5
477	Hcfc1
478	Hdac1
479	Hebp1
480	Herc1
481	Herc3
482	Hint3
483	Hipk1
484	Hist1h2ag
485	Hist1h2bg
486	Hist1h2bp
487	Hist2h2aa1
488	Hist3h2a
489	Hist3h2ba
490	Hmg20a
491	Hmgb1
492	Hmgn1
493	Hmgn2
494	Hn1
495	Hnrnpa1
496	Hnrnpa3
497	Hnrnpab
498	Hnrnpd
499	Hnrnpk
500	Hnrnpl
501	Hnrnpm
502	Hnrnpu
503	Homez
504	Hpca
505	Hsbp1
506	Hsp90ab1
507	Hspa2
508	Huwe1

509	Hyou1
510	Icam5
511	Ifi204
512	Ifi20
513	Ik
514	Ikbkap
515	Il10rb
516	Il1r1
517	Ina
518	Ing4
519	Ints10
520	Ints5
521	Ip6k1
522	Ippk
523	Iqgap2
524	Itm2b
525	Itsn1
526	Ivd
527	Izumo4
528	Jakmip1
529	Jakmip3
530	Jhdm1d
531	Jph1
532	Jph4
533	Jrkl
534	Kalrn
535	Katnb1
536	Kbtbd11
537	Kbtbd7
538	Kcna1
539	Kcnc3
540	Kcnip2
541	Kcnj3
542	Kcng3
543	Kctd12
544	Kctd13
545	Kctd3
546	Kctd4
547	Kdm1a
548	Kdm2a
549	Kdm4a
550	Kdm5b
551	Kidins220
552	Kif1b
553	Kif24
554	Klf13
555	Klhdc8a
556	Klh11
557	Klh12
558	Kptn
559	Krba1
560	Ksr1
561	Ky
562	Lass1
563	Lass6
564	Lca5
565	Lce1m

566	Lct
567	Ldb1
568	Lgi1
569	Lilra5
570	Limd2
571	Lin37
572	Lin7c
573	LOC328602
574	LOC329302
575	LOC381358
576	LOC382175
577	LOC383319
578	LOC432741
579	LOC432748
580	LOC433859
581	LOC433906
582	LOC433946
583	LOC433959
584	LOC434368
585	LOC434494
586	LOC434519
587	LOC434786
588	LOC434822
589	LOC434823
590	LOC435551
591	LOC545133
592	LOC546041
593	LOC546142
594	LOC546247
595	LOC640526
596	LOC66376
597	Lpin2
598	Lrfn5
599	Lrp11
600	Lrpap1
601	Lrpprc
602	Lrrc45
603	Lrrc4b
604	Lrrc7
605	Lrrn1
606	Lrrn2
607	Lrrtm4
608	Ltv1
609	Luc7l2
610	Luc7l3
611	Madd
612	Maged1
613	Magi2
614	Mamld1
615	Map2k1
616	Map2k7
617	Map3k12
618	Map3k2
619	Map3k3
620	Map3k4
621	Map6d1
622	Mapk8ip2

623	Mapk8ip3
624	Mapkapk5
625	Mapre3
626	Mark3
627	Mas1
628	Mat2a
629	Matr3
630	Maz
631	Mbd5
632	Mbtps1
633	Mcoln1
634	Med12l
635	Med15
636	Med17
637	Med18
638	Med25
639	Med28
640	Med29
641	Megf9
642	Mettl2
643	Mfap3
644	Mfsd7c
645	Mgat3
646	Mgea5
647	Miat
648	Mib1
649	Mib2
650	Micu1
651	Mkl1
652	Mlf2
653	Mll1
654	Mll2
655	Mm.246494
656	Mm.274484
657	Mm.360169
658	Mmd
659	Mmp16
660	Morf4l1
661	Morf4l2
662	Mpdz
663	Mpi
664	Mpp2
665	Mprip
666	Mpst
667	Mpv17
668	Mras
669	Mrfap1
670	Mrpl11
671	Mrps15
672	Mrps26
673	Mrps5
674	Mt1
675	Mt3
676	Mta1
677	Mta2
678	Mtap7
679	Mtap7d1

