

Table S3. Summary of TCGA patients included in the analysis

Project sample id	Disease	Number of patients (pre- filtering)	Number of patients (dual- scoring system defined MES and EPI)
ACC	Adrenocortical carcinoma	79	8
BLCA	Bladder Urothelial Carcinoma	408	54
BRCA	Breast invasive carcinoma	1095	149
CESC	Cervical squamous cell carcinoma and endocervical adenocarcinoma	304	43
CHOL	Cholangiocarcinoma	36	3
COAD	Colon adenocarcinoma	285	47
DLBC	Lymphoid Neoplasm Diffuse Large B- cell Lymphoma	48	3
ESCA	Esophageal carcinoma	184	25
GBM	Glioblastoma multiforme	156	17
HNSC	Head and Neck squamous cell carcinoma	520	68
KICH	Kidney Chromophobe	66	7
KIRC	Kidney renal clear cell carcinoma	533	56
KIRP	Kidney renal papillary cell carcinoma	290	35
LGG	Brain Lower Grade Glioma	516	52
LIHC	Liver hepatocellular carcinoma	371	27
LUAD	Lung adenocarcinoma	515	78
LUSC	Lung squamous cell carcinoma	502	70
MESO	Mesothelioma	87	8
OV	Ovarian serous cystadenocarcinoma	304	40
PAAD	Pancreatic adenocarcinoma	178	24
PCPG	Pheochromocytoma and Paraganglioma	179	19
PRAD	Prostate adenocarcinoma	497	70
READ	Rectum adenocarcinoma	94	16
SARC	Sarcoma	259	23
SKCM	Skin Cutaneous Melanoma	103	8
STAD	Stomach adenocarcinoma	415	60
TGCT	Testicular Germ Cell Tumors	150	8
THCA	Thyroid carcinoma	505	37
THYM	Thymoma	120	6
UCEC	Uterine Corpus Endometrial Carcinoma	176	22
UCS	Uterine Carcinosarcoma	57	4
UVM	Uveal Melanoma	80	9