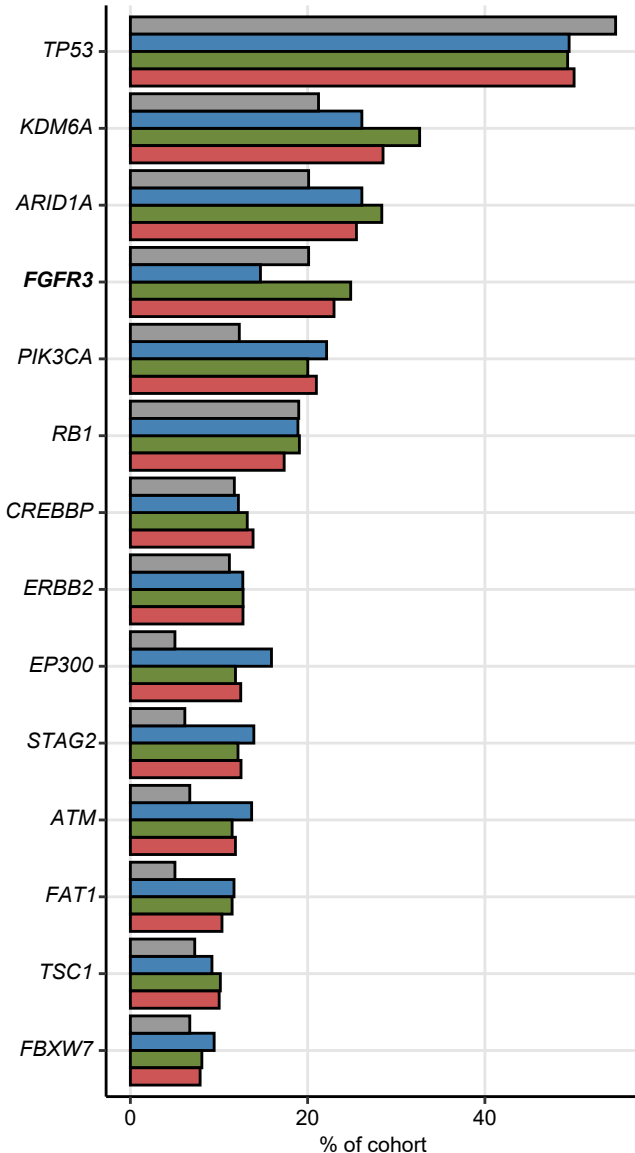
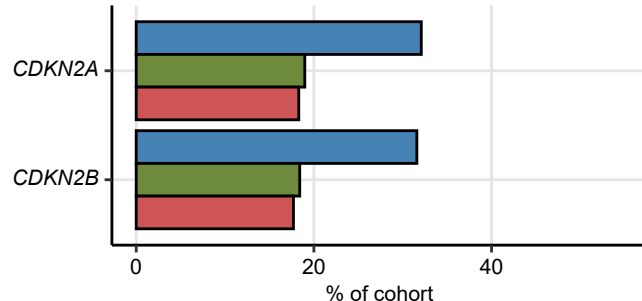


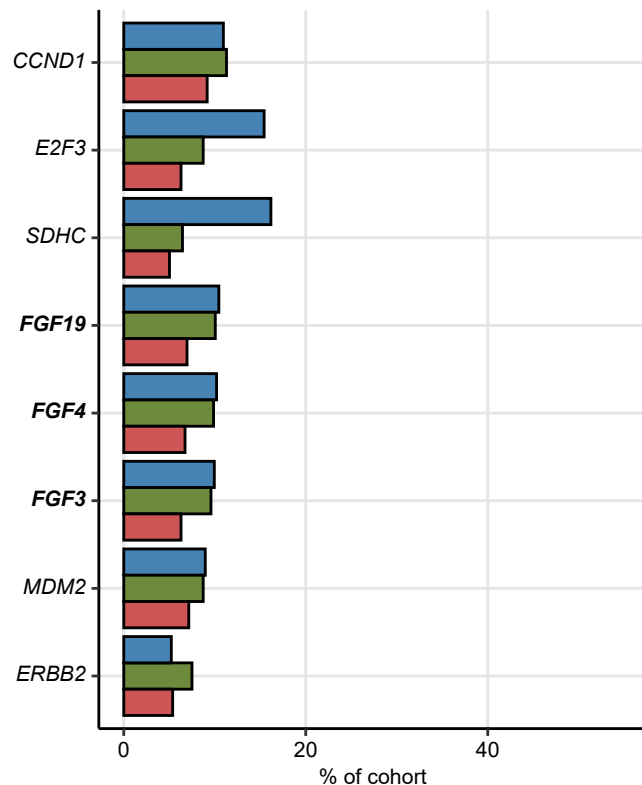
Somatic mutations



Gene deletion



Gene amplification



Cohort ■ GENIE BLCA: n = 3164 ■ MSK IMPACT: n = 1054 ■ TCGA BLCA: n = 402 ■ IMvigor: n = 179