

**Dataset S1.** List of terms and their abbreviations for gray matter regions of the adult rat forebrain. Two alphabetically arranged lists are provided: 1) by abbreviation, 2) by term.

These terms and abbreviations are also searchable at <https://sites.google.com/view/the-neurome-project/brain-maps>

### 1. Abbreviations for adult rat forebrain gray matter regions and their corresponding terms

6b	Isocortical layer 6b
AAA	Anterior amygdalar area
ACAd	Anterior cingulate area dorsal part
ACAv	Anterior cingulate area ventral part
ACB	Accumbens nucleus
AD	Anterodorsal thalamic nucleus
ADP	Anterodorsal preoptic nucleus
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
AId	Dorsal agranular insular area
AIp	Posterior agranular insular area
AIV	Ventral agranular insular area
AMd	Anteromedial thalamic nucleus dorsal part
AMv	Anteromedial thalamic nucleus ventral part
AOA	Anterior olfactory area
AOB	Accessory olfactory bulb
ARH	Arcuate hypothalamic nucleus
AUDd	Dorsal auditory areas
AUDp	Primary auditory area
AUDpo	Posterior auditory area
AUDv	Ventral auditory areas
AV	Anteroventral thalamic nucleus
AVP	Anteroventral preoptic nucleus
AVPV	Anteroventral periventricular nucleus
BA	Bed nucleus of accessory olfactory tract
BAC	Bed nucleus of anterior commissure
BLAa	Basolateral amygdalar nucleus anterior part
BLAp	Basolateral amygdalar nucleus posterior part
BMAa	Basomedial amygdalar nucleus anterior part
BMAp	Basomedial amygdalar nucleus posterior part
BSTal	Bed nuclei of terminal stria anterolateral area
BSTam	Bed nuclei of terminal stria anteromedial area
BSTd	Bed nuclei of terminal stria dorsal nucleus
BSTdm	Bed nuclei of terminal stria dorsomedial nucleus
BSTfu	Bed nuclei of terminal stria fusiform nucleus
BSTif	Bed nuclei of terminal stria interfascicular nucleus
BSTju	Bed nuclei of terminal stria juxtacapsular nucleus
BSTmg	Bed nuclei of terminal stria magnocellular nucleus
BSTov	Bed nuclei of terminal stria oval nucleus
BSTpr	Bed nuclei of terminal stria principal nucleus
BSTrh	Bed nuclei of terminal stria rhomboid nucleus
BSTse	Bed nuclei of terminal stria strial extension
BSTtr	Bed nuclei of terminal stria transverse nucleus

BSTv	Bed nuclei of terminal stria ventral nucleus
CA1d	Field CA1 dorsal part
CA1v	Field CA1 ventral part
CA2	Field CA2
CA3	Field CA3
CEAc	Central amygdalar nucleus capsular part
CEAl	Central amygdalar nucleus lateral part
CEAm	Central amygdalar nucleus medial part
CL	Central lateral thalamic nucleus
CLA	Clastrum
CM	Central medial thalamic nucleus
COAa	Cortical amygdala area anterior part
COApl	Cortical amygdala area posterior part lateral zone
COApm	Cortical amygdala area posterior part medial zone
CP	Caudoputamen
DG	Dentate gyrus
DMHa	Dorsomedial hypothalamic nucleus anterior part
DMHp	Dorsomedial hypothalamic nucleus posterior part
DMHv	Dorsomedial hypothalamic nucleus ventral part
ECT	Ectorhinal area
ENTl	Entorhinal area lateral part
ENTm	Entorhinal area medial part
EPd	Endopiriform nucleus dorsal part
EPv	Endopiriform nucleus ventral part
FC	Fasciola cinerea
FF	Fields of Forel
FS	Striatal fundus
GPI	Lateral globus pallidus
GPm	Medial globus pallidus
GU	Gustatory area
I	Internuclear hypothalamic area
IA	Intercalated amygdalar nuclei
IAD	Interanterodorsal thalamic nucleus
IAM	Interanteromedial thalamic nucleus
IG	Indusium griseum
IGL	Intergeniculate leaflet
ILA	Infralimbic area
IMD	Intermediodorsal thalamic nucleus
LA	Lateral amygdalar nucleus
LD	Lateral dorsal thalamic nucleus
LGd	Dorsal lateral geniculate nucleus
LGv	Ventral lateral geniculate nucleus
LH	Lateral habenula
LHAa	Lateral hypothalamic area anterior region
LHAd	Lateral hypothalamic area dorsal region
LHAjd	Lateral hypothalamic area juxtadorsomedial region
LHAjp	Lateral hypothalamic area juxtaparaventricular region
LHAjvd	Lateral hypothalamic area juxtaventromedial region dorsal zone
LHAjvv	Lateral hypothalamic area juxtaventromedial region ventral zone
LHAp	Lateral hypothalamic area posterior region
LHAs	Lateral hypothalamic area supraformical region
LHAsfa	Lateral hypothalamic area subformical region anterior zone
LHAsfp	Lateral hypothalamic area subformical region posterior zone

