The correlation between RPL4P4 and clinicpathologic characteristic in CCGA-glioma dataset.

| Characteristic                         | Low expression of RPL4P4 | High expression of RPL4P4 | p    |
|----------------------------------------|--------------------------|---------------------------|------|
| n                                      | 481                      | 498                       | < 0.001 |
| Grade, n (%)                           |                          |                           |      |
| G2                                     | 111 (11.4%)              | 164 (16.8%)               |      |
| G3                                     | 133 (13.6%)              | 192 (19.7%)               |      |
| G4                                     | 237 (24.3%)              | 138 (14.2%)               |      |
| IDH status, n (%)                      |                          |                           | < 0.001 |
| Mut                                    | 163 (17.5%)              | 344 (37%)                 |      |
| WT                                     | 296 (31.8%)              | 127 (13.7%)               |      |
| 1p/19q codeletion, n (%)               |                          |                           | < 0.001 |
| Codel                                  | 42 (4.6%)                | 161 (17.8%)               |      |
| Non-codel                              | 373 (41.2%)              | 329 (36.4%)               |      |
| PRS_type, n (%)                        |                          |                           | 0.362 |
| Primary                                | 318 (32.6%)              | 312 (32%)                 |      |
| Recurrent                              | 152 (15.6%)              | 164 (16.8%)               |      |
| Secondary                              | 11 (1.1%)                | 18 (1.8%)                 |      |
| MGMTp_methylation_status, n (%)        |                          |                           | 0.002 |
| methylated                             | 200 (24.3%)              | 259 (31.5%)               |      |
| un-methylated                          | 199 (24.2%)              | 164 (20%)                 |      |
| Age, median (IQR)                      | 45 (37.75, 54.25)        | 41 (34, 49)               | < 0.001 |
| Gender, n (%)                          |                          |                           | 0.027 |
| Female                                 | 180 (18.4%)              | 221 (22.6%)               |      |
| Male                                   | 301 (30.7%)              | 276 (28.2%)               |      |
| Radio_status (treated=1;un-treated=0), n (%) |                      |                           | 0.080 |
| 0                                      | 106 (11.2%)              | 87 (9.2%)                 |      |
| 1                                      | 357 (37.8%)              | 394 (41.7%)               |      |
Table 1 The correlation between RPL4P4 and clinicopathologic characteristic in CCGA-glioma dataset.

| Characteristic                           | Low expression of RPL4P4 | High expression of RPL4P4 | p    |
|------------------------------------------|--------------------------|---------------------------|------|
| Chemo_status (TMZ treated=1; un-treated=0), n (%) |                          |                           | 0.772|
| 0                                        | 130 (13.8%)              | 139 (14.7%)               |      |
| 1                                        | 335 (35.5%)              | 340 (36%)                 |      |