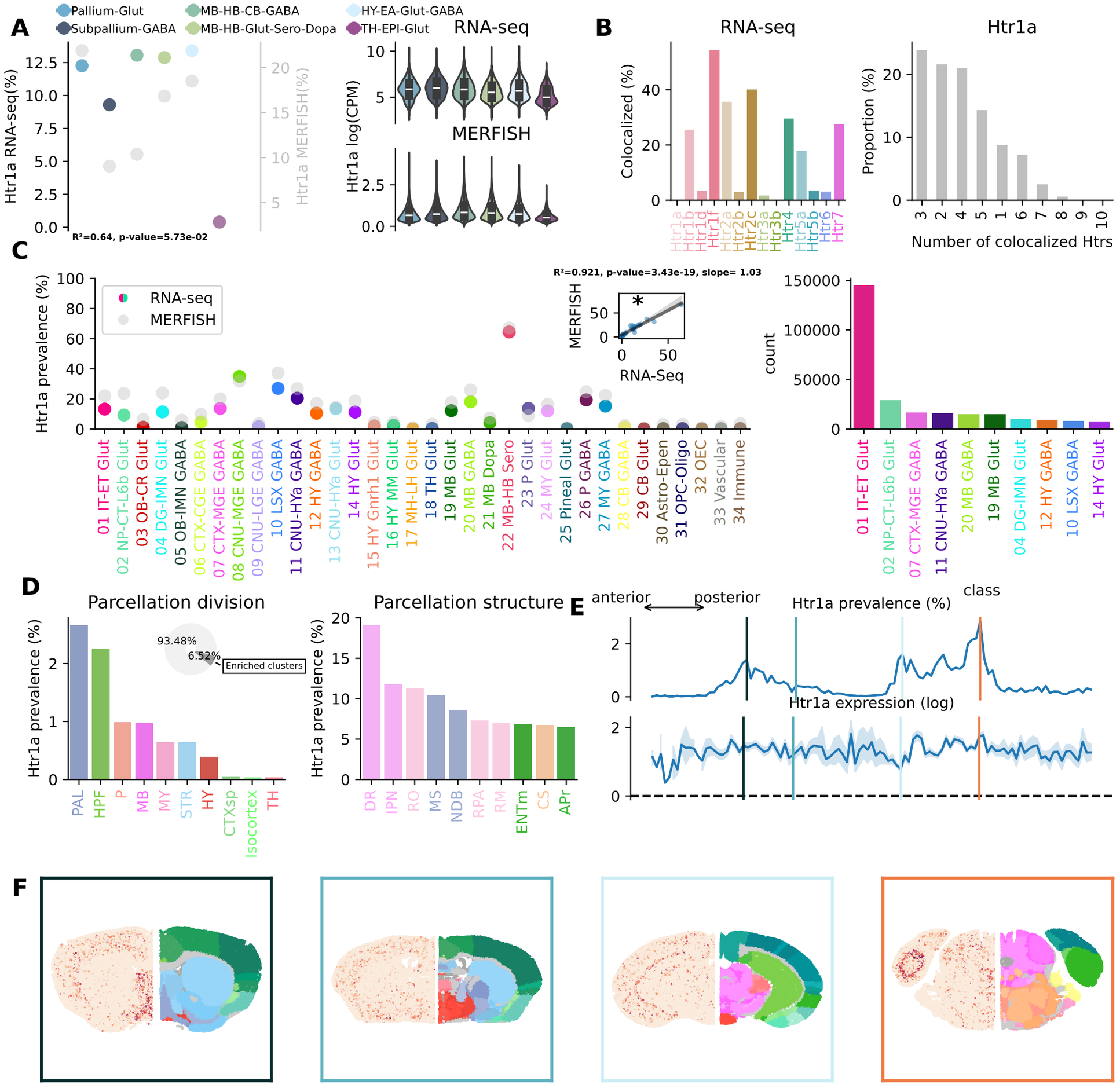
A
Pallium-Glut
Subpallium-GABA
MB-HB-CB-GABA
MB-HB-Glut-Sero-Dopa
HY-EA-Glut-GABA
TH-EPI-Glut
Htr1a RNA-seq(%)
Htr1a MERFISH(%)
R²=0.64, p-value=5.73e-02
RNA-seq
MERFISH
Htr1a log(CPM)
B
RNA-seq
Htr1a
Colocalized (%)
Htr1a Htr1b Htr1d Htr1f Htr2a Htr2b Htr2c Htr3a Htr3b Htr4 Htr5a Htr5b Htr6 Htr7
Proportion (%)
Number of colocalized Htrs
C
Htr1a prevalence (%)
RNA-seq
MERFISH
R²=0.921, p-value=3.43e-19, slope= 1.03
MERFISH
RNA-Seq
count
class
01 IT-ET Glut
02 NP-CT-L6b Glut
03 OB-CR Glut
04 DG-IMN Glut
05 OB-IMN GABA
06 CTX-CGE GABA
07 CTX-MGE GABA
08 CNU-MGE GABA
09 CNU-LGE GABA
10 LSX GABA
11 CNU-HYa GABA
12 HY GABA
13 CNU-HYa Glut
14 HY Glut
15 HY Gnrh1 Glut
16 HY MM Glut
17 MH-LH Glut
18 TH Glut
19 MB Glut
20 MB GABA
21 MB Dopa
22 MB-HB Sero
23 P Glut
24 MY Glut
25 Pineal Glut
26 P GABA
27 MY GABA
28 CB GABA
29 CB Glut
30 Astro-Epen
31 OPC-Oligo
32 OEC
33 Vascular
34 Immune
D
Parcellation division
Htr1a prevalence (%)
93.48%
6.52%
Enriched clusters
PAL HPF P MB MY STR HY CTXsp Isocortex TH
Parcellation structure
DR IPN RO MS NDB RPA RM ENTm CS APr
E
anterior
posterior
Htr1a prevalence (%)
Htr1a expression (log)
F