LHAv	Lateral hypothalamic area ventral region
LM	Lateral mammillary nucleus
LP	Lateral posterior thalamic nucleus
LPO	Lateral preoptic area
LSc.d	Lateral septal nucleus caudal part dorsal zone
LSc.v	Lateral septal nucleus caudal part ventral zone
LSr.dl	Lateral septal nucleus rostral part dorsolateral zone
LSr.m.d	Lateral septal nucleus rostral part medial zone dorsal region
LSr.m.v	Lateral septal nucleus rostral part medial zone ventral region
LSr.vl	Lateral septal nucleus rostral part ventrolateral zone
LSv	Lateral septal nucleus ventral part
MA	Magnocellular nucleus
MDc	Mediodorsal thalamic nucleus central part
MDl	Mediodorsal thalamic nucleus lateral part
MDm	Mediodorsal thalamic nucleus medial part
MEAad	Medial amygdalar nucleus anterodorsal part
MEAv	Medial amygdalar nucleus anteroventral part
MEApd	Medial amygdalar nucleus posterodorsal part
MEApv	Medial amygdalar nucleus posteroventral part
MEPO	Median preoptic nucleus
MGd	Medial geniculate complex dorsal part
MGm	Medial geniculate complex medial part
MGv	Medial geniculate complex ventral part
MH	Medial habenula
MM	Medial mammillary nucleus
MOB	Main olfactory bulb
MOp	Primary somatomotor area
MOs	Secondary somatomotor areas
MPNc	Medial preoptic nucleus central part
MPNl	Medial preoptic nucleus lateral part
MPNm	Medial preoptic nucleus medial part
MPO	Medial preoptic area
MS	Medial septal nucleus
NDB	Diagonal band nucleus
NLOT	Nucleus of lateral olfactory tract
NLOT3	Nucleus of lateral olfactory tract dorsal cap
ORBl	Lateral orbital area
ORBm	Medial orbital area
ORBv	Ventral orbital area
ORBvl	Ventrolateral orbital area
OT	Olfactory tubercle
OV	Vascular organ of lamina terminalis
PA	Posterior amygdalar nucleus
PAA	Piriform-amygdalar area
PAR	Parasubiculum
PCN	Paracentral thalamic nucleus
PD	Posterodorsal preoptic nucleus
PERI	Perirhinal area
PF	Parafascicular nucleus
PH	Posterior hypothalamic nucleus
PIR	Piriform area
PL	Prelimbic area
PMd	Dorsal premammillary nucleus

