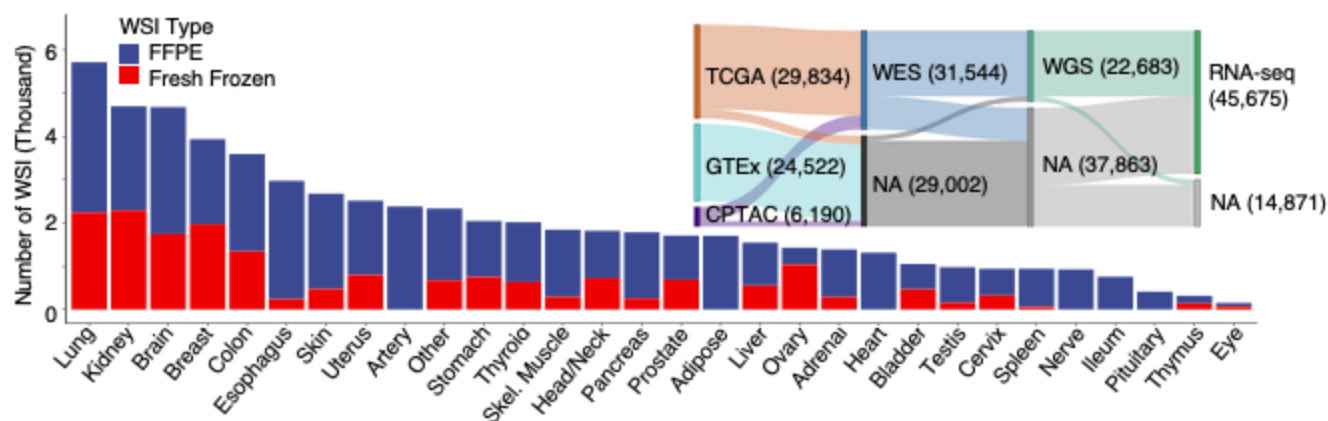
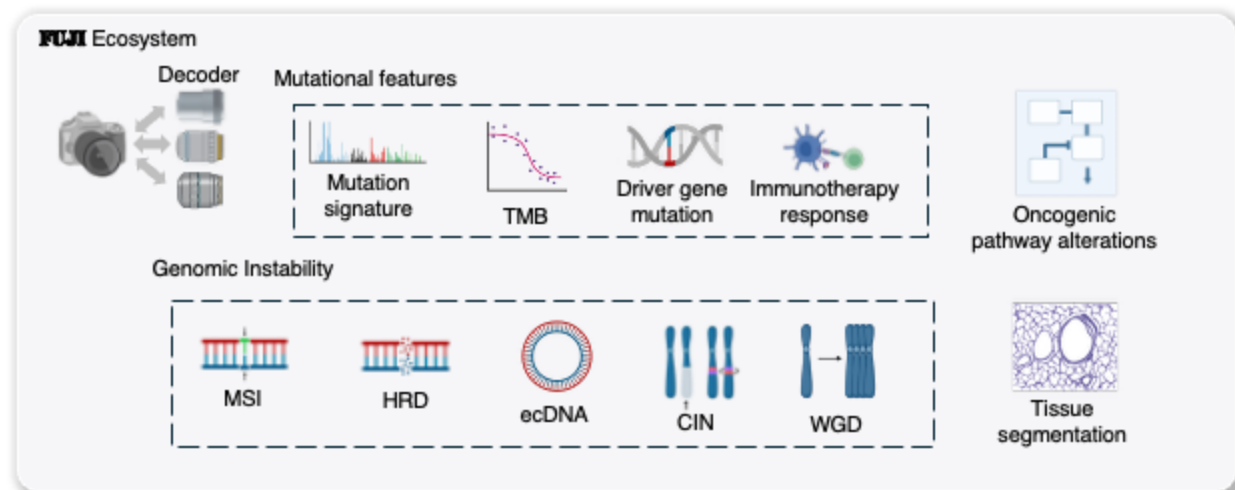
