**Supplementary Table 20.** Clinicopathologic and genomic characteristics of 171 cases of cancers other than NSCLC harboring oncogenic / likely oncogenic *MET* TKD mutations in cohort #2.

| Characteristic | Total (N=171) |
|---|---|
| **Age** | |
| Median (range) | 63 (35-89+) |
| **Sex** | |
| Female | 50 (29.0%) |
| Male | 121 (71.0%) |
| **Ancestry (%)** | |
| EUR | 125 (73.0%) |
| AFR | 29 (17.0%) |
| AMR | 10 (5.8%) |
| EAS | 5 (2.9%) |
| SAS | 2 (1.2%) |
| **Tumor type (%)** | |
| Renal* | 57 (33.0%) |
| CUP | 21 (12.0%) |
| Melanoma | 18 (11.0%) |
| Colorectal | 9 (5.3%) |
| Pancreatic | 8 (4.7%) |
| Bladder | 7 (4.1%) |
| Uterine (Endometrial) | 6 (3.5%) |
| Stomach | 5 (2.9%) |
| Esophagus | 5 (2.9%) |
| Ovarian | 5 (2.9%) |
| Other (<5 each)** | 30 (18.0%) |
| **TMB** | |
| Median (range) | 5.0 (0-734) |
| **TMB value** | |
| <10 mut/Mb | 111 (65.0%) |
| 10-20 mut/Mb | 14 (12.6%) |
| >20 mut/Mb | 46 (22.4%) |
| **MSI genotype** | |
| Deficient | 12 (7.6%) |
| Proficient | 146 (92.4%) |
| NA | 13 |
| **Concurrent *MET* amplification** | |
| Yes | 7 (4.1%) |
| No | 164 (95.9%) |

Abbreviations: CUP, cancer of unknown primary; MSI: microsatellite instability; TMB, tumor mutational burden; NA, not available.
For Ancestry: AFR, african continental ancestry group; EAS, east Asian continental ancestry group; EUR, european continental ancestry group; SAS, south asian continental ancestry group, AMR, admixed american.
No tumors showed concurrent RET fusion, NTRK fusion detected in 1 case (0.6%).
*Among 57 renal cancer cases, 33 (58%) are papillary renal cell carcinoma.

**Other: Head and neck (N=4), Prostate (N=4), Small intestine (N=3), Small cell (NOS) (N=3), Breast (N=3), Lung underspecified (N=2), Skin (other than melanoma) (N=1), Uterine (other than endometrial) (N=1), Anus (N=1), Glioma (N=1), Salivary gland (N=1), Endocrine (N=1), Gallbladder (N=1), Cervix (N=1), Neuroendocrine (N=1), Liver (N=1), Adenoid cystic carcinoma (N=1).