PMv	Ventral premammillary nucleus
PO	Posterior thalamic complex
POL	Posterior limiting thalamic nucleus
POST	Postsubiculum
PP	Peripeduncular nucleus
PR	Perireuniens nucleus
PRE	Presubiculum
PS	Parastrial nucleus
PSCH	Suprachiasmatic preoptic nucleus
PST	Preparasubthalamic nucleus
PSTN	Parasubthalamic nucleus
PT	Paratenial nucleus
PTLp	Posterior parietal association areas
PVa	Periventricular hypothalamic nucleus anterior part
PVHam	Paraventricular hypothalamic nucleus magnocellular division anterior magnocellular part
PVHap	Paraventricular hypothalamic nucleus parvicellular division anterior parvicellular part
PVHd	Paraventricular hypothalamic nucleus descending division
PVHmpd	Paraventricular hypothalamic nucleus parvicellular division medial parvicellular part dorsal zone
PVHpm	Paraventricular hypothalamic nucleus magnocellular division posterior magnocellular part
PVHpv	Paraventricular hypothalamic nucleus parvicellular division periventricular part
PVp	Periventricular hypothalamic nucleus posterior part
PVT	Paraventricular thalamic nucleus
R	Retina
RCH	Retrochiasmatic area
REc	Nucleus reuniens caudal division
REr	Nucleus reuniens rostral division
RH	Rhomboid nucleus
RSPagl	Retrosplenial region lateral agranular part
RSPd	Retrosplenial region dorsal part
RSPv	Retrosplenial region ventral part anterior zone
RSPv.a	Retrosplenial region ventral part zone a
RSPv.b/c	Retrosplenial region ventral part zone b/c
RT	Reticular thalamic nucleus
SBPV	Subparaventricular zone
SCH	Suprachiasmatic nucleus
SF	Septofimbrial nucleus
SFO	Subfornical organ
SGN	Suprageniculate nucleus
SH	Septohippocampal nucleus
SI	Innominate substance
SMT	Submedial thalamic nucleus
SO	Supraoptic nucleus
SPFm	Subparafascicular nucleus magnocellular part
SPFp	Subparafascicular nucleus parvicellular part
SSp	Primary somatosensory area
SSs	Supplemental somatosensory area
STN	Subthalamic nucleus
SUBd	Subiculum dorsal part
SUBv	Subiculum ventral part
SUMl	Supramammillary nucleus lateral part
SUMm	Supramammillary nucleus medial part
TEa	Temporal association areas
TM	Tuberomammillary nucleus

TR	Postpiriform transition area
TRS	Triangular septal nucleus
TTd	Tenia tecta dorsal part
TTv	Tenia tecta ventral part
TU	Lateral hypothalamic area middle group lateral tier tuberal nucleus
VAL	Ventral anterior-lateral thalamic complex
VISal	Anterolateral visual area
VISam	Anteromedial visual area
VISC	Visceral area
VISli	Intermediolateral visual area
VISll	Laterolateral visual area
VISlla	Anterior laterolateral visual area
VISlm	Mediolateral visual area
VISp	Primary visual area
VISpl	Posterolateral visual area
VISpm	Posteromedial visual area
VISrl	Rostrolateral visual area
VLP	Ventrolateral preoptic nucleus
VM	Ventral medial thalamic nucleus
VMHa	Ventromedial hypothalamic nucleus anterior part
VMHc	Ventromedial hypothalamic nucleus central part
VMHdm	Ventromedial hypothalamic nucleus dorsomedial part
VMHvl	Ventromedial hypothalamic nucleus ventrolateral part
VPLpc	Ventral posterolateral thalamic nucleus parvicellular part
VPLpr	Ventral posterolateral thalamic nucleus principal part
VPMpc	Ventral posteromedial thalamic nucleus parvicellular part
VPMpr	Ventral posteromedial thalamic nucleus principal part
ZI	Zona incerta

