




Genes expressed by [CA1 Pyramidal cells](#)

Positive	
1	42622
2	6330403A02Rik
3	Abi1
4	Alas1
5	Anks1b
6	Aplp1
7	Arpc4
8	Arpc5
9	Atp6v1g2
10	Braf
11	Camta2
12	Carkd
13	Cnksr2
14	Cog5
15	Crmp1
16	Cyp4a28-ps
17	Dars
18	Dctn2
19	Dimt1
20	Dnase1l2
21	Dyrk2
22	Efna3
23	Epha6
24	Ern2
25	Esyt2
26	Exoc6b
27	Faah
28	Fibcd1
29	Fkbp1a
30	Flad1
31	Foxn1
32	Gas2
33	Gm1834
34	Gm5069
35	Hspd1
36	Itm2b
37	Ivd
38	Jakmip1
39	Jph4
40	Katna1
41	Kcnn2
42	Ksr1
43	LOC383319
44	Lphn3
45	Lrrn2
46	Maged1
47	Mmd
48	Mpi
49	Mrfap1
50	Mrpl11
51	Mrpl53
52	Mtmr1

53	Naca
54	Ncbp1
55	Ndnf2
56	Nfkbiz
57	Nlgn3
58	Nmt1
59	Osbpl6
60	Parp1
61	Pfn1
62	Phf10
63	Pkp2
64	Plxna1
65	Por
66	Prkab2
67	Prrc1
68	Ptma
69	Ptprg
70	Rab8b
71	Rchy1
72	Rhob
73	Rnf145
74	Rpl14
75	Rps14
76	Serbp1
77	Sh3rf1
78	Shisa7
79	Slc9a2
80	Sod2
81	Srrm1
82	Sstr4
83	St13
84	St6galnac5
85	Timm13
86	Tmem167b
87	Tmod2
88	Tnfrsf6
89	Trim2
90	Trip12
91	U2af2
92	Zdhc7
93	Zer1

 Genes not expressed by [CA1 Pyramidal cells](#)

Negative	
1	42619
2	42625
3	0610009B22Rik
4	0610009L18Rik
5	1100001G20Rik
6	1110008E08Rik
7	1110012L19Rik
8	1110020C17Rik
9	1200016B10Rik

10	1300002K09Rik
11	1300015D01Rik
12	1600012P17Rik
13	1600014C23Rik
14	1700007G11Rik
15	1700007K13Rik
16	1700008F21Rik
17	1700012B07Rik
18	1700015E13Rik
19	1700015F17Rik
20	1700018A04Rik
21	1700020N01Rik
22	1700021C14Rik
23	1700021F07Rik
24	1700021O21Rik
25	1700024P04Rik
26	1700025F22Rik
27	1700028J19Rik
28	1700028K03Rik
29	1700029F12Rik
30	1700030F18Rik
31	1700031A10Rik
32	1700031F05Rik
33	1700034I23Rik
34	1700034J05Rik
35	1700040F17Rik
36	1700041G16Rik
37	1700048Q20Rik
38	1700049G17Rik
39	1700049J03Rik
40	1700052N19Rik
41	1700056E22Rik
42	1700057G04Rik
43	1700057H15Rik
44	1700066B19Rik
45	1700066J24Rik
46	1700084K02Rik
47	1700094D03Rik
48	1700106J16Rik
49	1700108F19Rik
50	1700111E14Rik
51	1700128E19Rik
52	1810012P15Rik
53	1810018F18Rik
54	1810019J16Rik
55	1810022K09Rik
56	1810033F07Rik*
57	1810065E05Rik
58	2010007H06Rik
59	2310001K24Rik
60	2310005G13Rik
61	2310007B03Rik
62	2310009B15Rik
63	2310033E01Rik
64	2310040G07Rik
65	2310047D07Rik
66	2310057J18Rik

