Low level labels 10 JMAP_2 -10-10 -5 10 0 5 UMAP 1 Inh L1–2 SST CLIC6 Inh L5 Astro L1 FGFR3 SERPINI2 Exc L5 THEMIS SLC22A18 Inh L1–6 VIP SLC7A6OS Astro L1-6 FGFR3 AQP1 Exc L5–6 FEZF2 C9orf135–AS1 Inh L1-2 SST PRRT4 Inh L2 VIP SLC6A16 Inh L5-Astro L1-6 FGFR3 PLCG1 Exc L5–6 FEZF2 IFNG–AS1 Inh L1-3 SST FAM20A Inh L2-3 SST NMU Inh L5 Exc L5–6 THEMIS SMYD1 Endo L2-5 NOSTRIN SRGN Inh L1-3 VIP CBLN1 Inh L2-5 PVALB RPH3AL Inh L5 Exc L2 LINC00507 GLRA3 Exc L5–6 THEMIS TNFAIP6 Inh L1-3 VIP CHRNA2 Inh L2-5 VIP SOX11 Inh L5 Inh L5-

- Exc L2-3 RORB CCDC68 Exc L2-3 RORB PTPN3 Exc L3 LAMP5 CARM1P1 Exc L3 RORB OTOGL Exc L3 THEMIS ENPEP Exc L3-5 RORB LINC01202 Exc L3-5 RORB LNX2 Exc L3-5 RORB RPRM Exc L5 FEZF2 CSN1S1
 - Exc L6 FEZF2 KLK7 Exc L6 FEZF2 PROKR2 Exc L6 THEMIS LINC00343 Inh L1 LAMP5 BMP2 Inh L1 LAMP5 PVRL2 Inh L1 PAX6 CHRFAM7A Inh L1 PVALB SST ASIC4 Inh L1 SST DEFB108B Inh L1 SST P4HA3
- Inh L1-3 VIP FNDC1 Inh L1-3 VIP HSPB6 Inh L1-5 VIP SMOC1
- Inh L1-5 VIP LINC01013 Inh L1-6 LAMP5 AARD Inh L1-6 LAMP5 CA1 Inh L1-6 LAMP5 NES Inh L1-6 PVALB COL15A1
- Inh L1-6 SST NPY
- Inh L3 PVALB SAMD13 Inh L3-5 SST GGTLC3 Inh L3-5 VIP IGDCC3 Inh L3–5 VIP TAC3 Inh L3-6 VIP ZIM2-AS1 Inh L5 SST RPL35AP11 Inh L5-6 LAMP5 CRABP1 Inh L5-6 PVALB GAPDHP60 Inh L5-6 PVALB MEPE

Inh L6

Micro I

Oligo L

Oligo L

Oligo L

OPC L

VLMC