680	Mtch2
681	Mterfd2
682	Mtmr1
683	Mtmr12
684	Mtmr3
685	Mus81
686	Myef2
687	Myl6
688	Mypop
689	Myst2
690	Myst3
691	Naa40
692	Naca
693	Nadk
694	Narf
695	Nbea
696	Ncald
697	Ncapd3
698	Nckap1
699	Ncoa1
700	Ncoa3
701	Ncor1
702	Ncor2
703	Ndrq4
704	Ndufa9
705	Ndufb10
706	Ndufb11
707	Ndufb7
708	Ndufs3
709	Ndufs4
710	Ndufs7
711	Nebi
712	Necap1
713	Nedd4l
714	Nedd8
715	Nelf
716	Nell2
717	Net1
718	Neu3
719	Nipsnap1
720	Nktr
721	Nlgn3
722	Nme7
723	Nmnat2
724	Nmt1
725	Noc2l
726	Nol6
727	Nono
728	Nop58
729	Notch1
730	Nprl3
731	Nrd1
732	Nrg2
733	Nsa2
734	Nsg1
735	Nsun2
736	Nt5c1a

737	Nt5c3l
738	Ntnq2
739	Numb1
740	Nup188
741	Nup88
742	Oaf
743	Ocln
744	Ogfr
745	Onecut3
746	Opa1
747	Orai2
748	Otud5
749	Pa2g4
750	Pabpc1
751	Pacsin1
752	Paf1
753	Palm
754	Papd7
755	Paqr9
756	Park7
757	Parp1
758	Parp6
759	Pbx2
760	Pcdh15
761	Pcdh19
762	Pcdh20
763	Pcdhb8
764	Pcmt2
765	Pcnx
766	Pcyt2
767	Pcd4
768	Pdhb
769	Pdpk1
770	Pds5a
771	Pdzd4
772	Pfn1
773	Pgbd5
774	Phf14
775	Phf201
776	Phf3
777	Phxr4
778	Pi16
779	Pi4ka
780	Pias1
781	Piqyl
782	Pik3cb
783	Pik3ip1
784	Pik3r2
785	Pip5k1a
786	Pisd-ps1
787	Pitpnm2
788	Pkd1
789	Pkm
790	Pla2g4e
791	Pla2g5
792	Plekha2
793	Plekhg5

794	Plekhj1
795	Plekhm2
796	Plk5
797	Plrq1
798	Pmm2
799	Pnmal2
800	Pnn
801	Polb
802	Polg
803	Polr2a
804	Polr3b
805	Porcn
806	Ppfia2
807	Ppia
808	Ppiib
809	Ppil2
810	Ppm1f
811	Ppp1cb
812	Ppp1cc
813	Ppp1r10
814	Ppp1r13b
815	Ppp1r16b
816	Ppp1r17
817	Ppp1r1a
818	Ppp1r26
819	Ppp1r9b
820	Ppp3ca
821	Ppp3cb
822	Ppp3r1
823	Ppp6r1
824	Prcc
825	Prdm5
826	Prep
827	Prepl
828	Prickle2
829	Prkag2
830	Prkar1a
831	Prm3
832	Prosapip1
833	Prox1
834	Prpf19
835	Prrc2a
836	Prrc2b
837	Prrc2c
838	PscA
839	Psd
840	PsmA1
841	PsmB1
842	PsmB11
843	PsmB7
844	PsmC4
845	PsmC5
846	PsmD14
847	PsmE3
848	Pspc1
849	Ptdss2
850	Ptk2b

851	Ptma
852	Ptplad1
853	Ptpra
854	Puf60
855	Pum2
856	Pvgo1
857	Qrich1
858	Rab11b
859	Rab11fip2
860	Rab11fip3
861	Rab14
862	Rab21
863	Rab2a
864	Rab3a
865	Rab3gap2
866	Rab40b
867	Rad21
868	Rad51
869	Rad9
870	Rae1
871	Ralgapa2
872	Ramp2
873	Rap2a
874	Rapgef5
875	Rapgef1
876	Rasa1
877	Rasgef1a
878	Rbbp5
879	Rbck1
880	Rbl2
881	Rbm12b
882	Rbm15
883	Rbm25
884	Rbm33
885	Rbm34
886	Rbm42
887	Rbm8a
888	Rc3h2
889	Rdh1
890	Rere
891	Rfx3
892	Rgl1
893	Rgl2
894	Rhob
895	Rhot2
896	Ric8
897	Rilp1
898	Rimbp2
899	Rin1
900	Rlf
901	Rnf10
902	Rnf114
903	Rnf145
904	Rnf167
905	Rnf34
906	Rnf4
907	Rnf5

