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| **Number** | **scRNA-seq dataset (log + 1 transformed)** | **Bulk dataset** | **MAD Metric + Tumor Stage + N Stage** | **SDES Metric + Tumor Stage + N Stage** | **MiRNA Metric + Tumor Stage + N Stage** | **MiRNA + SDES Metric + Tumor Stage + N Stage** | **KM p-value from MAD + Tumor Stage + N Stage** | **KM p-value from SDES + Tumor Stage + N Stage** | **KM p-value from MiRNA + Tumor Stage + N Stage** | **KM p-value from MiRNA + SDES + Tumor Stage + N Stage** | **MiRNA + SDES Significant KM?** |
| 1. | GSE81861\_CRC\_tumor | TCGA-COAD | 0.6872 (0.02043) [3] | 0.6777 (0.02478) [5] | 0.6937 (0.01758) [13] | 0.6928 (0.01798) [13] | 1.445e-08 | 5.39e-03 | 1.09e-01 | 7.643e-06 | Y |
| 2. | GSE81861\_Cell\_line\_hct116 | TCGA-COAD | 0.7129 (0.01952) [9] | 0.7035 (0.01611) [11] | 0.6937 (0.01758) [13] | 0.7050 (0.01727) [10] | 1.479e-03 | 3.186e-01 | 1.09e-01 | 2.481e-03 | Y |
| 3. | GSE81861\_CRC\_tumor | TCGA-READ | 0.5130 (0.07413) [8] | 0.5457 (0.07362) [11] | 0.6005 (0.05026) [33] | 0.6308 (0.06605) [54] | 2.821e-01 | 2.022e-03 | 7.891e-01 | 2.022e-03 | Y |
| 4. | GSE81861\_CRC\_tumor | TCGA-READ + TCGA COAD | 0.6909 (0.02322) [3] | 0.691 (0.02023) [38] | 0.6665 (0.02498) [17] | 0.6966 (0.02109) [36] | 1.192e-10 | 3.4e-02 | 2.016e-03 | 4.111e-09 | Y |