

List of Abbreviations

The abbreviations are consistent with those used in our atlas of the adult rat brain (Swanson, 1992a). Italicized abbreviations in illustrations indicate presumptive structures (for example, *ACB* refers to the presumptive nucleus accumbens).

1-6	cerebral cortex, layers 1-6
aa1	aortic arch, first
AAA	anterior amygdaloid area
ac	anterior commissure
ACA	anterior cingulate area
ACB	nucleus accumbens
aco	anterior commissure, olfactory limb
ACVII	accessory facial nucleus
ADP	anterodorsal preoptic nucleus
ae	epithelial area (Hines, '22)
AI	agranular insular area
alv	alveus
act	anterior commissure, temporal limb
ae	epithelial area
AH	Ammon's horn
AHso	Ammon's horn, stratum oriens
Ahsp	Ammon's horn, pyramidal layer
AHA	anterior hypothalamic area
AHNa	anterior hypothalamic nucleus, anterior part
AHNc	anterior hypothalamic nucleus, central part
AHNd	anterior hypothalamic nucleus, dorsal part
AHNp	anterior hypothalamic nucleus, posterior part
AI	agranular insular area
ain	area intercalata (Hines, '22)
AL	pituitary gland, anterior lobe
ALL	allantois
alr	anterolateral ridge
alv	alveus
AMB	nucleus ambiguus
AMBd	nucleus ambiguus, dorsal division
AMBv	nucleus ambiguus, ventral division
AMN	amnion
AMY	amygdala
ANT	anterior level, hypothalamus
AOB	accessory olfactory bulb
AOBgl	accessory olfactory bulb, glomerular layer
AOBmi	accessory olfactory bulb, mitral layer
AON	anterior olfactory nucleus
AONe	anterior olfactory nucleus, external part
AONI	anterior olfactory nucleus, lateral part

AONm	anterior olfactory nucleus, medial part
AONpv	anterior olfactory nucleus, posteroventral part
AP	area postrema
apd	ansa peduncularis
APL	alar plate
APN	anterior pretectal nucleus
AQ	cerebral aqueduct
AQir	cerebral aqueduct, isthmal recess
AR	amygdalar ridge
arb	arbor vitae
arc	archenteron
ard	dorsal arch, telencephalic vesicle
ARH	arcuate nucleus hypothalamus
ARsbv	amygdalar ridge, subventricular layer
art	histological artifact
AT	anterior tegmental nucleus
ATL	atlas
ATN	anterior nuclei, dorsal thalamus
AUD	auditory areas
avec	ventral angle, caudal
aver	ventral angle, rostral
AVP	anteroventral preoptic nucleus
B	Barrington's nucleus
BA	bed nucleus accessory olfactory tract
BAC	bed nucleus anterior commissure
BAP	basal plate
bar1	1st branchial arch
BG	basal nuclei (ganglia), telencephalon
bic	brachium of the inferior colliculus
BLAa	basolateral nucleus amygdala, anterior part
BLAp	basolateral nucleus amygdala, posterior part
BMAa	basomedial nucleus amygdala, anterior part
BMAp	basomedial nucleus amygdala, posterior part
BNSbv	basal nuclei, subventricular layer
bpo1-3	branchial pouches 1-3
BRP	brain plate
bsc	brachium of the superior colliculus
BST	bed nuclei stria terminalis
BSTpr	bed nuclei stria terminalis, principal nucleus
BSTse	bed nuclei stria terminalis, posterior division, strial extension
C	central canal, spinal cord/medulla
Ca	caudal
CA1-3	fields CA1-CA3, Ammon's horn
CA1-3slm	fields CA1-CA3, stratum lacunosum-moleculare
CA1-3so	fields CA1-CA3, stratum oriens
CA1-3sp	fields CA1-CA3, pyramidal layer