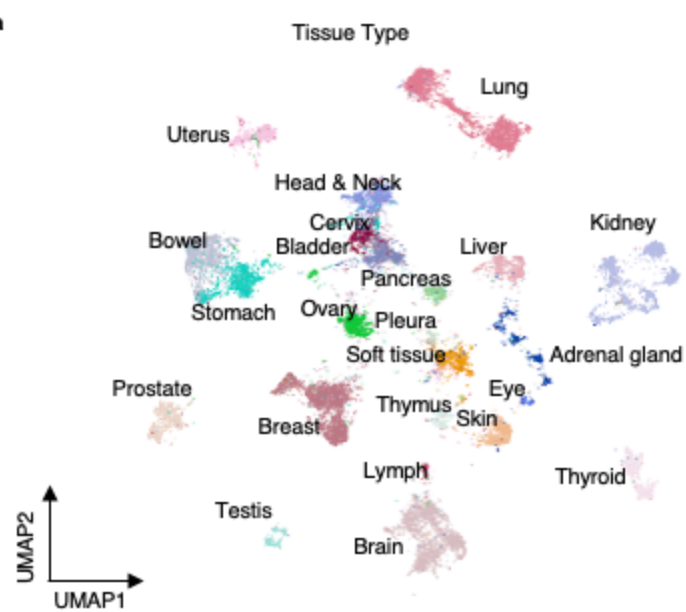
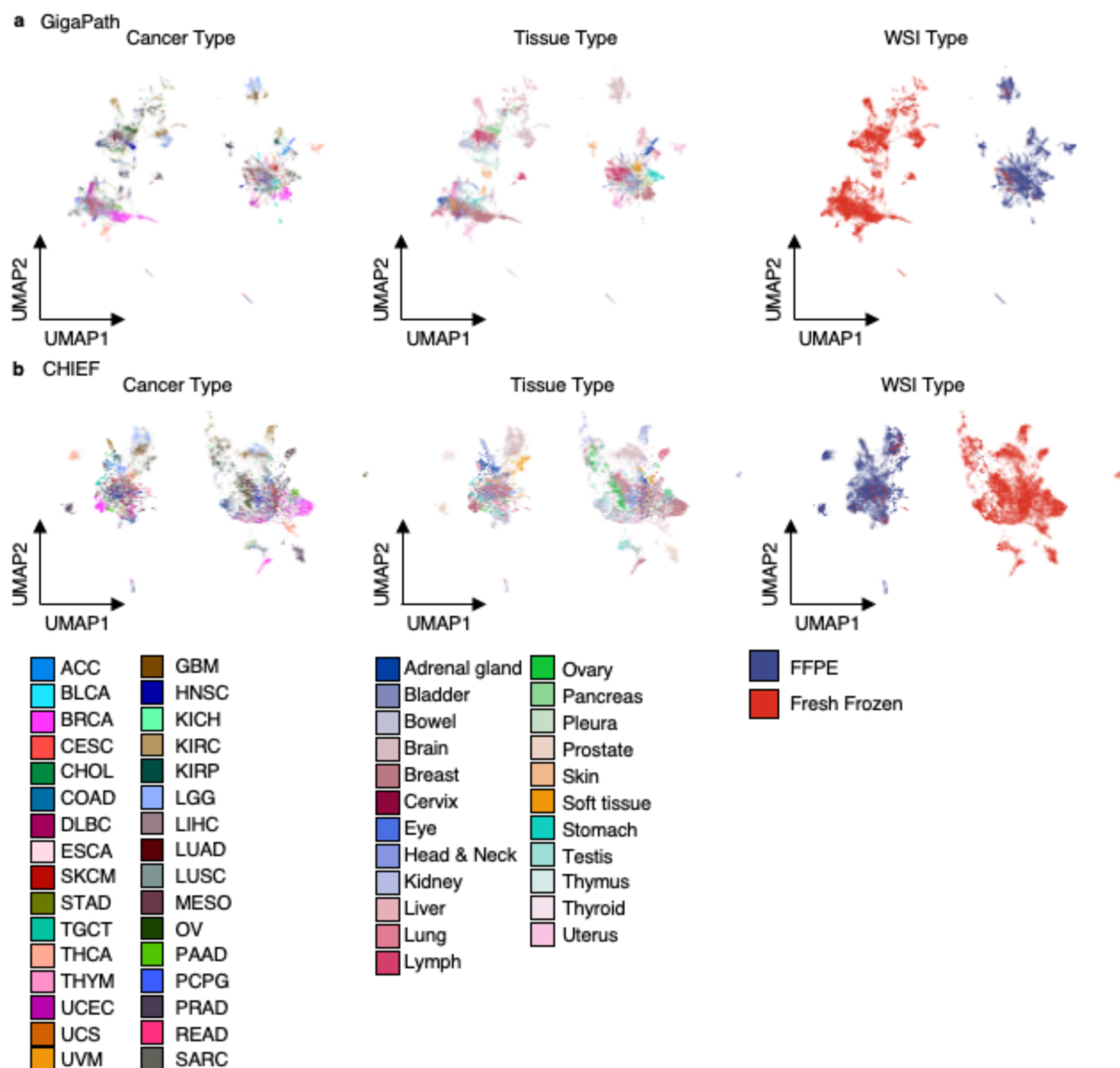
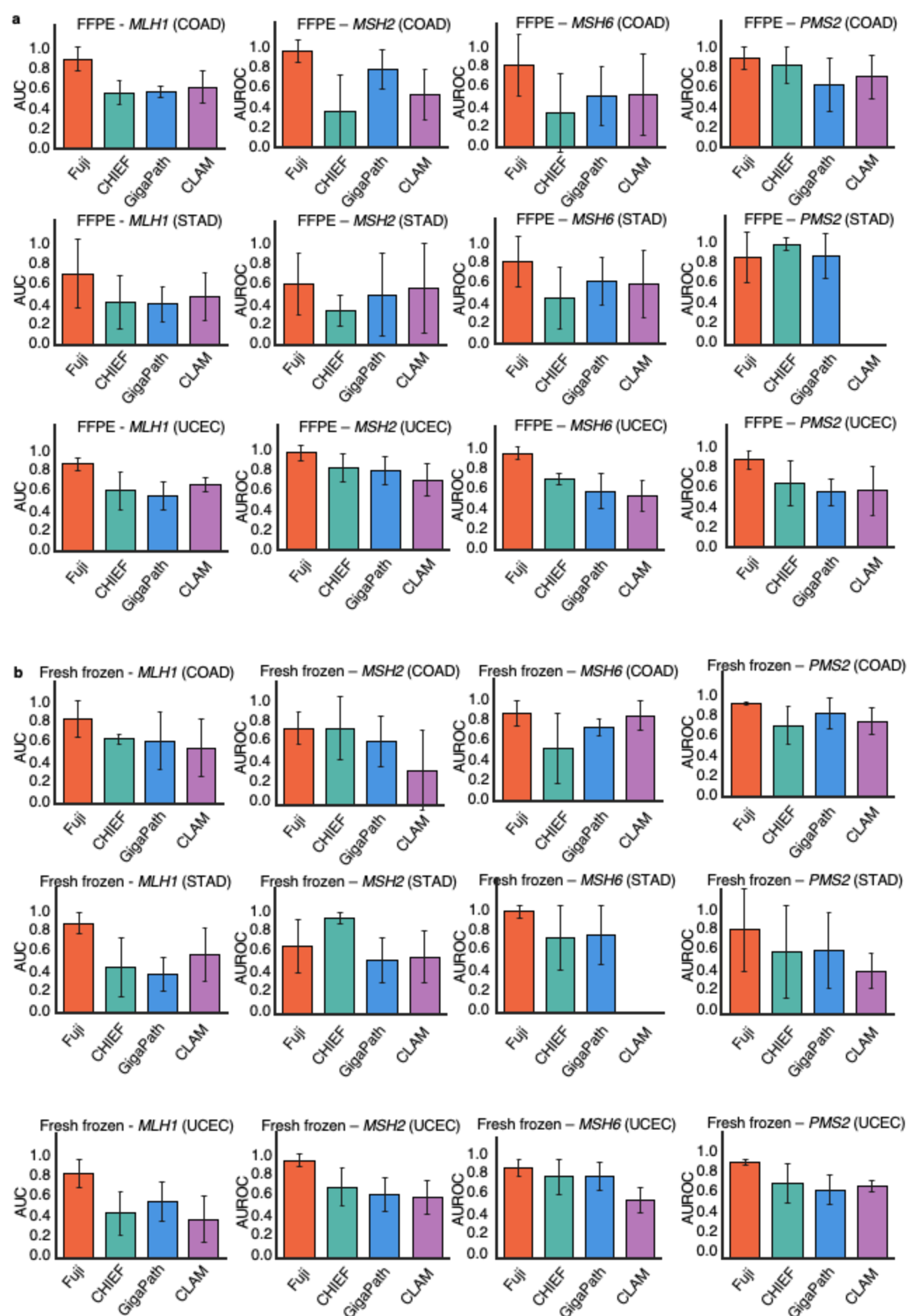


