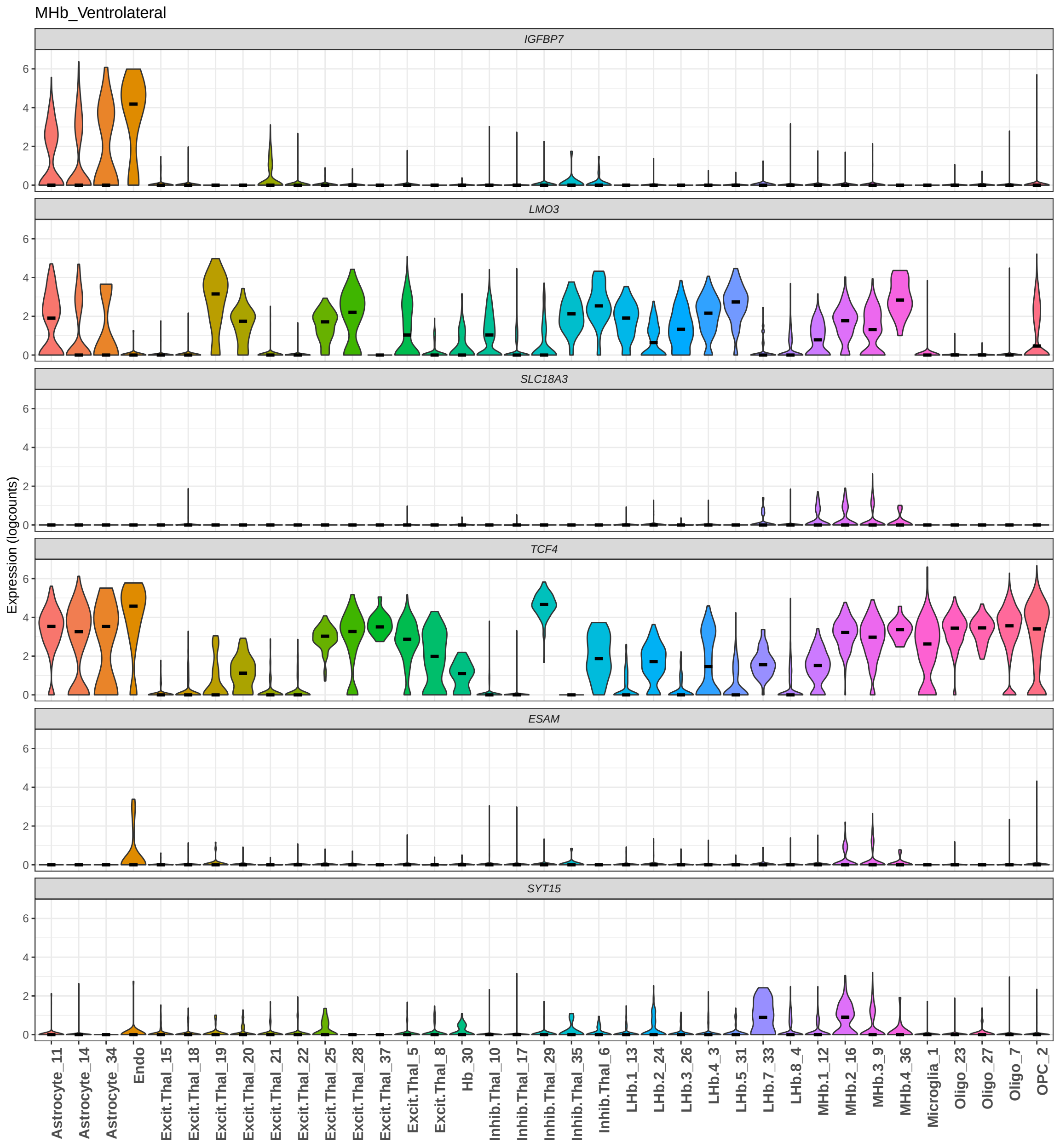
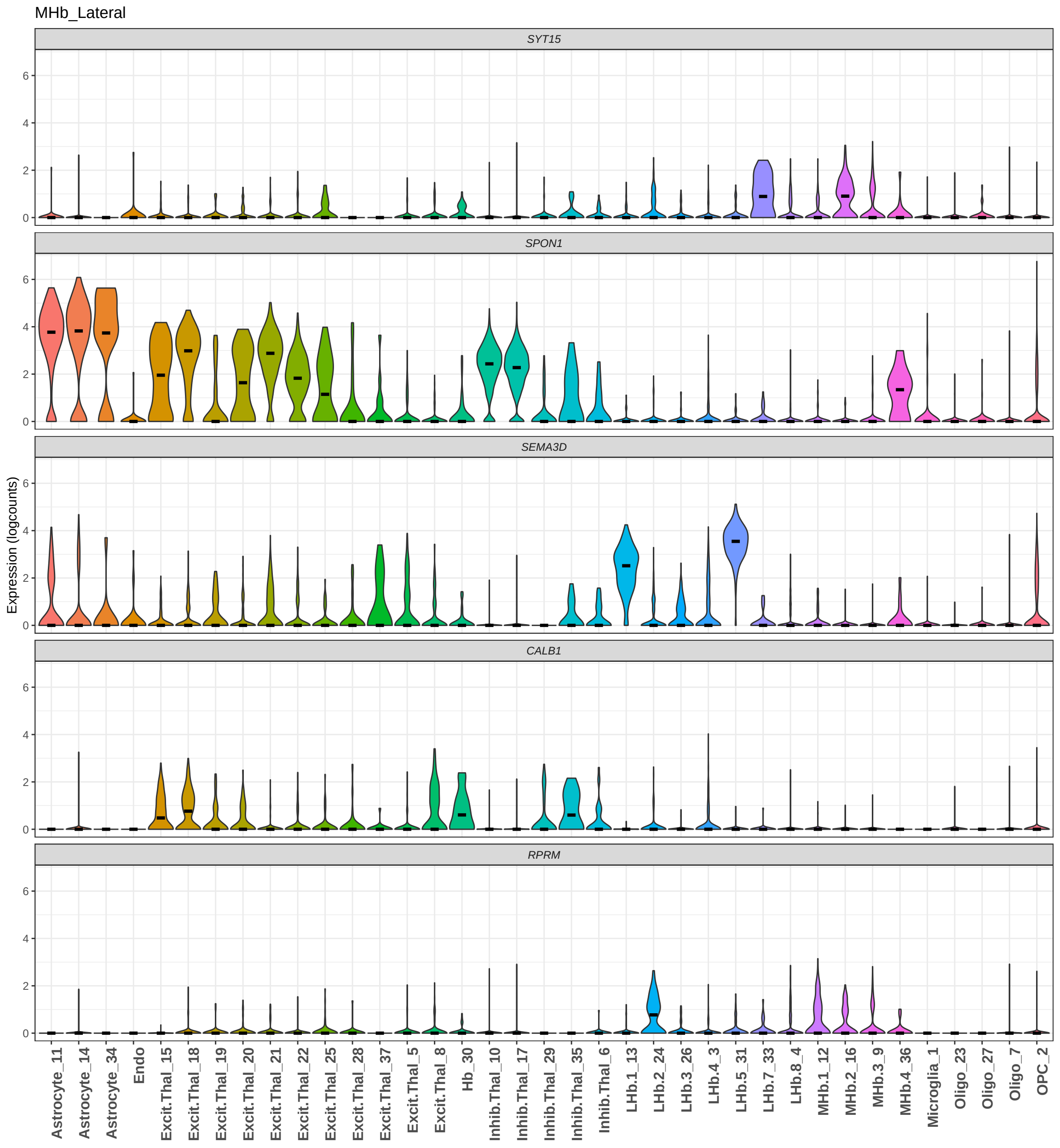

MHb_Ventrolateral
IGFBP7
LMO3
SLC18A3
TCF4
ESAM
SYT15
Expression (logcounts)
0
2
4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2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SYT15
SPON1
SEMA3D
CALB1
RPRM
Expression (logcounts)
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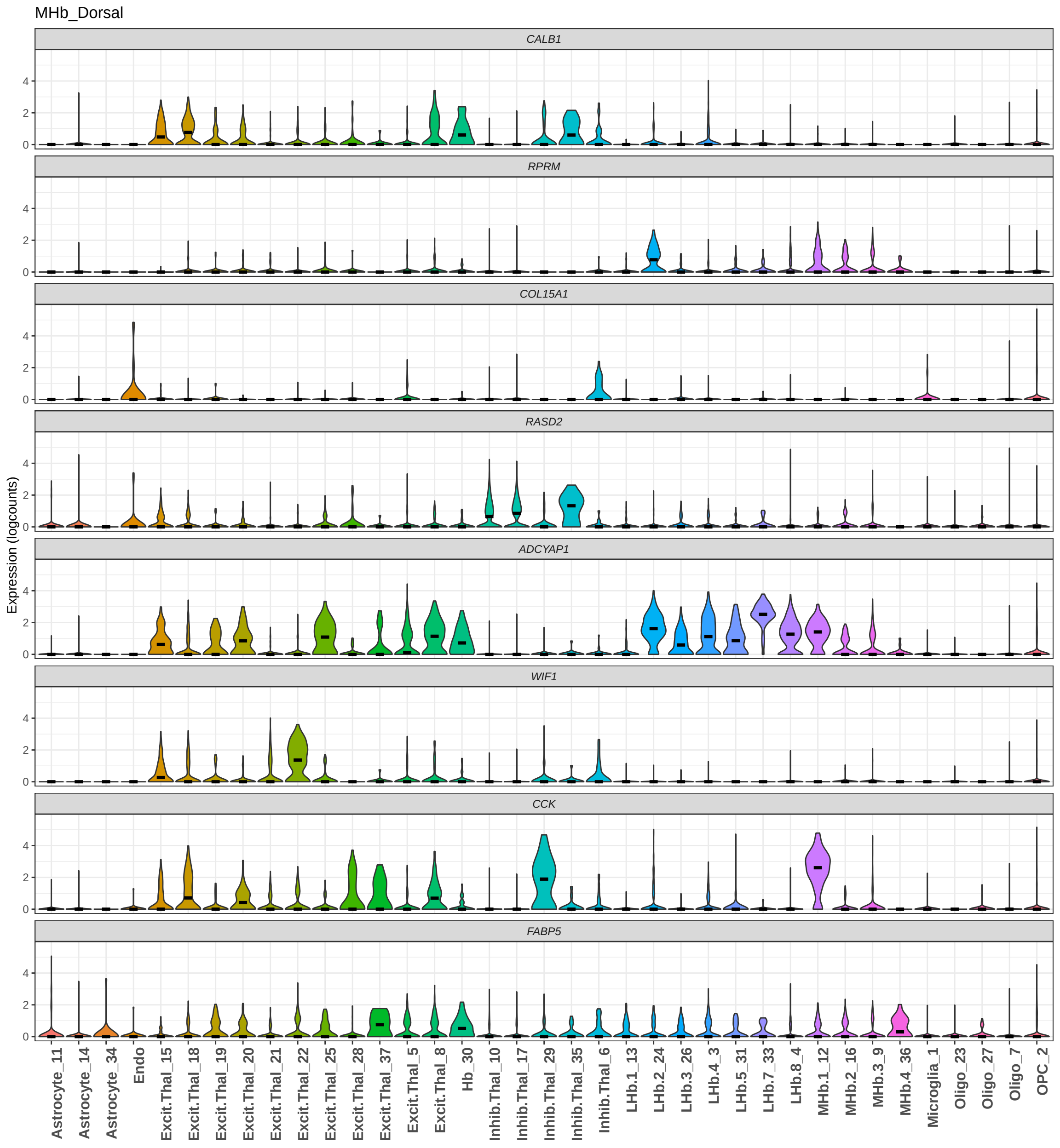
