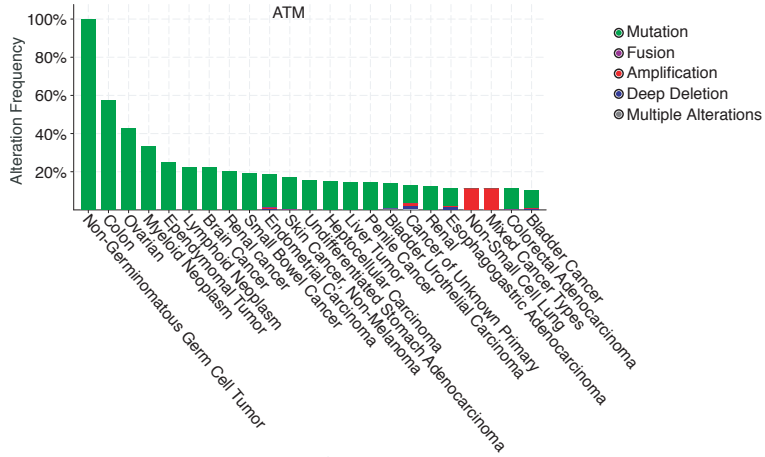
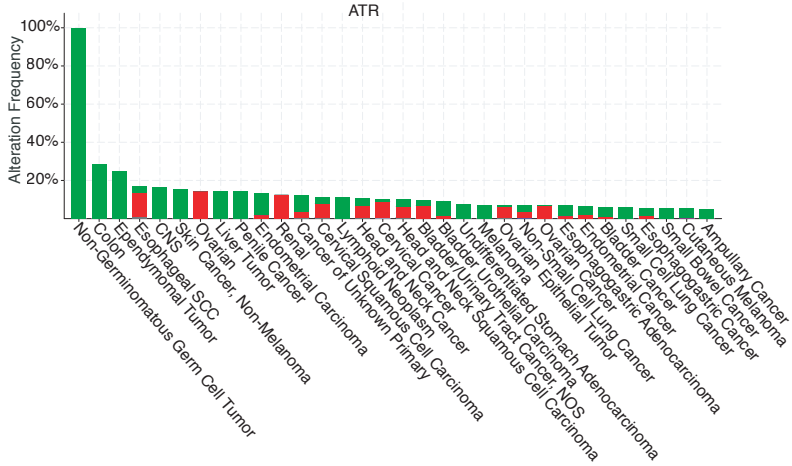
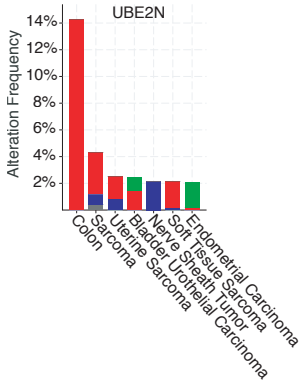
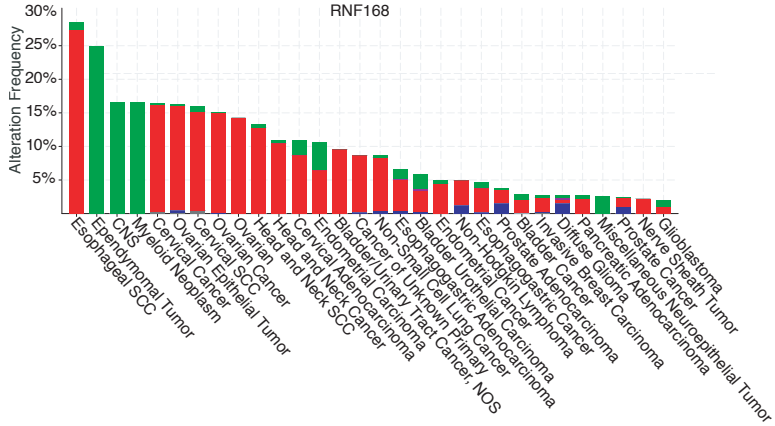
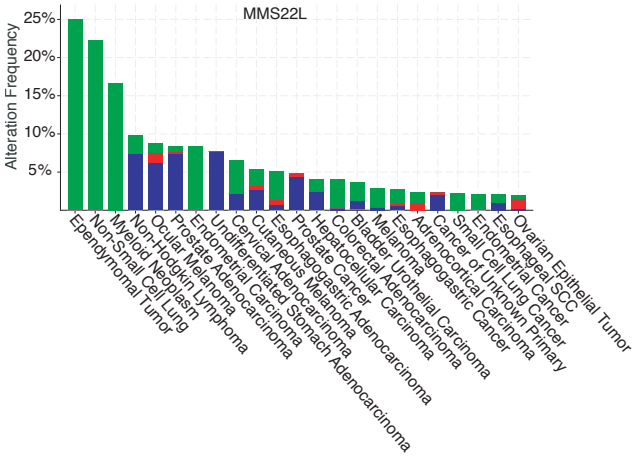
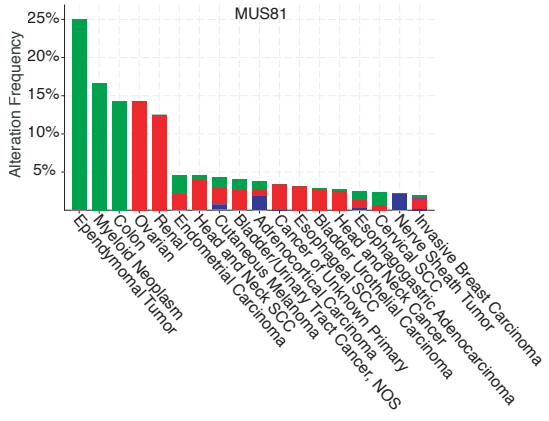

