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| --- | --- | --- |
|  | F-measure | Cohen’s kappa |
|   | SVM-RCE | RCE-IFE-SVM | RCE-IFE | SVM-RCE | RCE-IFE-SVM | RCE-IFE |
| GDS1962 | 0.95 ± 0.08 | 0.96 ± 0.07 | 0.95 ± 0.06 | 0.83 ± 0.25 | 0.86 ± 0.21 | 0.84 ± 0.21 |
| GDS2519 | 0.49 ± 0.15 | 0.53 ± 0.15 | 0.50 ± 0.17 | 0.002 ± 0.29 | 0.10 ± 0.28 | 0.03 ± 0.30 |
| GDS2547 | 0.73 ± 0.11 | 0.75 ± 0.11 | 0.73 ± 0.12 | 0.45 ± 0.20 | 0.49 ± 0.22 | 0.46 ± 0.21 |
| GDS2609 | 0.93 ± 0.13 | 0.93 ± 0.14 | 0.98 ± 0.08 | 0.83 ± 0.34 | 0.83 ± 0.33 | 0.90 ± 0.30 |
| GDS3268 | 0.72 ± 0.13 | 0.71 ± 0.14 | 0.71 ± 0.12 | 0.43 ± 0.22 | 0.42 ± 0.24 | 0.37 ± 0.24 |
| GDS3646 | 0.83 ± 0.09 | 0.79 ± 0.14 | 0.78 ± 0.11 | 0.26 ± 0.36 | 0.28 ± 0.38 | 0.17 ± 0.37 |
| GDS3794 | 0.88 ± 0.15 | 0.87 ± 0.16 | 0.87 ± 0.17 | 0.76 ± 0.30 | 0.75 ± 0.31 | 0.73 ± 0.33 |
| GDS3837 | 0.95 ± 0.06 | 0.94 ± 0.06 | 0.95 ± 0.06 | 0.89 ± 0.11 | 0.88 ± 0.13 | 0.90 ± 0.12 |
| GDS3874 | 0.78 ± 0.12 | 0.77 ± 0.14 | 0.85 ± 0.10 | 0.35 ± 0.31 | 0.33 ± 0.37 | 0.51 ± 0.32 |
| GDS3875 | 0.82 ± 0.12 | 0.84 ± 0.11 | 0.82 ± 0.12 | 0.52 ± 0.30 | 0.52 ± 0.31 | 0.46 ± 0.34 |
| GDS3929 | 0.78 ± 0.07 | 0.77 ± 0.08 | 0.71 ± 0.14 | 0.01 ± 0.21 | -0.03 ± 0.19 | -0.03 ± 0.32 |
| GDS4228 | 0.79 ± 0.07 | 0.77 ± 0.07 | 0.81 ± 0.11 | 0.02 ± 0.20 | -0.03 ± 0.14 | 0.34 ± 0.38 |
| GDS4824 | 0.96 ± 0.10 | 0.97 ± 0.09 | 0.98 ± 0.08 | 0.71 ± 0.52 | 0.78 ± 0.42 | 0.73 ± 0.55 |
| GDS5037 | 0.80 ± 0.13 | 0.80 ± 0.13 | 0.85 ± 0.09 | 0.30 ± 0.40 | 0.31 ± 0.38 | 0.36 ± 0.36 |
| GDS5093 | 0.85 ± 0.16 | 0.84 ± 0.17 | 0.86 ± 0.16 | 0.51 ± 0.50 | 0.53 ± 0.48 | 0.55 ± 0.51 |
| GDS5499 | 0.94 ± 0.05 | 0.95 ± 0.05 | 0.92 ± 0.06 | 0.79 ± 0.18 | 0.81 ± 0.19 | 0.72 ± 0.21 |
| GSE157103 | 0.89 ± 0.10 | 0.93 ± 0.08 | 0.88 ± 0.11 | 0.74 ± 0.23 | 0.81 ± 0.23 | 0.70 ± 0.26 |
| TCGA-BLCA.methylation450 | 0.93 ± 0.08 | 0.95 ± 0.07 | 0.93 ± 0.10 | 0.77 ± 0.26 | 0.85 ± 0.22 | 0.81 ± 0.27 |
| TCGA-BLCA.mirna | 0.95 ± 0.08 | 0.93 ± 0.10 | 0.94 ± 0.08 | 0.86 ± 0.22 | 0.81 ± 0.25 | 0.82 ± 0.24 |
| TCGA-BRCA.methylation450 | 0.92 ± 0.09 | 0.92 ± 0.10 | 0.96 ± 0.07 | 0.88 ± 0.14 | 0.89 ± 0.14 | 0.94 ± 0.11 |
| Average | 0.84 ± 0.10 | 0.85 ± 0.11 | 0.85 ± 0.11 | 0.55 ± 0.28 | 0.56 ± 0.27  | 0.57 ± 0.30 |