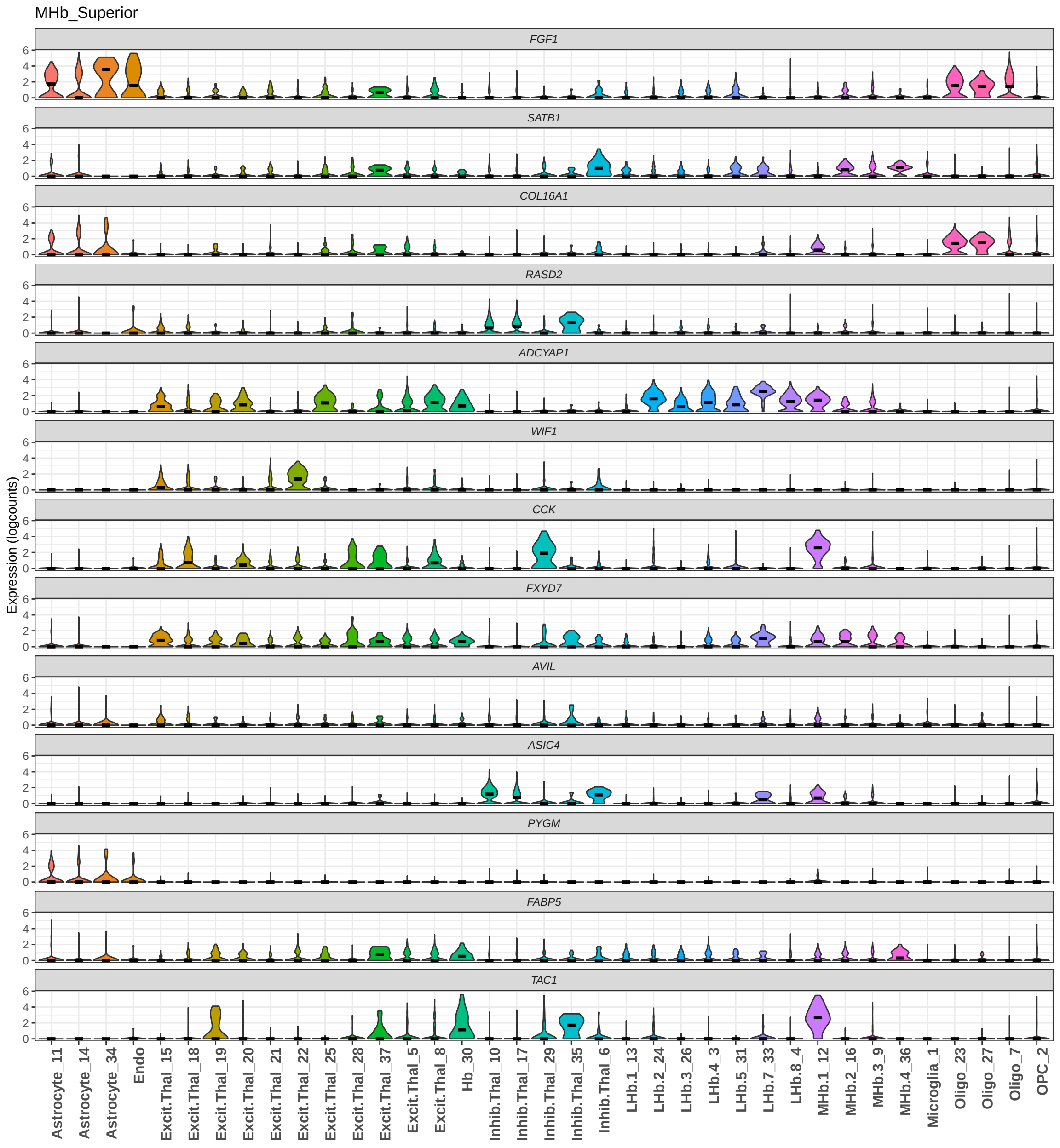
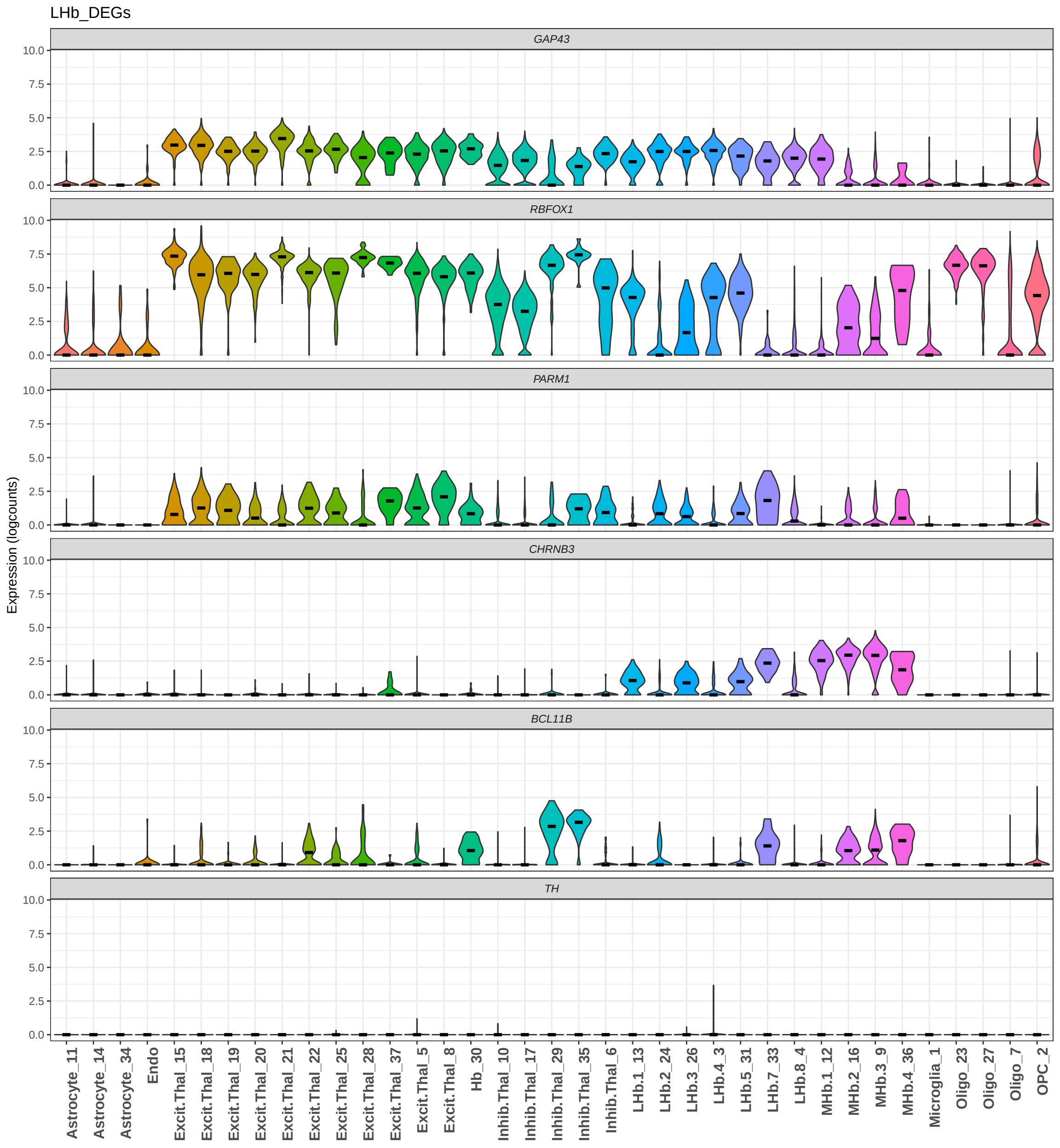
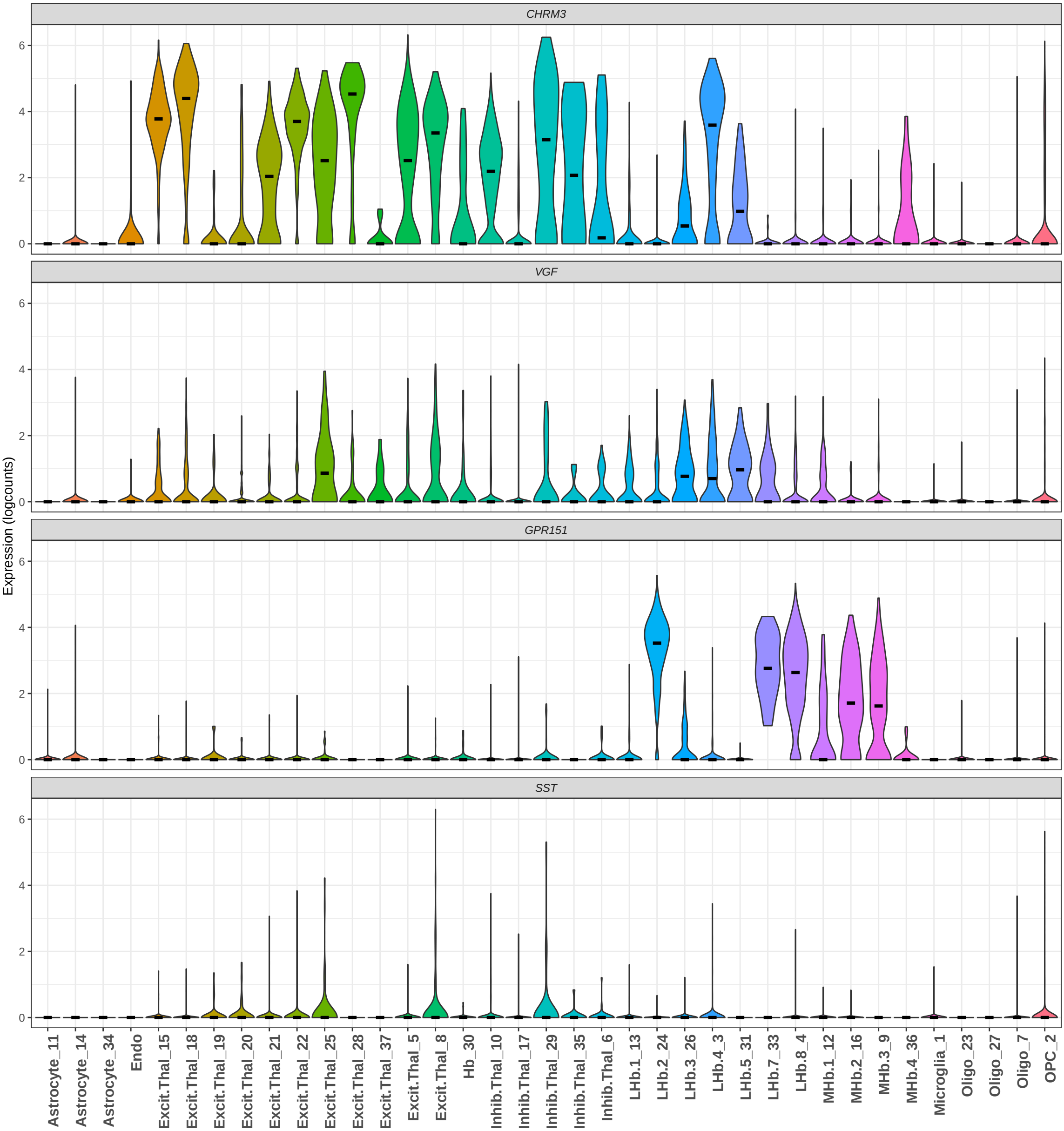
2
4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2

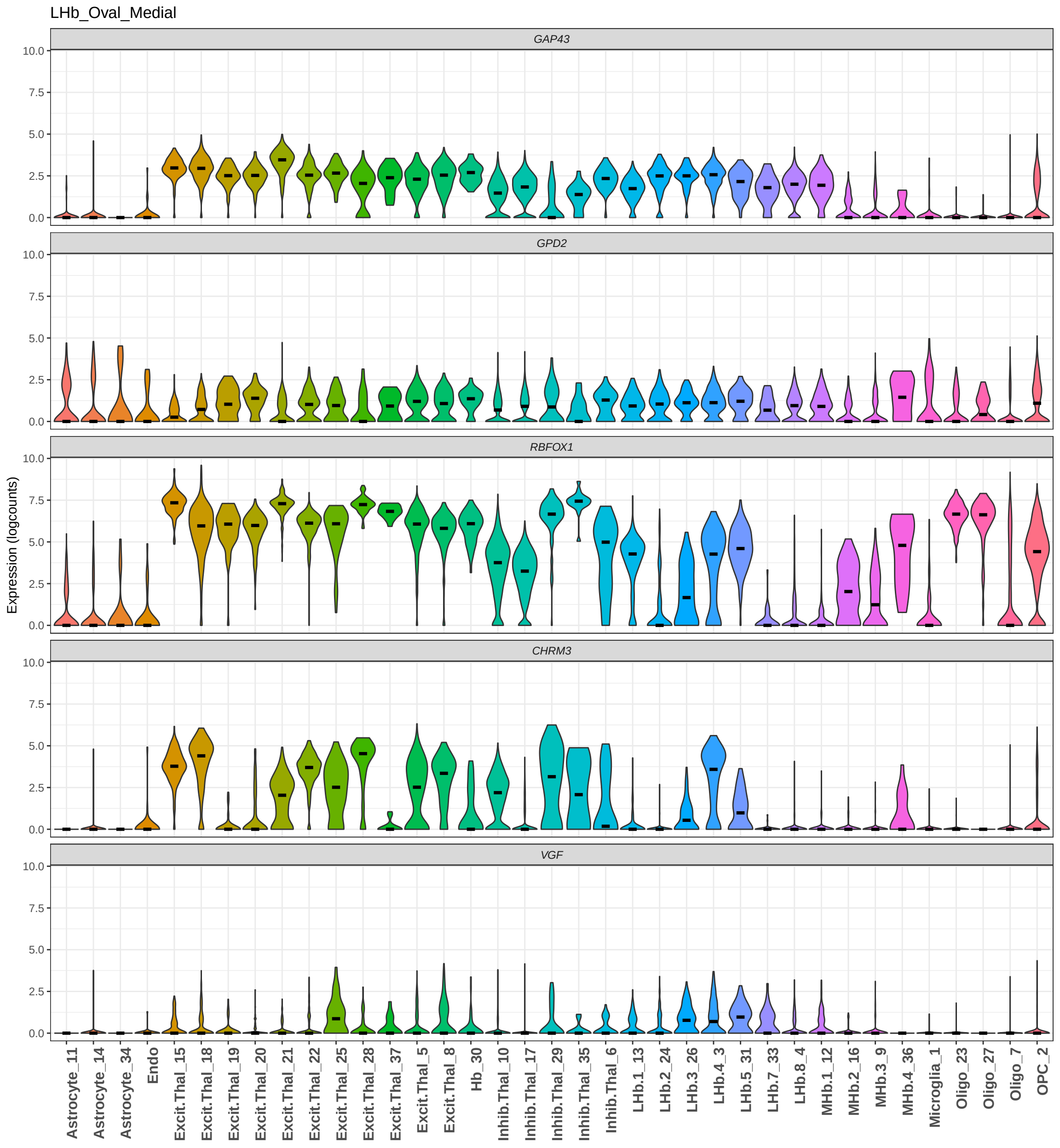

MHb_Dorsal
CALB1
RPRM
COL15A1
RASD2
ADCYAP1
WIF1
CCK
FABP5
Expression (logcounts)
0
2
4
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2


MHb_Superior
FGF1
SATB1
COL16A1
