**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  |