908	Robo3
909	Rogdi
910	Rpf2
911	Rpl10
912	Rpl13
913	Rpl13a
914	Rpl14
915	Rpl15
916	Rpl17
917	Rpl18a
918	Rpl22
919	Rpl23a
920	Rpl24
921	Rpl26
922	Rpl27a
923	Rpl28
924	Rpl30
925	Rpl31
926	Rpl36
927	Rpl37a
928	Rpl4
929	Rpl5
930	Rpl6
931	Rpl7
932	Rpl7a
933	Rplp0
934	Rplp1
935	Rps10
936	Rps14
937	Rps15
938	Rps15a
939	Rps17
940	Rps2
941	Rps23
942	Rps24
943	Rps25
944	Rps26
945	Rps3
946	Rps3a
947	Rps4x
948	Rps6
949	Rps7
950	Rps8
951	Rpusd3
952	Rras2
953	Rrn3
954	Rsl1d1
955	Rtn4r
956	Rufy3
957	Ryr2
958	Safb2
959	Sar1a
960	Sbf2
961	Scnm1
962	Scrg1
963	Sdcbp
964	Sdha

965	Sec11c
966	Sec14l2
967	Sec61a1
968	Secisbp2
969	Serbp1
970	Sesn1
971	Set
972	Sez6l
973	Sf3a3
974	Sf3b3
975	Sf3b4
976	Sf3b5
977	Sfi1
978	Sfpq
979	Sfrs18
980	Sqsm2
981	Sh2b1
982	Sh3bp5
983	Sh3gl1
984	Sh3glb2
985	Shisa6
986	Shisa7
987	Shisa9
988	Siah1a
989	Sin3b
990	Sipa1l3
991	Ski
992	Skil
993	Slc25a23
994	Slc26a10
995	Slc26a4
996	Slc27a1
997	Slc30a2
998	Slc36a2
999	Slc39a6
1000	Slc4a7
1001	Slc52a3
1002	Slc6a15
1003	Slc6a17
1004	Slc7a14
1005	Slc7a8
1006	Slc8a2
1007	Slit1
1008	Slit3
1009	Slitrk2
1010	Slitrk3
1011	Slk
1012	Slmo1
1013	Sltm
1014	Smad3
1015	Smap2
1016	Smarca5
1017	Smarcal1
1018	Smarcb1
1019	Smarcd1
1020	Smchd1
1021	Smoc2

1022	Smyd2
1023	Snapin
1024	Snrnp200
1025	Snrnp40
1026	Snrnp70
1027	Snrpa1
1028	Snrpc
1029	Snrpd1
1030	Sntb2
1031	Sntg1
1032	Snx15
1033	Snx3
1034	Sobp
1035	Socs5
1036	Sod2
1037	Sorbs1
1038	Sorbs2
1039	Sort1
1040	Spag7
1041	Sparcl1
1042	Spata2
1043	Spcs1
1044	Sphkap
1045	Spin1
1046	Spna2
1047	Spnb2
1048	Spns2
1049	Spop
1050	Sprn
1051	Spryd3
1052	Src
1053	Srp72
1054	Srpk1
1055	Srrm1
1056	Srrm2
1057	Srrt
1058	Srsf10
1059	Srsf3
1060	Srsf4
1061	Srsf6
1062	Ss18l1
1063	Ssna1
1064	St13
1065	St5
1066	St7
1067	Stim2
1068	Stip1
1069	Stk11
1070	Stk25
1071	Stox2
1072	Stra8
1073	Strn4
1074	Stx12
1075	Stx5a
1076	Stx6
1077	Stxbp5
1078	Stxbp5l

1079	Stxbp6
1080	Suclg1
1081	Sugp2
1082	Sugt1
1083	Susd4
1084	Suv420h1
1085	Suz12
1086	Syn2
1087	Syngap1
1088	Syt14
1089	Syt17
1090	Tab2
1091	Taf4a
1092	Taf8
1093	Taok1
1094	Tardbp
1095	Tatdn2
1096	Tbca
1097	Tceal6
1098	Tceal8
1099	Tcf20
1100	Tdo2
1101	Tecr
1102	Tef
1103	Telo2
1104	Tfap4
1105	Tff1
1106	Tfip11
1107	Thrap3
1108	Thy1
1109	Thyn1
1110	Tia1
1111	Tial1
1112	Tifab
1113	Timm13
1114	Timm9
1115	Tm9sf3
1116	Tmcc1
1117	Tmed9
1118	Tmeff2
1119	Tmem106b
1120	Tmem19
1121	Tmem222
1122	Tmem59
1123	Tmem59l
1124	Tmem66
1125	Tmem85
1126	Tmod2
1127	Tnfaip6
1128	Tnip2
1129	Tnks2
1130	Tnr
1131	Tnrc6c
1132	Tob1
1133	Tollip
1134	Tomm6
1135	Top1

