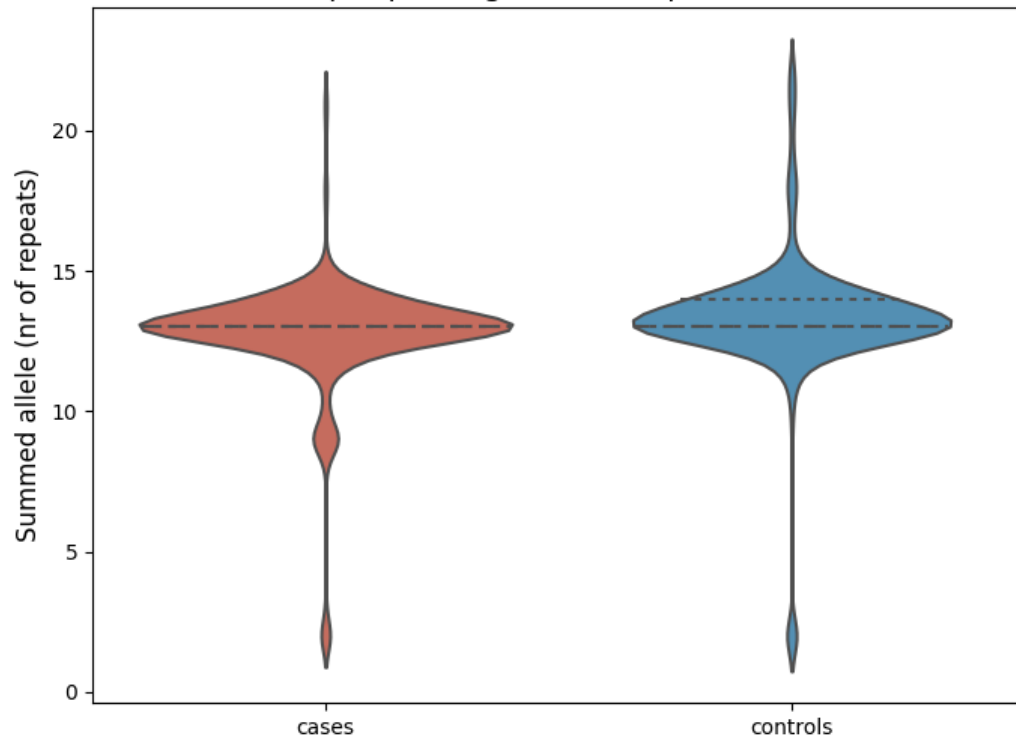
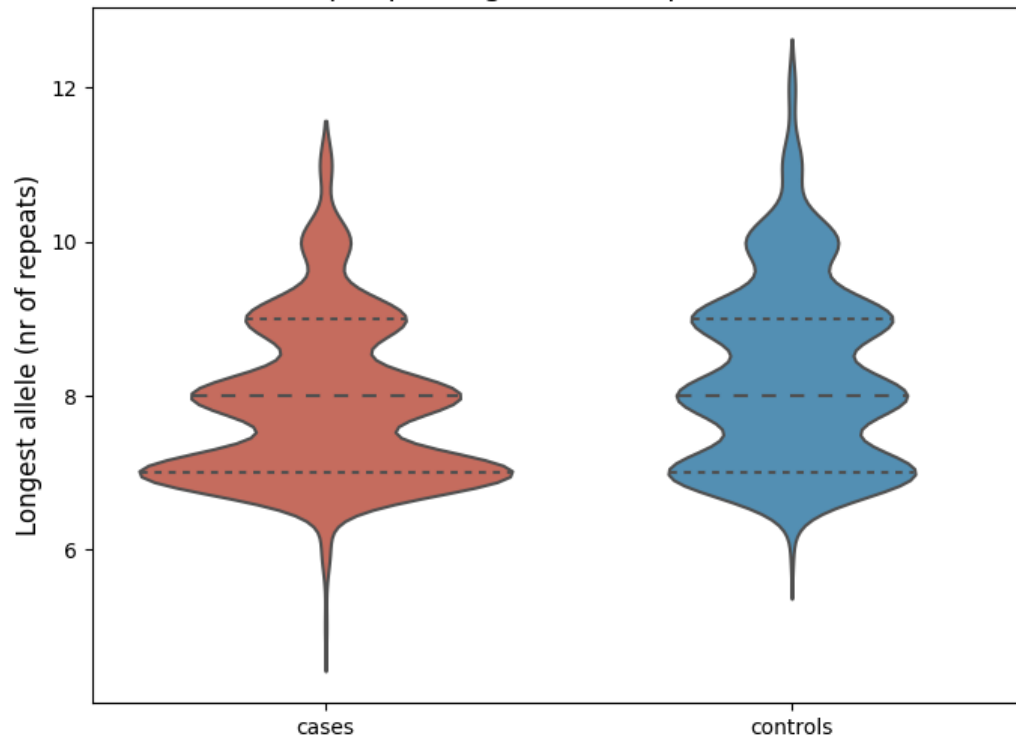


