**TABLE S1** | Characteristics of patients with glioma based on CGGA RNA-seq data

|  |  |  |  |
| --- | --- | --- | --- |
| **Characteristics** |  | **Number of Cases** | **Percentages (%)** |
| Gender | Male | 306 | 40.91  |
|  | Female | 442 | 59.09  |
| Age | <=41 | 341 | 45.59  |
|  | >41 | 407 | 54.41  |
| Grade | WHO II | 218 | 29.14  |
|  | WHO III | 240 | 32.09  |
|  | WHO IV | 290 | 38.77  |
| PRS\_type | Primary | 501 | 66.98  |
|  | Recurrent | 222 | 29.68  |
|  | Secondary | 25 | 3.34  |
| Radio\_status | Yes | 625 | 83.56  |
|  | No | 123 | 16.44  |
| Chemo\_status | Yes | 520 | 69.52  |
|  | No | 228 | 30.48  |
| Histology | Astrocytoma | 55 | 7.35  |
|  | Anaplastic astrocytoma | 39 | 5.21  |
|  | Anaplastic oligodendroglioma | 22 | 2.94  |
|  | Anaplastic oligoastrocytoma | 80 | 10.70  |
|  | Glioblastoma | 175 | 23.40  |
|  | Oligodendroglioma | 35 | 4.68  |
|  | Oligoastrocytoma | 95 | 12.70  |
|  | Relapse astrocytoma | 20 | 2.67  |
|  | Relapse anaplastic astrocytoma | 36 | 4.81  |
|  | Relapse anaplastic oligodendroglioma | 15 | 2.01  |
|  | Relapse anaplastic oligoastrocytoma | 48 | 6.42  |
|  | Relapse glioblastoma | 90 | 12.03  |
|  | Relapse oligodendroglioma | 4 | 0.53  |
|  | Relapse oligoastrocytoma | 9 | 1.20  |
|  | Secondary relapse glioblastoma | 25 | 3.34  |
| IDH\_mutation\_status | Mutant | 409 | 54.68  |
|  | Wildtype | 339 | 45.32  |
| 1p19q\_codeletion\_status | Codel | 155 | 20.72  |
|  | Non-codel | 593 | 79.28  |