

Table A1. Summary of MSI Landscape Analysis

Cancer Type	No. of Cases	MSI-H	% MSI-H
Adrenocortical carcinoma (TCGA-ACC)	92	4	4.35
Bladder carcinoma (TCGA-BLCA)	412	2	0.49
Breast carcinoma (TCGA-BRCA)	1,044	16	1.53
Cervical squamous cell carcinoma and endocervical adenocarcinoma (TCGA-CESC)	305	8	2.62
Cholangiocarcinoma (TCGA-CHOL_CHOL_10.1038_ng.2273, CHOL_10.1038_ng.2806)	74	1	1.35
Chronic lymphocytic leukemia (CLL_ph000922.v1.p1)	338	1	0.30
Colon adenocarcinoma (TCGA-COAD)	431	85	19.72
Cutaneous T-cell lymphoma (CTCL_10.1038_ng.3356)	33	0	0.00
Lymphoid neoplasm diffuse large B-cell lymphoma (TCGA-DLBC)	48	0	0.00
Esophageal carcinoma (TCGA-ESCA)	184	3	1.63
Glioblastoma multiforme (TCGA-GBM)	396	1	0.25
Head and neck squamous cell carcinoma (TCGA-HNSC)	510	4	0.78
Kidney chromophobe (TCGA-KICH)	66	0	0.00
Kidney renal clear cell carcinoma (TCGA-KIRC)	339	5	1.47
Kidney renal papillary cell carcinoma (TCGA-KIRP)	288	0	0.00
Acute myeloid leukemia (TCGA-LAML)	146	0	0.00
Lower-grade glioma (TCGA-LGG)	513	2	0.39
Liver hepatocellular carcinoma (TCGA-LIHC)	375	3	0.80
Lung adenocarcinoma (TCGA-LUAD)	569	3	0.53
Lung squamous cell carcinoma (TCGA-LUSC)	496	3	0.60
Mesothelioma (TCGA-MESO)	83	2	2.41
Nasopharyngeal carcinoma (NPC_10.1073_pnas.1607606113)	50	0	0.00
Ovarian serous cystadenocarcinoma (TCGA-OV)	437	6	1.37
Pancreatic adenocarcinoma (TCGA-PAD)	183	0	0.00
Pheochromocytoma and paraganglioma (TCGA-PCPG)	179	0	0.00
Prostate adenocarcinoma (TCGA-PRAD)	498	3	0.60
Rectal adenocarcinoma (TCGA-READ)	157	9	5.73
Sarcoma (TCGA-SARC)	255	2	0.78
Skin cutaneous melanoma (TCGA-SKCM)	470	3	0.64
Stomach adenocarcinoma (TCGA-STAD)	440	84	19.09
Testicular germ cell tumor (TCGA-TGCT)	150	0	0.00
Thyroid carcinoma (TCGA-THCA)	496	0	0.00
Thymoma (TCGA-THYM)	123	1	0.81
Uterine corpus endometrial carcinoma (TCGA-UCEC)	542	170	31.37
Uterine carcinosarcoma (TCGA-UCS)	57	2	3.51
Uveal melanoma (TCGA-UVM)	80	0	0.00
Pediatric acute myeloid leukemia (TARGET-AML)	19	0	0.00
Pediatric neuroblastoma (TARGET-NBL)	220	1	0.45
Pediatric high-risk Wilms tumor (TARGET-WT)	41	1	2.44
Total	11,139	425	3.82

NOTE. Listed for each cancer type are the number of cases analyzed and those called MSI-H by MANTIS. Note that for CLL, these 338 cases were from 279 patients, many of whom had multiple tumor samples.
Abbreviations: MSI, microsatellite instability; MSI-H, microsatellite instability high; TARGET, Therapeutically Applicable Research to Generate Effective Treatments; TCGA, The Cancer Genome Atlas.

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