VNTR in the CNTNAP2 gene with  
13 bp repeating motif and  $p = 4.79e-07$

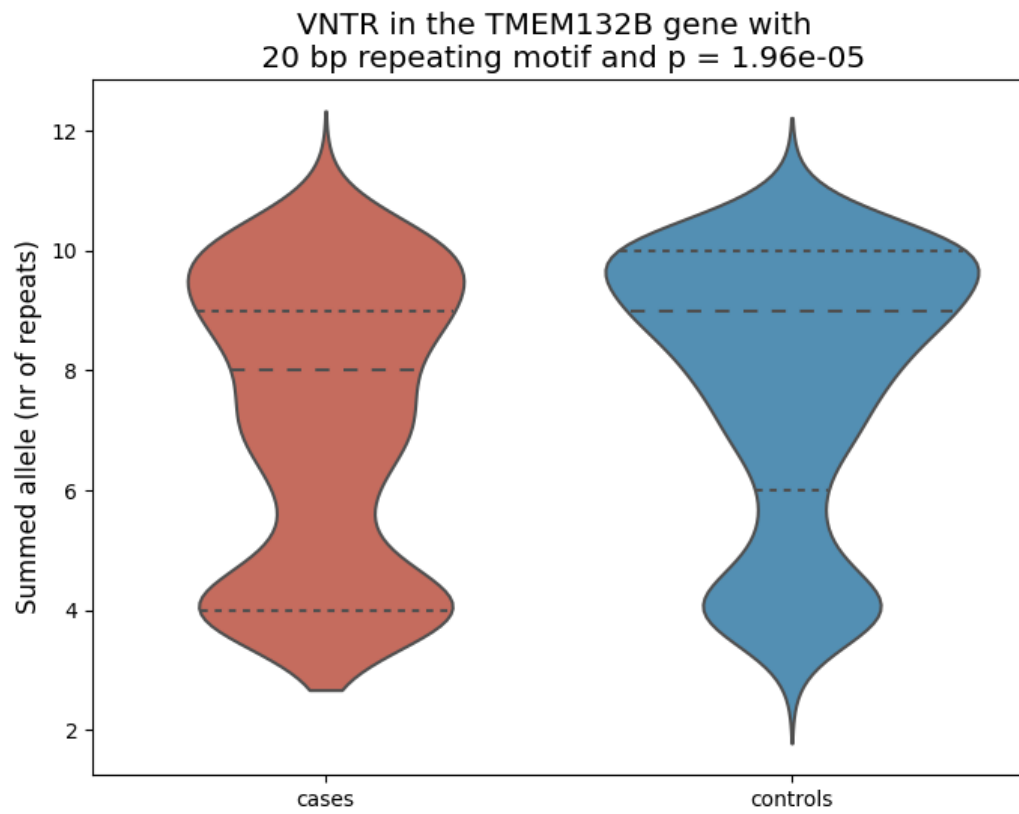


Supplementary Figure 1a: Violin plot for a VNTR in the CNTAP2 gene that came up as significant using Wilcoxon Rank Sum Test. The indicated p-value is the FDR corrected p.

