

**Table S9. Correlation between copy number and mRNA expression of METTLs in CPTAC-LUAD tumor samples**

| METTL gene | Pearson Correlation | P - value | FDR (BH) | Spearman Correlation | P - value | FDR (BH) |
|------------|---------------------|-----------|----------|----------------------|-----------|----------|
| METTL1     | 0.798               | 2.80E-25  | 1.81E-23 | 0.541                | 1.25E-09  | 5.13E-09 |
| METTL2A    | 0.680               | 4.05E-16  | 3.88E-15 | 0.699                | 2.93E-17  | 3.28E-16 |
| METTL2B    | 0.791               | 1.29E-24  | 7.10E-23 | 0.734                | 1.11E-19  | 1.65E-18 |
| METTL3     | 0.716               | 2.05E-18  | 2.94E-17 | 0.674                | 9.37E-16  | 8.57E-15 |
| METTL4     | 0.751               | 4.87E-21  | 1.15E-19 | 0.677                | 0.00E+00  | 0.00E+00 |
| METTL5     | 0.525               | 4.72E-09  | 1.60E-08 | 0.485                | 9.24E-08  | 2.91E-07 |
| METTL6     | 0.595               | 9.09E-12  | 4.41E-11 | 0.553                | 4.40E-10  | 1.91E-09 |
| METTL7A    | 0.092               | 3.41E-01  | 4.06E-01 | 0.080                | 4.10E-01  | 4.80E-01 |
| METTL7B    | 0.270               | 4.59E-03  | 7.81E-03 | 0.236                | 1.33E-02  | 2.17E-02 |
| METTL8     | 0.479               | 1.37E-07  | 3.91E-07 | 0.440                | 1.73E-06  | 4.63E-06 |
| METTL9     | 0.547               | 7.76E-10  | 2.88E-09 | 0.580                | 3.90E-11  | 1.95E-10 |
| EEF1AKMT2  | 0.678               | 5.28E-16  | 4.95E-15 | 0.652                | 1.58E-14  | 1.23E-13 |
| NTMT1      | 0.450               | 9.35E-07  | 2.43E-06 | 0.412                | 8.67E-06  | 2.15E-05 |
| METTL11B   | 0.100               | 3.99E-01  | 4.65E-01 | 0.123                | 3.00E-01  | 3.66E-01 |
| CSKMT      | 0.505               | 2.11E-08  | 6.61E-08 | 0.469                | 2.66E-07  | 7.92E-07 |
| EEF1AKNMT  | 0.697               | 3.90E-17  | 4.49E-16 | 0.684                | 0.00E+00  | 0.00E+00 |
| METTL14    | 0.662               | 4.51E-15  | 3.60E-14 | 0.633                | 1.59E-13  | 1.08E-12 |
| METTL15    | 0.583               | 2.96E-11  | 1.34E-10 | 0.591                | 1.28E-11  | 6.83E-11 |
| METTL16    | 0.641               | 5.90E-14  | 3.96E-13 | 0.616                | 0.00E+00  | 0.00E+00 |
| METTL17    | 0.689               | 1.18E-16  | 1.25E-15 | 0.665                | 2.94E-15  | 2.51E-14 |
| METTL18    | 0.416               | 7.01E-06  | 1.67E-05 | 0.405                | 1.28E-05  | 3.12E-05 |
| TRMT44     | 0.596               | 8.13E-12  | 3.96E-11 | 0.561                | 2.26E-10  | 1.02E-09 |
| ETFBKMT    | 0.390               | 2.71E-05  | 6.06E-05 | 0.435                | 2.32E-06  | 6.13E-06 |
| METTL21A   | 0.495               | 4.62E-08  | 1.39E-07 | 0.461                | 4.57E-07  | 1.32E-06 |
| EEF1AKMT3  | 0.626               | 3.39E-13  | 2.00E-12 | 0.342                | 2.77E-04  | 5.71E-04 |
| METTL21C   | 0.299               | 1.60E-03  | 2.91E-03 | 0.356                | 1.62E-04  | 3.43E-04 |
| VCPKMT     | 0.766               | 2.94E-22  | 9.36E-21 | 0.669                | 1.97E-15  | 1.73E-14 |
| METTL22    | 0.567               | 1.27E-10  | 5.23E-10 | 0.564                | 1.68E-10  | 7.71E-10 |
| METTL23    | 0.752               | 4.30E-21  | 1.03E-19 | 0.751                | 4.95E-21  | 8.28E-20 |
| METTL24    | 0.319               | 7.10E-04  | 1.35E-03 | 0.302                | 1.39E-03  | 2.63E-03 |
| METTL25    | 0.519               | 7.64E-09  | 2.52E-08 | 0.450                | 8.96E-07  | 2.48E-06 |
| RRNAD1     | 0.635               | 1.21E-13  | 7.75E-13 | 0.570                | 0.00E+00  | 0.00E+00 |
| METTL26    | 0.488               | 7.45E-08  | 2.19E-07 | 0.486                | 8.17E-08  | 2.59E-07 |
| METTL27    | 0.402               | 1.46E-05  | 3.36E-05 | 0.501                | 2.99E-08  | 1.01E-07 |