CA1-3sr	fields CA1-CA3, stratum radiatum
cal	callosal layer, cortical neural tube (Bayer and Altman, '91)
cas	corticoamygdalar sulcus (GAB)
CB	cerebellum
cbc	cerebellar commissure
CBm	cerebellum, molecular layer
CBog	cerebellum, outer granule cell layer
cbs	corticobasal sulcus
CBX	cerebellar cortex
CBXg	cerebellar cortex, inner granule cell layer
CBXm	cerebellar cortex, molecular layer
CBXog	cerebellar cortex, outer granule cell layer
CBXp/g	cerebellar cortex, Purkinje/inner granule cell layers
cc	corpus callosum
cha	choroidal area (Hines, '22)
cic	commissure of the inferior colliculus
cing	cingulum bundle
cgg	corpus callosum, genu
ccr	corpus callosum, rostrum
ccs	corpus callosum, splenium
CEA	central nucleus amygdala
cf	cephalic flexure
chf	choroid fissure
chp	choroid plexus
CL	central lateral nucleus thalamus
CLA	claustrum
CLI	central linear nucleus raphé
CM	central medial nucleus thalamus
CMVE	caudal medullary vellum
CN	cochlear nuclei
CNG	cingulate region
COA	cortical nucleus amygdala
COApl	cortical nucleus amygdala, posterolateral part
COApm	cortical nucleus amygdala, posteriomedial part
cor	cornea
cos	conjunctival sac
CP	caudoputamen
cpd	cerebral peduncle
cpl	cortical plate
cps	cerebellopontine sulcus
CS	superior central nucleus raphé
CSl	superior central nucleus raphé, lateral part
CSm	superior central nucleus raphé, medial part
csc	commissure of the superior colliculus
css	corticostriatal sulcus
cst	corticospinal tract

CTX1	cerebral cortex, layer 1
CTXcpl	cerebral corte, cortical plate
CTXil	cerebral corte, intermediate layer
CTXild	cerebral corte, intermediate layer, deep sublayer
CTXl	cerebral cortex, lateral part
CTXm	cerebral cortex, medial part
CTXsbv	cerebral cortex, subventricular layer
CTXsp	cerebral cortex, subplate
CTXven	cerebral cortex, ventricular layer
CU	cuneate nucleus
cuf	cuneate fascicle
CUN	cuneiform nucleus
cvb	efferent cochleovestibular bundle
dc	dorsal columns
DCN	dorsal column nuclei
DCO	dorsal cochlear nucleus
DG	dentate gyrus
DGIb	dentate gyrus, lateral blade
Dgmb	dentate gyrus, medial blade
Dgmo	dentate gyrus, molecular layer
DGpo	dentate gyrus, polymorph layer
DGsg	dentate gyrus, granule cell layer
DH	dorsal horn
dhc	dorsal hippocampal commissure
DI	diencephalon
dl	dorsolateral fascicle
DMH	dorsomedial nucleus hypothalamus
DMHa	dorsomedial nucleus hypothalamus, anterior part
DMHp	dorsomedial nucleus hypothalamus, posterior part
DMHv	dorsomedial nucleus hypothalamus, ventral part
dmj	dimesencephalic junction
DMX	dorsal motor nucleus vagus nerve
DNC	deep cerebellar nuclei
Do	dorsal
DOR	dorsal thalamus
DORc	dorsal thalamus, caudodorsal part (e12)
DORr	dorsal thalamus, rostroventral part (e12)
DR	dorsal nucleus raphé
drp	diencephalic roof plate
DRG	dorsal root ganglion
dscp	decussation superior cerebellar peduncle
dtd	dorsal tegmental decussation
dtj	ditelencephalic junction
DTN	dorsal tegmental nucleus [Gudden]
ec	external capsule
ECD	ectoderm

ECU	external cuneate nucleus
edu	endolymphatic duct
ee	extreme capsule
em	external medullary lamina thalamus
ems	external mesencephalic-diencephalic sulcus
EN	endoderm
ENT	entorhinal area
ENTm	entorhinal area, medial part
ENTl	entorhinal area, lateral part
eom	extraocular muscles
EP	endopiriform nucleus
EPI	epithalamus
epe	ependymal layer
ets	external thalamic sulcus
EW	Edinger-Westphal nucleus
eyl	eyelid
fa	corpus callosum, anterior forceps
FB	forebrain
FBV	forebrain ventricle
fi	fimbria
FF	fields of Forel
FG	foregut
fp	corpus callosum, posterior forceps
fpl	floor plate
fr	fasciculus retroflexus
FRO	frontal region
FRP	frontal pole
FS	fundus of the striatum
fx	columns of the fornix
fxpr	precommissural fornix
GEN	geniculate nuclei, dorsal thalamus
GIX	glossopharyngeal, vagal ganglia
GP	globus pallidus
GPI	globus pallidus, lateral segment
Gpm	globus pallidus, medial segment
GR	gracile nucleus
GRN	gigantocellular reticular nucleus
GU	gustatory area
GV	trigeminal ganglion
GVII, VIII	facial, vestibulocochlear ganglia
gVIIIn	genu of the facial nerve
GvVIII	vestibular ganglion
H	heart
HB	hindbrain
hbc	habenular commissure
hd	hepatic diverticulum

