

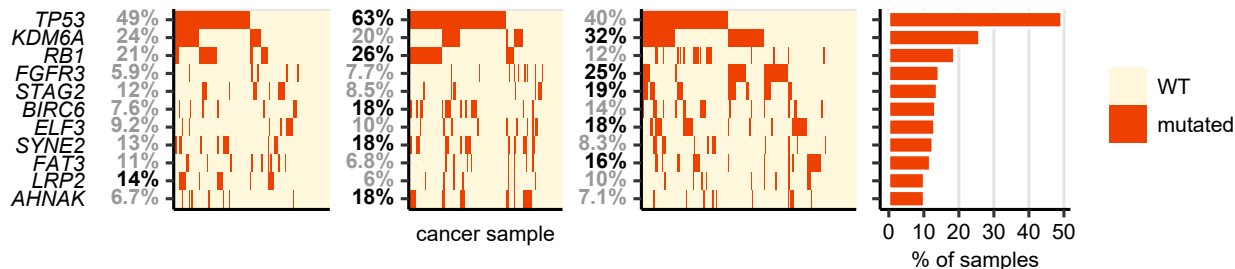
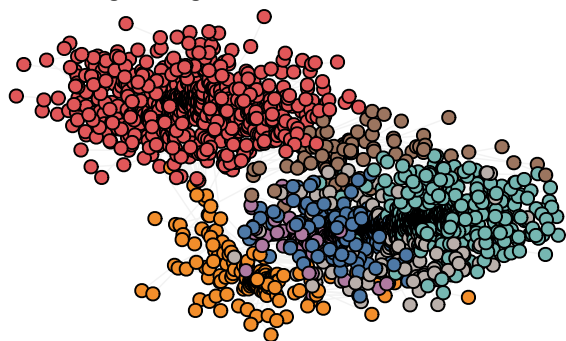
**A****TCGA BLCA, significant mutations**

#1: n = 119

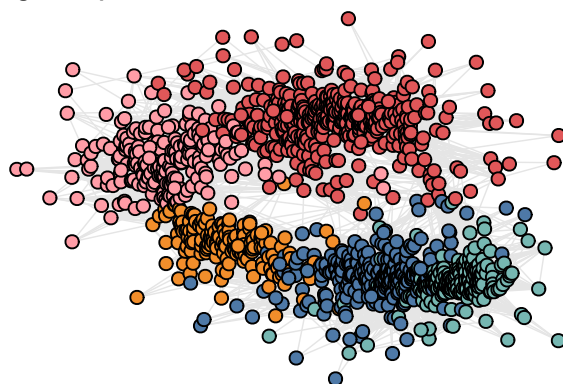
#2: n = 117

#3: n = 169

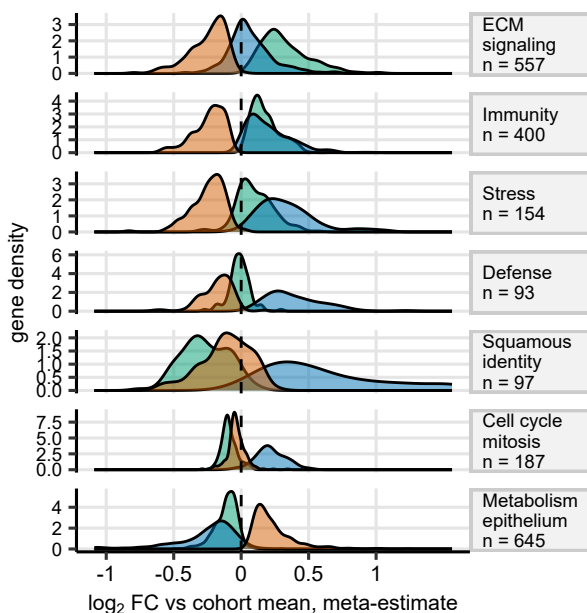
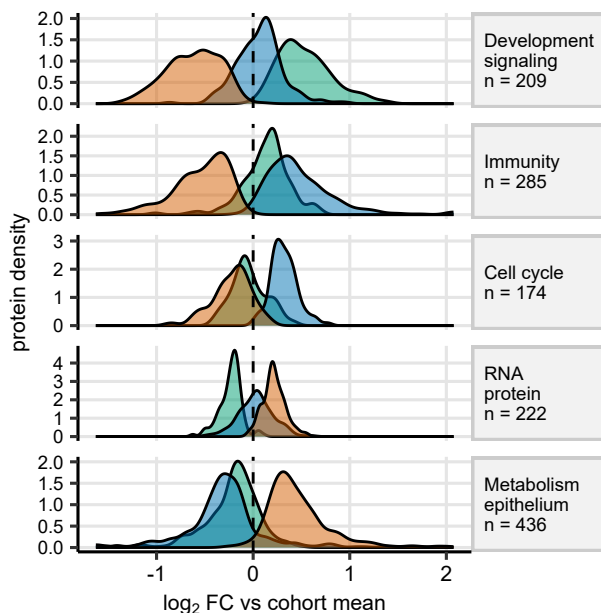
cohort: n = 405

**B****Common regulated genes**

- Immunity
- ECM, signaling
- Stress
- Cell cycle, mitosis
- Metabolism, epithelium
- Squamous identity
- Defense

**C****Regulated proteins, Groeneveld 2024**

- RNA, protein
- Development, signaling
- Metabolism, epithelium
- Cell cycle
- Immunity

**Gene communities, differential expression****Protein communities, differential expression**

#1 #2 #3