ATM
Alteration Frequency
100%
80%
60%
40%
20%
Mutation
Fusion
Amplification
Deep Deletion
Multiple Alterations
Non-Germinomatous Germ Cell Tumor
Colon
Ovarian
Myeloid Neoplasm
Ependymomal Tumor
Lymphoid Neoplasm
Brain Cancer
Renal cancer
Small Bowel Cancer
Endometrial Carcinoma
Skin Cancer, Non-Melanoma
Undifferentiated Stomach Adenocarcinoma
Hepatocellular Carcinoma
Liver Tumor
Penile Cancer
Bladder Cancer
Cancer of Unknown Primary
Renal
Urothelial Carcinoma
Esophagogastric Adenocarcinoma
Non-Small Cell Lung
Mixed Cancer Types
Colorectal Adenocarcinoma
Bladder Cancer


ATR
Alteration Frequency
100%
80%
60%
40%
20%
Non-Germinomatous Germ Cell Tumor
Colon
Ependymomal Tumor
Esophageal SCC
CNS
Skin Cancer, Non-Melanoma
Ovarian
Liver Tumor
Penile Cancer
Endometrial Carcinoma
Renal
Cancer of Unknown Primary
Cervical Squamous Cell Carcinoma
Lymphoid Neoplasm
Head and Neck Cancer
Cervical Cancer
Bladder Urinary Tract Cancer, NOS
Bladder Urothelial Carcinoma
Undifferentiated Stomach Adenocarcinoma
Melanoma
Ovarian Epithelial Tumor
Non-Small Cell Lung Cancer
Ovarian Cancer
Esophagogastric Adenocarcinoma
Endometrial Cancer
Bladder Cancer
Small Cell Lung Cancer
Esophagogastric Cancer
Small Bowel Cancer
Cutaneous Melanoma
Ampullary Cancer


UBE2N
Alteration Frequency
14%
12%
10%
8%
6%
4%
2%
Colon
Sarcoma
Uterine Sarcoma
Bladder Urothelial Carcinoma
Nerve Sheath Tumor
Soft Tissue Sarcoma
Endometrial Carcinoma


RNF168
Alteration Frequency
30%
25%
20%
15%
10%
5%
Esophageal SCC
Ependymomal Tumor
CNS
Myeloid Neoplasm
Cervical Cancer
Ovarian Epithelial Tumor
Cervical SCC
Ovarian SCC
Ovarian Cancer
Head and Neck SCC
Head and Neck Cancer
Cervical Adenocarcinoma
Endometrial Carcinoma
Bladder Urinary Tract Cancer, NOS
Cancer of Unknown Primary
Non-Small Cell Lung Cancer
Esophagogastric Adenocarcinoma
Bladder Urothelial Carcinoma
Endometrial Cancer
Non-Hodgkin Lymphoma
Esophagogastric Cancer
Prostate Adenocarcinoma
Bladder Cancer
Invasive Breast Carcinoma
Diffuse Glioma
Pancreatic Adenocarcinoma
Miscellaneous Neuroepithelial Tumor
Prostate Cancer
Nerve Sheath Tumor
Glioblastoma


MMS22L
Alteration Frequency
25%
20%
15%
10%
5%
Ependymomal Tumor
Non-Small Cell Lung
Myeloid Neoplasm
Non-Hodgkin Lymphoma
Ocular Melanoma
Prostate Adenocarcinoma
Endometrial Carcinoma
Undifferentiated Stomach Adenocarcinoma
Cervical Adenocarcinoma
Cutaneous Melanoma
Esophagogastric Adenocarcinoma
Prostate Cancer
Hepatocellular Carcinoma
Colorectal Adenocarcinoma
Bladder Urothelial Carcinoma
Melanoma
Esophagogastric Cancer
Adrenocortical Carcinoma
Cancer of Unknown Primary
Small Cell Lung Cancer
Endometrial Cancer
Esophageal SCC
Ovarian Epithelial Tumor


MUS81
Alteration Frequency
25%
20%
15%
10%
5%
Ependymomal Tumor
Myeloid Neoplasm
Colon
Ovarian
Renal
Endometrial Carcinoma
Head and Neck SCC
Cutaneous Melanoma
Bladder/Urinary Tract Cancer, NOS
Adrenocortical Carcinoma
Cancer of Unknown Primary
Esophageal SCC
Bladder Urothelial Carcinoma
Head and Neck Cancer
Esophagogastric Adenocarcinoma
Cervical SCC
Nerve Sheath Tumor
Invasive Breast Carcinoma