hf	hippocampal fissure
HG	hindgut
HIP	hippocampal region
Hn	Hensen's node
hp	hypophysial placode
HPFv	hippocampal formation, ventral region
hrp	hindbrain roof plate
hs	hippocampal sulcus
HY	hypothalamus
IA	intercalated nuclei amygdala
IAD	interanterodorsal nucleus thalamus
IC	inferior colliculus
icp	inferior cerebellar peduncle
IF	interfascicular nucleus
IG	induseum griseum
IGL	lat. genicul. complex, intergeniculate leaflet
IH	intermediate gray spinal cord
III	oculomotor nucleus
IIn	optic nerve
il	cerebral cortex, intermediate layer
ild	cerebral cortex, intermediate layer, deep sublayer
ils	cerebral cortex, intermediate layer, superficial sublayer
IL	pituitary gland, intermediate lobe
ILA	infralimbic area
im	internal medullary lamina thalamus
In	olfactory nerve
INC	interstitial nucleus of Cajal
INF	infundibulum
INS	insular region
int	internal capsule
IO	inferior olivary complex
IOda	inferior olivary complex, dorsal accessory olive
IOma	inferior olivary complex, medial accessory olive
IOpr	inferior olivary complex, principal olive
IPN	interpeduncular nucleus
isl	islands of Calleja (olfactory tubercle)
islm	major island of Calleja
ISN	inferior salivatory nucleus
ISO	isocortex
ISO1	isocortex, layer 1
ISOcpl	isocortex, cortical plate
ISOild	isocortex, intermediate layer, deep sublayer
ISOilv	isocortex, intermediate layer, ventral extension
ISOsbv	isocortex, subventricular layer
ISOsp	isocortex, subplate
ISOven	isocortex, ventricular layer

IV	trochlear nucleus
IVF	interventricular foramen
IVn	trochlear nerve
IX, Xn	glossopharyngeal, vagus nerves
LA	lateral nucleus amygdala
lam	lamina terminalis
LAV	lateral vestibular nucleus
Lb	bony labyrinth
LC	locus coeruleus
LD	lateral dorsal nucleus thalamus
LDT	laterodorsal tegmental nucleus
le	lens
let	epithelial lamina, telencephalon (Hines)
lf	lateral funiculus
LG	lateral geniculate complex
LGd	lateral geniculate complex, dorsal part
LGv	lateral geniculate complex, ventral part
LH	lateral habenula
LHA	lateral hypothalamic area
ll	lateral lemniscus
LM	lateral mammillary nucleus
Lme	membranous labyrinth
lot	lateral olfactory tract
LP	lateral posterior nucleus thalamus
LPO	lateral preoptic area
LRN	lateral reticular nucleus
LRNm	lateral reticular nucleus, magnocellular part
LRNp	lateral reticular nucleus, parvicellular part
LS	lateral septal nucleus
LSd	lateral septal nucleus, dorsal part
LSI	lateral septal nucleus, intermediate part
LSv	lateral septal nucleus, ventral part
LT	lateral terminal n. accessory optic tract
M	mouth (oral cavity)
MA	magnocellular preoptic nucleus
MAM	mammillary level, hypothalamus
mar	marginal layer, neural tube
MARN	magnocellular reticular nucleus
MAX	maxillary process
MB	midbrain
MBO	mammillary body
mcp	middle cerebellar peduncle
mct	medial corticohypothalamic tract
MD	mediodorsal nucleus thalamus
MDRN	medullary reticular nucleus
MDRNd	medullary reticular nucleus, dorsal part

