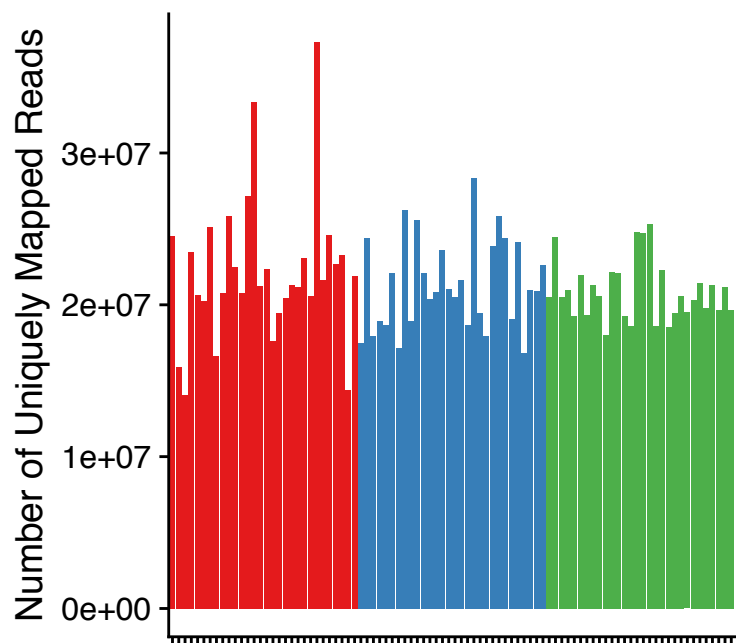


Supplemental Figure 1

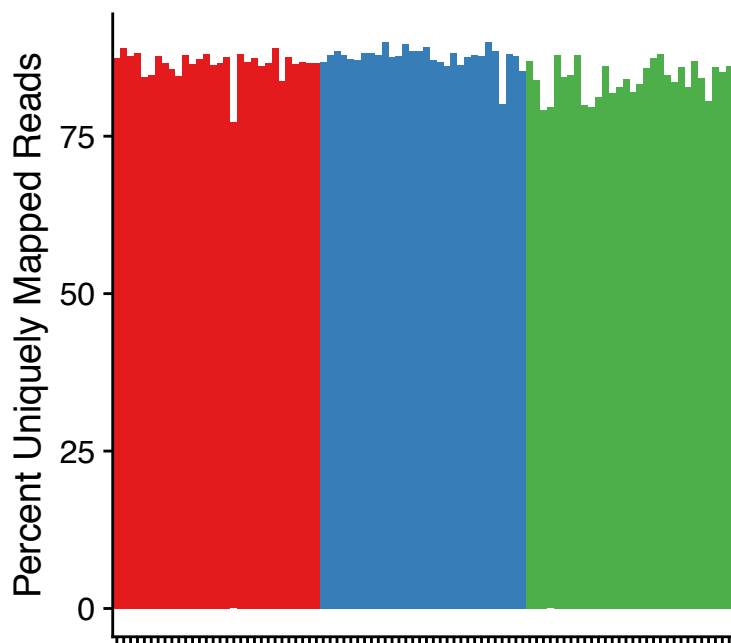
**A**

Cerebrum Hypothalamus Medulla

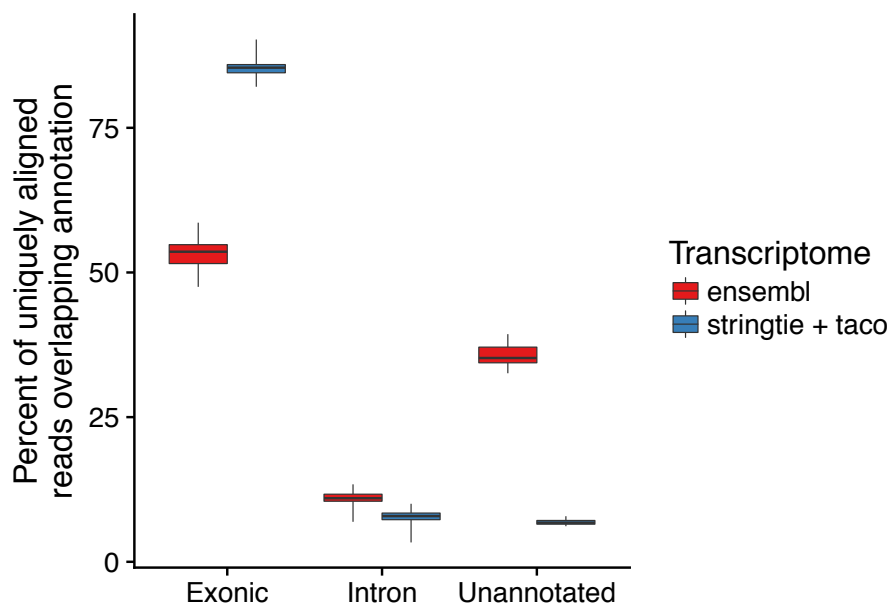


**B**

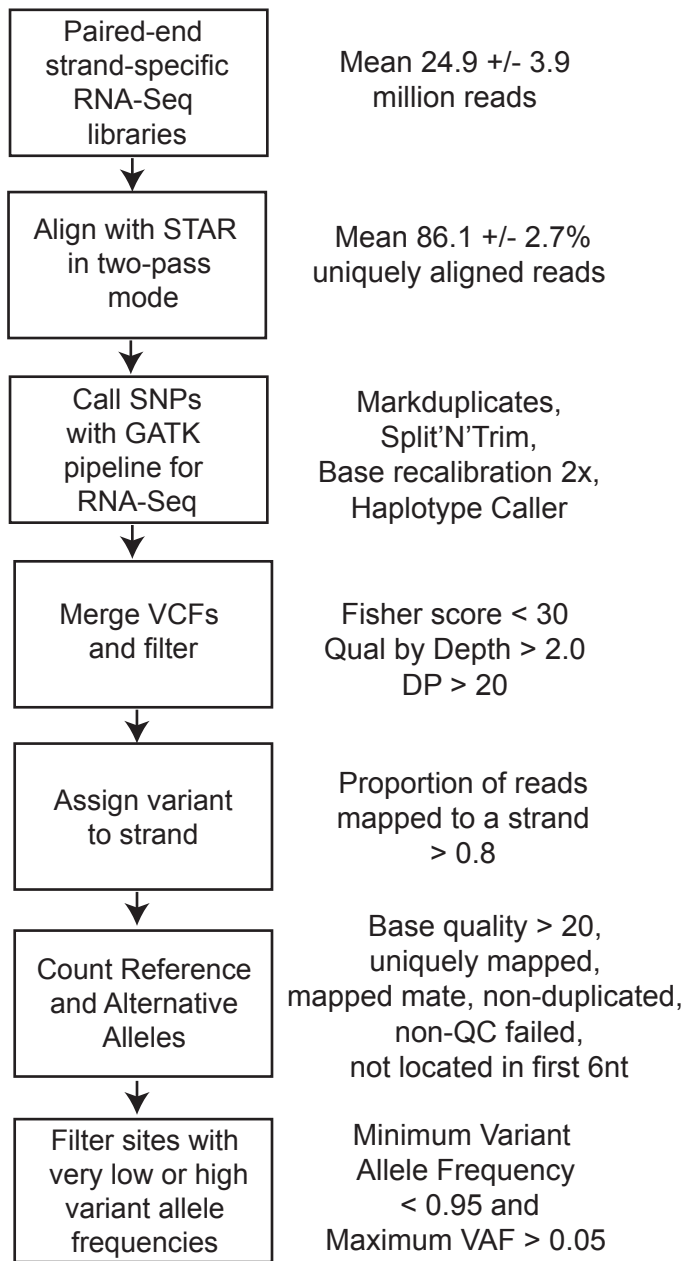
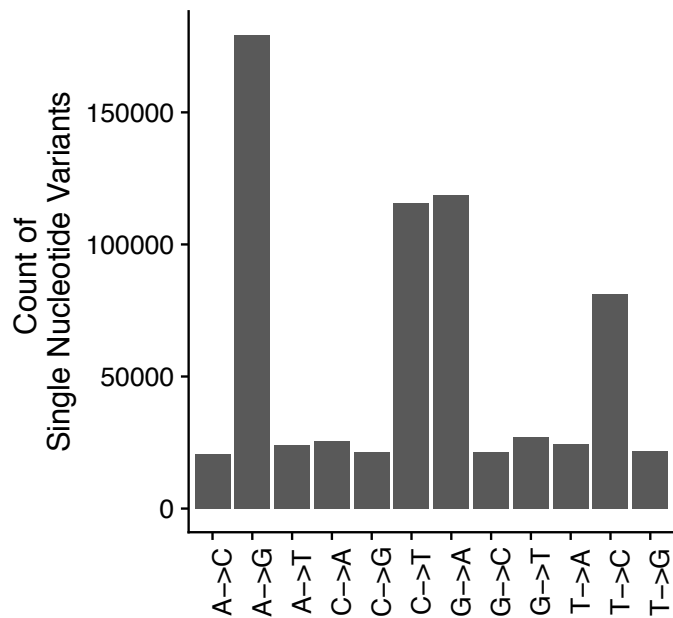
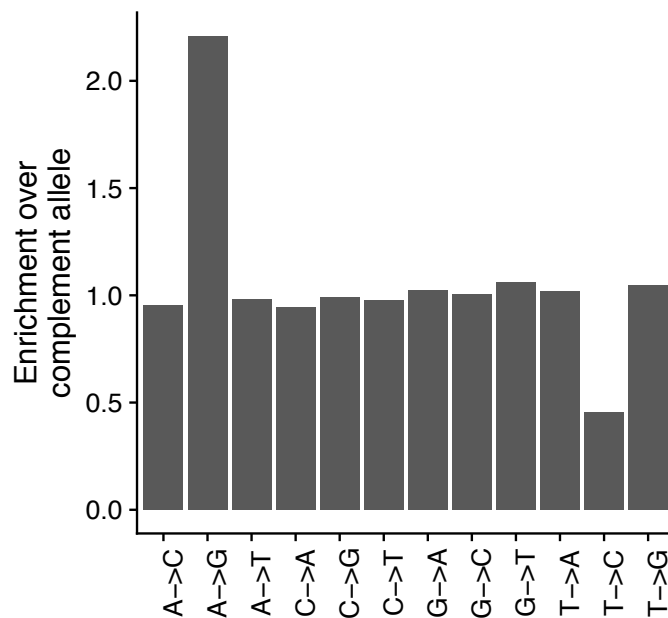
Cerebrum Hypothalamus Medulla