1136	Tor1a
1137	Tor2a
1138	Tpd52l2
1139	Tpm1
1140	Tpst1
1141	Trank1
1142	Trf
1143	Trim11
1144	Trim2
1145	Trim44
1146	Trio
1147	Trip12
1148	Trpc6
1149	Trrap
1150	Tsn
1151	Tspan3
1152	Tspyl1
1153	Tspyl2
1154	Tsr1
1155	Ttc1
1156	Tub
1157	Tubb3
1158	Txlnb
1159	Txndc9
1160	Txnl1
1161	U2af2
1162	Uba2
1163	Uba52
1164	Ube2c
1165	Ube2k
1166	Ube2m
1167	Ube2z
1168	Ubp1
1169	Ubgln1
1170	Ubr2
1171	Ubr5
1172	Ubxn1
1173	Ubxn4
1174	Uhmkl
1175	Umps
1176	Unc5a
1177	Unc79
1178	Unc80
1179	Unkl
1180	Upf1
1181	Upf3a
1182	Usf2
1183	Usp19
1184	Usp22
1185	Usp47
1186	Vmn1r234
1187	Vmp1
1188	Vprbp
1189	Vps13b
1190	Vps13c
1191	Vps25
1192	Vps37b

1193	Vstm2b
1194	Vwa3b
1195	Wasf1
1196	Wasl
1197	Wbp2
1198	Wbscr17
1199	Wdr12
1200	Wdr13
1201	Wdr26
1202	Wdr3
1203	Wdr77
1204	Whsc111
1205	Wipf2
1206	Wipi2
1207	Wnk1
1208	Wscd1
1209	Xpr1
1210	Xrcc1
1211	Xrn1
1212	Xrn2
1213	Yipf1
1214	Ypel2
1215	Ypel4
1216	Ythdf1
1217	Ythdf3
1218	Zbtb16
1219	Zbtb17
1220	Zbtb38
1221	Zc3h11a
1222	Zc3h3
1223	Zcchc8
1224	Zer1
1225	Zfp148
1226	Zfp207
1227	Zfp324
1228	Zfp398
1229	Zfp445
1230	Zfp451
1231	Zfp459
1232	Zfp532
1233	Zfp536
1234	Zfp644
1235	Zfp651
1236	Zfp664
1237	Zfp866
1238	Zfp871
1239	Zqpat
1240	Zhx1
1241	Zhx2
1242	Zkscan1
1243	Zmym4
1244	Zmynd11
1245	Zranb1
1246	Zscan22



Genes not expressed by [DG Granule cells](#)

Negative	
1	1100001G20Rik
2	1110020C17Rik
3	1200016B10Rik
4	1300002K09Rik
5	1500015O10Rik
6	1600014C23Rik
7	1600014K23Rik
8	1700007G11Rik
9	1700007K13Rik
10	1700009P17Rik
11	1700011F03Rik
12	1700014N06Rik
13	1700015F17Rik
14	1700018A04Rik
15	1700020N01Rik
16	1700021F07Rik
17	1700028K03Rik
18	1700029F12Rik
19	1700034J04Rik
20	1700034J05Rik
21	1700040F17Rik
22	1700041G16Rik
23	1700049G17Rik
24	1700060C20Rik
25	1700063K16Rik
26	1700066B19Rik
27	1700066J24Rik
28	1810033B17Rik
29	1810074P20Rik
30	2010001M09Rik
31	2310039L15Rik
32	2310069G16Rik
33	2410017P09Rik
34	2410141K09Rik
35	2510049J12Rik
36	2610206C17Rik
37	2610507I01Rik
38	2810055F11Rik
39	2810417H13Rik
40	2810442I21Rik
41	2900052N01Rik
42	2900060B14Rik
43	3110003A17Rik
44	3110040M04Rik
45	3426406K10Rik*
46	3830417A13Rik
47	4631405J19Rik
48	4732440D04Rik
49	4732490P12
50	4833442J19Rik
51	4833444G19Rik
52	4921507L20Rik