MDRNv	medullary reticular nucleus, ventral part
mds	mesencephalic-diencephalic sulcus
ME	median eminence
MEA	medial nucleus amygdala
MEAa	medial nucleus amygdala, anterior part
MEAp	medial nucleus amygdala, posterior part
MEApd	medial nucleus amygdala, posterodorsal part
MEPO	median preoptic nucleus
MEV	mesencephalic nucleus of the trigeminal
mem1	mesomere 1
mem 2	mesomere 2
MES	mesoderm
mf	medial forebrain bundle
MG	medial geniculate complex
MH	medial habenula
MID	midline nuclei, dorsal thalamus
ml	medial lemniscus
mlf	medial longitudinal fascicle
MM	medial mammillary nucleus
MMme	medial mammillary nucleus, median part
MN	mandibular process
mns	median sulcus, telencephalon medium (Rakic & Yakovlev)
MO	motor areas
MOBgl	main olfactory bulb, glomerular layer
MOBgr	main olfactory bulb, granule cell layer
MOBipl	main olfactory bulb, inner plexiform layer
MOBmar	main olfactory bulb, marginal layer
MOBmi	main olfactory bulb, mitral layer
MOBmtl	main olfactory bulb, mantle layer
MOBopl	main olfactory bulb, outer plexiform layer
MOBsbv	main olfactory bulb, subventricular layer
MOBven	main olfactory bulb, ventricular layer
MOp	primary motor area
MOs	secondary motor areas
moV	motor root of the trigeminal nerve
mp	mammillary peduncle
MPO	medial preoptic area
MPN	medial preoptic nucleus
MPNc	medial preoptic nucleus, central part
MRN	mesencephalic reticular nucleus
mrp	medullary roof plate
MS	medial septal nucleus
MSC	medial septal complex
mtg	mammillotegmental tract
mtl	mantle layer, neural tube
mtt	mammillothalamic tract

mtV	mesencephalic tract of the trigeminal
MV	medial vestibular nucleus
MVE	medullary vellum
MY	medulla
NB	nucleus brachium inferior colliculus
nch	notochord
ncp	notochordal plate
NCR	neural crest
ND	nucleus of Darkschewitsch
NDB	nucleus of the diagonal band
NE	neuroepithelium
nfo	neural fold
ng	neural groove
NI	nucleus incertus
NIS	nucleus intercalatus
NL	pituitary gland, neural lobe
NLL	nucleus of the lateral lemniscus
NOT	nucleus of the optic tract
NLOT	nucleus of the lateral olfactory tract
NPC	nucleus of the posterior commissure
NPL	neural plate
NPLdi	neural plate, diencephalic part
NR	nucleus of Roller
NSM	bed nucleus stria medullaris
nsp	nasal septum
NTB	nucleus of the trapezoid body
NTS	nucleus of the solitary tract
NTSco	nucleus of the solitary tract, commissural part
NTSge	nucleus of the solitary tract, gelatinous part
NTSl	nucleus of the solitary tract, lateral part
NTSm	nucleus of the solitary tract, medial part
OB	olfactory bulb
OBgl	olfactory bulb, glomerular layer
OBgr	olfactory bulb, granule cell layer
OBmi	olfactory bulb, mitral layer
OBmtl	olfactory bulb, mantle layer
Obopl	olfactory bulb, outer plexiform layer
OBSbv	olfactory bulb, subventricular layer
OCB	occipital bone
OCC	occipital region
och	optic chiasm
OCP	occipital pole
ole	olfactory epithelium
OLF	olfactory (rhinal) cortex
olp	olfactory placode
olpi	olfactory pit

OLV	olfactory vesicle
OP	olivary pretectal nucleus
opf	optic fovea (optic fossa)
opm	oropharyngeal membrane
opt	optic tract
OPV	optic vesicle
ORB	orbital area
ORP	oral plate
os	optic stalk
OT	olfactory tubercle
OT3	olfactory tubercle, layer 3
P	pons
PA	posterior nucleus amygdala
PAA	piriform-amygdaloid area
PAB	parietal bone
PAG	periaqueductal gray
PAL	pallidum
PAR	parasubiculum
PARN	parvicellular reticular nucleus
PAS	parasolitary nucleus
PAT	paratrigeminal nucleus
PB	parabrachial nucleus
PBB	pontobulbar body
PBG	parabigeminal nucleus
pc	posterior commissure
PCG	pontine central gray
pch	prechordal plate
PCN	paracentral nucleus thalamus
PERI	perirhinal area
PF	parafascicular nucleus
PFR	prefrontal region
PG	pontine gray (basal)
PGRNd	paragigantocellular reticular n., dorsal part
PGRNI	paragigantocellular reticular n., lateral part
PH	posterior hypothalamic nucleus
PIN	pineal gland
PIR	piriform area
PL	prelimbic area
PLT	palate
pm	principal mammillary tract
PMC	pre-mammillary nuclear complex
PMd	dorsal pre-mammillary nucleus
PMv	ventral pre-mammillary nucleus
pmz	pallidal migratory zone
PO	posterior complex thalamus
pof	pontine flexure