VNTR in the TRIO gene with  
18 bp repeating motif and  $p = 5.63e-07$

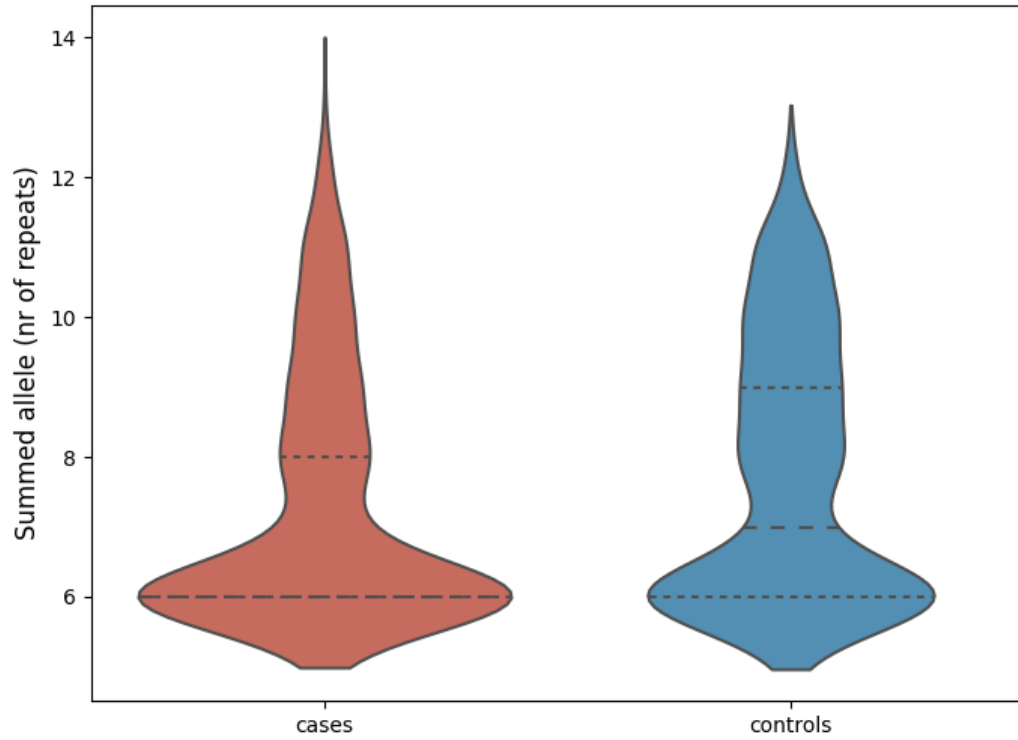


Supplementary Figure 1b: Violin plot for a VNTR in the TRIO gene that came up as significant using Wilcoxon Rank Sum Test. The indicated p-value is the FDR corrected p.