53	4921508M14Rik
54	4921509C19Rik
55	4921517D22Rik
56	4921531P07Rik
57	4930426L09Rik
58	4930430O22Rik
59	4930432F04Rik
60	4930442G15Rik
61	4930448F12Rik
62	4930449A18Rik
63	4930463O16Rik
64	4930468A15Rik
65	4930535E06Rik*
66	4930541O19Rik
67	4930546C10Rik
68	4930546K05Rik
69	4930564D02Rik
70	4930566N20Rik
71	4930568D16Rik
72	4930578I07Rik
73	4930592A05Rik
74	4930597L12Rik
75	4931429P17Rik
76	4933407E24Rik
77	4933411O13Rik
78	4933424G06Rik
79	4933426D04Rik
80	4933430N04Rik
81	4933434C23Rik
82	4933435G04Rik
83	5033430I15Rik
84	5430411C19Rik
85	5430417C01Rik
86	5430419D17Rik
87	5730508B09Rik
88	5730585A16Rik
89	8030474K03Rik
90	9130227L01Rik
91	9230109C12Rik*
92	9330158H04Rik
93	9530056K15Rik
94	9930012K11Rik
95	A130023E24Rik
96	A1cf
97	A230004M16Rik
98	A230072I06Rik
99	A230074B11Rik
100	A430078G23Rik
101	A730013O20Rik
102	A730024G14Rik*
103	A730045E13Rik
104	A830023I12Rik
105	A830029E22Rik
106	A830093I24Rik
107	A930003A15Rik
108	A930031F24Rik*
109	Aanat

110	Abcc6
111	Abi3bp
112	Abp1
113	Abpz
114	Acadsb
115	Acap1
116	Ace
117	Acpp
118	Acsm4
119	Acss3
120	Adam24
121	Adam25
122	Adam26a
123	Adam6a
124	Adamts19
125	Adig
126	Adora2a
127	Adrb1
128	AF067063
129	AF119384
130	AF366264
131	Afap1l2
132	Agmat
133	Agrp
134	Ahsp
135	AI428898
136	AI450948
137	AI506816
138	Ak8
139	Akp3
140	Akr1c20
141	Alkbh1
142	Alpi
143	Ambp
144	Angpt1
145	Ankfn1
146	Ankrd2
147	Ankrd5
148	Ano1
149	Anxa2
150	Anxa4
151	Anxa9
152	Aox4
153	Apoh
154	Arhgap25
155	Arhgap42
156	Armc4
157	Arpp19
158	Art2a-ps
159	Art3
160	Asb10
161	Asb2
162	Asb4
163	Atad2b
164	Atp2c1
165	AU020206
166	Avp

167	Awat2
168	B130016D09Rik
169	B230104C08Rik
170	B3gat2
171	B3gnt5
172	B3gnt6
173	B430209F14Rik
174	Baia3
175	BC016579
176	BC034076
177	BC040756
178	BC042761
179	BC052688
180	BC067068
181	BC089491
182	BC094916
183	BC125332
184	Bcdin3d
185	Bcl2a1b
186	Bcl2l14
187	Bmp8b
188	Bnc2
189	Boll
190	Bst1
191	C130021I20Rik
192	C130036L24Rik
193	C130074G19Rik
194	C230078M08Rik
195	C330006D17Rik
196	C330024D21Rik
197	C430049B03Rik
198	Cacna1f
199	Calcb
200	Calcr
201	Camp
202	Camsap1
203	Cartpt
204	Casp14
205	Casp8ap2
206	Cast
207	Catsperb
208	Cbln3
209	Cbln4
210	Ccdc114
211	Ccdc144b
212	Ccdc148
213	Ccdc36
214	Ccdc42
215	Ccdc54
216	Ccl1
217	Ccl7
218	Ccl8
219	Ccno
220	Cd4
221	Cdca2
222	Cdh18
223	Cdh23

