

Supplementary Table 1 Abbreviations and their descriptions

Abbreviations	DESCRIPTION
BRG1	brahma related gene 1
BRM	brahma
BAF	BRG1/BRM-associated factor
NSPCs	neural stem/progenitor cells
CNS	central nervous system
SVZ	subventricular zone
LV	lateral ventricle
SGZ	subgranular zone
DG	dentate gyrus
CC	central canal
ESCs	embryonic stem cells
iPSCs	induced pluripotent stem cells
ARP	actin-related protein
npBAF	neural progenitor-specific BAF
nBAF	neuronal BAF
DPF2	double plant homeodomain fingers 2
oNSCs	olfactory neural stem cells
GFAP	glial fibrillary acidic protein
PAX6	paired box protein 6
SCNSC/SCNPC	spinal cord neural stem/progenitor cell
ACTL6A/B	actin-like 6a
REST	rel silencing transcription factor
SS18	synovial sarcoma 18
SMARCE1	swi/snf related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1
OBNSPCs	olfactory bulb-derived neural stem/progenitor cells
hENSCs	human embryonic neural stem/progenitor cells
ICD	intracellular domain
Nrg1	neuregulin-1
OLPs	oligodendrocyte precursors
SMARCD3	swi/snf related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3
SMARCC1/2	swi/snf related, matrix associated, actin dependent regulator of chromatin subfamily c, member 1/2
BPs	basal progenitors
bRGs	basal radial glia progenitors
bIPs	basal intermediate progenitors
CDC42	cell division cycle 42
Foxn4	forkhead box n4

H3K9Ac	histone 3 lysine 9 acetylation
H3K27me2/3	histone 3 lysine 27 di-tri-methylation
DG	dentate gyrus
RGL	radial glial-like
SMARCA4	swi/snf related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
Sox1	sry-box transcription factor 1
SEZ	subependymal zone
OB	olfactory bulb
Nfib	nuclear factor i b
Pou3f4	pou class 3 homeobox 4
NRSF	neuron restrictive silencing factor
ARID1A	AT-rich interaction domain 1a
BRD7/9	bromodomain containing 7/9
CREST	ss1811 subunit of baf chromatin remodeling complex
Neurod1	neuronal differentiation 1
Fezf2	fez family zinc finger 2
Wnt	wingless-type mmtv integration site family
TFs	transcription factors
Tbr1/2	t-box brain transcription factor 1/2
CSS	coffin-siris syndrome
ID	intellectual disability
SMARCB1	swi/snf related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1
WES	whole exome sequencing
NCBRS	nicolaides-baraitser syndrome
ASD	autism spectrum disorder
KSS	kleefstra's syndrome spectrum
EHMT1	euchromatin histone methyltransferase 1
MLL3	lysine methyltransferase 2c, kmt2c
MBD5	methyl-cpg binding domain protein 5
NR1I3	nuclear receptor subfamily 1 group I member 3