## 2. Terms for adult rat forebrain gray matter regions and their corresponding abbreviations

Accessory olfactory bulb (AOB)  
 Accumbens nucleus (ACB)  
 Anterior amygdalar area (AAA)  
 Anterior cingulate area dorsal part (ACAd)  
 Anterior cingulate area ventral part (ACAv)  
 Anterior hypothalamic area (AHA)  
 Anterior hypothalamic nucleus anterior part (AHNa)  
 Anterior hypothalamic nucleus central part (AHNc)  
 Anterior hypothalamic nucleus dorsal part (AHNd)  
 Anterior hypothalamic nucleus posterior part (AHNp)  
 Anterior laterolateral visual area (VISlla)  
 Anterior olfactory area (AOA)  
 Anterodorsal preoptic nucleus (ADP)  
 Anterodorsal thalamic nucleus (AD)  
 Anterolateral visual area (VISal)  
 Anteromedial thalamic nucleus dorsal part (AMd)  
 Anteromedial thalamic nucleus ventral part (AMv)  
 Anteromedial visual area (VISam)  
 Anteroventral periventricular nucleus (AVPV)  
 Anteroventral preoptic nucleus (AVP)  
 Anteroventral thalamic nucleus (AV)  
 Arcuate hypothalamic nucleus (ARH)

Basolateral amygdalar nucleus anterior part (BLAa)  
Basolateral amygdalar nucleus posterior part (BLAp)  
Basomedial amygdalar nucleus anterior part (BMAa)  
Basomedial amygdalar nucleus posterior part (BMAp)  
Bed nuclei of terminal stria anterolateral area (BSTal)  
Bed nuclei of terminal stria anteromedial area (BSTam)  
Bed nuclei of terminal stria dorsal nucleus (BSTd)  
Bed nuclei of terminal stria dorsomedial nucleus (BSTdm)  
Bed nuclei of terminal stria fusiform nucleus (BSTfu)  
Bed nuclei of terminal stria interfascicular nucleus (BSTif)  
Bed nuclei of terminal stria juxtacapsular nucleus (BSTju)  
Bed nuclei of terminal stria magnocellular nucleus (BSTmg)  
Bed nuclei of terminal stria oval nucleus (BSTov)  
Bed nuclei of terminal stria principal nucleus (BSTpr)  
Bed nuclei of terminal stria rhomboid nucleus (BSTrh)  
Bed nuclei of terminal stria strial extension (BSTse)  
Bed nuclei of terminal stria transverse nucleus (BSTtr)  
Bed nuclei of terminal stria ventral nucleus (BSTv)  
Bed nucleus of accessory olfactory tract (BA)  
Bed nucleus of anterior commissure (BAC)  
Caudoputamen (CP)  
Central amygdalar nucleus capsular part (CEAc)  
Central amygdalar nucleus lateral part (CEAl)  
Central amygdalar nucleus medial part (CEAm)  
Central lateral thalamic nucleus (CL)  
Central medial thalamic nucleus (CM)  
Claustrum (CLA)  
Cortical amygdala area anterior part (COAa)  
Cortical amygdala area posterior part lateral zone (COApl)  
Cortical amygdala area posterior part medial zone (COApm)  
Dentate gyrus (DG)  
Diagonal band nucleus (NDB)  
Dorsal agranular insular area (AId)  
Dorsal auditory areas (AUDd)  
Dorsal lateral geniculate nucleus (LGd)  
Dorsal premammillary nucleus (PMd)  
Dorsomedial hypothalamic nucleus anterior part (DMHa)  
Dorsomedial hypothalamic nucleus posterior part (DMHp)  
Dorsomedial hypothalamic nucleus ventral part (DMHv)  
Ectorhinal area (ECT)  
Endopiriform nucleus dorsal part (EPd)  
Endopiriform nucleus ventral part (EPv)  
Entorhinal area lateral part (ENTl)  
Entorhinal area medial part (ENTm)  
Fasciola cinerea (FC)  
Field CA1 dorsal part (CA1d)  
Field CA1 ventral part (CA1v)  
Field CA2 (CA2)  
Field CA3 (CA3)  
Fields of Forel (FF)  
Gustatory area (GU)  
Indusium griseum (IG)  
Infralimbic area (ILA)