67	2310069G16Rik
68	2410017P09Rik
69	2410088K16Rik
70	2410124H12Rik
71	2410137M14Rik
72	2410141K09Rik
73	2510049J12Rik
74	2610027L16Rik
75	2610201A13Rik
76	2610507I01Rik
77	2700023E23Rik
78	2810006K23Rik
79	2810032G03Rik
80	2810043O03Rik
81	2810055F11Rik
82	2810442I21Rik
83	2900060B14Rik
84	3110003A17Rik
85	3110021N24Rik
86	3426406K10Rik*
87	3830417A13Rik
88	4631405J19Rik
89	4732440D04Rik
90	4732465J04Rik
91	4732490P12
92	4832428G11Rik
93	4833423E24Rik
94	4833442J19Rik
95	4833444G19Rik
96	4833447P13Rik
97	4921507L20Rik
98	4921508M14Rik
99	4921513H07Rik
100	4921517D22Rik
101	4921531P07Rik
102	4922505E12Rik
103	4930404H21Rik
104	4930430F08Rik
105	4930430O22Rik
106	4930432F04Rik
107	4930432K09Rik
108	4930432M17Rik
109	4930442G15Rik
110	4930449A18Rik
111	4930451E10Rik
112	4930463O16Rik
113	4930468A15Rik
114	4930469G21Rik
115	4930474M22Rik
116	4930479M11Rik
117	4930483J18Rik
118	4930486L24Rik
119	4930488N24Rik
120	4930517O19Rik
121	4930519H02Rik
122	4930522N08Rik
123	4930524O08Rik

124	4930533L02Rik
125	4930535E06Rik*
126	4930541O19Rik
127	4930546K05Rik
128	4930550L24Rik
129	4930557A04Rik
130	4930558G23Rik*
131	4930560A13Rik*
132	4930562A09Rik
133	4930563E22Rik
134	4930564D02Rik
135	4930566N20Rik
136	4930568D16Rik
137	4930568M16Rik*
138	4930569F06Rik
139	4930570N19Rik*
140	4930578I07Rik
141	4930592A05Rik
142	4930596D02Rik
143	4930597A21Rik
144	4930597L12Rik
145	4930597O21Rik
146	4931428F04Rik
147	4931429P17Rik
148	4932422M17Rik
149	4932430N15Rik*
150	4932431P20Rik
151	4933400A11Rik
152	4933400F03Rik
153	4933402J07Rik
154	4933406G16Rik
155	4933406J08Rik
156	4933407E24Rik
157	4933408J17Rik
158	4933425L06Rik
159	4933426D04Rik
160	4933427E13Rik
161	4933430I17Rik
162	4933430N04Rik
163	4933434C23Rik
164	4933434I20Rik
165	4933435G04Rik
166	5033414D02Rik
167	5033430I15Rik
168	5330432E05Rik
169	5430411C19Rik
170	5430419D17Rik
171	5730455O13Rik
172	5730559C18Rik
173	5730585A16Rik
174	5930412G12Rik
175	6030445D17Rik
176	6230409E13Rik
177	6330410L21Rik
178	6430567L13Rik*
179	6530411M01Rik
180	6720419K19Rik*

181	7420426K07Rik
182	7420444D23Rik*
183	8030411F24Rik
184	8030474K03Rik
185	8430408G22Rik
186	8430417E04Rik*
187	9030418K01Rik
188	9030419F21Rik
189	9130019O22Rik
190	9130227L01Rik
191	9230109C12Rik*
192	9230119M08Rik*
193	9330003I22Rik*
194	9330158H04Rik
195	9330161L09Rik
196	9430029A11Rik
197	9430091E24Rik
198	9530002B09Rik
199	9530020I12Rik
200	A130023E24Rik
201	A230004M16Rik
202	A230028O05Rik
203	A230035D19Rik*
204	A230052G05Rik
205	A230065H16Rik
206	A230072I06Rik
207	A330079A07Rik*
208	A330089M16Rik*
209	A3galt2
210	A430002G09Rik*
211	A430048G15Rik
212	A430078G23Rik
213	A530030B07Rik*
214	A530032D15Rik
215	A530058O07Rik
216	A530075A22Rik*
217	A530086A05Rik*
218	A630033H20Rik
219	A630073D07Rik
220	A730013O20Rik
221	A730024G14Rik*
222	A730045E13Rik
223	A730049H05Rik
224	A830023I12Rik
225	A830029E22Rik
226	A830080D01Rik
227	A830093I24Rik
228	A930003A15Rik
229	A930031F24Rik*
230	A930033C23Rik
231	Aanat
232	Abcc6
233	Abi3bp
234	Abp1
235	Abpz
236	Acadl
237	Acap1

