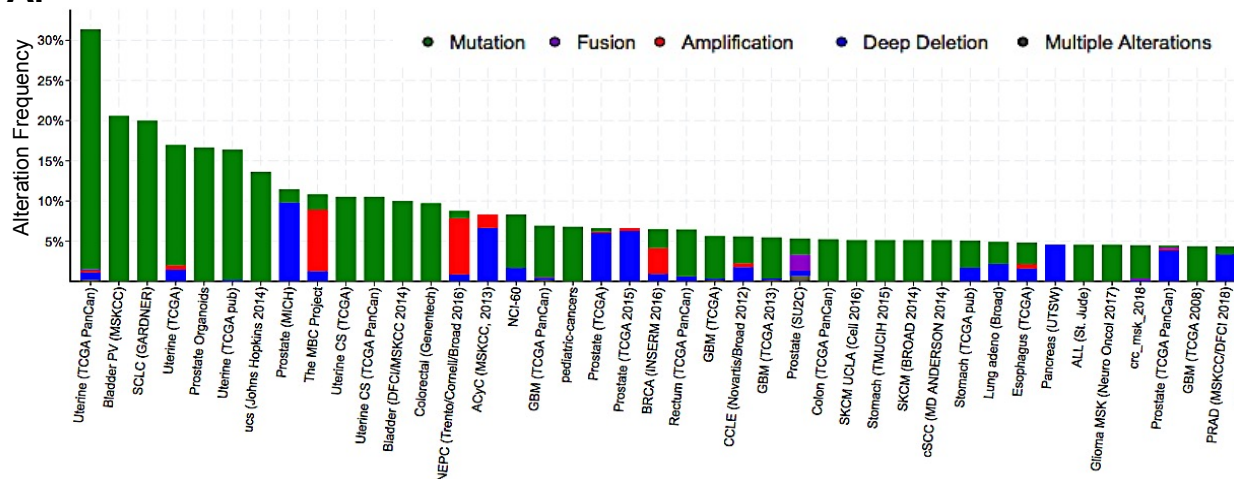
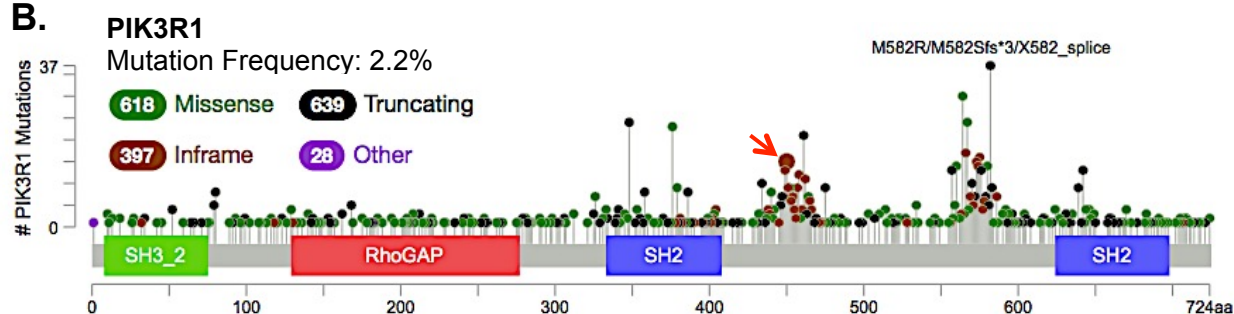


A.



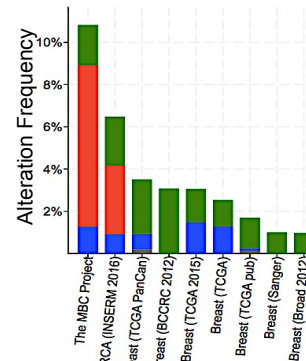
B.



C.

Case Number	Cancer Type	Protein Change	Allele Freq	Mutation in sample
TCGA-CS-5394-01	Anaplastic Astrocytoma	E451_Y452del	0.44	20
TCGA-AG-3726-01	Rectal Adenocarcinoma	E451_Y452del	0.49	143
TCGA-A5-A0GQ-01	Uterine Endometrioid Carcinoma	E451_Y452del	0.14	57
TCGA-B5-A11E-01	Uterine Endometrioid Carcinoma	E451_Y452del	0.26	9047
TCGA-CS-5394-01	Diffuse Glioma	E451_Y452del	0.43	19
P-0011284-T01-IM5	Esophageal Adenocarcinoma	E451_Y452del	0.14	7
P-0001680-T02-IM3	Lung Squamous Cell Carcinoma	E451_Y452del	—	11
P-0001680-T01-IM3	Lung Squamous Cell Carcinoma	E451_Y452del	—	8
P-0002022-T01-IM3	Glioblastoma Multiforme	E451_Y452del	—	6
P-0003600-T01-IM5	Glioblastoma Multiforme	E451_Y452del	—	3
SJHGG024-R	B-Lymphoblastic Leukemia	E451_Y452del	—	25

D.



E. PIK3R1 Mutation Frequency: 1.8%