**C**

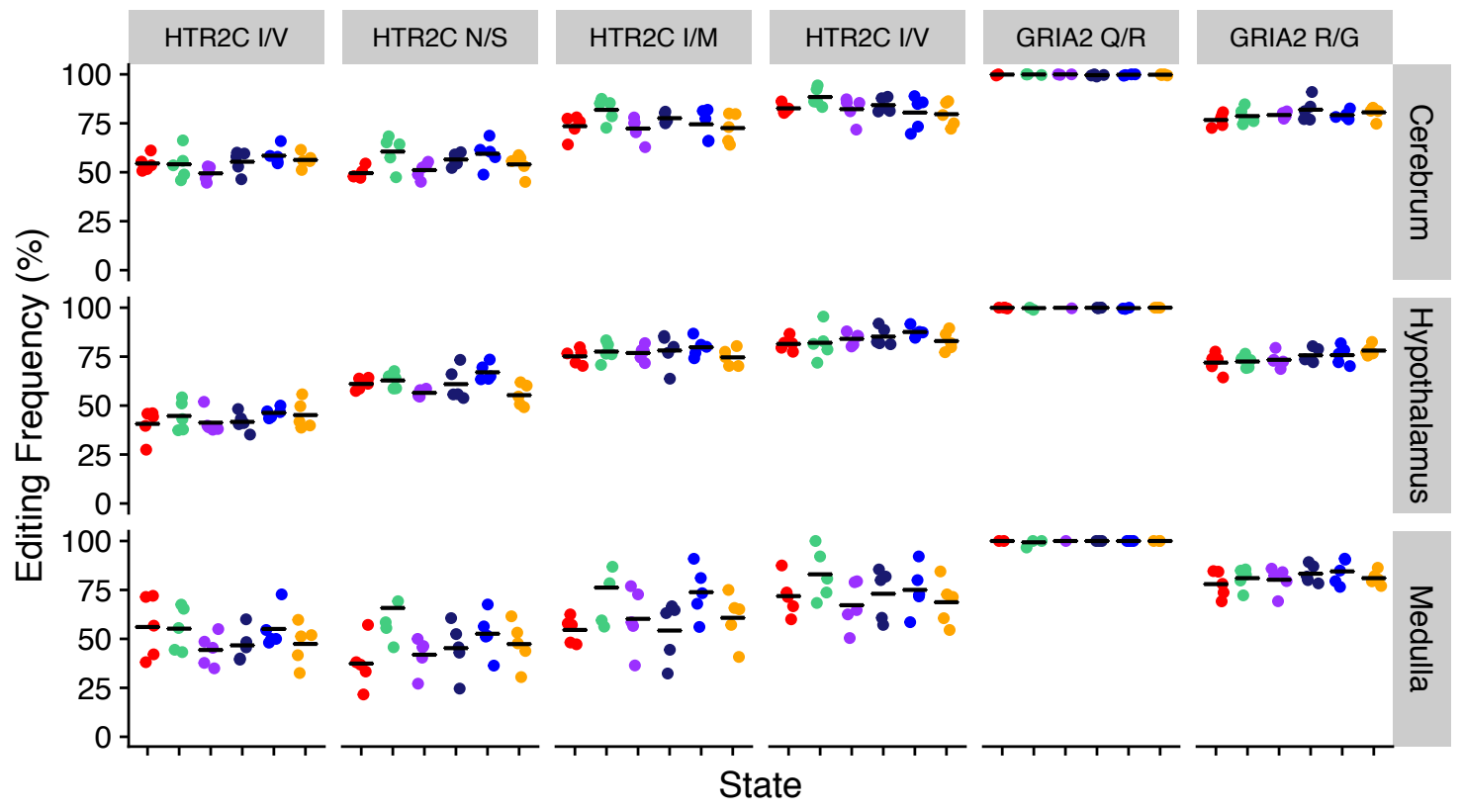


# Supplemental Figure 2

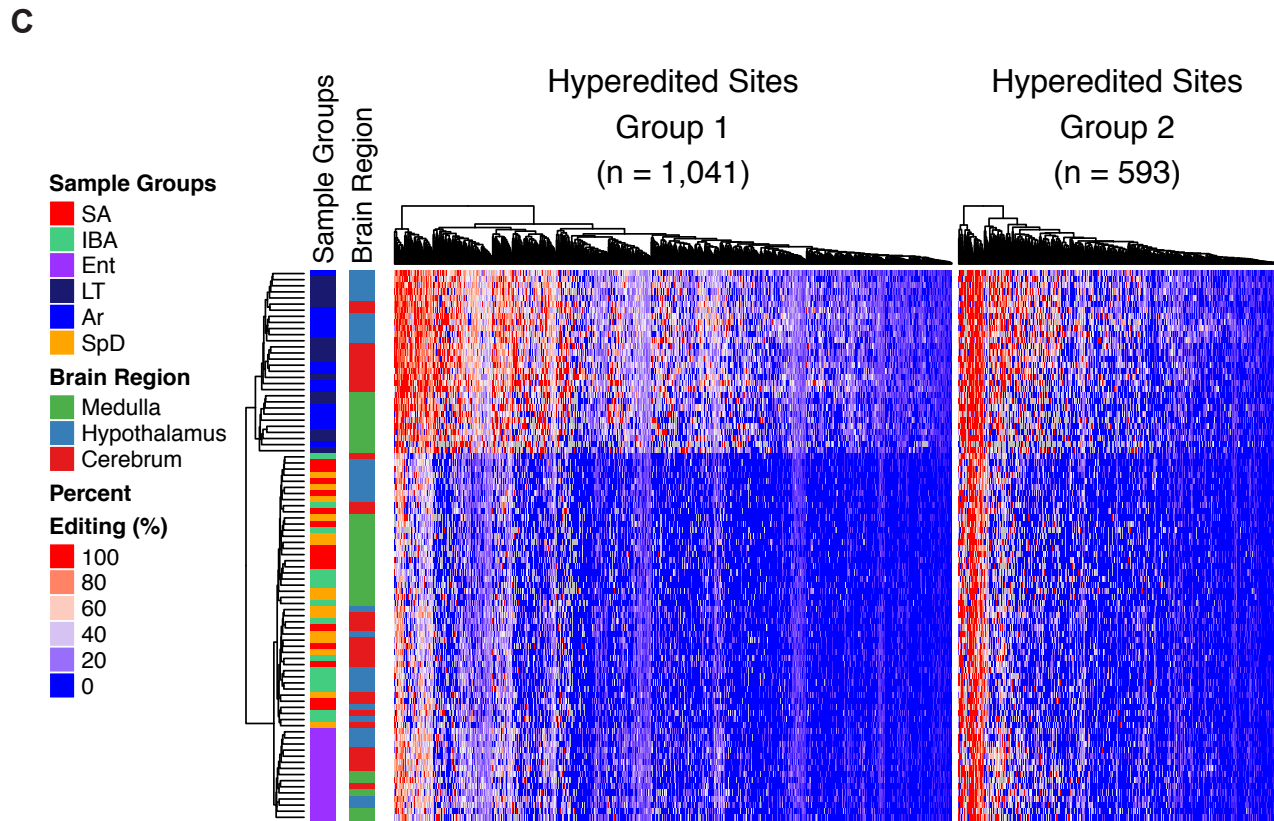
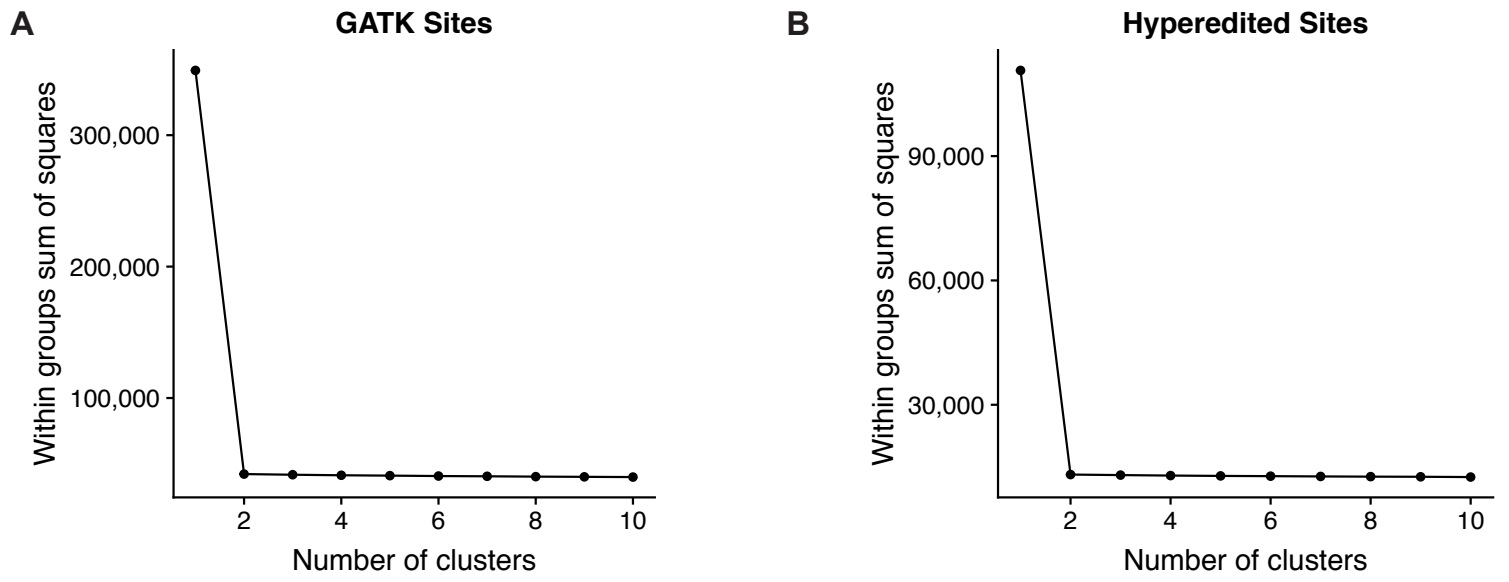
**A****B****C**