238	Accs
239	Ace
240	Ace3
241	Acer3
242	Acot4
243	Acp5
244	Acrv1
245	Acsm4
246	Actbl2
247	Acy3
248	Adam24
249	Adam25
250	Adam6a
251	Adam8
252	Adamdec1
253	Adamts13
254	Adamts3
255	Adcyap1
256	Adh6b
257	Adora2a
258	Adora3
259	Adra2b
260	AF067063
261	AF119384
262	AF366264
263	Afap1l2
264	Agrp
265	Agt
266	Ahsp
267	Al428898
268	Al450948
269	Al506816
270	Airm
271	Ak8
272	Akr1c20
273	Alb
274	Aldh8a1
275	Aldh9a1
276	Alox12e
277	Amacr
278	Ambp
279	Amn
280	Angptl4
281	Ankdd1b
282	Ankfn1
283	Ankrd22
284	Ankrd36
285	Ano1
286	Ano2
287	Anxa2
288	Anxa4
289	Aox4
290	Apcs
291	Aplf
292	Apobec3
293	Apobec4
294	Apol9a

295	Aqp1
296	Aqp7
297	Arg1
298	Arhgap42
299	Arrdc2
300	Art2a-ps
301	Art2b
302	Art4
303	Asb12
304	Asb2
305	Asb4
306	Asf1a
307	Aste1
308	Asz1
309	Atp2a3
310	Atp2c1
311	Atp2c2
312	Atp6v0e
313	Atp6v1c2
314	Atp8b5
315	Atpbd4
316	AU015836
317	AU022252
318	Avp
319	AW112010
320	Aym1
321	B020004J07Rik
322	B020018G13Rik*
323	B020018I07Rik*
324	B130016D09Rik
325	B230209K01Rik
326	B230373P09Rik
327	B3gnt5
328	B3gnt6
329	B430209F14Rik
330	B530045E10Rik
331	B930086A06Rik
332	Baat
333	Baiap2I1
334	Baiap2I2
335	Baiap3
336	BC006965
337	BC016579
338	BC021785
339	BC021891
340	BC023105
341	BC026585
342	BC027092
343	BC034076
344	BC040756
345	BC049688
346	BC051076
347	BC052688
348	BC055004
349	BC088983
350	BC089491
351	BC094916

352	BC125332
353	Bcl2a1b
354	Bend3
355	Best2
356	Bet1
357	Bet1l
358	Bhmt
359	Bmp8b
360	Bnc2
361	Bpifa2
362	Bpifa3
363	Bpifb2
364	Bpifb9a
365	Bpifc
366	Brd4
367	Bsnd
368	Bspry
369	Btbd16
370	Btbd19
371	C130036L24Rik
372	C1qb
373	C230015M18Rik*
374	C230071H21Rik*
375	C230090A06Rik*
376	C430049B03Rik
377	C4bp
378	C530043A13Rik
379	C530050E15Rik
380	C630028M04Rik
381	C630030K01Rik*
382	C630050I24Rik
383	C730034F03Rik
384	C87499
385	C8g
386	C920025C15Rik*
387	Cabyr
388	Calca
389	Calcb
390	Calcr
391	Calm14
392	Camp
393	Capg
394	Cartpt
395	Casp14
396	Casp8ap2
397	Casq2
398	Cast
399	Catsperb
400	Cbln3
401	Cbx2
402	Ccb1l
403	Ccadc108
404	Ccadc122
405	Ccadc17
406	Ccadc42
407	Ccadc46
408	Ccadc78

409	Ccdc88b
410	Ccl1
411	Ccl7
412	Ccl8
413	Ccnb1
414	Ccnb2
415	Ccnd2
416	Ccno
417	Ccnyl1
418	Ccri2
419	Cct8l1
420	Cd177
421	Cd200r1
422	Cd200r3
423	Cd209b
424	Cd300e
425	Cd36
426	Cd44
427	Cd96
428	Cdh17
429	Cdh23
430	Cdhr4
431	Cdk20
432	Ceacam10
433	Ceacam15
434	Cenpo
435	Ces2b
436	Ces2f
437	Ces5a
438	Cetn1
439	Ch25h
440	Chi3l4
441	Chia
442	Chml
443	Chrna3
444	Chrb1
445	Chrb3
446	Chtf18
447	Cideb
448	Clca6
449	Clcnka
450	Clcnkb
451	Cldn22
452	Cldn4
453	Cldn6
454	Cldn8
455	Clec18a
456	Clec3a
457	Clec4a1
458	Clec4a2
459	Clec4a3
460	Clec4d
461	Cml2
462	Cml3
463	Cmtm7
464	Cnksr3
465	Cnot6

