**Table S3.** The correlation of the clinical factors and tumour cell proportions with the tumour mutation burden

|  |  |  |  |
| --- | --- | --- | --- |
| **Patient Characteristics** | **TCGA** | **Matthew[5]** | **Rizvi[4]** |
|  | *p*\* | *p*\* | *p*\* |
| Age (>65 vs. ≤65) | 0.0055 | 0.5388 | 0.4319 |
| Sex (Male vs. female) | 0.0442 | 0.3635 | 0.7165 |
| Smoking status (Current vs. Former vs. Never) | - | 0.8809 | 0.8903 |
| Stage (IV vs. III vs. II vs. I) | 0.6426 | - | - |
| Percentage of tumour cells | 0.3629 | - | - |

Note: \**p* value was estimated using spearman rank correlation method