Supplemental Figure 3

State • SA • IBA • Ent • LT • Ar • SpD

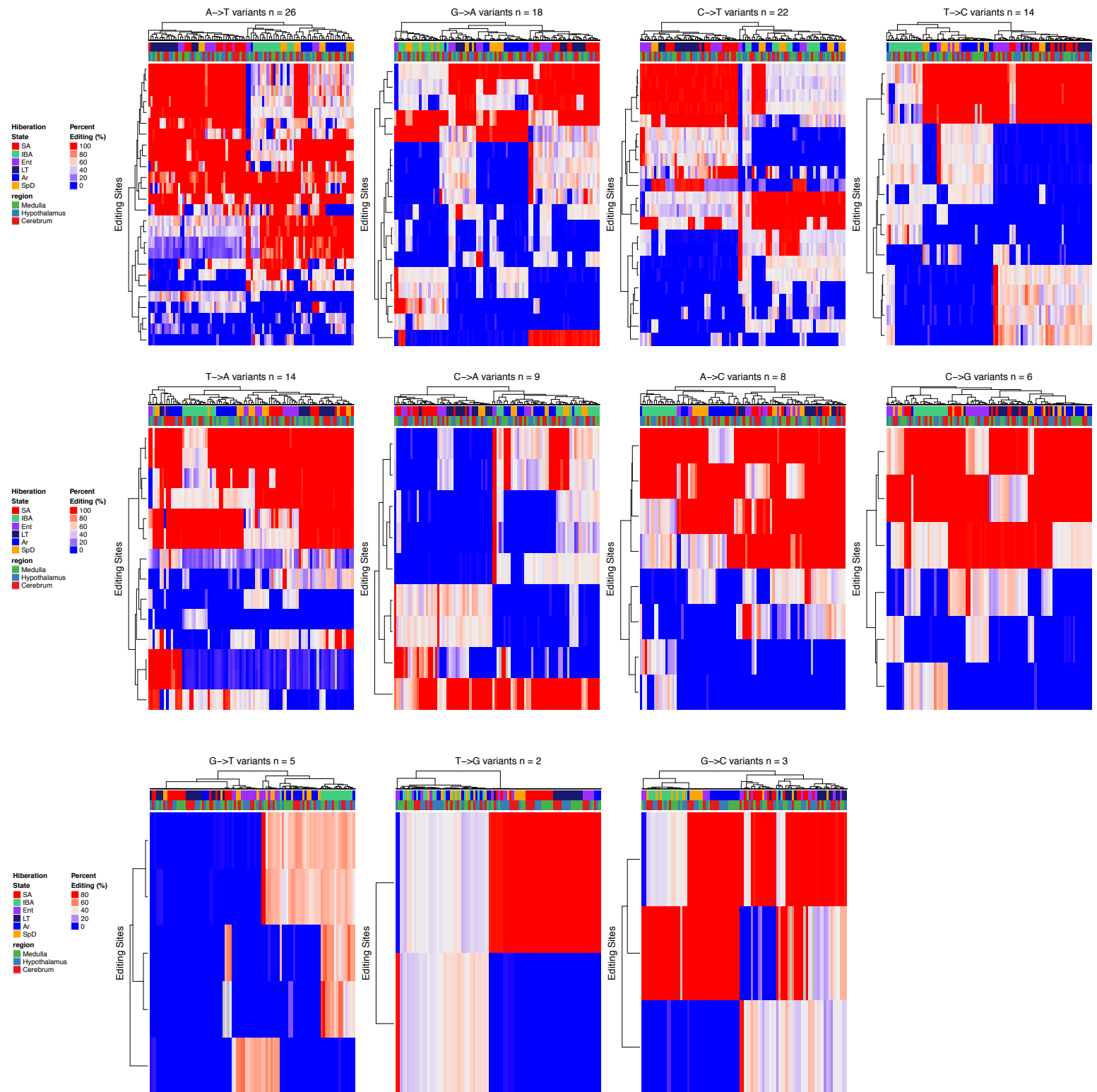


Supplemental Figure 4



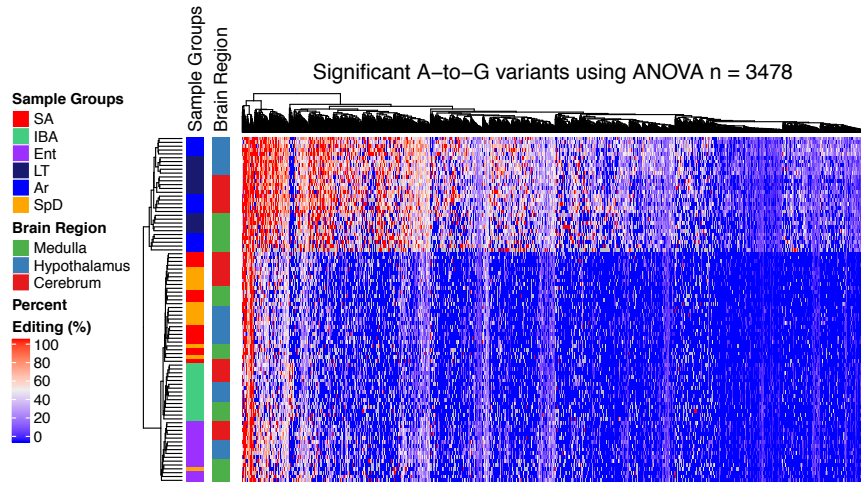