466	Cntln
467	Col18a1
468	Col6a3
469	Colq
470	Cox16
471	Cox18
472	Cox7a1
473	Cox7b2
474	Cox7c
475	Cpa1
476	Cpa6
477	Crabp1
478	Crabp2
479	Crisp1
480	Crygb
481	Cryge
482	Crygn
483	Cryz
484	Csf2rb2
485	Csprs
486	Csrp2
487	Cst9
488	Cthrc1
489	Cts7
490	Ctsll3
491	Cul7
492	Cwc15
493	Cxcl3
494	Cxcl5
495	Cyb5rl
496	Cylc1
497	Cyp2c70
498	Cyp2t4
499	Cyp39a1
500	Cyp3a13
501	Cyp3a25
502	Cypt3
503	Cypt4
504	Cyth4
505	Cytip
506	D030024E09Rik
507	D0H4S114
508	D130047A11Rik*
509	D230040P08Rik*
510	D330041B21Rik
511	D530049N12Rik
512	D630023F18Rik
513	D630033Q11Rik
514	D630036G22Rik
515	D630037F22Rik
516	D630039A03Rik
517	D630044L22Rik
518	D630045M09Rik
519	D730003I15Rik
520	D730006F09Rik*
521	D830050J10Rik
522	D930017J03Rik

523	D930026C10Rik*
524	D930028M14Rik
525	Dazap1
526	Dbh
527	Dck
528	Dcst1
529	Dcstamp
530	Ddc
531	Ddit4l
532	Ddx3y
533	Ddx59
534	Decr1
535	Def6
536	Defb19
537	Defb36
538	Defb45
539	Defb50
540	Dennd2d
541	Depdc1b
542	Det1
543	Dhrs2
544	Dhrs9
545	Dhx58
546	Dmp1
547	Dmrta1
548	Dnaic1
549	Dnaic19
550	Dnaic22
551	Dnase2a
552	Dnmt3l
553	Doxl2
554	Dph3
555	Dppa2
556	Dpy19l4
557	Drd1a
558	Dsp
559	Dusp21
560	Dusp23
561	Duxbl
562	E030002O03Rik
563	E030011O05Rik
564	E030013D07Rik*
565	E030019B06Rik
566	E030025L23Rik*
567	E030034C22Rik
568	E130114P18Rik
569	E330012B07Rik
570	E330037P12Rik*
571	Ear14
572	Ears2
573	Ebf3
574	Efha1
575	Efhd1
576	Eif4ebp1
577	Elov17
578	Emp3
579	Emx2

580	En1
581	En2
582	Endog
583	Enpep
584	Enpp3
585	Enpp7
586	Entpd8
587	Eomes
588	Epb4.1l5
589	Epha1
590	Epo
591	Eras
592	Eri1
593	Erich1
594	Ermap
595	Esr1
596	Esr2
597	Esyt1
598	Esyt3
599	Etaa1
600	F10
601	F430010L17Rik*
602	F5
603	F530002G13Rik*
604	F530007B04Rik*
605	F630018O14Rik*
606	F630049H13Rik*
607	F630113I08Rik*
608	F630201J21Rik*
609	F630306D02Rik*
610	F730049H03Rik*
611	F730205C23Rik*
612	F730214C23Rik*
613	F830001D05Rik*
614	F830002L21Rik
615	F830108O16Rik*
616	F830201C10Rik*
617	F830205F14Rik*
618	F830208N12Rik*
619	F830212M06Rik*
620	F830220E19Rik*
621	F830225E14Rik*
622	F930007G17Rik*
623	F930037H19Rik*
624	F930106M21Rik*
625	Fabp7
626	Fam115c
627	Fam151b
628	Fam162b
629	Fam184a
630	Fam194a
631	Fam19a4
632	Fam3b
633	Fam45a
634	Fam46b
635	Fam65c
636	Fam83e

