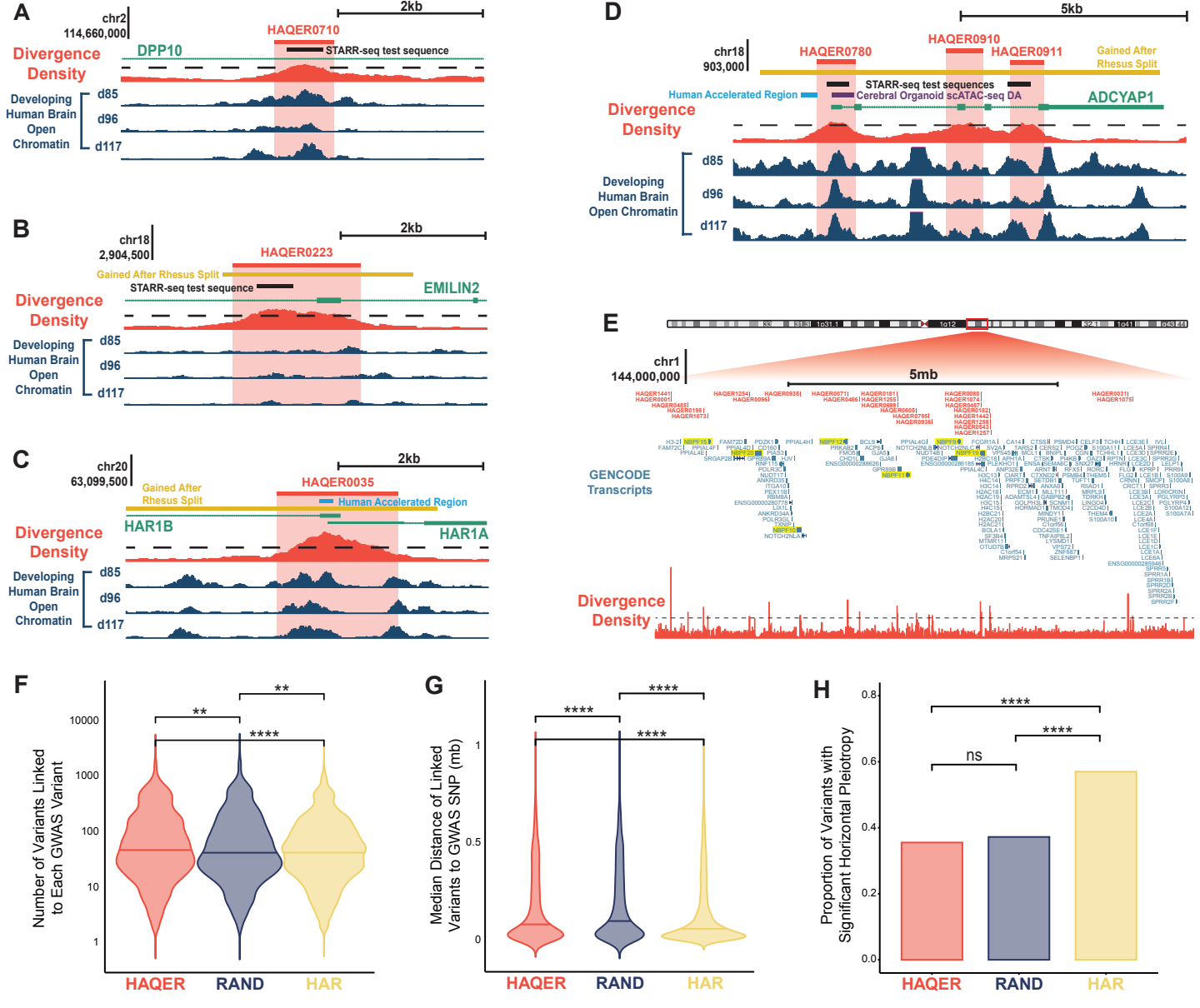
A
chr2
114,660,000
2kb
HAQER0710
DPP10
STARR-seq test sequence
Divergence Density
Developing Human Brain Open Chromatin
d85
d96
d117
B
chr18
2,904,500
2kb
HAQER0223
Gained After Rhesus Split
STARR-seq test sequence
EMILIN2
Divergence Density
Developing Human Brain Open Chromatin
d85
d96
d117
C
chr20
63,099,500
2kb
HAQER0035
Gained After Rhesus Split
Human Accelerated Region
HAR1B
HAR1A
Divergence Density
Developing Human Brain Open Chromatin
d85
d96
d117
D
5kb
chr18
903,000
HAQER0780
HAQER0910
HAQER0911
Gained After Rhesus Split
Human Accelerated Region
STARR-seq test sequences
Cerebral Organoid scATAC-seq DA
ADCYAP1
Divergence Density
Developing Human Brain Open Chromatin
d85
d96
d117
E
chr1
144,000,000
5mb
GENCODE Transcripts
Divergence Density
F
Number of Variants Linked to Each GWAS Variant
10000
1000
100
10
1
**
**
****
HAQER
RAND
HAR
G
Median Distance of Linked Variants to GWAS SNP (mb)
1
0.5
0
****
****
HAQER
RAND
HAR
H
Proportion of Variants with Significant Horizontal Pleiotropy
0.8
0.6
0.4
0.2
0.0
****
****
ns
HAQER
RAND
HAR