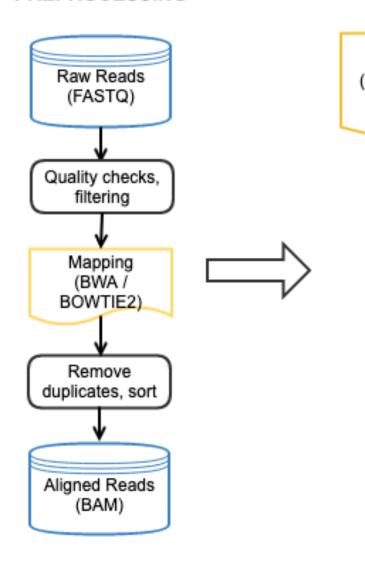
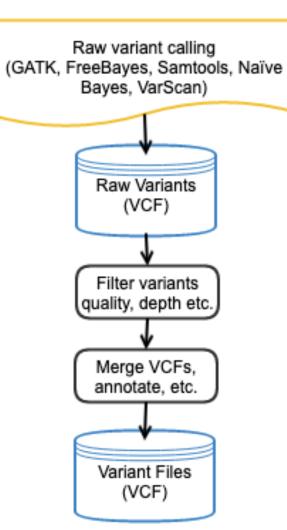
Background & Workshop Overview

PREPROCESSING

VARIANT CALLING

VARIANT ANALYSIS



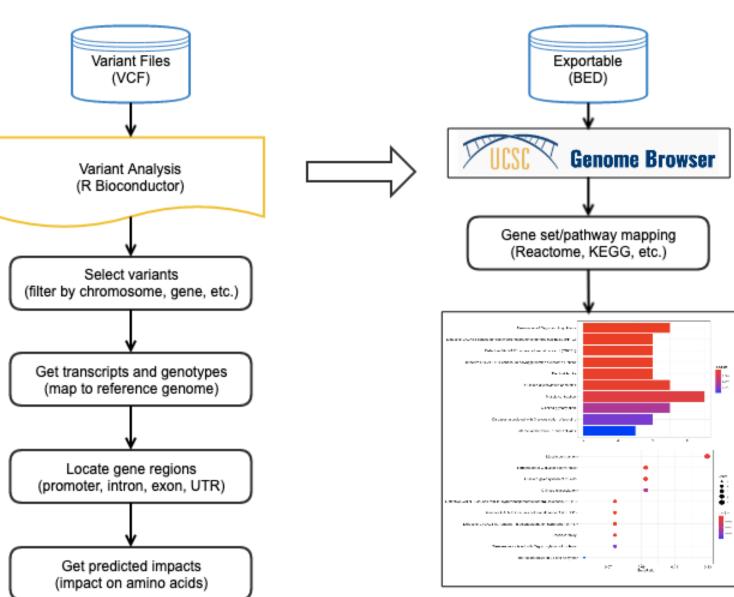


 \Rightarrow

Variant Analysis (R Bioconductor)

VARIANT ANALYSIS (FUNCTIONAL IMPACTS)

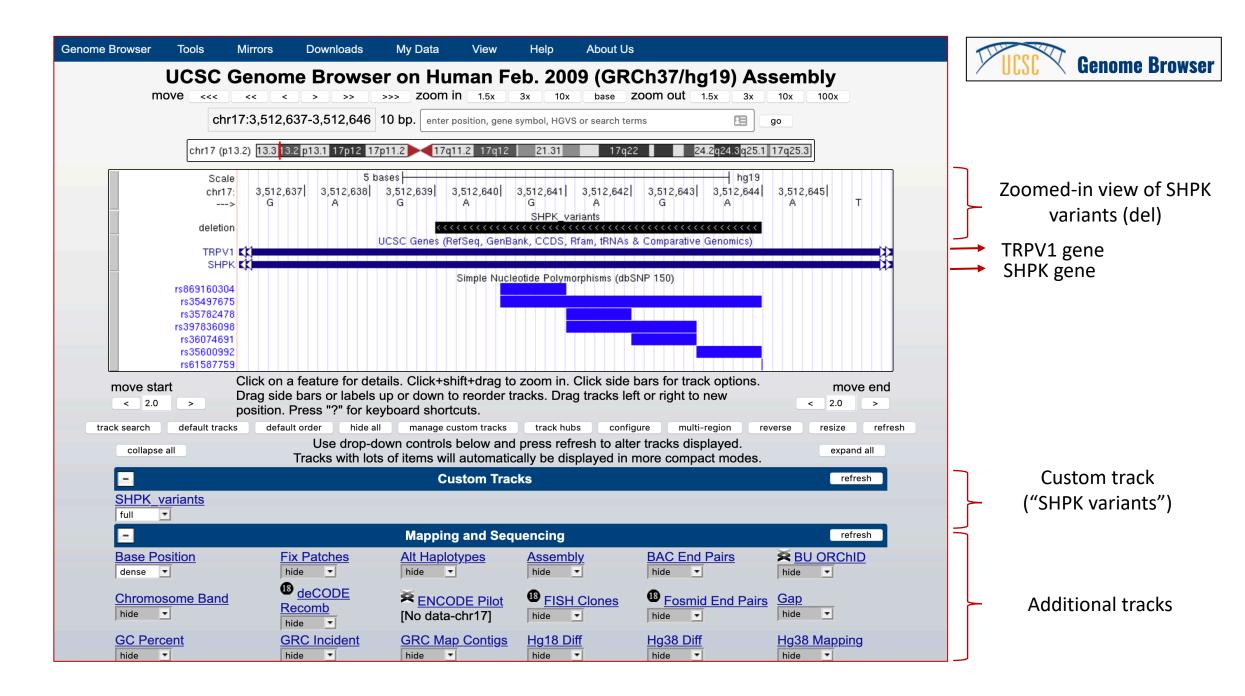
Overview of steps covered in this workshop:

