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| **Number** | **Method** | **Bulk dataset** | **C-index** | **SE** | **Active Genes** | **KM p-value** | **Significant KM p-value?** |
| 1. | scDD (just genes) | TCGA-COAD | 0.6116 | 0.02614 | 106 | 1.506e-01 | N |
| 2. | scDD (genes + tumor stage) | TCGA-COAD | 0.6670 | 0.03134 | 45 | 6.405e-01 | N |
| 3. | scDD (genes + tumor stage + N stage) | TCGA-COAD | 0.6974 | 0.01852 | 3 | 1.445e-08 | Y |
| 4. | scDD (just genes) | TCGA-READ | 0.5805 | 0.05991 | 14 | 4.793e-01 | N |
| 5. | scDD (genes + tumor stage) | TCGA-READ | 0.6371 | 0.06236 | 2 | 5.341e-03 | Y |
| 6. | scDD (genes + tumor stage + N stage) | TCGA-READ | 0.6293 | 0.05897 | 25 | 6.406e-02 | N |
| 7. | scDD (just genes) | TCGA-COAD + TCGA-READ | 0.6512 | 0.02464 | 74 | 2.603e-01 | N |
| 8. | scDD (genes + tumor stage) | TCGA-COAD + TCGA-READ | 0.6902 | 0.01850 | 38 | 6.228e-01 | N |
| 9. | scDD (genes + tumor stage + N stage) | TCGA-COAD + TCGA-READ | 0.7040 | 0.01756 | 57 | 8.308e-01 | N |
| 10. | scDD (genes only) | TCGA-DLBC | Unable to get significantly differentiated genes | Unable to get significantly differentiated genes | Unable to get significantly differentiated genes | Unable to get significantly differentiated genes | Unable to get significantly differentiated genes |
| 11. | DESingle (genes only) | TCGA-COAD | 0.6041 | 0.03365 | 59 | 8.716e-01 | N |
| 12. | DESingle (genes + tumor stage) | TCGA-COAD | 0.6512 | 0.03106 | 41 | 3.045e-01 | N |
| 13. | DESingle (genes + tumor stage + N stage) | TCGA-COAD | 0.6845 | 0.02234 | 6 | 1.577e-05 | Y |
| 14. | DESingle (genes only) | TCGA-READ | 0.5796 | 0.06531 | 19 | 3.406e-01 | N |
| 15. | DESingle (genes + tumor stage) | TCGA-READ | 0.6760 | 0.06737 | 17 | 3.31e-02 | Y |
| 16. | DESingle (genes + tumor stage + N stage) | TCGA-READ | 0.6632 | 0.07250 | 18 | 1.787e-01 | N |
| 17. | DESingle (genes only) | TCGA-COAD + TCGA-READ | 0.5946 | 0.02167 | 93 | 1.543e-01 | N |
| 18. | DESingle (genes + tumor stage) | TCGA-COAD + TCGA-READ | 0.6457 | 0.02048 | 74 | 7.756e-01 | N |
| 19. | DESingle (genes + tumor stage + N stage) | TCGA-COAD + TCGA-READ | 0.6762 | 0.02221 | 3 | 1.192e-10 | Y |