Extended Data Figure 19

a cCREs (# ×10³) vs Distance between cCRE and promoter (×10³ bp), 178,911 bp (Median distance)

b cCREs (#), Number of cCREs per target gene

c Chromatin accessibility at promoter regions
GABAergic neurons, Glutamatergic neurons, Non-neurons
129,404 pairs (sorted by module), Modules M1–M38
log₂CPM 0–6

d Top enriched *de novo* motifs
Zf (CTCF) -log *P*-value: 2122
MADS (MEF2D) -log *P*-value: 288
HTH (RFX1) -log *P*-value: 283

e CTCF, MEF2, RFX1 Venn diagram: 952, 921, 1,149, 563, 165, 332, 213

f GO terms (biological process), combined score 0–80
CTCF, MEF2, RFX
axon guidance
regulation of axonogenesis
positive regulation of synaptic transmission
chemical synaptic transmission
long−term synaptic potentiation
axonogenesis
chemical synaptic transmission, postsynaptic
regulation of postsynaptic membrane potentia
mitochondrion distribution
receptor localization to synapse
divalent metal ion transport
regulation of cytoskeleton organization

g RFX motif overlapping cCREs
h MEF2 motif overlapping cCREs

Accessibility: LAMP5, PV, IT-L23, L6b, PT, CT, CA3, PER, MGL, OPC, OGC, ASC
Gene: Kif5a, Cacng2
Motif: RFX, MEF2
Co-access.
mCG level: CGE-Lamp5, MGE-Pvalb, IT-L23, L6b, PT-L5, CT-L6, CA3, PC, MGC, OPC, ODC, ASC
chr10:127,218,220-127,320,050
chr15:77,969,072-78,160,088