Innominate substance (SI)  
Interanterodorsal thalamic nucleus (IAD)  
Interanteromedial thalamic nucleus (IAM)  
Intercalated amygdalar nuclei (IA)  
Intergeniculate leaflet (IGL)  
Intermediodorsal thalamic nucleus (IMD)  
Intermediolateral visual area (VISli)  
Internuclear hypothalamic area (I)  
Isocortical layer 6b (6b)  
Lateral amygdalar nucleus (LA)  
Lateral dorsal thalamic nucleus (LD)  
Lateral globus pallidus (GPl)  
Lateral habenula (LH)  
Lateral hypothalamic area anterior region (LHAa)  
Lateral hypothalamic area dorsal region (LHAD)  
Lateral hypothalamic area juxtadorsomedial region (LHAjd)  
Lateral hypothalamic area juxtaparaventricular region (LHAjp)  
Lateral hypothalamic area juxtaventromedial region dorsal zone (LHAjvd)  
Lateral hypothalamic area juxtaventromedial region ventral zone (LHAjvv)  
Lateral hypothalamic area middle group lateral tier tuberal nucleus (TU)  
Lateral hypothalamic area posterior region (LHAp)  
Lateral hypothalamic area subfornical region anterior zone (LHASfa)  
Lateral hypothalamic area subfornical region posterior zone (LHASfp)  
Lateral hypothalamic area suprafornical region (LHAS)  
Lateral hypothalamic area ventral region (LHAV)  
Lateral mammillary nucleus (LM)  
Lateral orbital area (ORBl)  
Lateral posterior thalamic nucleus (LP)  
Lateral preoptic area (LPO)  
Lateral septal nucleus caudal part dorsal zone (LSc.d)  
Lateral septal nucleus caudal part ventral zone (LSc.v)  
Lateral septal nucleus rostral part dorsolateral zone (LSr.dl)  
Lateral septal nucleus rostral part medial zone dorsal region (LSr.m.d)  
Lateral septal nucleus rostral part medial zone ventral region (LSr.m.v)  
Lateral septal nucleus rostral part ventrolateral zone (LSr.vl)  
Lateral septal nucleus ventral part (LSv)  
Laterolateral visual area (VISll)  
Magnocellular nucleus (MA)  
Main olfactory bulb (MOB)  
Medial amygdalar nucleus anterodorsal part (MEAad)  
Medial amygdalar nucleus anteroventral part (MEAav)  
Medial amygdalar nucleus posterodorsal part (MEApd)  
Medial amygdalar nucleus posteroventral part (MEApv)  
Medial geniculate complex dorsal part (MGd)  
Medial geniculate complex medial part (MGm)  
Medial geniculate complex ventral part (MGv)  
Medial globus pallidus (GPm)  
Medial habenula (MH)  
Medial mammillary nucleus (MM)  
Medial orbital area (ORBm)  
Medial preoptic area (MPO)  
Medial preoptic nucleus central part (MPNc)  
Medial preoptic nucleus lateral part (MPNl)

Medial preoptic nucleus medial part (MPNm)  
Medial septal nucleus (MS)  
Median preoptic nucleus (MEPO)  
Mediodorsal thalamic nucleus central part (MDc)  
Mediodorsal thalamic nucleus lateral part (MDl)  
Mediodorsal thalamic nucleus medial part (MDm)  
Mediolateral visual area (VISlm)  
Nucleus of lateral olfactory tract (NLOT)  
Nucleus of lateral olfactory tract dorsal cap (NLOT3)  
Nucleus reuniens caudal division (REc)  
Nucleus reuniens rostral division (REr)  
Olfactory tubercle (OT)  
Paracentral thalamic nucleus (PCN)  
Parafascicular nucleus (PF)  
Parastrial nucleus (PS)  
Parasubiculum (PAR)  
Parasubthalamic nucleus (PSTN)  
Paratenial nucleus (PT)  
Paraventricular hypothalamic nucleus descending division (PVHd)  
Paraventricular hypothalamic nucleus magnocellular division anterior magnocellular part (PVHam)  
Paraventricular hypothalamic nucleus magnocellular division posterior magnocellular part (PVHpm)  
Paraventricular hypothalamic nucleus parvicellular division anterior parvicellular part (PVHap)  
Paraventricular hypothalamic nucleus parvicellular division medial parvicellular part dorsal zone (PVHmpd)  
Paraventricular hypothalamic nucleus parvicellular division periventricular part (PVHpv)  
Paraventricular thalamic nucleus (PVT)  
Peripeduncular nucleus (PP)  
Perireuniens nucleus (PR)  
Perirhinal area (PERI)  
Periventricular hypothalamic nucleus anterior part (PVa)  
Periventricular hypothalamic nucleus posterior part (PVp)  
Piriform area (PIR)  
Piriform-amygdalar area (PAA)  
Posterior agranular insular area (AIp)  
Posterior amygdalar nucleus (PA)  
Posterior auditory area (AUDpo)  
Posterior hypothalamic nucleus (PH)  
Posterior limiting thalamic nucleus (POL)  
Posterior parietal association areas (PTLp)  
Posterior thalamic complex (PO)  
Posterodorsal preoptic nucleus (PD)  
Posterolateral visual area (VISpl)  
Posteromedial visual area (VISpm)  
Postpiriform transition area (TR)  
Postsubiculum (POST)  
Prelimbic area (PL)  
Preparasubthalamic nucleus (PST)  
Presubiculum (PRE)  
Primary auditory area (AUDp)  
Primary somatomotor area (MOp)  
Primary somatosensory area (SSp)  
Primary visual area (VISp)  
Reticular thalamic nucleus (RT)  
Retina (R)