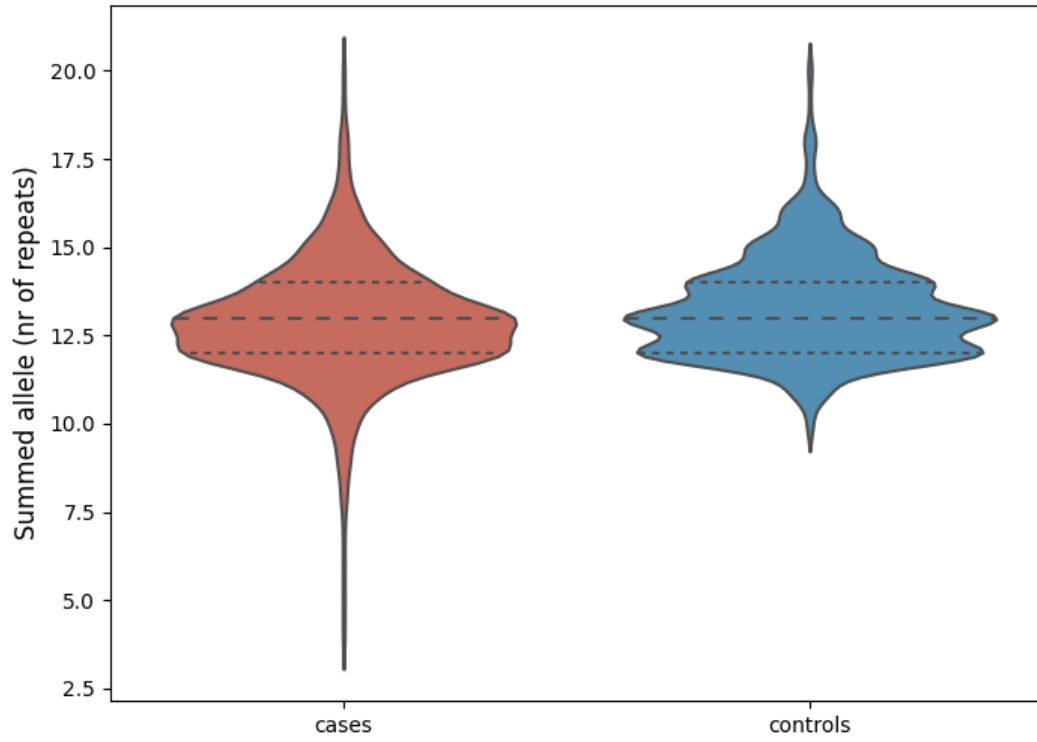
Supplementary Figure 1c: Violin plot for a VNTR in the TMEM132B gene that came up as significant using Wilcoxon Rank Sum Test. The indicated p-value is the FDR corrected p.

VNTR in the GRK5 gene with  
18 bp repeating motif and  $p = 1.04e-04$



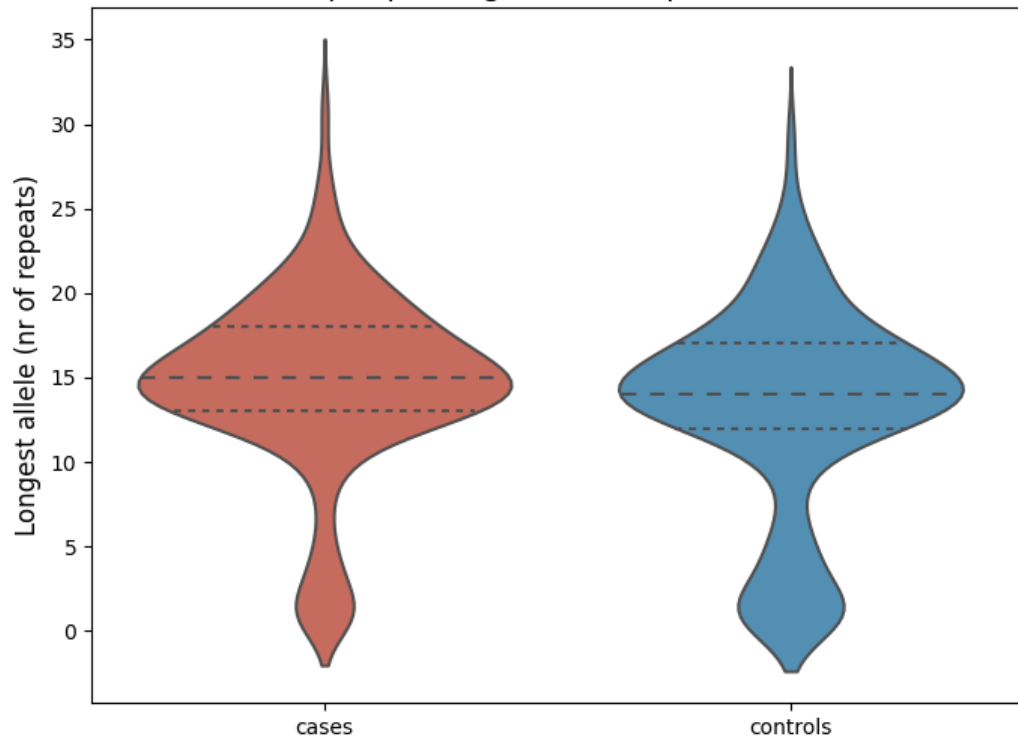
Supplementary Figure 1d: Violin plot for a VNTR in the GRK5 gene that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .