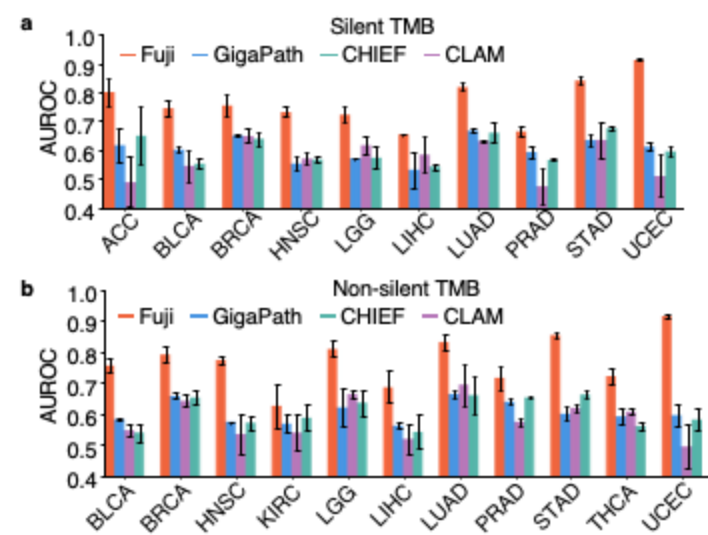
a**b**

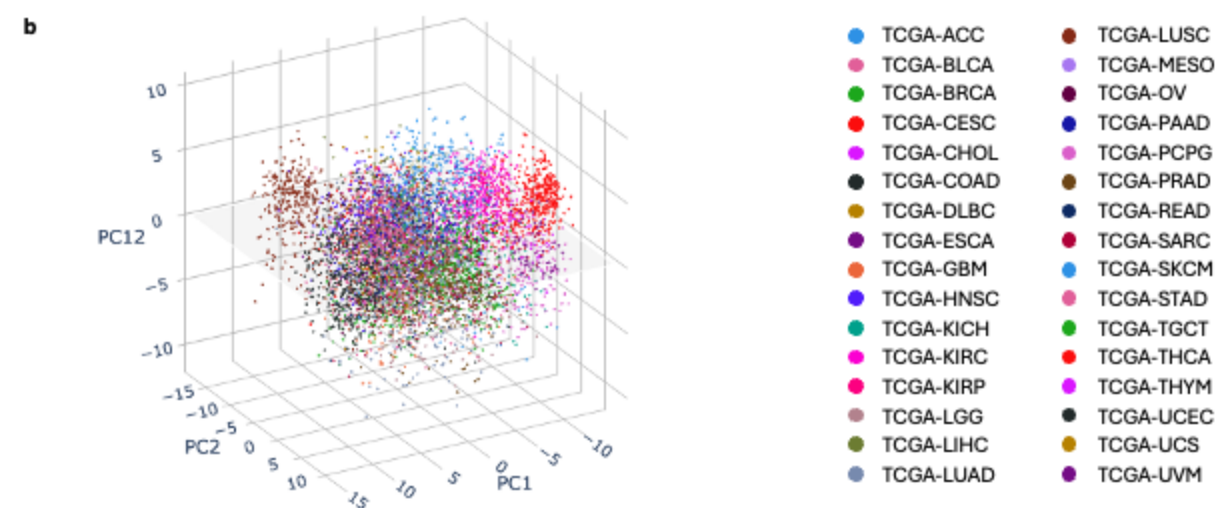