224	Cdh26
225	Cdh7
226	Cdhr4
227	Cdkn2a
228	Cdr2
229	Ceacam10
230	Ceacam19
231	Cebpe
232	Ces5a
233	Chrna3
234	Chrb1
235	Chst5
236	Clcnka
237	Cldn1
238	Cldn17
239	Cldn2
240	Clec2f-ps
241	Clec4a1
242	Clec4a2
243	Clec5a
244	Cml2
245	Cnksr3
246	Cntln
247	Col24a1
248	Cox18
249	Cox7a1
250	Cpa6
251	Crabp1
252	Crisp3
253	Cryge
254	Crygn
255	Csf3
256	Cst9
257	Cxcl3
258	Cyp2g1
259	Cyp2t4
260	Cyp39a1
261	Cyr61
262	Cyth4
263	D530049N12Rik
264	D630033O11Rik
265	D630044L22Rik
266	D730003I15Rik
267	D730042O14Rik*
268	D830039M14Rik
269	D930048N14Rik
270	Daf2
271	Dapk2
272	Dazap1
273	Dazl
274	Dbh
275	Ddc
276	Def6
277	Defb36
278	Defb4
279	Dennd2d
280	Dlk1

281	Dnahc11
282	Dnahc12
283	Dnahc14
284	Doxl2
285	Dph3
286	Drd1a
287	Drd2
288	E030034C22Rik
289	E230016K23Rik
290	Ear14
291	Ebf3
292	Ebf4
293	Efha1
294	Egln3
295	Ehhadh
296	Elov17
297	Endog
298	Enkur
299	Entpd8
300	Epo
301	Epsti1
302	Erich1
303	Erp27
304	Esr1
305	Esyt1
306	Esyt3
307	F430010L17Rik*
308	F5
309	F530002G13Rik*
310	F530007B04Rik*
311	F730214C23Rik*
312	F830001D05Rik*
313	F830201C10Rik*
314	F830225E14Rik*
315	F930037H19Rik*
316	Fam115c
317	Fam124b
318	Fam184a
319	Fam45a
320	Fam46b
321	Fam71e1
322	Fam76b
323	Fam83e
324	Fbln7
325	Fcamr
326	Fcrl1
327	Fer115
328	Fermt3
329	Fezf1
330	Fgf4
331	Fgf6
332	Figla
333	Fkbp11
334	Fmo2
335	Fmo5
336	Folr1
337	Foxa3

338	Foxp2
339	Fpr-rs3
340	Fzd4
341	G530016P13Rik*
342	G630005L12Rik*
343	G630082H20Rik*
344	GA_x5J8B7TQSKC-412-5
345	Gabra6
346	Gabre
347	Gabbrq
348	Gal
349	Gbp6
350	Gbx2
351	Gch1
352	Gchfr
353	Gcnt3
354	Gemin6
355	Ghdc
356	Ghrh
357	Ghrhr
358	Gjd3
359	Gjd4
360	Gla
361	Glb1l
362	Glra1
363	Gm10057
364	Gm10339
365	Gm10482
366	Gm10499
367	Gm10549
368	Gm11458
369	Gm1199
370	Gm12541
371	Gm12580
372	Gm1553
373	Gm156
374	Gm1562
375	Gm16223
376	Gm1630
377	Gm16486
378	Gm166
379	Gm1724
380	Gm17745
381	Gm1968
382	Gm255
383	Gm333
384	Gm3392
385	Gm371
386	Gm41
387	Gm442
388	Gm4955
389	Gm4956
390	Gm5478
391	Gm5494
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393	Gm5546
394	Gm5551

395	Gm5585
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403	Gm799
404	Gm8656
405	Gm884
406	Gm906
407	Gm9732
408	Gm980
409	Gm9991
410	Gna14
411	Gna15
412	Gng13
413	Gng4
414	Golga4
415	Gpha2
416	Gpr114
417	Gpr143
418	Gpr151
419	Gpr35
420	Gpr6
421	Gpr88
422	Gpx3
423	Grb10
424	Grifin
425	Grin3b
426	Gsc2
427	Gsdma
428	Gstk1
429	Gt(ROSA)26Sor
430	Gucy1b2
431	Gxylt2
432	Gykl1
433	Gylt1b
434	Gypa
435	Gzma
436	Gzmk
437	H19
438	H2-Ke6
439	H2-M1
440	H2-M10.1
441	H2-Ob
442	Hebp2
443	Hgf
444	Hnrnp
445	Hoxa6
446	Hoxb3
447	Hoxd12
448	Hoxd8
449	Hpse2
450	Hsd3b2
451	Hsd3b5