Retrochiasmatic area (RCH)  
Retrosplenial region dorsal part (RSPd)  
Retrosplenial region lateral agranular part (RSPagl)  
Retrosplenial region ventral part anterior zone (RSPv)  
Retrosplenial region ventral part zone a (RSPv.a)  
Retrosplenial region ventral part zone b/c (RSPv.b/c)  
Rhomboid nucleus (RH)  
Rostrolateral visual area (VISrl)  
Secondary somatomotor areas (MOs)  
Septofimbrial nucleus (SF)  
Septohippocampal nucleus (SH)  
Striatal fundus (FS)  
Subfornical organ (SFO)  
Subiculum dorsal part (SUBd)  
Subiculum ventral part (SUBv)  
Submedial thalamic nucleus (SMT)  
Subparafascicular nucleus magnocellular part (SPFm)  
Subparafascicular nucleus parvicellular part (SPFp)  
Subparaventricular zone (SBPV)  
Subthalamic nucleus (STN)  
Supplemental somatosensory area (SSs)  
Suprachiasmatic nucleus (SCH)  
Suprachiasmatic preoptic nucleus (PSCH)  
Suprageniculate nucleus (SGN)  
Supramammillary nucleus lateral part (SUMl)  
Supramammillary nucleus medial part (SUMm)  
Supraoptic nucleus (SO)  
Temporal association areas (TEa)  
Tenia tecta dorsal part (TTd)  
Tenia tecta ventral part (TTv)  
Triangular septal nucleus (TRS)  
Tuberomammillary nucleus (TM)  
Vascular organ of lamina terminalis (OV)  
Ventral agranular insular area (AIV)  
Ventral anterior-lateral thalamic complex (VAL)  
Ventral auditory areas (AUDv)  
Ventral lateral geniculate nucleus (LGv)  
Ventral medial thalamic nucleus (VM)  
Ventral orbital area (ORBv)  
Ventral posterolateral thalamic nucleus parvicellular part (VPLpc)  
Ventral posterolateral thalamic nucleus principal part (VPLpr)  
Ventral posteromedial thalamic nucleus parvicellular part (VPMpc)  
Ventral posteromedial thalamic nucleus principal part (VPMpr)  
Ventral premammillary nucleus (PMv)  
Ventrolateral orbital area (ORBvl)  
Ventrolateral preoptic nucleus (VLP)  
Ventromedial hypothalamic nucleus anterior part (VMHa)  
Ventromedial hypothalamic nucleus central part (VMHc)  
Ventromedial hypothalamic nucleus dorsomedial part (VMHdm)  
Ventromedial hypothalamic nucleus ventrolateral part (VMHvl)  
Visceral area (VISC)  
Zona incerta (ZI)