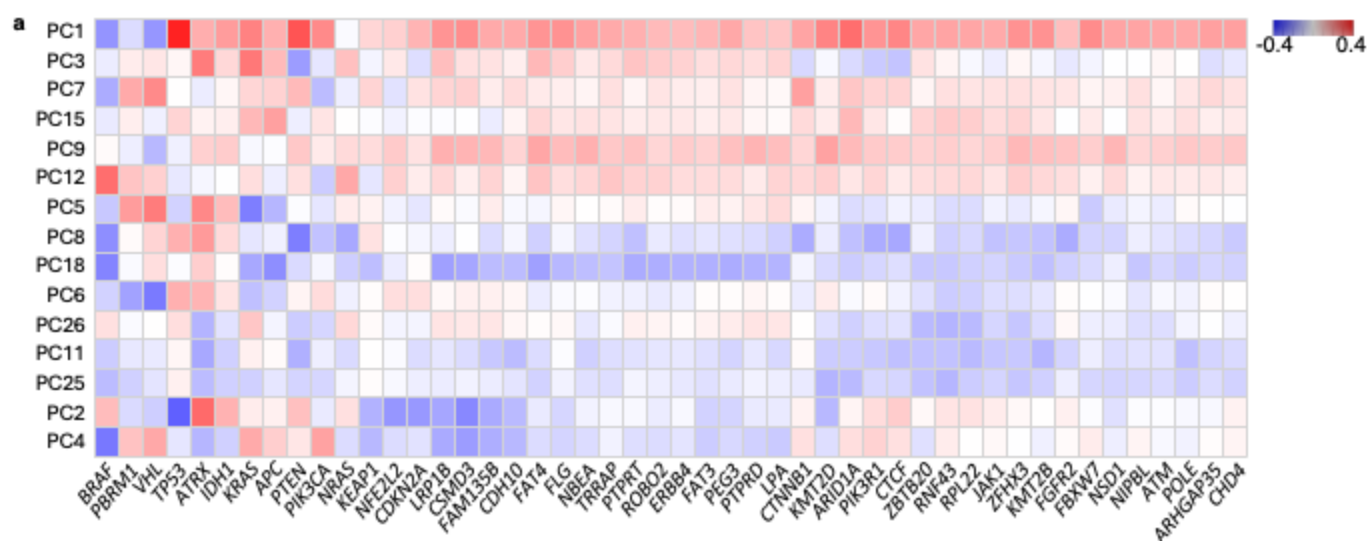
a



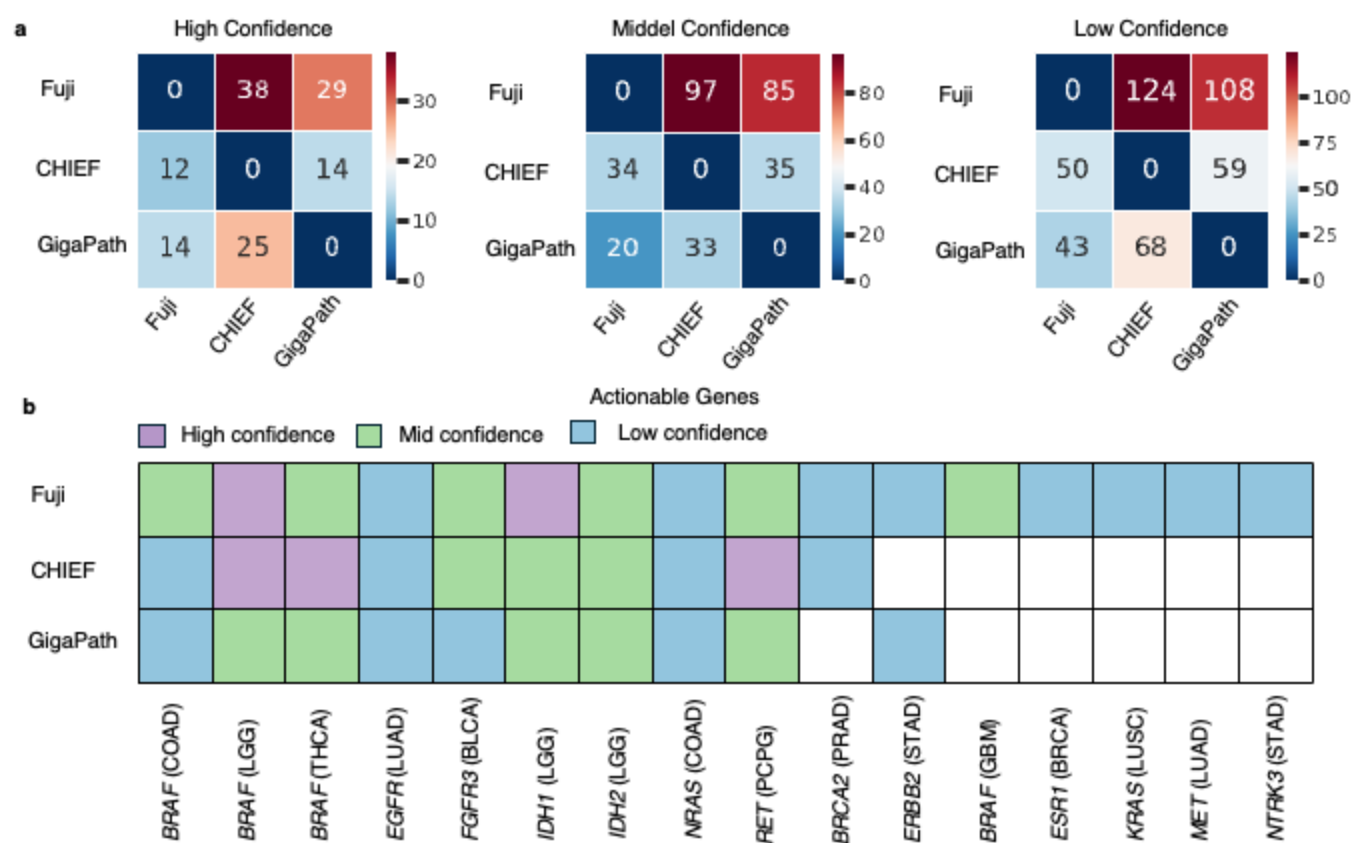








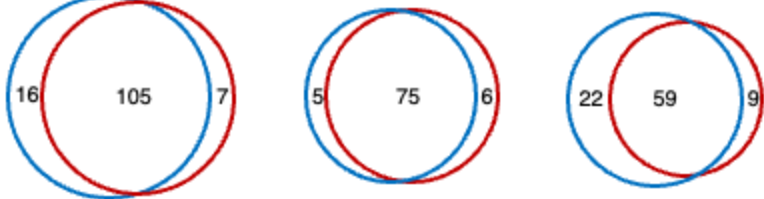
Extended Data Fig. 6



Extended Data Fig. 7

a

SBS2/13 (BLCA) F1 = 0.90 SBS18 (COAD) F1 = 0.93 SBS7 (SKCM) F1 = 0.79



SBS4 (LUSC) F1 = 0.97 SBS4 (LUAD) F1 = 0.81