RASD2
ADCYAP1
WIF1
CCK
FXYD7
AVIL
ASIC4
PYGM
FABP5
TAC1
Expression (logcounts)
0
2
4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2


LHb_DEGs
GAP43
RBFOX1
PARM1
CHRNB3
BCL11B
TH
Expression (logcounts)
10.0
7.5
5.0
2.5
0.0
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2

LHb_HighlyExpressed_PerCluster

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GAP43
GPD2
RBFOX1
CHRM3
VGF
Expression (logcounts)
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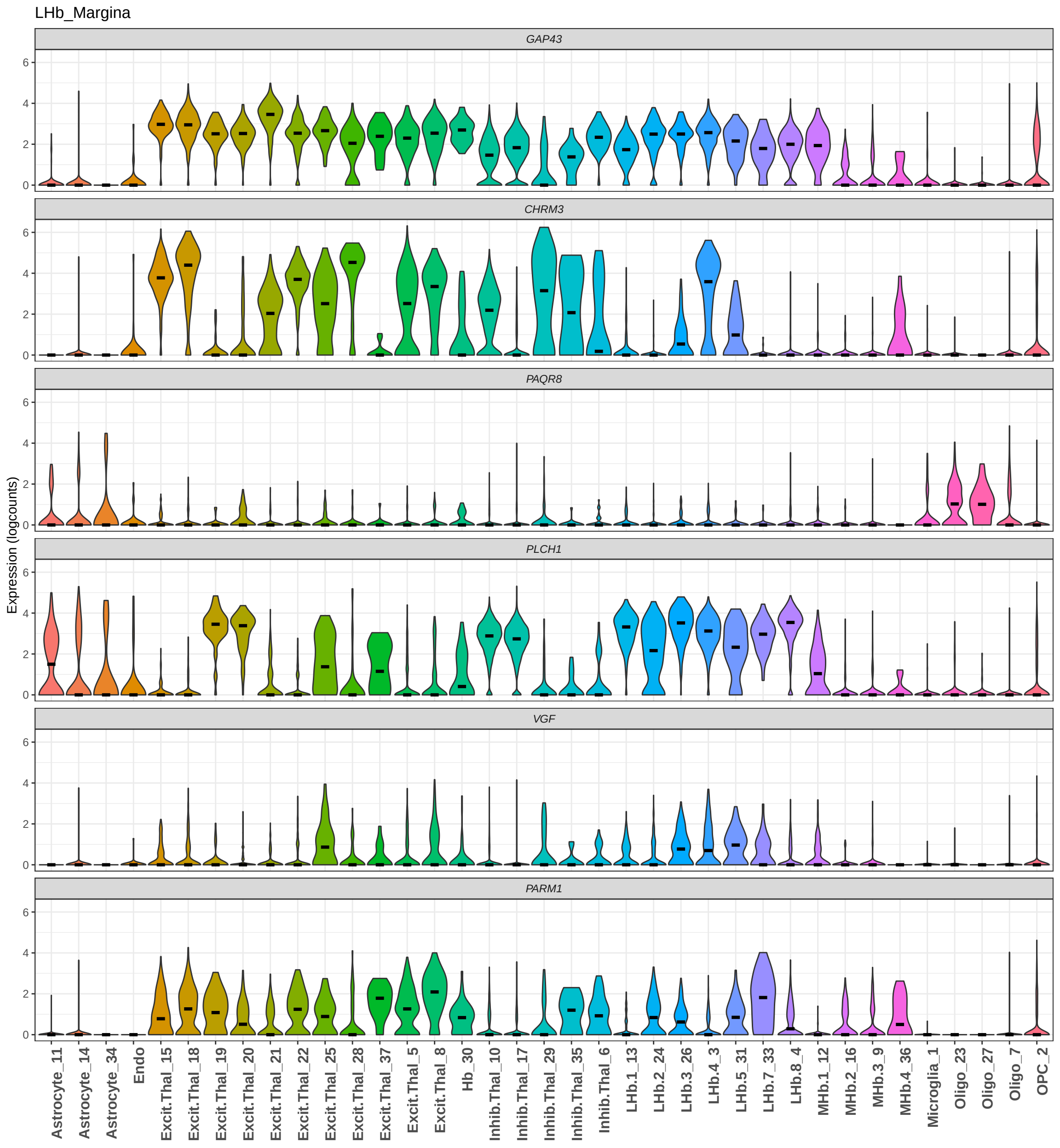
7.5
5.0
2.5
0.0
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2


LHb_Margina
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CHRM3
PAQR8
PLCH1
VGF
PARM1
Expression (logcounts)
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2
4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
Excit.Thal_20