pog	postotic groove [Adelmann]
POL	posterior limiting nucleus thalamus
POR	periolivary region
POST	postsubiculum
PP	peripeduncular nucleus
ppa	paraphysial arch
ppl	cortical neural tube, preplate
PPN	pedunculopontine nucleus
pps	pallidopreoptic sulcus
PLR	pallidal ridge
PLRsbv	pallidal ridge, subventricular layer
pos	preotic sulcus
PR	perireuniens nucleus
PRE	presubiculum
PRE2	presubiculum, layer 2
PRN	pontine reticular nucleus
PRO	preoptic region
PRP	nucleus prepositus
prs	primitive streak
PRT	pretectal region
PSCH	suprachiasmatic preoptic nucleus
PSR	pallidostriatal ridge
PSV	principal sensory nucleus of the trigeminal
PT	parataenial nucleus
PTL	parietal region
PTLp	parietal region, posterior association areas
pts	pallidothalamic sulcus
PV	periventricular nucleus hypothalamus
PVa	periventricular nucleus hypothalamus, anterior part
PVi	periventricular nucleus hypothalamus, intermediate region
PVH	paraventricular nucleus hypothalamus
PVHdp	paraventricular nucleus hypothalamus, dorsal parvicellular part
PVHf	paraventricular nucleus hypothalamus, forniceal part
PVHlp	paraventricular nucleus hypothalamus, lateral parvicellular part
PVHmp	paraventricular nucleus hypothalamus, medial parvicellular part
PVHpm	paraventricular nucleus hypothalamus, posterior magnocellular part
PVHpv	paraventricular nucleus hypothalamus, periventricular part
PVp	posterior periventricular n. Hypothalamus
PVpo	preoptic periventricular nucleus
PVT	paraventricular nucleus thalamus
py	pyramidal tract
pyd	pyramidal decussation
R	retina
RAP	brainstem raphé
RCH	retrochiasmatic area
REm	nucleus reuniens, median part

rep	reticular promontory (Altman and Bayer)
rf	rhinal fissure
RH	rhomboid nucleus
rh1-7	secondary rhombomeres 1-7
rhA-C	primary rhombomere A-C
rhA1	primary rhombomere A1
RHL	rhombic lip
ri	rhinal incisure
RL	rostral linear nucleus raphé
RM	nucleus raphé magnus
RMVE	rostral medullary vellum
RN	red nucleus
Rne-mtl	neural retina, mantle layer
Rne-ven	neural retina, ventricular layer
rnp	rostral neuropore
Ro	rostral
RO	nucleus raphé obscurus
RP	Rathke's pouch
RPA	nucleus raphé pallidus
Rpi	retina, pigmented layer
rpl	roof plate
RR	mesencephalic reticular n., retrorubral area
RS	reticular nucleus spinal cord
RSP	retrosplenial area
RT	reticular nucleus thalamus
rust	rubrospinal tract
SAG	nucleus sagulum
SBC	subicular complex
sbp	subplate, cortical neural tube
SBPV	subparaventricular zone hypothalamus
sbv	subventricular layer
SC	superior colliculus
SCdg	superior colliculus, deep gray layer
SCdw	superior colliculus, deep white layer
SCig	superior colliculus, intermediate gray layer
SCiw	superior colliculus, intermediate white layer
SCop	superior colliculus, optic layer
SCsg	superior colliculus, superficial gray layer
SCzo	superior colliculus, zonal layer
SCH	suprachiasmatic nucleus
SCO	subcommissural organ
scp	superior cerebellar peduncle
sct	spinocerebellar tracts
sctv	ventral spinocerebellar tract
SE	somatic ectoderm
sem	septum endymale (Hines, '22)