# Supplemental Figure 5

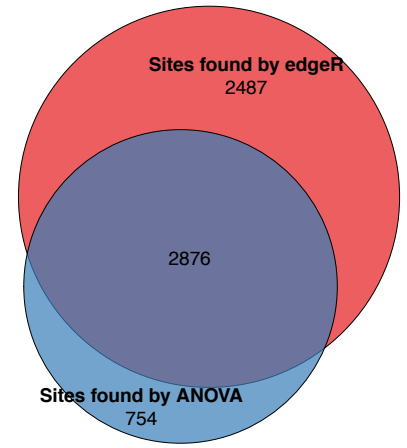


Supplemental Figure 6

A

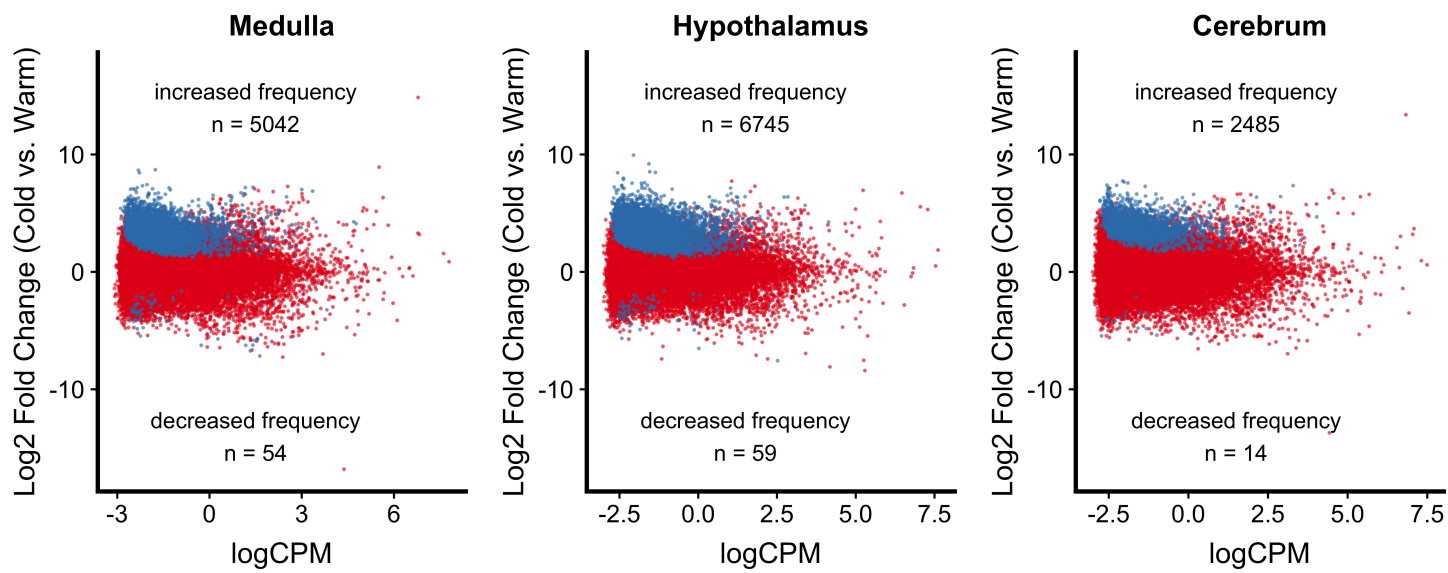


B

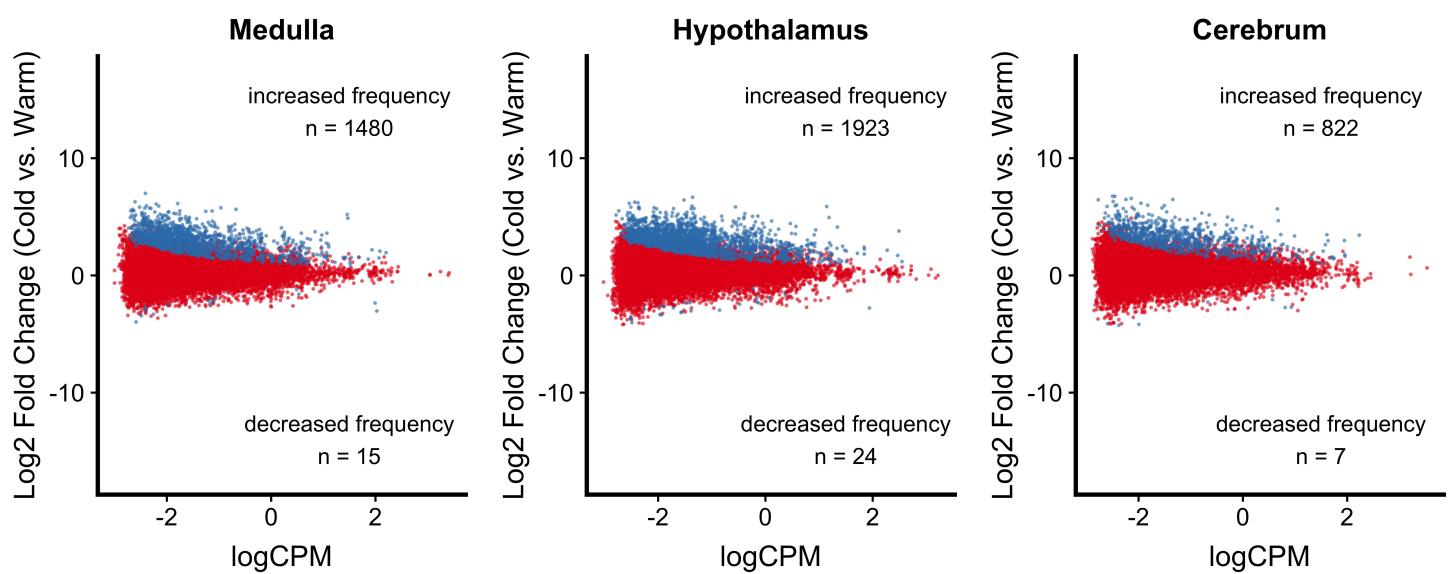


# Supplemental Figure 7

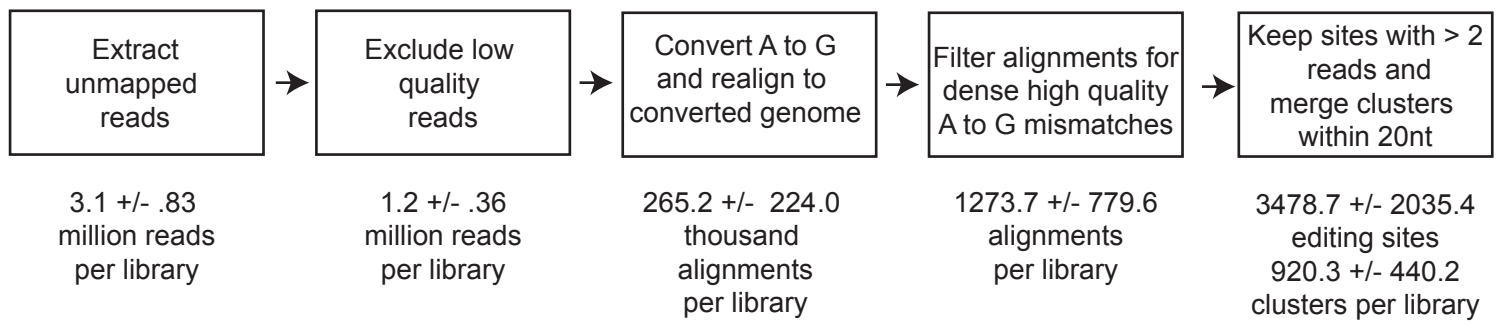