Excit.Thal_21
Excit.Thal_22
Excit.Thal_25
Excit.Thal_28
Excit.Thal_37
Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
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LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
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MHb.3_9
MHb.4_36
Microglia_1
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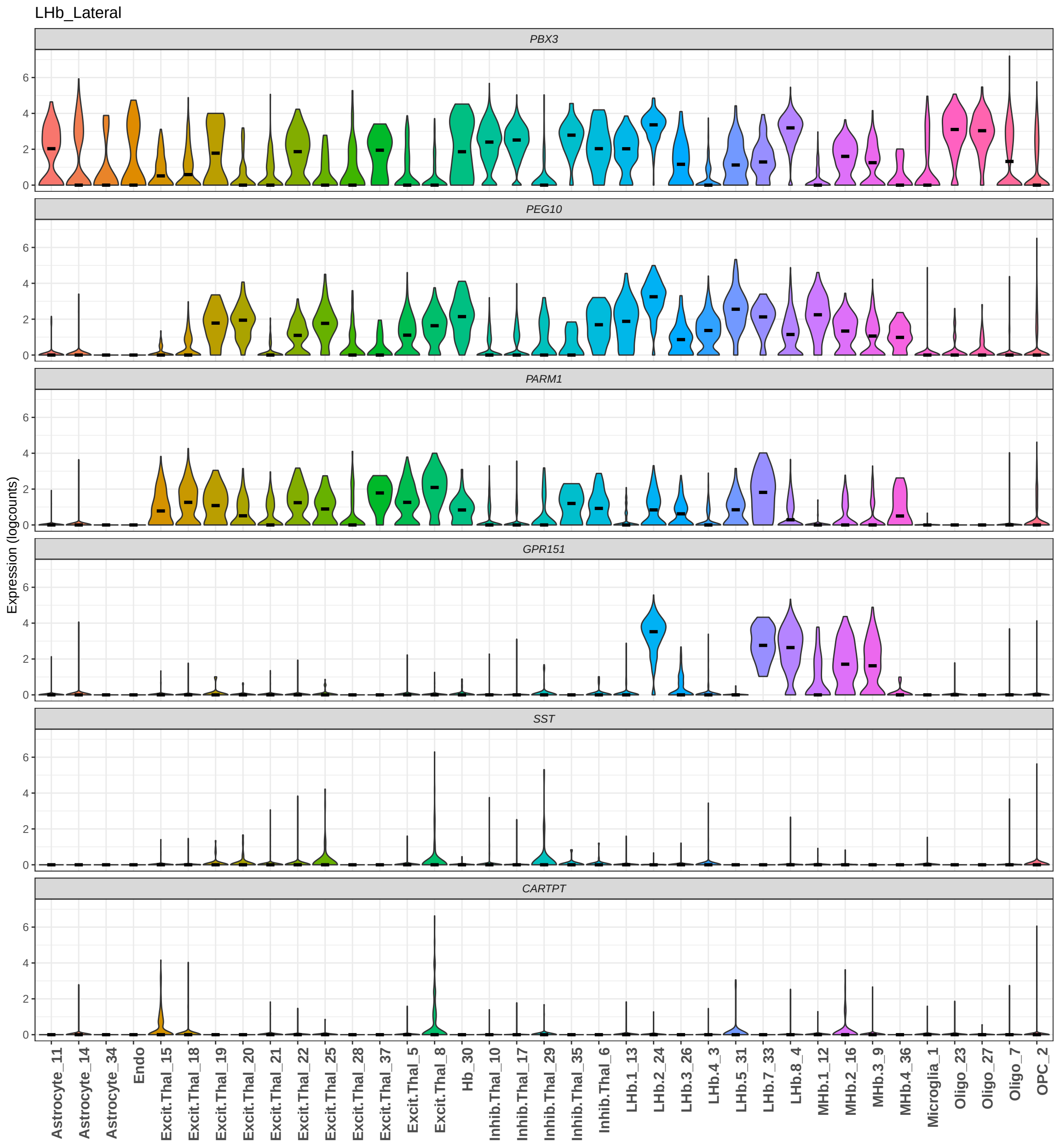
