|  |  |  |
| --- | --- | --- |
| **Module** | **Gene number** | **Relations to clinical characters** |
|  |  | **high-RS** | **low-RS** | **Stage** | **T** | **N** | **M** | **age** | **gender** | **race** | **RFS** |
| **turquoise** | **341** | R = -0.48*p* = 3e-13 | R = 0.48*p* = 3e-13 | R = -0.2*p* = 0.004 | R = -0.24*p* = 7e-04 | R = -0.1*p* = 0.1 | R = -0.21*p* = 0.003 | R = 0.21*p* = 0.002 | R = 0.22*p* = 0.001 | R = 0.078*p* = 0.3 | R = 0.0037*p* = 1 |
| **blue** | **264** | R = 0.47*p* = 1e-12 | R = -0.47*p* = 1e-12 | R = 0.29*p* = 2e-05 | R = 0.12*p* = 0.09 | R = 0.2*p* = 0.004 | R = 0.089*p* = 0.2 | R = -0.2*p* = 0.005 | R = -0.17*p* = 0.01 | R = -0.068*p* = 0.3 | R = 0.011*p* = 0.9 |
| **brown** | **161** | R = -0.3*p* = 1e-05 | R = 0.3*p* = 1e-05 | R = -0.22*p* = 0.002 | R = -0.2*p* = 0.005 | R = -0.19*p* = 0.007 | R = -0.11*p* = 0.1 | R = 0.088*p* = 0.2 | R = 0.15*p* = 0.03 | R = 0.078*p* = 0.3 | R = -0.08*p* = 0.3 |
| **yellow** | **126** | R = -0.44*p* = 3e-11 | R = -0.44*p* = 3e-11 | R = -0.17*p* = 0.02 | R = -0.19*p* = 0.008 | R = -0.15*p* = 0.03 | R = -0.26*p* = 2e-04 | R = 0.15*p* = 0.03 | R = 0.19*p* = 0.006 | R = -0.0055*p* = 0.9 | R = -0.094*p* = 0.2 |

**Supplementary Table S3. Detail information about concerned WGCNA modules**