**Table S2. Multivariate analysis of prognostic genes in patients with PaCa.**

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| --- | --- | --- | --- | --- |
| **Gene** | **Beta** | **HR** | **95%CI** | **P value** |
| ABCA7 | 0.265 | 1.30 | 0.46-3.67 | 0.615 |
| ACIN1 | 1.868 | 6.48 | 0.80-52.62 | 0.081 |
| ARGLU1 | 0.772 | 2.17 | 0.63-7.47 | 0.222 |
| ARHGEF35 | -0.652 | 0.52 | 0.21-1.29 | 0.160 |
| C20orf96 | 0.144 | 1.15 | 0.45-2.96 | 0.765 |
| C6orf47 | -1.219 | 0.30 | 0.05-1.84 | 0.192 |
| CABIN1 | -1.838 | 0.16 | 0.02-1.36 | 0.093 |
| CASC4 | 0.194 | 1.21 | 0.21-7.03 | 0.828 |
| CDX2 | -1.214 | 0.30 | 0.09-0.97 | 0.045 |
| CENPT | -1.662 | 0.19 | 0.02-1.66 | 0.133 |
| CXorf23 | 0.263 | 1.30 | 0.17-9.72 | 0.798 |
| DUOXA1 | 0.124 | 1.13 | 0.66-1.94 | 0.651 |
| EPSTI1 | 0.983 | 2.67 | 0.92-7.78 | 0.071 |
| FTSJ3 | 3.641 | 38.12 | 4.36-333.27 | 0.001 |
| GUF1 | 0.109 | 1.12 | 0.15-8.50 | 0.916 |
| HERC6 | 0.216 | 1.24 | 0.30-5.20 | 0.768 |
| HSP90AA1 | -0.920 | 0.40 | 0.14-1.13 | 0.082 |
| IFI44 | -0.560 | 0.57 | 0.13-2.57 | 0.465 |
| IFIT2 | -0.423 | 0.66 | 0.20-2.13 | 0.483 |
| IGFBP5 | -0.114 | 0.89 | 0.42-1.88 | 0.764 |
| IQUB | -0.233 | 0.79 | 0.32-1.99 | 0.620 |
| IRF2BPL | -0.521 | 0.59 | 0.07-4.76 | 0.623 |
| KDM4A | 1.466 | 4.33 | 0.68-27.4 | 0.119 |
| LACC1 | 0.744 | 2.10 | 0.51-8.68 | 0.304 |
| LOC643802 | -0.114 | 0.89 | 0.40-1.99 | 0.780 |
| LUC7L | -1.404 | 0.25 | 0.03-2.40 | 0.227 |
| MACF1 | -2.342 | 0.10 | 0.02-0.55 | 0.009 |
| MMP14 | -0.421 | 0.66 | 0.23-1.87 | 0.430 |
| MXD1 | 1.159 | 3.19 | 0.71-14.33 | 0.131 |
| NAA16 | 1.234 | 3.44 | 0.88-13.48 | 0.077 |
| NBEAL1 | 1.348 | 3.85 | 0.63-23.46 | 0.144 |
| OAS3 | -0.103 | 0.90 | 0.15-5.46 | 0.911 |
| OS9 | 1.734 | 5.67 | 0.60-53.48 | 0.130 |
| PARN | 0.022 | 1.02 | 0.17-6.00 | 0.981 |
| PARP12 | 0.014 | 1.01 | 0.26-3.92 | 0.984 |
| PDAP1 | -1.140 | 0.32 | 0.06-1.60 | 0.165 |
| PLEKHN1 | 0.931 | 2.54 | 0.79-8.19 | 0.119 |
| PRDM1 | -1.008 | 0.36 | 0.12-1.11 | 0.077 |
| R3HDM4 | 0.385 | 1.47 | 0.21-10.21 | 0.697 |
| RASSF4 | -1.381 | 0.25 | 0.09-0.72 | 0.011 |
| RHOBTB1 | 0.278 | 1.32 | 0.21-8.39 | 0.768 |
| RSAD2 | -0.837 | 0.43 | 0.12-1.53 | 0.194 |
| SLC4A7 | 0.224 | 1.25 | 0.32-4.88 | 0.747 |
| SMG6 | 0.650 | 1.92 | 0.24-15.16 | 0.538 |
| SRRM1 | 0.896 | 2.45 | 0.40-15.08 | 0.333 |
| SRSF4 | -1.964 | 0.14 | 0.02-1.07 | 0.058 |
| STAT1 | 2.293 | 9.90 | 2.01-48.77 | 0.005 |
| STX2 | 1.900 | 6.69 | 1.16-38.70 | 0.034 |
| TLN2 | -0.777 | 0.46 | 0.12-1.73 | 0.251 |
| TRIO | -1.146 | 0.32 | 0.07-1.46 | 0.141 |
| TULP3 | 0.490 | 1.63 | 0.26-10.24 | 0.601 |
| VASP | -0.482 | 0.62 | 0.18-2.17 | 0.453 |
| XAF1 | -0.142 | 0.87 | 0.20-3.80 | 0.851 |
| ZBED1 | 1.574 | 4.83 | 0.88-26.58 | 0.071 |
| ZC3H15 | 0.018 | 1.02 | 0.23-4.46 | 0.981 |