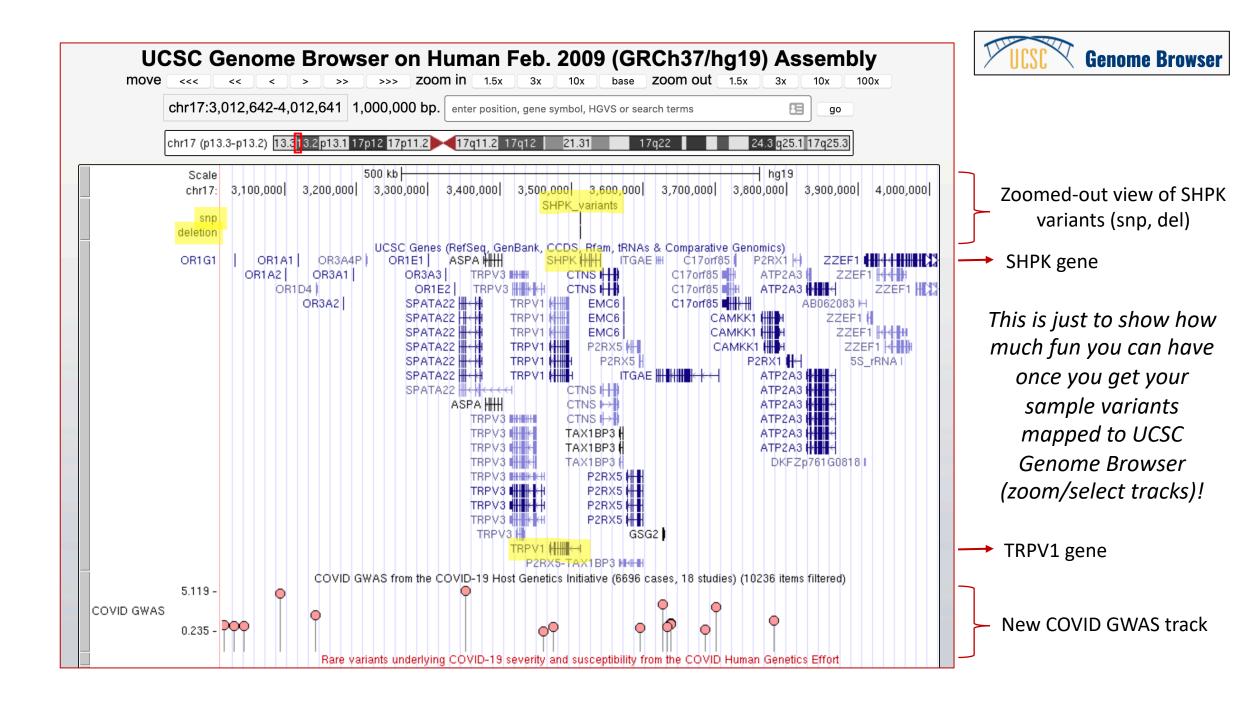


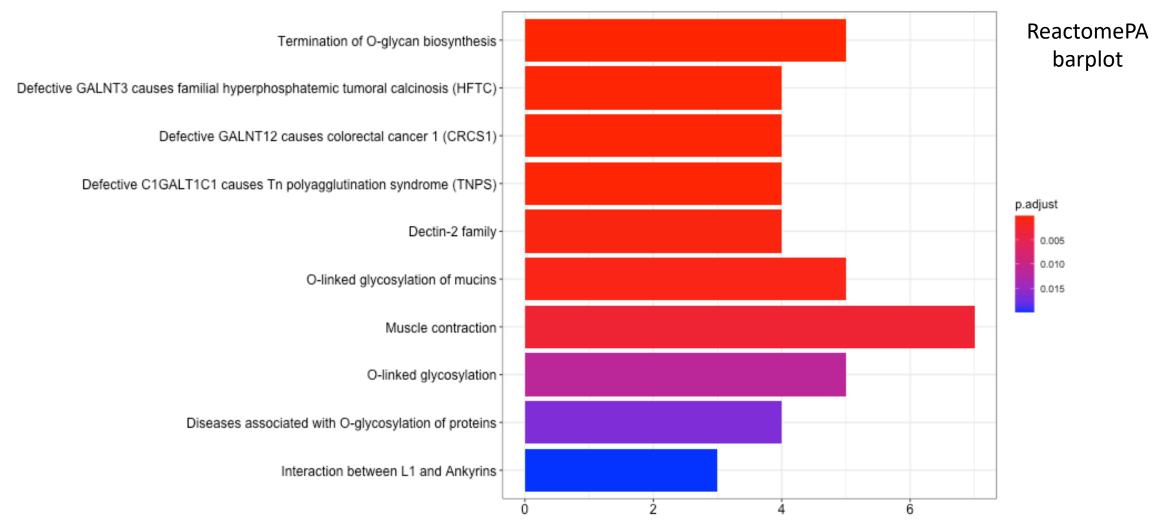
VARIANT ANALYSIS

(VISUALIZATION)

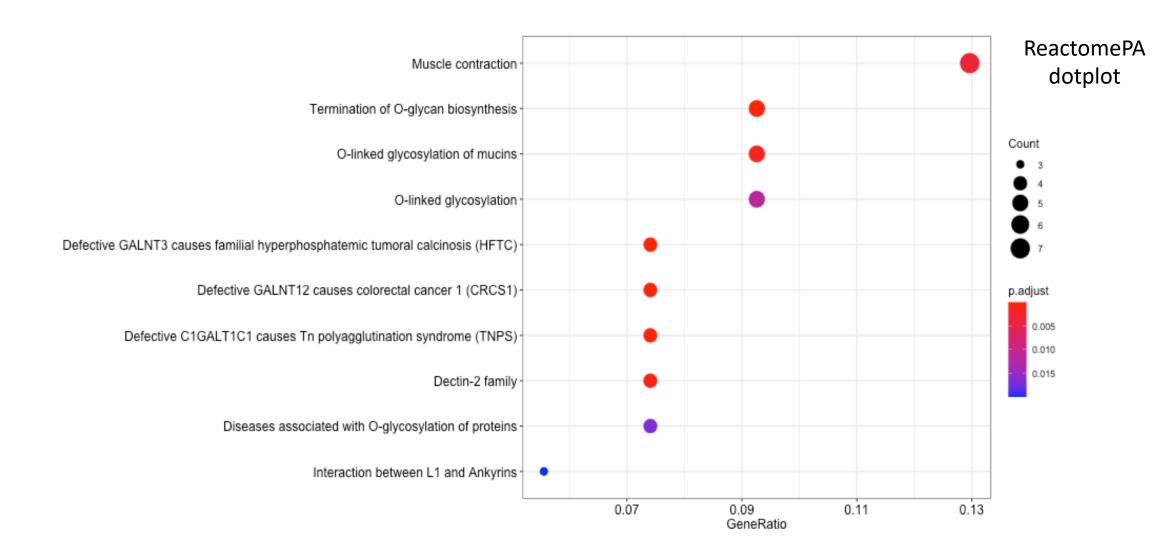
Visualizations Using R Bioconductor Packages







Number of genes in sample and pathway



ReactomePA emapplot

O-linked glycosylation of mucins

Defective C1GALT1C1 causes Tn polyagglutination syndrome (TNPS)

Defective GALNT12 causes colorectal cancer 1 (GRCS1)

Dectin-2 family

O-linked glycosylation

Diseases associated with O-glycosylation of proteins

Defective GALNT3 causes familial hyperphosphatemic tumoral calcinosis (HFTC)

Termination of O-glycan biosynthesis