VNTR in the COL5A1 gene with  
16 bp repeating motif and  $p = 1.13e-04$

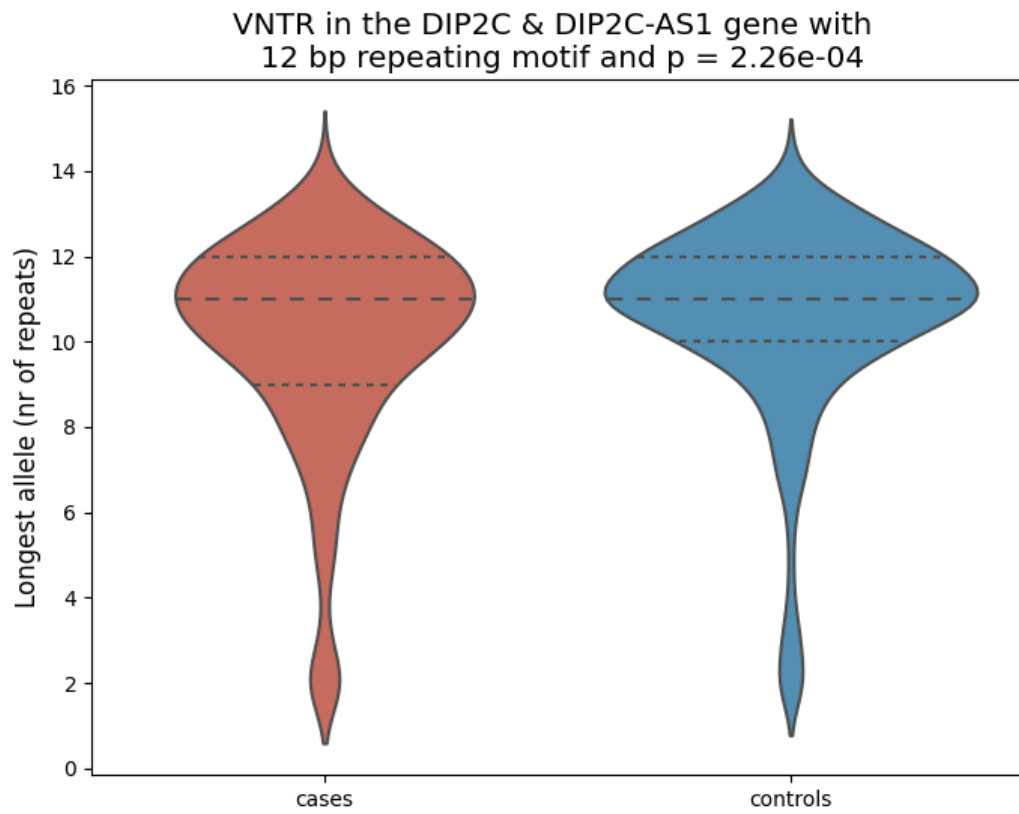


Supplementary Figure 1e: Violin plot for a VNTR in the COL5A1 gene that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .

VNTR in the NDST4 gene with  
13 bp repeating motif and  $p = 1.35e-04$

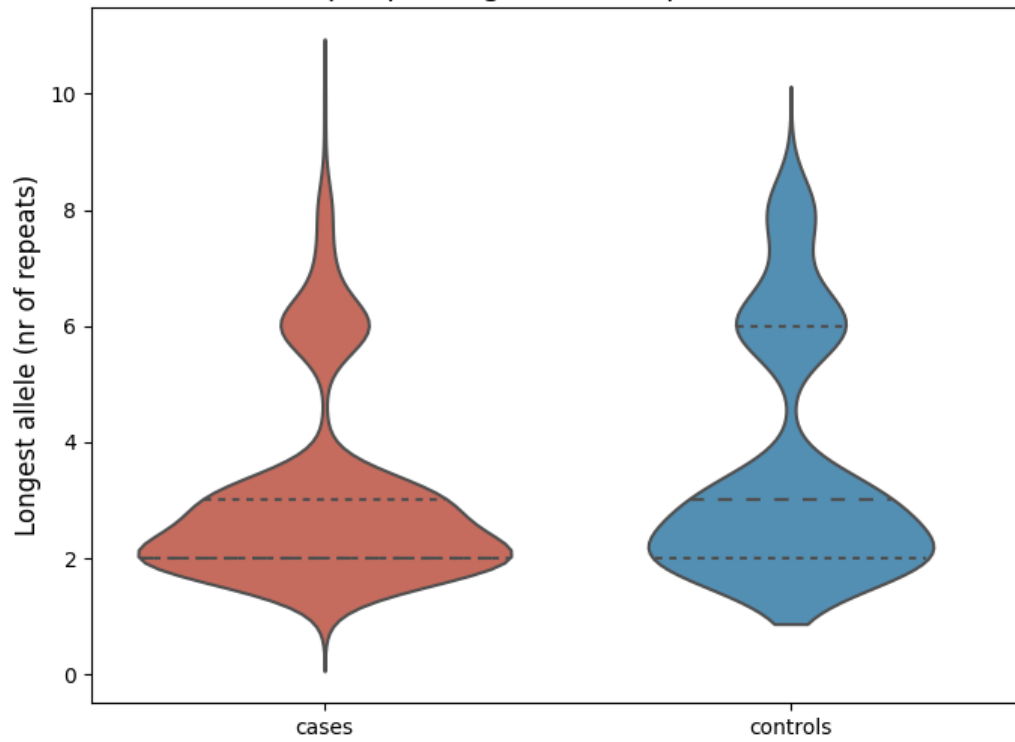


Supplementary Figure 1f: Violin plot for a VNTR in the NDST4 gene that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .



Supplementary Figure 1g: Violin plot for a VNTR in the DIP2C & DIP2C-AS1 genes that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .

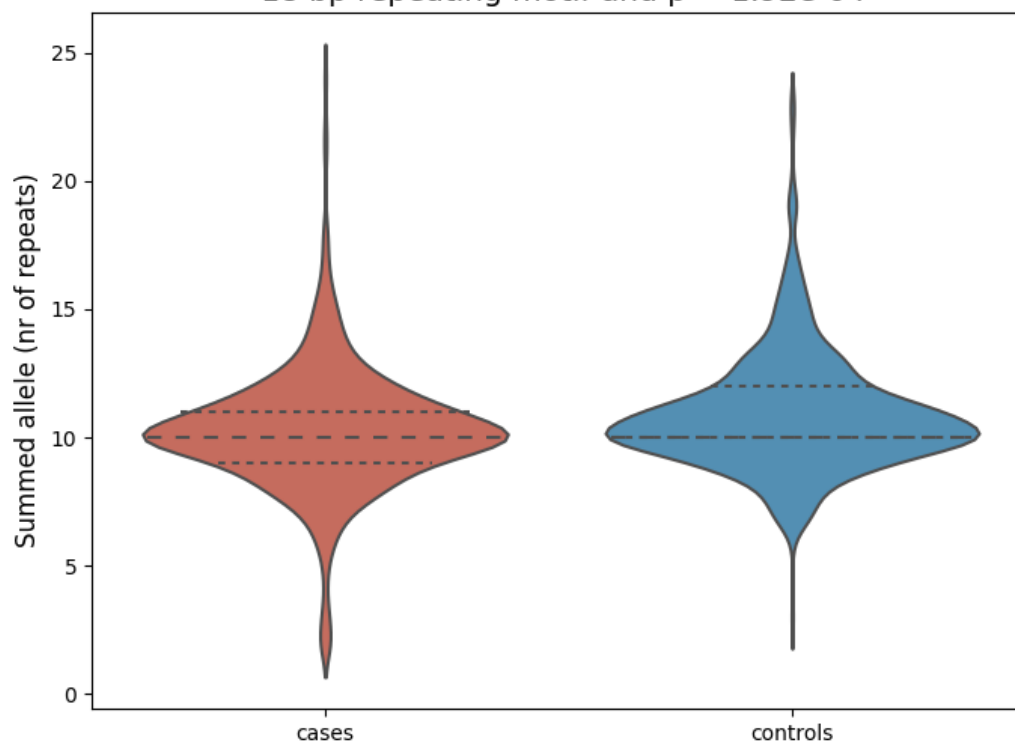
VNTR in the LOC107986324 & LINC02233 gene with  
19 bp repeating motif and  $p = 2.29e-04$