452	Hspb2
453	Hspb3
454	Htr5b
455	Htr7
456	Hydin
457	I830077J02Rik
458	Ifnk
459	Ifnz
460	Igfbp1
461	Igfn1
462	Ighe
463	Igkv19-93
464	Igsf5
465	Il17ra
466	Il17rc
467	Il18rap
468	Il1f9
469	Il20
470	Il6ra
471	Insl6
472	Irs4
473	Irx2
474	Irx5
475	Itga3
476	Itih1
477	Itpr3
478	Izumo1
479	Kazald1
480	Kcne1l
481	Kcnj12
482	Kcnj14
483	Kcp
484	Kctd12b
485	Klrb1f
486	Krt1
487	Krt10
488	Krt16
489	Krt17
490	Krt18
491	Krt33b
492	Krt4
493	Krt71
494	Krt72-ps
495	Krt80
496	Krtap15
497	Krtap5-3
498	Lage3
499	Lamc3
500	Las1l
501	Layn
502	Lcn8
503	Lctl
504	Lhx1
505	Lims1
506	Lipc
507	Lipf
508	LOC226990

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558	LOC435849
559	LOC435906
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561	LOC436044
562	LOC436542
563	LOC544913
564	LOC545328
565	LOC545505

566	LOC545838
567	LOC545890
568	LOC545904
569	Lpar5
570	Lrit1
571	Lrrc66
572	Lrrk2
573	Ly96
574	Lyg2
575	Mab21l3
576	Magea9-ps
577	Mageb5
578	Magel2
579	Maob
580	Mapk1ip1l
581	Matn3
582	Mblac1
583	mCG1030251
584	mCG1048826
585	mCG1049722.1
586	mCG145979
587	mCG146126
588	mCG147104
589	mCG147359
590	mCG148246
591	mCG148349
592	Med22
593	Mefv
594	Mei1
595	Mep1b
596	Mgl2
597	Mgmt
598	Mkks
599	Mm.211000
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601	Mm.371778
602	Mm.373807
603	Mm.78264
604	Mmgt1
605	Mmp1a
606	Mnx1
607	Mos
608	Mrap2
609	Mrqprb1
610	Ms4a4d
611	Msmb
612	Mthfd2l
613	Mug1
614	Mybpc1
615	Myh3
616	Myl12b
617	Myl4
618	Myom3
619	Myot
620	Napepld
621	Nat1
622	Nbeal2

623	Ncapg
624	Ncf1
625	Ncr1
626	Nctc1
627	Ndc80
628	Nexn
629	Nfe2l2
630	Ngb
631	Nhedc1
632	Nhedc2
633	Nipal2
634	Nkx6-3
635	Nlrp1a
636	Nlrp9b
637	Npff
638	Nr5a1
639	Nrg1
640	Nsun6
641	Nthl1
642	Ntn1
643	Ntrk1
644	Ntsr1
645	Nudt7
646	Nup210l
647	O3far1
648	Oas1f
649	Oas2
650	Ocm
651	Odf3b
652	Olfr1087
653	Olfr13
654	Olfr131
655	Olfr1339
656	Olfr1352
657	Olfr1361
658	Olfr1367
659	Olfr450
660	Olfr466
661	Olfr543
662	Olfr656
663	Olfr67
664	Olfr678
665	Olfr685
666	Olfr720
667	Olfr728
668	Olfr729
669	Olfr77
670	Olfr807
671	Olfr829
672	Olfr867
673	Olfr868
674	Olfr95
675	Olfr982
676	Oog3
677	Opn3
678	Oprk1
679	Ormdl2

680	Otc
681	Otop2
682	Otp
683	Ott
684	Oxt
685	Pabpc2
686	Parp4
687	Pate4
688	Pax6
689	Pax7
690	Pbk
691	Pbx3
692	Pcnx13
693	Pde6b
694	Pex11c
695	Phactr2
696	Pigw
697	Pkd1l3
698	Pkhd1
699	Pkp3
700	Pla2g4b
701	Plb1
702	Pld1
703	Pln
704	Plxdc1
705	Plxnb1
706	Plxnd1
707	Pmch
708	Pnma1
709	Pnpla5
710	Poc1b
711	Podnl1
712	Pold4
713	Pom121l12
714	Pon2
715	Postn
716	Ppid
717	Pramef12
718	Prdx4
719	Prkg2
720	Prl2b1
721	Prl6a1
722	Prlhr
723	Prpsap1
724	Prr11
725	Prss30
726	Prss38
727	Psg28
728	Pstpip1
729	Ptgfr
730	Pth2r
731	Ptprm
732	Pus3
733	Pycard
734	Pyy
735	Qser1
736	Rab11a