## A



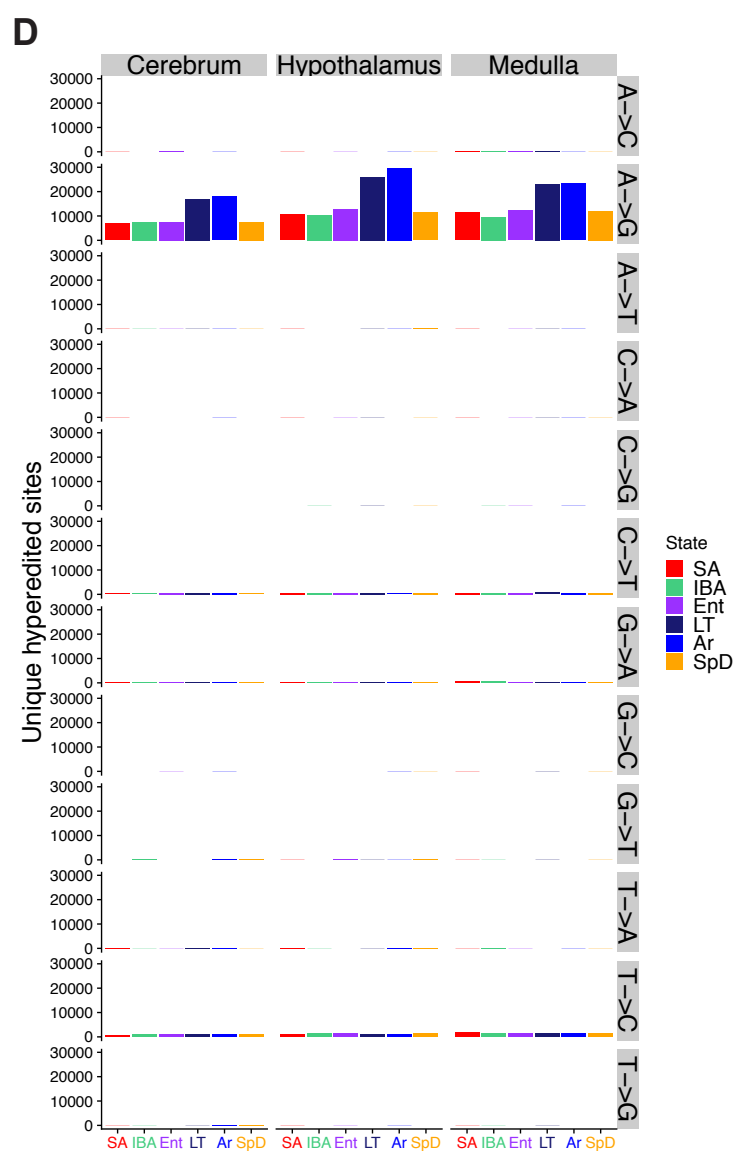
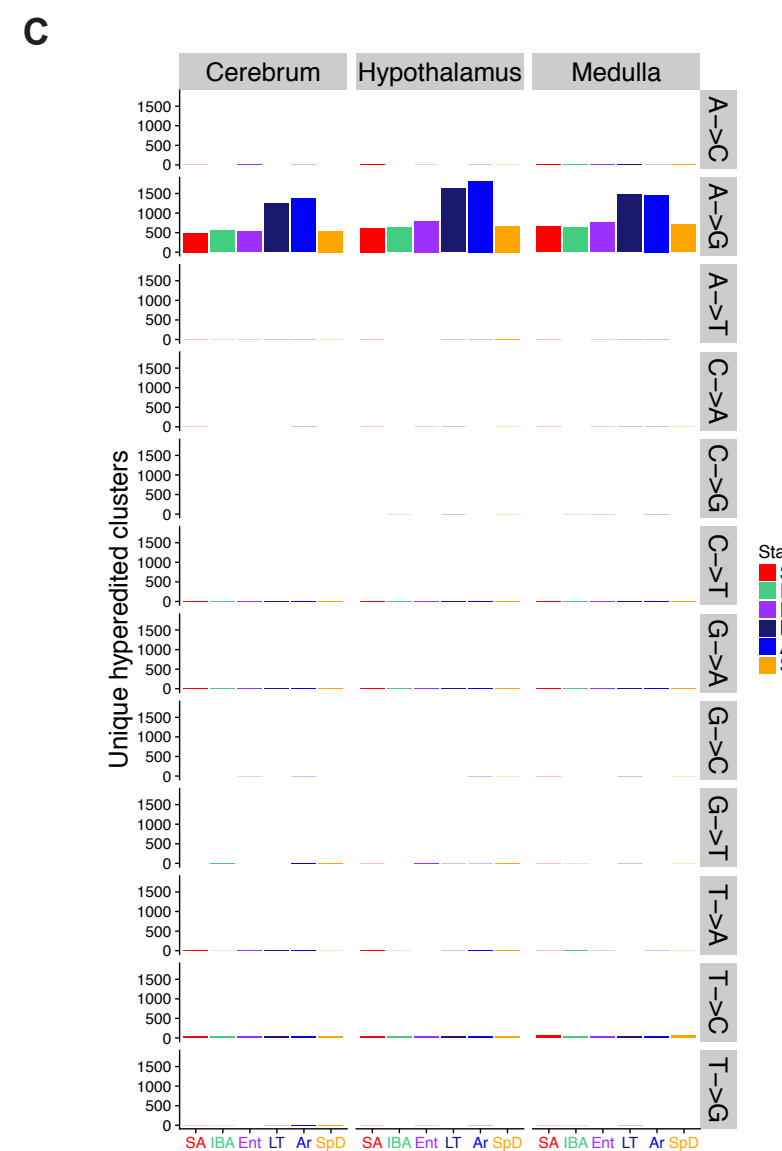
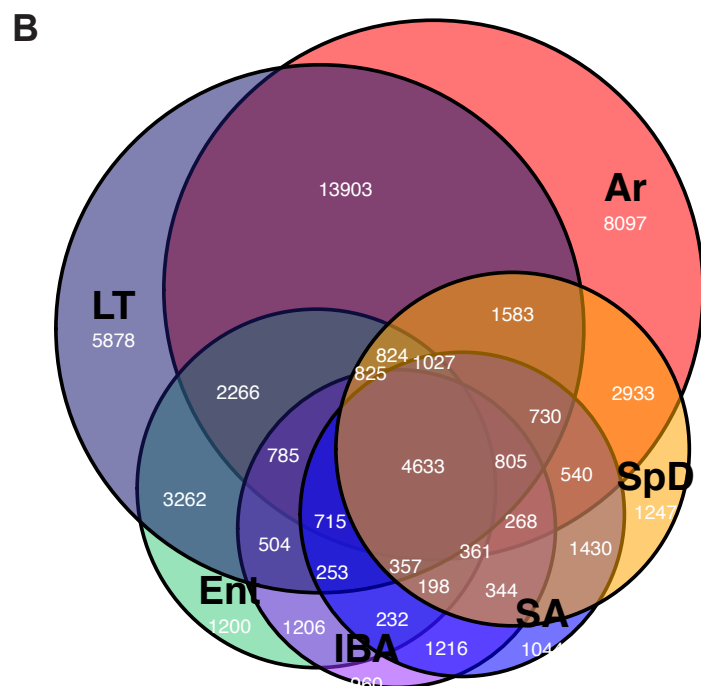
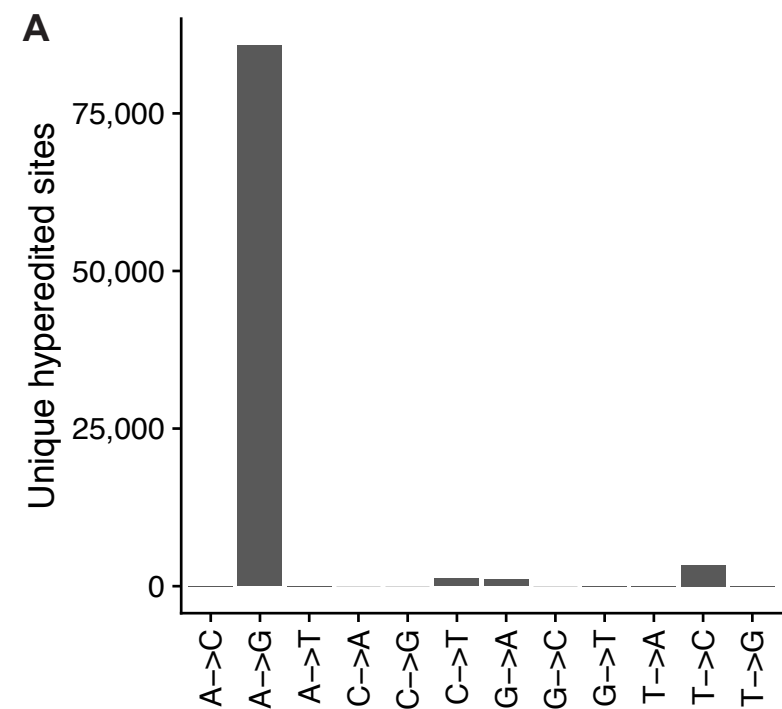
## B



