

**Additional file 3: Table S3** Number of samples available in different TCGA cancer types.

<b>Abbreviation</b>	<b>Tumor_Type</b>	<b>Mutation</b>	<b>RNA</b>	<b>RPPA</b>	<b>Mutation&amp;RNA</b>	<b>Mutation&amp;RPPA</b>
<b>BRCA</b>	Breast Invasive Carcinoma	772	817	748	752	637
<b>KIRC</b>	Kidney Renal Clear Cell Carcinoma	417	470	455	391	386
<b>THCA</b>	Thyroid Carcinoma	323	426	NA	303	NA
<b>OV</b>	Ovarian Serous Cystadenocarcinoma	316	263	413	163	210
<b>HNSC</b>	Head & Neck Squamous Cell Carcinoma	306	303	213	299	208
<b>GBM</b>	Glioblastoma Multiforme	291	161	216	150	146
<b>SKCM</b>	Skin Cutaneous Melanoma	253	NA	NA	NA	NA
<b>UCEC</b>	Uterine Corpus Endometrioid Carcinoma	248	333	404	239	203
<b>LUAD</b>	Lung Adenocarcinoma	230	353	238	169	135
<b>COAD-READ</b>	Colon & Rectum Adenocarcinoma	224	263	466	217	157
<b>LAML</b>	Acute Myeloid Leukemia	194	173	NA	169	NA
<b>LUSC</b>	Lung Squamous Cell Carcinoma	178	220	196	177	112
<b>LGG</b>	Brain Lower Grade Glioma	170	205	NA	166	NA
<b>STAD</b>	Stomach Adenocarcinoma	151	58	NA	58	NA
<b>KIRP</b>	Kidney Renal Papillary Cell Carcinoma	100	78	NA	77	NA
<b>BLCA</b>	Bladder Urothelial Carcinoma	99	96	128	95	92
<b>PRAD</b>	Prostate Adenocarcinoma	83	142	NA	72	NA
<b>CESC</b>	Cervical Squamous Cell Carcinoma	39	97	NA	38	NA
<b>PAAD</b>	Pancreatic Adenocarcinoma	34	41	NA	19	NA

Note: The number of samples with somatic mutation data, RNA expression data, RPPA data, or both data types (Mutation&RNA and Mutation&RPPA) in each TCGA cancer type.