

Table S6

Cluster ID	ABI2023_subclass	Custom_name	Region	MainNT	subclass_color
0	DG Glut	DG	HPF	Glut	#CC2400
1	L2/3 IT CTX Glut	L2/3 IT CTX	CTX	Glut	#E9530F
2	L4/5 IT CTX Glut	L4/5 IT CTX	CTX	Glut	#3DCCB7
3	CA1-ProS Glut	CA1-ProS	HPF	Glut	#0F3466
4	L6 CT CTX Glut	L6 CT CTX	CTX	Glut	#34661F
5	PVALB Gaba	Pvalb	MGE	GABA	#661F3B
6	CA3 Glut	CA3	HPF	Glut	#C973FF
7	SST Gaba	Sst	MGE	GABA	#99F2FF
8	MEA Slc17a7 Glut,COAp Grxcr2 Glut,LA-BLA-BMA- PA Glut	Amyg	Amygdala	Glut	#456C99
10	VIP Gaba, Sncg Gaba, RHP-COA Ndnf Gaba	Vip/Sncg	CGE	GABA	#663D47
11	L6b CT ENT Glut,L6b CT CTX Glut	L6b CT	CTX/ENT	Glut	#9EFF99
12	L6 IT CTX Glut	L6 IT CTX	CTX	Glut	#C0FF4D
13	L5 IT CTX Glut	L5 IT CTX	CTX	Glut	#660F38
14	L2/3 IT RSP Glut	L2/3 IT RSP	RSP	Glut	#999145
15	L2/3 IT PPP Glut	L2/3 IT PPP	PPP	Glut	#925C99
16	L2/3 IT ENT Glut	L2/3 IT ENT	ENT	Glut	#1F46CC
17	L5 NP Ctx Glut	L5 NP CTX	CTX	Glut	#7B7ACC
18	LSX Nkx2-1 Gaba,LSX Prdm12 Slit2 Gaba, LSX Prdm12 Zeb2 Gaba, 072 LSX Sall3 Lmo1 Gaba	LSX Gaba	Lateral Septal Complex	GABA	#3283FE
19	SUB-ProS Glut	SUB-ProS	HPF	Glut	#FF9999
21	L5 ET CTX Glut	L5 ET CTX	CTX	Glut	#99A2FF
22	CA3 Glut	CA3	HPF	Glut	#C973FF
23	STR D1 Gaba,STR D2 Gaba	STR Gaba	Striatum	GABA	#005B66
24	Lamp5 Gaba	Lamp5	MGE	GABA	#FF764D
25	CT SUB Glut	CT SUB	HPF	Glut	#440066
26	L2/3 IT PIR-ENTI Glut,L2 IT ENT-po Glut	L2/3 IT PIR/ENTI- po	ENT	Glut	#940099
27	L2/3 IT PPP Glut	L2/3 IT PPP	PPP	Glut	#925C99
28	L4 RSP-ACA Glut	L4 RSP-ACA	RSP-ACA	Glut	#FFF226
29	Lamp5 Lhx6 Gaba, Pvalb Chandelier Gaba	Lamp5 Lhx6 / Pvalb Chandelier	MGE/CGE	GABA	#2F992E
31	ENTmv-PA-COAp Glut	ENTmv-PA-COAp	ENT	Glut	#B6CC7A
32	CLA-EPd-CTX Car3 Glut	CLA-EPd-CTX Car3		Glut	#64c2fc
33	L2/3 IT PPP Glut	L2/3 IT PPP	PPP	Glut	#925C99
34	HPF CR Glut	HPF CR	HPF	Glut	#919900

35	L2 IT PPP-APr Glut	L2 IT PPP-APr	PPP	Glut	#0F6632
36	STR-PAL Chst9 Gaba	STR-PAL Chst9	Striatum	GABA	#967B09
39	L5 ET CTX Glut	L5 ET CTX	CTX	Glut	#99A2FF