## Supplemental Figure 8

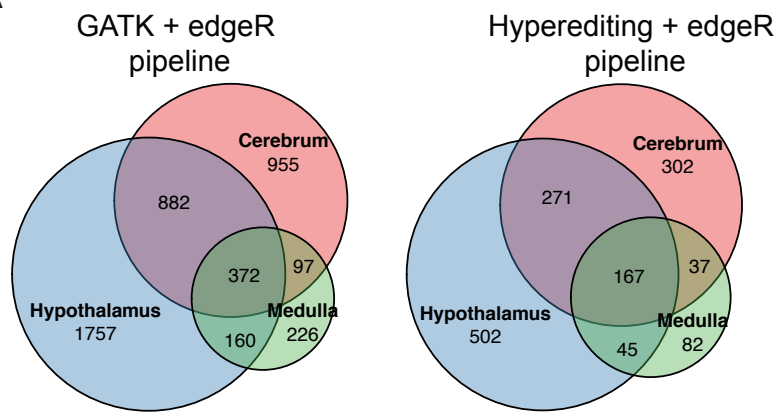


Supplemental Figure 9

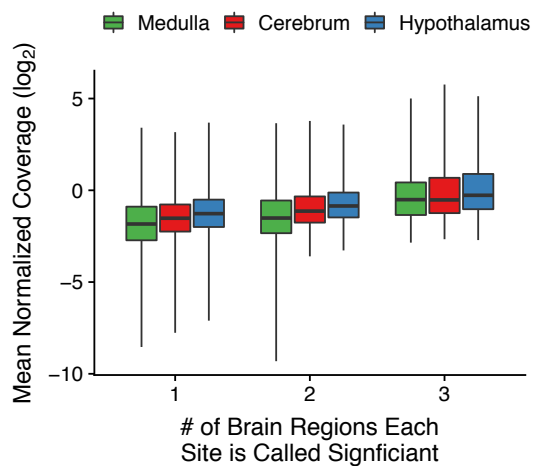


**Supplemental Figure 10**

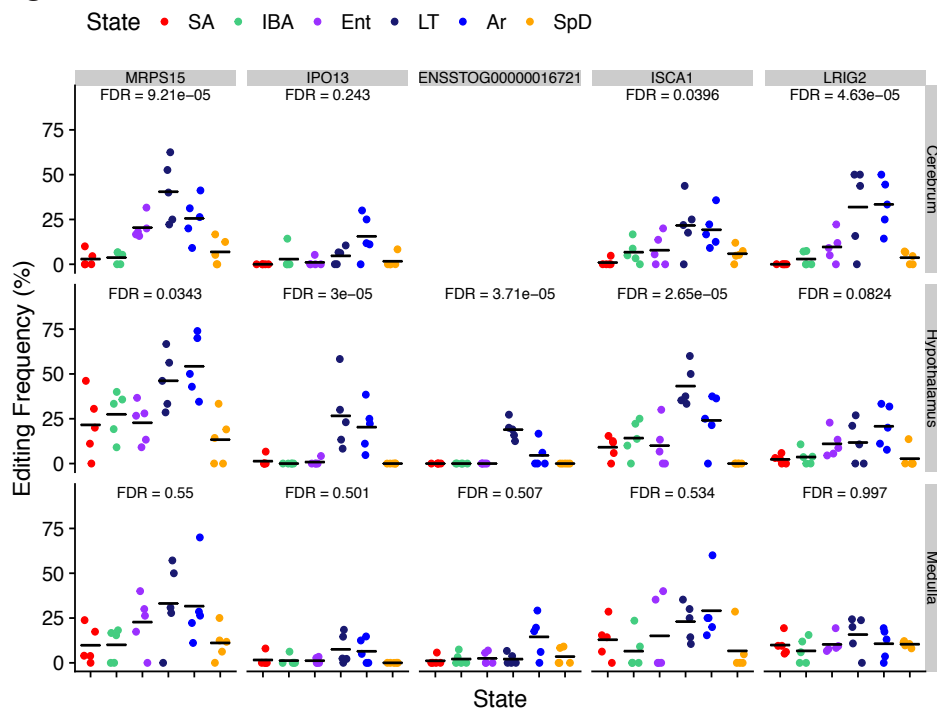
**A**



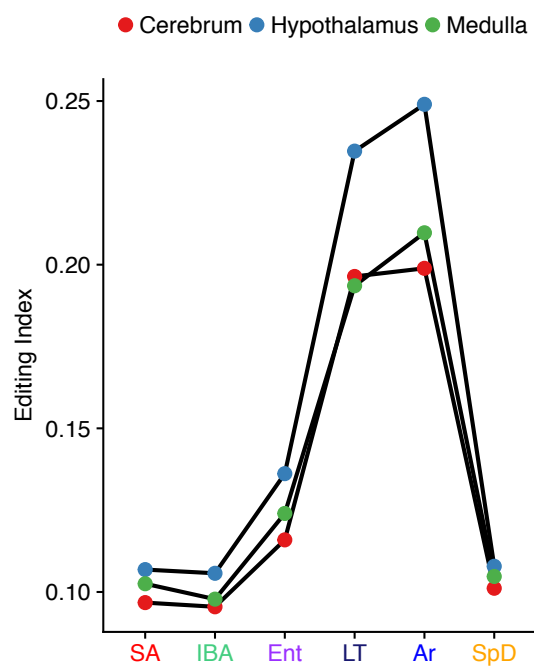
**B**



**C**

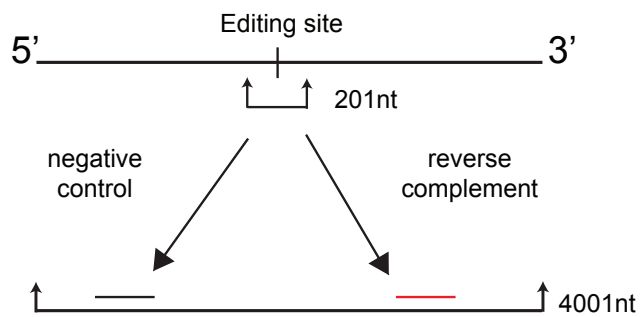


**D**



# Supplemental Figure 11

**A**

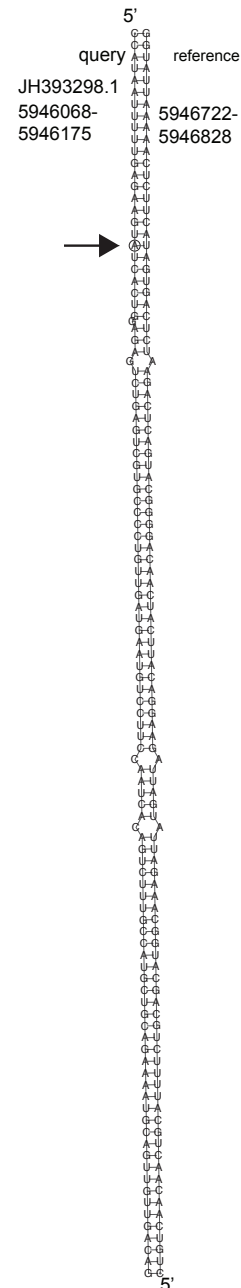
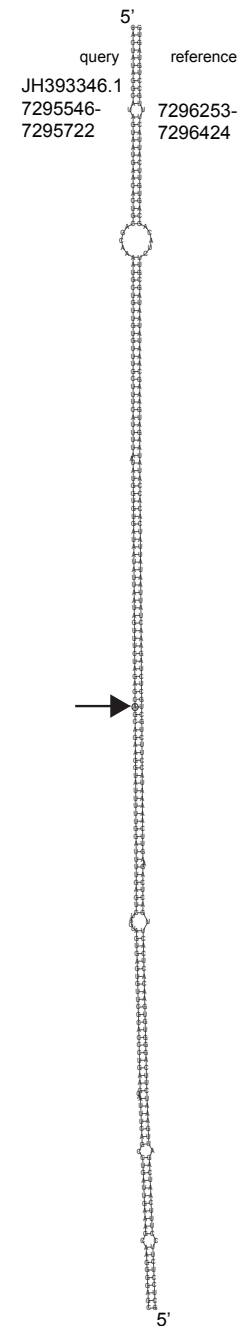
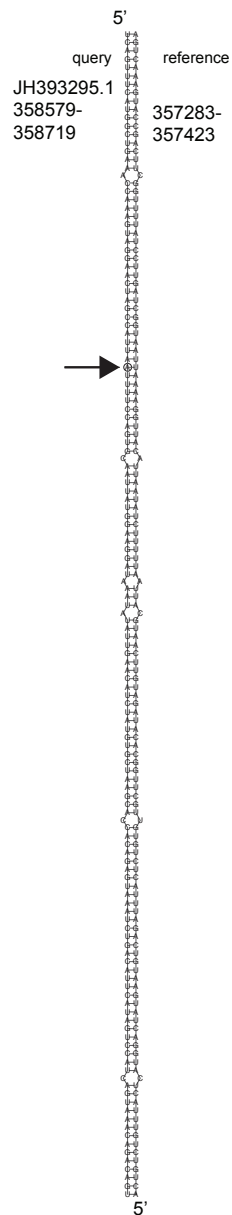
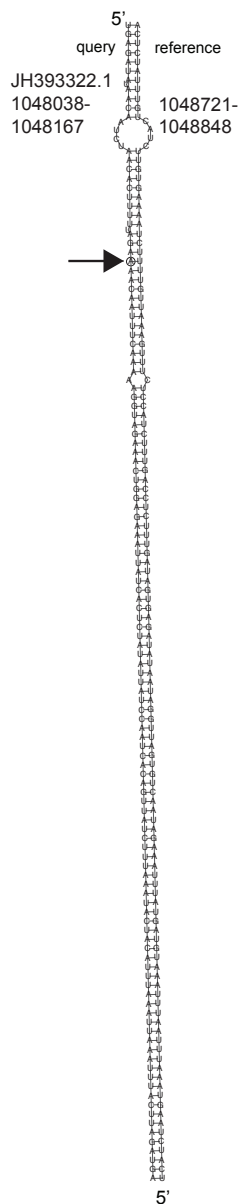


Reverse complement  
flanking sequencing  
and align to 4001nt region

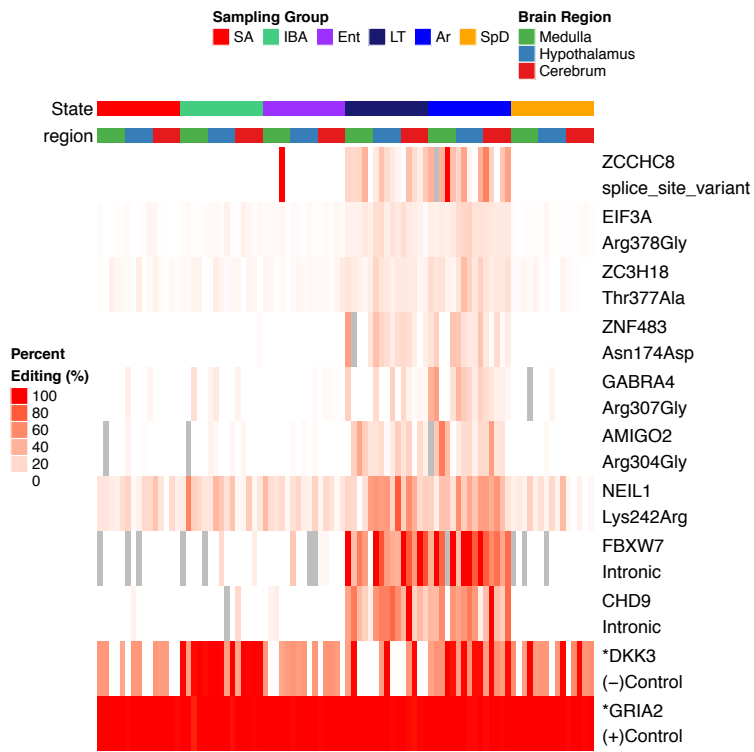
Require an alignment with an  
e-value < 0.01 that spans the editing site  
at least 20 nucleotides in length

As a control also align  
non-reverse complemented flanking  
region and examine second  
best alignments