OPC_2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PEG10
PARM1
GPR151
SST
CARTPT
Expression (logcounts)
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4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
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Excit.Thal_28
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Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
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LHb.7_33
LHb.8_4
MHb.1_12
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Microglia_1
Oligo_23
Oligo_27
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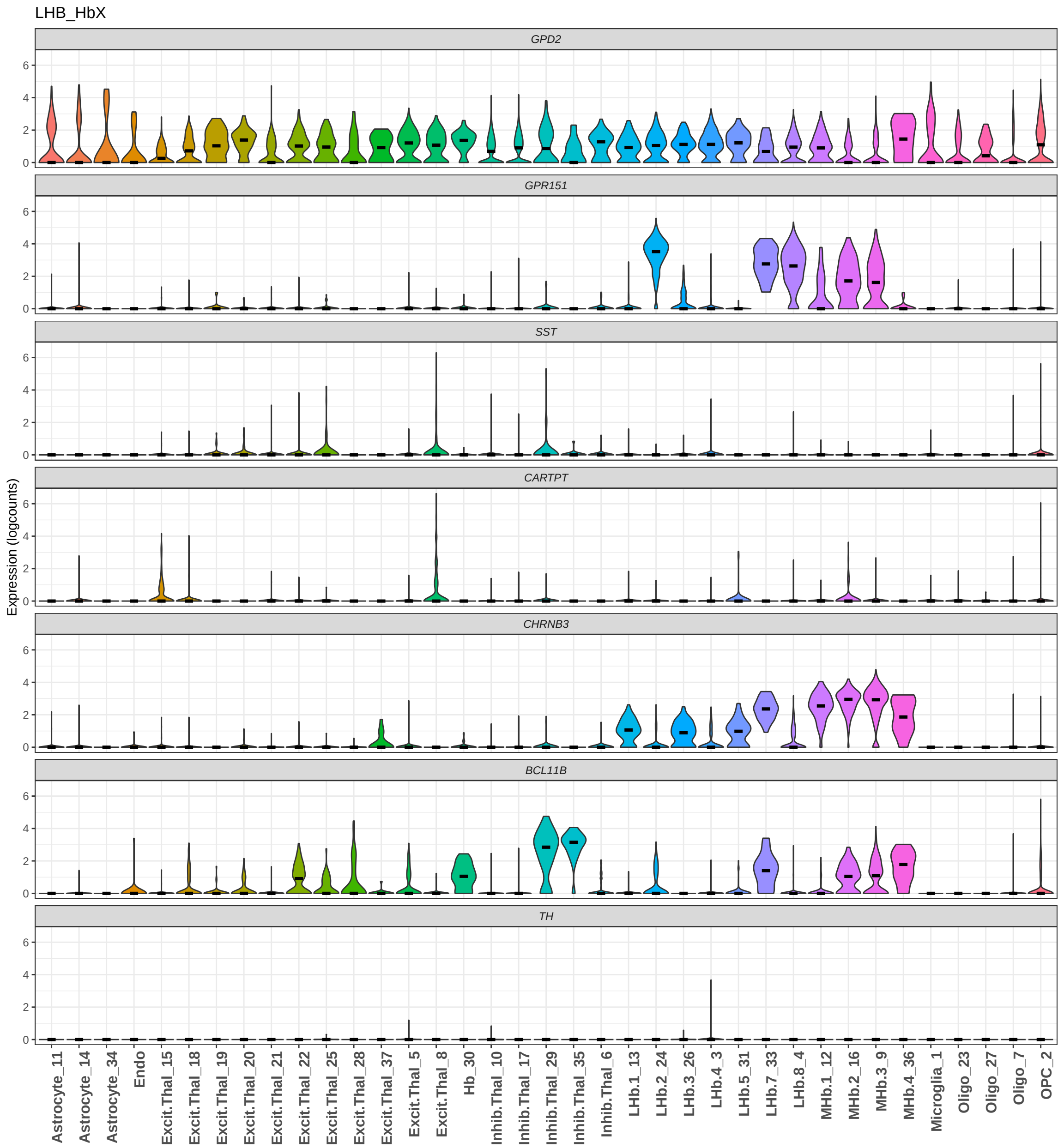
OPC_2


LHB_HbX
GPD2
GPR151
SST
CARTPT
CHRNB3
BCL11B
TH
Expression (logcounts)
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4
6
Astrocyte_11
Astrocyte_14
Astrocyte_34
Endo
Excit.Thal_15
Excit.Thal_18
Excit.Thal_19
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Excit.Thal_21
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Excit.Thal_5
Excit.Thal_8
Hb_30
Inhib.Thal_10
Inhib.Thal_17
Inhib.Thal_29
Inhib.Thal_35
Inhib.Thal_6
LHb.1_13
LHb.2_24
LHb.3_26
LHb.4_3
LHb.5_31
LHb.7_33
LHb.8_4
MHb.1_12
MHb.2_16
MHb.3_9
MHb.4_36
Microglia_1
Oligo_23
Oligo_27
Oligo_7
OPC_2