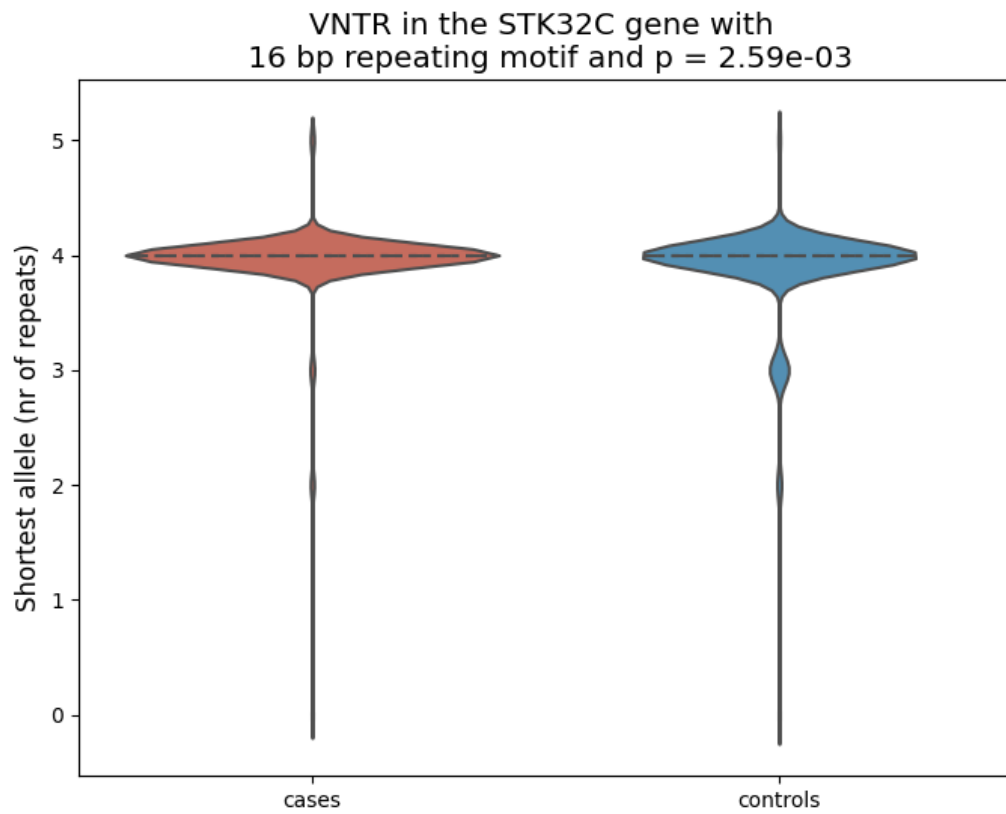
Supplementary Figure 1h: Violin plot for a VNTR in the LOC107986234 & LINC02233 genes that came up as significant using Wilcoxon Rank Sum Test. The indicated p-value is the FDR corrected p.



VNTR in the LOC107984941 & LOC105378648 gene with  
18 bp repeating motif and  $p = 1.92e-04$



Supplementary Figure 1i: Violin plot for a VNTR in the LOC107984941 & LOC105378648 genes that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .



Supplementary Figure 1j: Violin plot for a VNTR in the STK32C gene that came up as significant using Wilcoxon Rank Sum Test. The indicated  $p$ -value is the FDR corrected  $p$ .