**B**

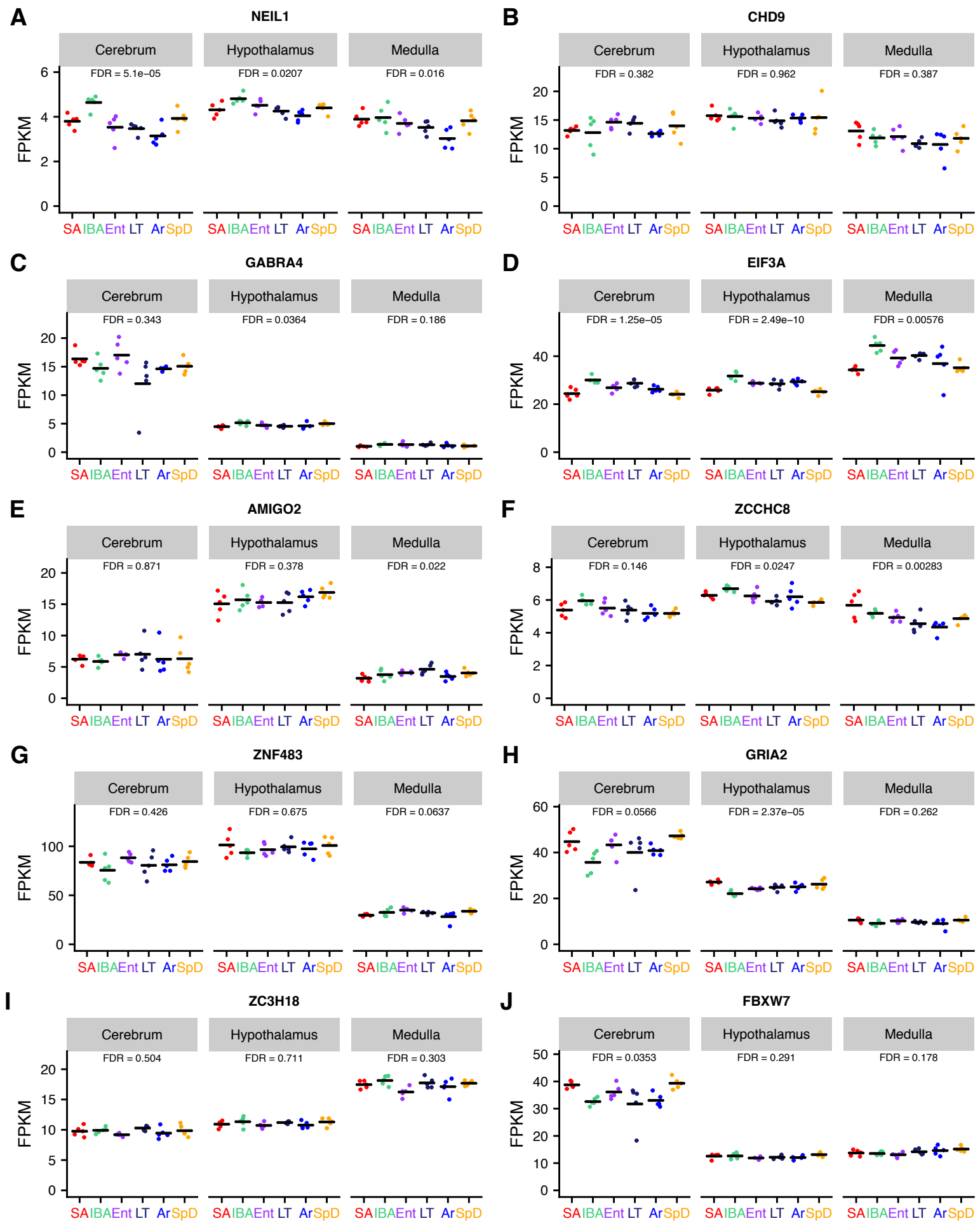


# Supplemental Figure 12

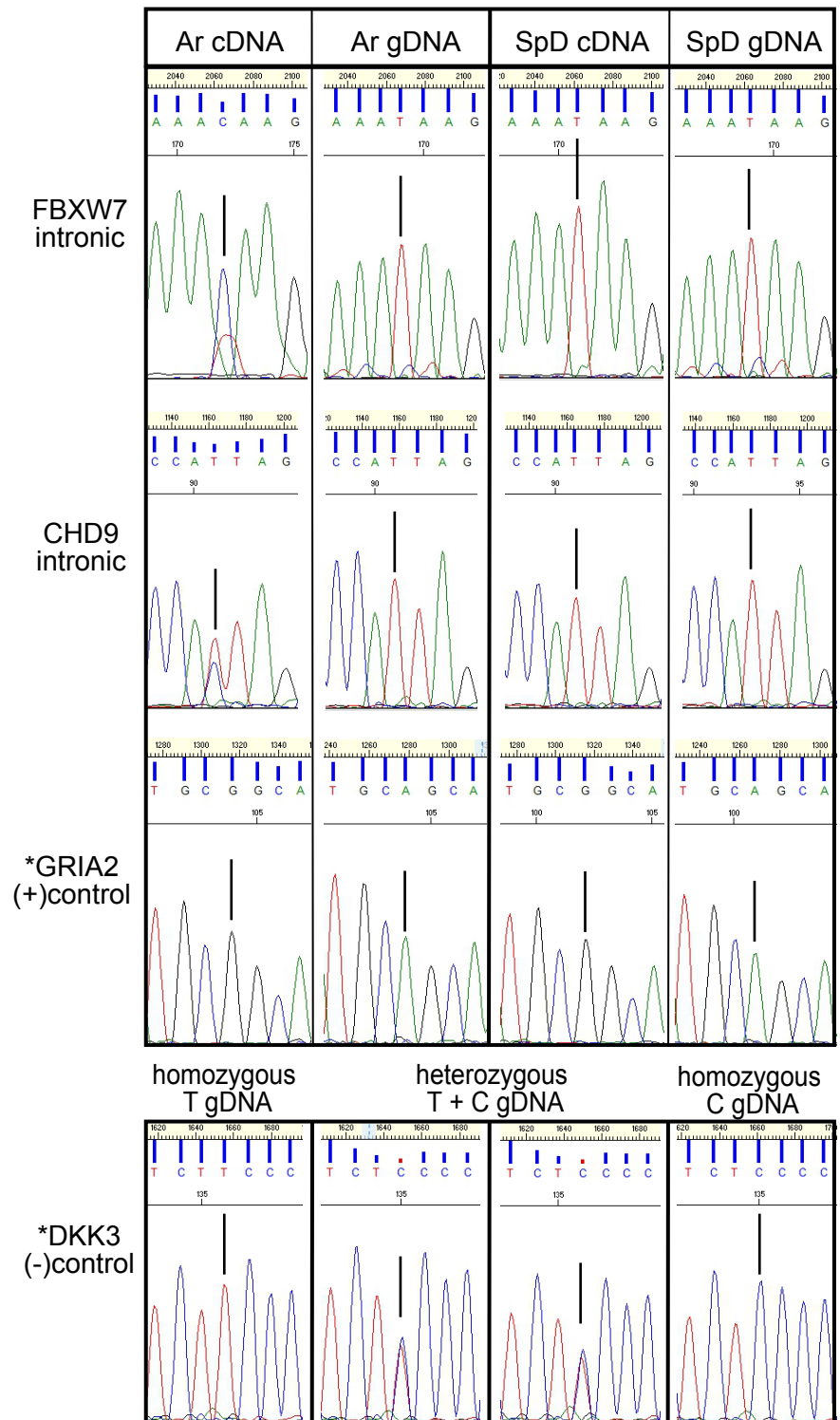
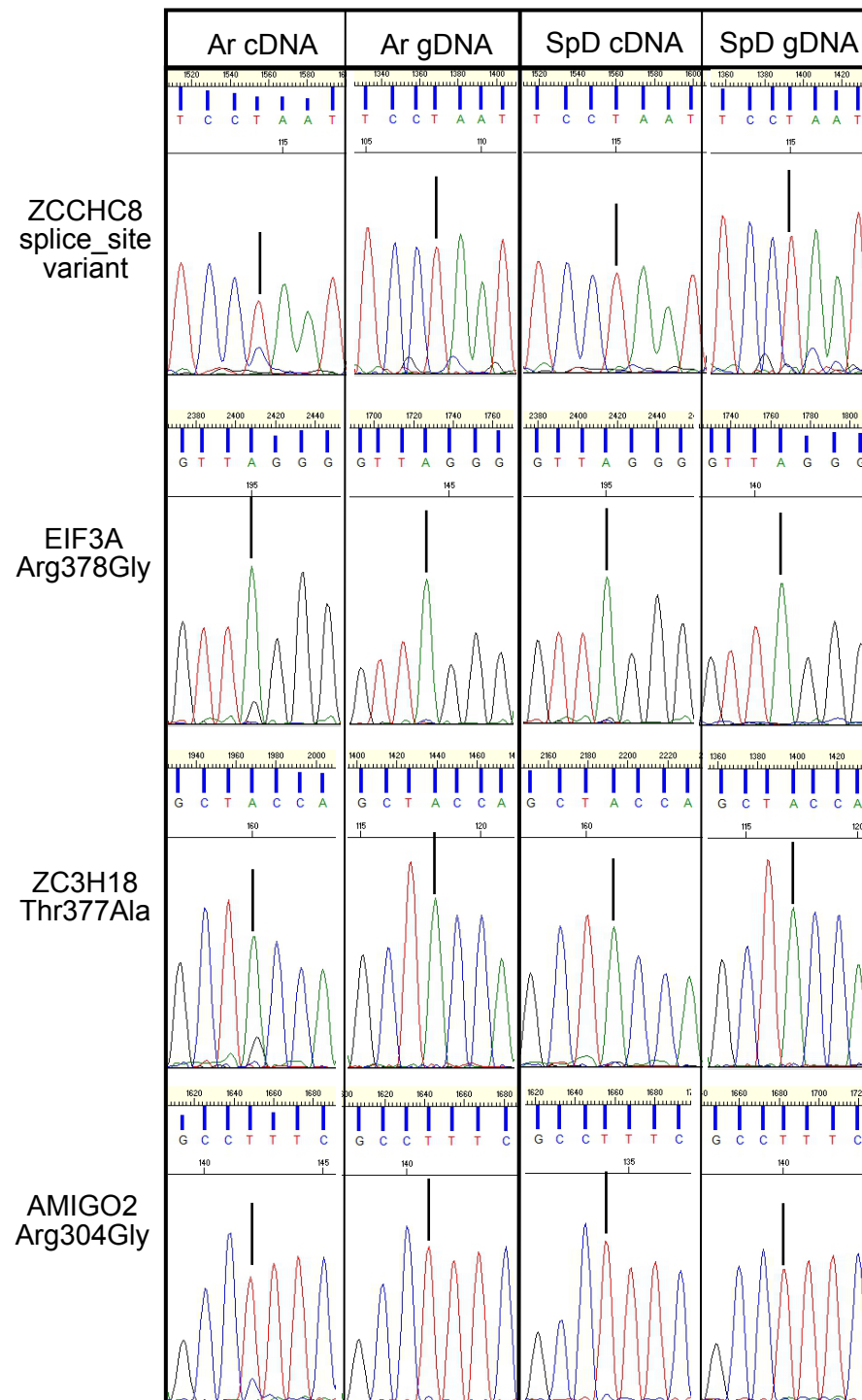