637	Fancb
638	Fbxo17
639	Fbxo30
640	Fbxo4
641	Fcnb
642	Fcrl1
643	Fermt3
644	Fezf1
645	Fgf4
646	Fgg
647	Fhdc1
648	Figla
649	Fign
650	Fkbp11
651	Flq2
652	Fmo2
653	Fmo6
654	Fmo9
655	Folr1
656	Foxa3
657	Fpr-rs3
658	Fpr2
659	Frem2
660	Ftcd
661	Fxyd3
662	Fxyd4
663	G630005L12Rik*
664	G630016D24Rik
665	G630070P10Rik*
666	G630082H20Rik*
667	G730044K14Rik*
668	GA_x5J8B7TQSKC-412-5
669	Gabra6
670	Gabre
671	Gabrg1
672	Gabrg
673	Gal
674	Galr1
675	Gbp6
676	Gbx2
677	Gch1
678	Gchfr
679	Gcnt3
680	Gdf2
681	Gdpd4
682	Gemin6
683	Ggt1
684	Gh
685	Ghrh
686	Ghrhr
687	Gjd3
688	Gjd4
689	Gla
690	Glb1l
691	Glb1l2
692	Gldn
693	Glod5

694	Glp1r
695	Gla1
696	Gla3
697	Glud1
698	Gm10037
699	Gm10057
700	Gm10499
701	Gm10549
702	Gm11458
703	Gm1199
704	Gm12169
705	Gm12580
706	Gm128
707	Gm1302
708	Gm1320
709	Gm1323
710	Gm13749
711	Gm14200
712	Gm14543
713	Gm14644
714	Gm1540
715	Gm156
716	Gm1562
717	Gm15688
718	Gm1571
719	Gm1592
720	Gm1630
721	Gm16486
722	Gm1667
723	Gm1724
724	Gm1747
725	Gm17745
726	Gm17749
727	Gm1968
728	Gm324
729	Gm3392
730	Gm38
731	Gm381
732	Gm442
733	Gm4774
734	Gm4791
735	Gm4801
736	Gm4952
737	Gm4955
738	Gm4956
739	Gm497
740	Gm5092
741	Gm5127
742	Gm5146
743	Gm5172
744	Gm5247
745	Gm5265
746	Gm5368
747	Gm5401
748	Gm5431
749	Gm5478
750	Gm5494

751	Gm5533
752	Gm5546
753	Gm5547
754	Gm5585
755	Gm5664
756	Gm5793
757	Gm590
758	Gm5918
759	Gm5938
760	Gm609
761	Gm6288
762	Gm6420
763	Gm6653
764	Gm6658
765	Gm6792
766	Gm684
767	Gm711
768	Gm732
769	Gm7467
770	Gm766
771	Gm777
772	Gm799
773	Gm806
774	Gm810
775	Gm816
776	Gm824
777	Gm831
778	Gm8656
779	Gm884
780	Gm896
781	Gm97
782	Gm9732
783	Gm9805
784	Gm9991
785	Gmcl1l
786	Gna14
787	Gna15
788	Gng4
789	Gngt1
790	Golga4
791	Gp2
792	Gpatch4
793	Gpha2
794	Gphb5
795	Gpr114
796	Gpr115
797	Gpr119
798	Gpr139
799	Gpr141
800	Gpr151
801	Gpr35
802	Gpr6
803	Gpr65
804	Gpr77
805	Gpr87
806	Gpr88
807	Gprc5a

808	Gprin3
809	Gpx3
810	Grb10
811	Grid2ip
812	Grin3b
813	Grm2
814	Gsdma
815	Gsta3
816	Gstm2
817	Gstt1
818	Gt(ROSA)26Sor
819	Gucy1b2
820	Gvin1
821	Gxylt1
822	Gykl1
823	Gylt1b
824	Gzma
825	Gzmk
826	H19
827	H2-Eb1
828	H2-Ke6
829	H2-M1
830	H2-M10.1
831	H2-Oa
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1790	Zfp958
1791	Zfp959
1792	Zqlp1
1793	Zic1
1794	Zic3
1795	Zim1
1796	Znrf3
1797	Zpbp2
1798	Zscan10