# Differential expression of COVID-19-related genes in European Americans and African Americans

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## ABSTRACT

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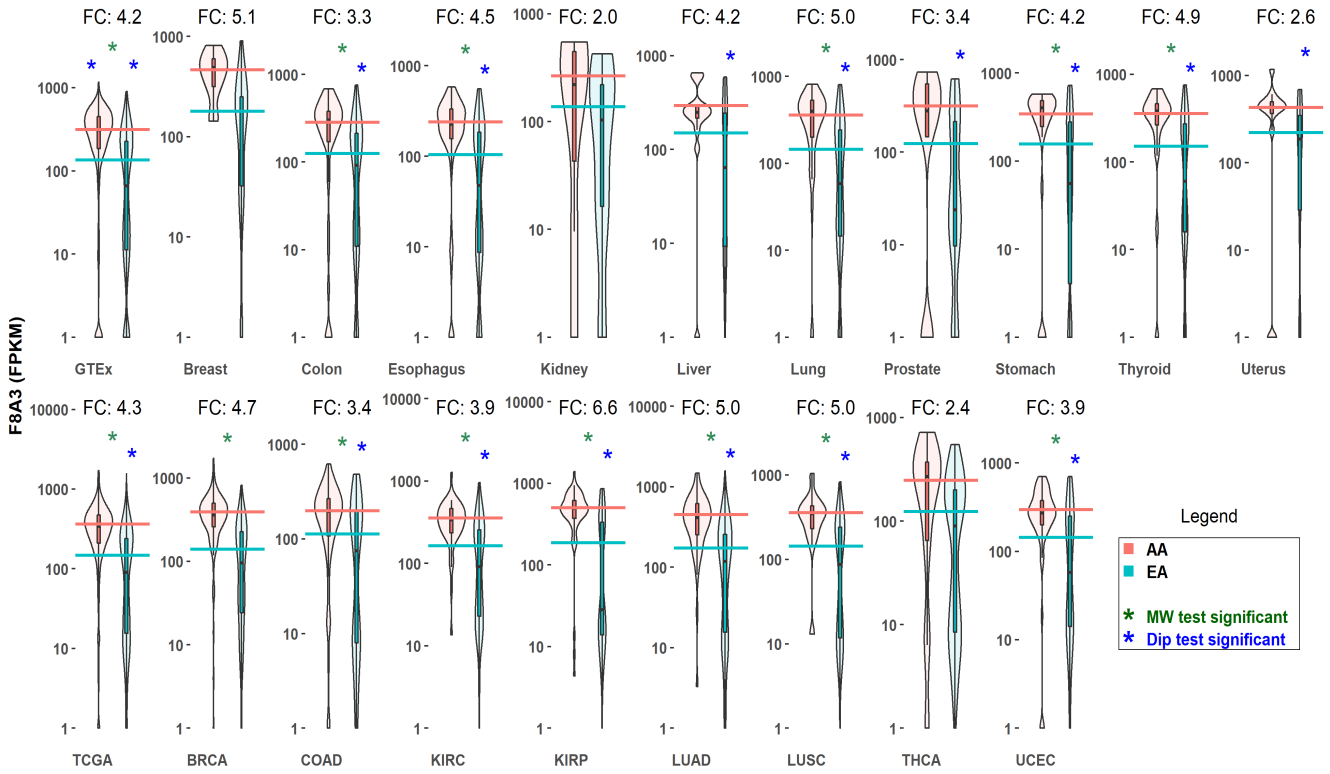
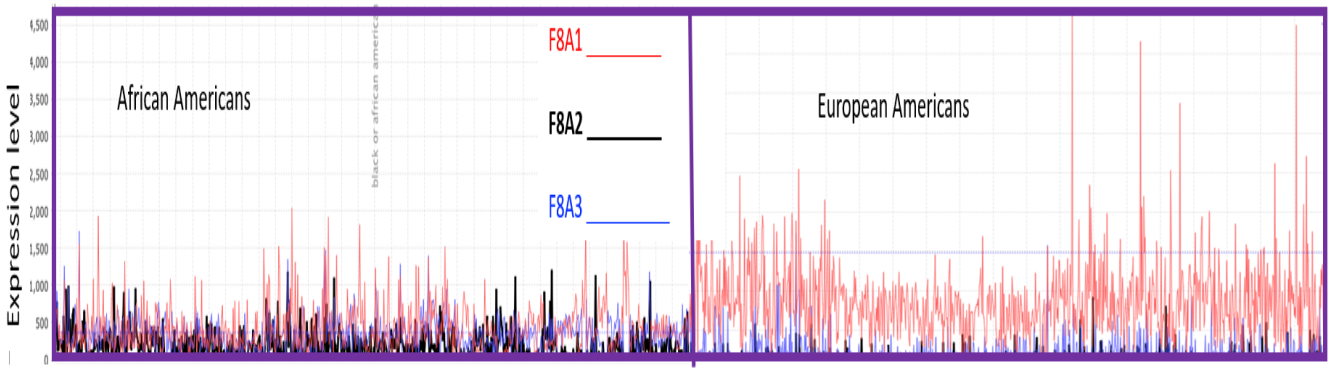
# 1 Supplementary Figures




**Supplementary Figure 1.** Expression of the HAP40-encoding putative early endosome trafficking gene F8A3 in African Americans and European Americans across multiple conditions. HAP40 protein is a key component of Huntington's Disease and shifts endosomal trafficking from the microtubules to actin[1]. Violin plots summarize the expression over each sample in the two populations. AA, African American; EA, European American. Horizontal lines represent mean log expression. , Hartigans' dip test significant (p-value $< 0.05$); , MW test significant (BH corrected p-value $< 0.05$). FC, fold change AA/EA. GTEx and TCGA represent the pooled samples from each project.




**Supplementary Figure 2.** Line plot comparing expression levels of the F8A genes in African Americans and European Americans. X axis, samples of breast, thyroid and lung tissues from GTEx; 300 samples are shown for each population. Y axis, Expression values. Each line represents a gene.

## References

**1.** Pal, A., Severin, F., Lommer, B., Shevchenko, A. & Zerial, M. Huntingtin–hap40 complex is a novel rab5 effector that regulates early endosome motility and is up-regulated in huntington's disease. *The J. cell biology* **172**, 605–618 (2006).