Table S1 Prognosis results of IRF4 in various cancers from PrognoScan.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Dataset | Cancer type | Endpoint | Probe ID | N | Cox P-value | HR(95%CI) |
| GSE5287 | Bladder cancer | OS | 216987\_at | 30 | 0.03866 | 0.01[0.00-0.80] |
| GSE16131-GPL96 | Follicular lymphoma | OS | 216987\_at | 180 | 0.036208 | 1.17[1.01-1.36] |
| GSE2034 | Breast cancer | DMFS | 204562\_at | 286 | 0.000479 | 0.52[0.36-0.75] |
| GSE4922-GPL96 | Breast cancer | DFS | 216986\_s\_at | 249 | 0.009298 | 0.45[0.25-0.82] |
| GSE2990 | Breast cancer | RFS | 216986\_s\_at | 125 | 0.012348 | 0.12[0.02-0.63] |
| GSE2990 | Breast cancer | DMFS | 204562\_at | 125 | 0.012973 | 0.17[0.04-0.69] |
| GSE2990 | Breast cancer | DMFS | 216986\_at | 125 | 0.023307 | 0.07[0.01-0.70] |
| GSE17536 | Colorectal caner | DSS | 216986\_s\_at | 177 | 0.008314 | 0.11[0.02-0.57] |
| GSE17536 | Colorectal caner | DSS | 204562\_at | 177 | 0.044124 | 0.34[0.12-0.97] |
| GSE17536 | Colorectal caner | OS | 216986\_at | 177 | 0.001258 | 0.1[0.02-0.40] |
| GSE17536 | Colorectal caner | DFS | 216986\_s\_at | 145 | 0.030461 | 0.09[0.01-0.80] |
| GSE17537 | Colorectal caner | OS | 216986\_s\_at | 55 | 0.035254 | 0.06[0.00-0.83] |
| GSE17537 | Colorectal caner | DFS | 216986\_s\_at | 55 | 0.017717 | 0.05[0.00-0.59] |
| Jacob-00182-CANDF | Lung cancer | OS | 204562\_at | 82 | 0.034811 | 0.48[0.24-0.95] |
| Jacob-00182-HLM | Lung cancer | OS | 216987\_at | 79 | 0.005221 | 0.37[0.18-0.74] |
| GSE31210 | Lung cancer | OS | 204562\_at | 204 | 0.036677 | 0.52[0.21-0.94] |
| GSE8894 | Lung cancer | RFS | 216987\_at | 138 | 0.031702 | 0.01[0.00-0.68] |
| DUKE-OC | Ovarian cancer | OS | 216987\_at | 133 | 0.031338 | 1.68[1.05-2.69] |
| DUKE-OC | Ovarian cancer | OS | 216986\_s\_at | 133 | 0.031207 | 8.07[1.21-53.91] |

OS, overall survival; DMFS, distant metastasis free survival; DFS, disease free survival; RFS, relapse free survival; DSS, disease specific survival; CI, confidence interval.