SEP	septal region
ses	septal sulcus
SF	septo-fimbrial nucleus
sfi	fimbrial sulcus
SFO	subfornical organ
SGN	suprageniculate nucleus
SH	septohippocampal nucleus
shb	habenular sulcus
she	hemispheric sulcus
shy	hypothalamic sulcus
SI	substantia innominata
sin	infundibular sulcus
sl	sulcus limitans
SLD	sublaterodorsal nucleus
slf	superior longitudinal fascicle
sm	stria medullaris
smd	supramammillary decussation
sme	sulcus medullaris
smi	middle diencephalic sulcus (Herrick, '10)
smt	median sulcus, telencephalon medium (Rakic & Yakovlev)
SMT	submedial nucleus thalamus
SN	substantia nigra
SO	supraoptic nucleus
SOC	superior olivary complex
SOCl	superior olivary complex, lateral part
SOCm	superior olivary complex, medial part
som1...	somite, first, ...
sopt	optic sulcus (Grönberg, '01)
SPC	sphenoid cartilage
SPF	subparafascicular nucleus thalamus
SPFm	subparafascicular nucleus thalamus, magnocellular part
SPFp	subparafascicular nucleus thalamus, parvicellular part
spl	cerebral cortex, subplate
SP	spinal cord
SPIV	spinal vestibular nucleus
SPP	spinal (cord) plate
SPR	septal ridge
SPRsbv	septal ridge, subventricular layer
sps	striatopallidal sulcus
sptV	spinal tract of the trigeminal nerve
sptVIII	spinal tract of the vestibular nerve
SPV	spinal nucleus of the trigeminal
SR	striatal ridge
SRsbv	striatal sulcus, subventricular layer
SS	somatosensory area
SSp	primary somatosensory area

SSs	supplemental somatosensory area
st	stria terminalis
ste	sulcus terminalis
stm	pituitary gland, anterior lobe, stem cell region
STN	subthalamic nucleus
sto	stomodeum (stomatodeum)
STR	striatum
SUB	subiculum
SUBd-sp	subiculum, dorsal part, pyramidal layer
SUBv-sp	subiculum, ventral part, pyramidal layer
SUMl	supramammillary nucleus, lateral part
SUMm	supramammillary nucleus, medial part
sup	supraoptic commissures
supo	subcephalic pocket
SUT	supratrigeminal nucleus
SUV	superior vestibular nucleus
SYN	synencephalon
sz	stratum zonale thalamus
tb	trapezoid body
TC	tectum
TE	temporal region
TEBp	temporal bone, petrous part
TEM	thalamic eminence
TEP	temporal pole
TEv	temporal region, ventral association areas
TG	tegmentum
TH	thalamus
the	torus hemisphericus (Kuhlenbeck, '29)
TL	telencephalon
TM	tuberomammillary nucleus
tp	thalamic peduncles
TR	postpiriform transition area
TRN	tegmental reticular nucleus, pontine gray
trp	telencephalic roof plate
TRS	triangular nucleus septum
ts	solitary tract
tsp	tectospinal pathway
TT	taenia tecta
TTd	taenia tecta, dorsal part
TTv	taenia tecta, ventral part
TU	tuberal nucleus, hypothalamus
TUB	tuberal level, hypothalamus
V	motor nucleus of the trigeminal nerve
V3	third ventricle
V3ir	third ventricle, infundibular recess
V3m	third ventricle, mammillary recess

V3pi	third ventricle, pineal recess
V3r	third ventricle, periventricular recess
v4	fourth ventricle
V4r	fourth ventricle, lateral recess
VAL	ventral anterior-lateral complex thalamus
vca	anterior cardinal vein
VCO	ventral cochlear nucleus
Ve	ventral
ven	ventricular layer
vf	ventral funiculus
VH	ventral horn spinal cord
vhc	ventral hippocampal commissure
VI	abducens nucleus
VII	facial nucleus
VIII _n	vestibulocochlear nerve
VIII _p	otic placode
VIII _v	otic vesicle
VII _n	facial nerve
VIP	velum interpositum
VIS	visual areas
VISC	visceral area
VL	lateral ventricle
VLo	lateral ventricle, olfactory part (rhinocele)
VM	ventral medial nucleus thalamus
VMH	ventromedial nucleus hypothalamus
V _n	trigeminal nerve
V _{n1}	trigeminal nerve, ophthalmic branch
VNC	vestibular nuclei
V _{n-m}	trigeminal nerve, motor root
V _{n-s}	trigeminal nerve, sensory root
VNT	ventral thalamus
VO	vomeronasal organ (Jacobson)
VP	ventral posterior complex thalamus
VPM	ventral posteromedial nucleus thalamus
VPM _{pc}	ventral posteromedial nucleus thalamus, parvicellular part
vr	ventral ridge
Vre	retinal ventricle
VTA	ventral tegmental area [Tsai]
vtd	ventral tegmental decussation
VTN	ventral tegmental nucleus [Gudden]
vt	velum transversum
vVII _n	vestibular nerve
x	nucleus x [Brodal and Pompeiano]
XII	hypoglossal nucleus
y	nucleus y [Brodal and Pompeiano]
YOS	yolk sac

ZI zona incerta
ZIda zona incerta, dopaminergic group