# Supplemental Figure 13

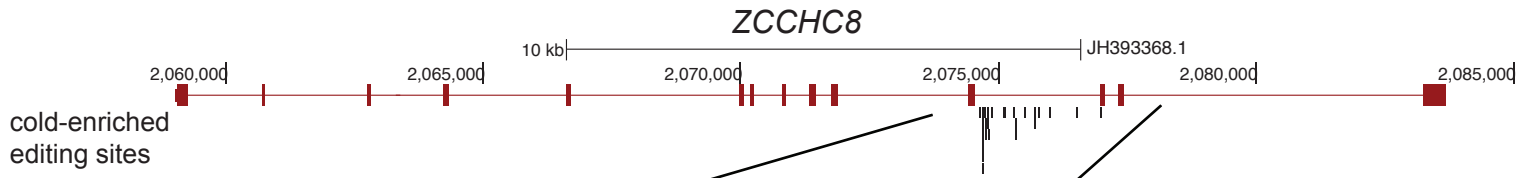


Supplemental Figure 14

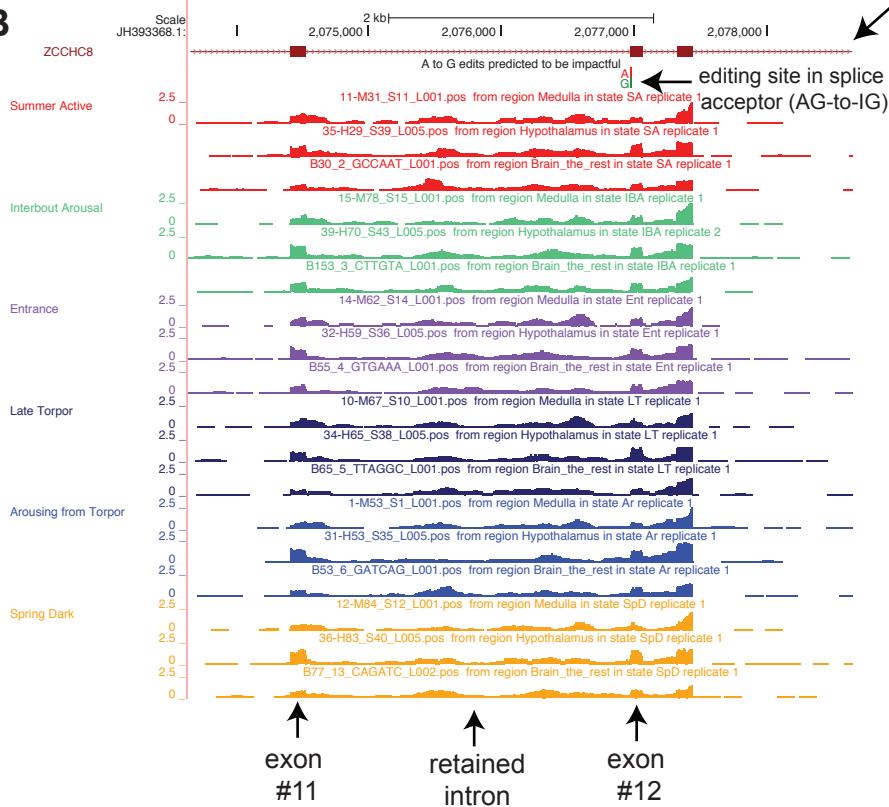


# Supplemental Figure 15

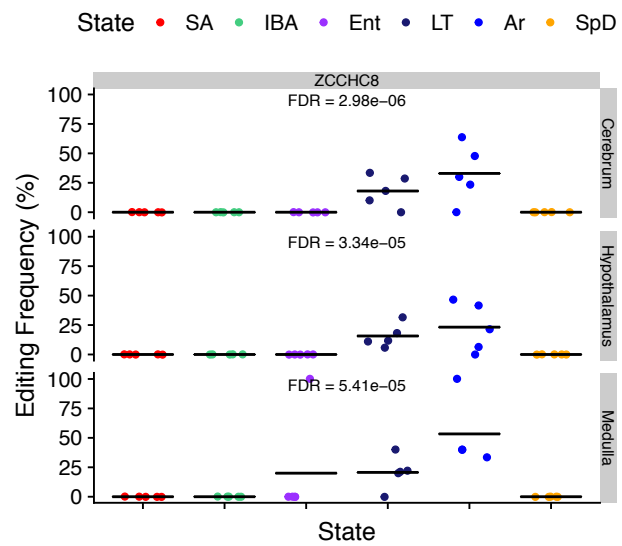
## A



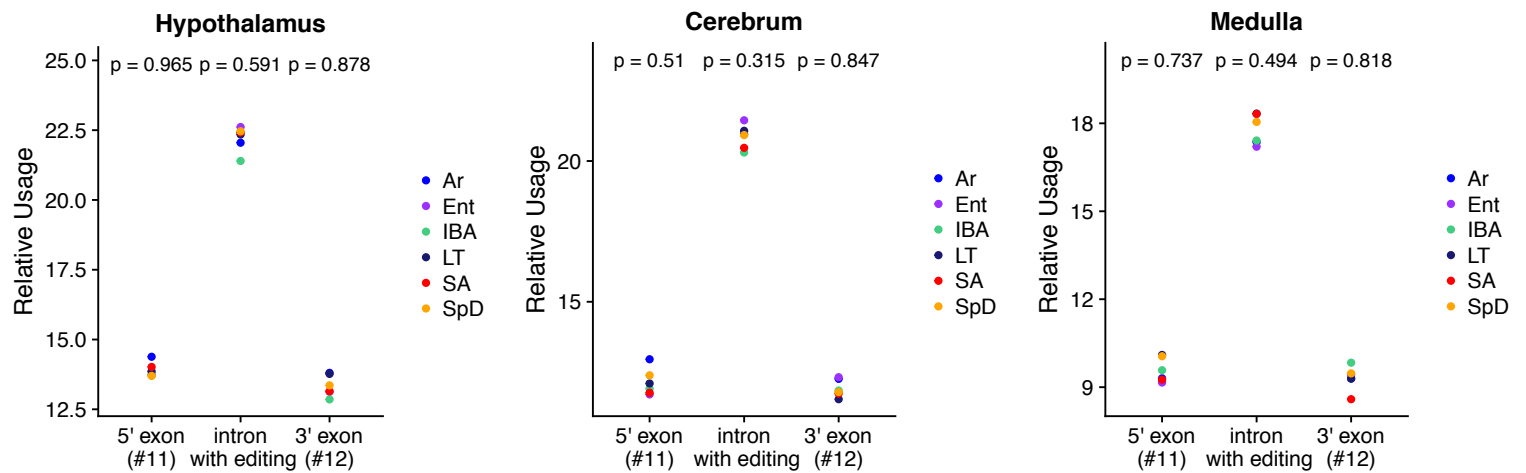
## B



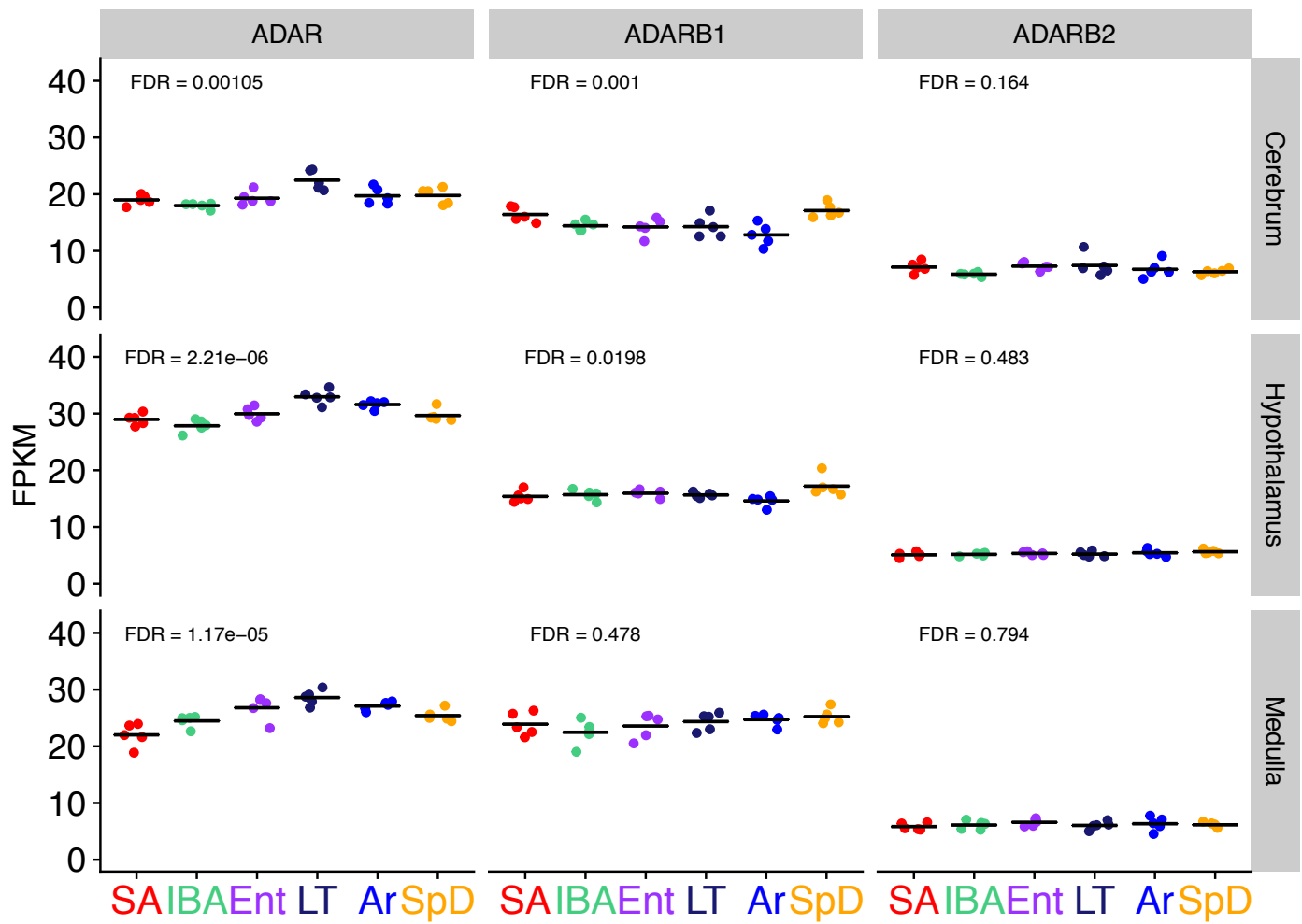
## C



## D



Supplemental Figure 16



Supplemental Figure 17

