**Table S9** Statistical Significance of Gene Expression Differences across Ethnicities in Breast Cancer

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Comparison | Statistical significance | | | | | | |
| **VEGFA** | **BRCA1** | **RAD51** | **CCNB1** | **CHECK1** | **CDK1** | **XRCC4** |
| Normal-vs-Caucasian | <1E-12 | 1.62458935193399E-12 | <1E-12 | 1.62447832963153E-12 | <1E-12 | <1E-12 | 1.62447832963153E-12 |
| Normal-vs-AfricanAmerican | 8.79409989273938E-10 | 1.11022302462516E-16 | <1E-12 | 1.62447832963153E-12 | 1.62436730732907E-12 | 1.62436730732907E-12 | 5.522300E-03 |
| Normal-vs-Asian | 7.52900000000611E-05 | 1.13139997370837E-09 | <1E-12 | 1.62458935193399E-12 | 1.73189995678058E-09 | 2.76439982016541E-11 | 4.07129996382594E-09 |
| Caucasian-vs-AfricanAmerican | 3.113400E-01 | 9.196600E-01 | 5.783500E-04 | 3.694100E-02 | 1.425360E-01 | 5.796100E-03 | 5.94460000002961E-07 |
| Caucasian-vs-Asian | 4.679400E-01 | 2.762600E-01 | 9.000300E-04 | 4.28770000000522E-05 | 1.573980E-01 | 6.437500E-03 | 8.480400E-02 |
| AfricanAmerican-vs-Asian | 9.437200E-01 | 3.228000E-01 | 2.340400E-01 | 1.783760E-02 | 5.831400E-01 | 2.080000E-01 | 4.03149999994579E-06 |