737	Rab32
738	Rab37
739	Rab44
740	Rarb
741	Rasgef1c
742	Rbm31y
743	Rbm44
744	RbmX2
745	Reg3a
746	Retnlg
747	Rffl
748	Rgs9
749	Rgs1
750	Rhoh
751	Rhox1
752	Rorb
753	Rorc
754	Rsph9
755	Rtel1
756	Rufy4
757	Rwdd3
758	Samd11
759	Samt4
760	Sardh
761	Sbp
762	Sccpdh
763	Scqb3a2
764	Scml2
765	Scn4b
766	Scn9a
767	Sdr16c5
768	Sema3a
769	Sema3b
770	Sema3f
771	SephS1
772	Serpina5
773	Serpina9
774	Serpina11
775	Serpina1b
776	Serpina9b
777	Serpina9g
778	Sfmbt2
779	Sgms2
780	Sh2d1b1
781	Shd
782	Shisa3
783	Sip1
784	Sirpb1a
785	Siva1
786	Skint10
787	Skint9
788	Sla
789	Slc10a4
790	Slc12a1
791	Slc13a1
792	Slc18a2
793	Slc18a3

794	Slc1a7
795	Slc22a13
796	Slc22a16
797	Slc22a2
798	Slc25a31
799	Slc25a43
800	Slc39a12
801	Slc45a2
802	Slc47a2
803	Slc5a12
804	Slc5a4a
805	Slc5a7
806	Slc6a2
807	Slc6a4
808	Slc6a5
809	Slc7a7
810	Slc9a3
811	Slco1a1
812	Slco4c1
813	Slfn3
814	Slitrk6
815	Sln
816	Slurp1
817	Smc1b
818	Smpx
819	Sorcs1
820	Sox6
821	Sp7
822	Sp8
823	Spata1
824	Spc24
825	Spink6
826	Sptlc3
827	Srd5a2
828	Srgn
829	Srsf12
830	Stac
831	Stard8
832	Steap1
833	Steap2
834	Stil
835	Stk17b
836	Stk32a
837	Stk33
838	Stra13
839	Syce1
840	Syna
841	Sync
842	Synpo2
843	Syt6
844	Syt9
845	Taar4
846	Tacr3
847	Taf12
848	Tas2r106
849	Tas2r107
850	Tas2r114

851	Tas2r118
852	Tas2r120
853	Tas2r126
854	Tas2r129
855	Tas2r134
856	Tas2r135
857	Tas2r144
858	Tbc1d25
859	Tbx20
860	TC1410835
861	TC1429758
862	TC1460196
863	TC1469211
864	TC1548724
865	Tceanc
866	Tcn2
867	Tec
868	Tekt5
869	Tex13
870	Tex28
871	Tff3
872	Tfpi2
873	Tgfb1i1
874	Th
875	Themis
876	Tifa
877	Tlr7
878	Tlr8
879	Tlx2
880	Tmc2
881	Tmem204
882	Tmem52
883	Tmigd1
884	Tmprss11bnl
885	Tmprss3
886	Tmsb15l
887	Tmtc3
888	Tnfrsf11b
889	Tnfrsf8
890	Tnfsf13b
891	Tnfsf15
892	Tnnc1
893	Tpbpa
894	Tph1
895	Tph2
896	Trdn
897	Trim38
898	Trim52
899	Trp53rk
900	Trpm6
901	Tspan12
902	Tsta3
903	Ttc34
904	Ttr
905	Tusc5
906	Ugt1a7c
907	Ugt2b1

908	Umod
909	Ush1g
910	Vangl1
911	Vmn1r-ps8
912	Vmn1r11
913	Vmn1r13
914	Vmn1r15
915	Vmn1r177
916	Vmn1r233
917	Vmn1r24
918	Vmn1r26
919	Vmn1r50
920	Vmn1r65
921	Vmn1r66
922	Vmn1r71
923	Vmn1r72
924	Vmn1r74
925	Vmn1r75
926	Vmn1r81
927	Vmo1
928	Wdr25
929	Wee2
930	Wfdc2
931	Wif1
932	Ydjc
933	Zfa
934	Zfp14
935	Zfp161
936	Zfp385c
937	Zfp395
938	Zfp518a
939	Zfp54
940	Zfp595
941	Zfp619
942	Zfp708
943	Zfp715
944	Zfp800
945	Zfp931
946	Zfp945
947	Zfp958
948	Zfp959
949	Zic3
950	Zim1
951	Zkscan4
952	Zobp2