**Supplementary table 2** DEGs that were significantly correlated with the overall survival of OC patients

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene Symbol | HR | LCI | UCI | P value |
| IGF2 | 1.155904 | 1.077828 | 1.239634 | 4.90E-05 |
| RECK | 1.692166 | 1.308165 | 2.188887 | 6.19E-05 |
| PTGER3 | 1.687189 | 1.293083 | 2.201411 | 1.16E-04 |
| PHACTR2 | 1.648691 | 1.255291 | 2.16538 | 3.25E-04 |
| PSD3 | 1.853413 | 1.305842 | 2.630593 | 5.53E-04 |
| GPRASP1 | 1.374989 | 1.145661 | 1.65022 | 6.25E-04 |
| PDGFD | 1.335095 | 1.122146 | 1.588455 | 0.001115 |
| ABCA8 | 1.244154 | 1.09064 | 1.419277 | 0.001149 |
| PDE8B | 1.850172 | 1.275062 | 2.684682 | 0.001198 |
| DCN | 1.216478 | 1.080111 | 1.37006 | 0.001236 |
| ECM2 | 1.367841 | 1.128223 | 1.658349 | 0.001434 |
| GFPT2 | 1.60216 | 1.196773 | 2.144866 | 0.001541 |
| KDR | 2.496187 | 1.38058 | 4.513284 | 0.002468 |
| EFEMP1 | 1.259244 | 1.081612 | 1.46605 | 0.002967 |
| CHGN | 1.328542 | 1.095567 | 1.611061 | 0.00388 |
| HOXC6 | 1.346405 | 1.09994 | 1.648096 | 0.003934 |
| ALDH1A2 | 1.275981 | 1.079367 | 1.508409 | 0.00431 |
| C6ORF111 | 1.426383 | 1.116916 | 1.821593 | 0.004426 |
| ALDH1A1 | 1.227977 | 1.064256 | 1.416885 | 0.004909 |
| CAV2 | 1.337283 | 1.091337 | 1.638657 | 0.005065 |
| PDPN | 1.512641 | 1.126845 | 2.030523 | 0.005871 |
| MEF2C | 1.422748 | 1.105835 | 1.830484 | 0.006099 |
| LOC653754 | 1.658216 | 1.154323 | 2.38207 | 0.00621 |
| RHOT1 | 1.568865 | 1.135197 | 2.168202 | 0.00637 |
| LYPD1 | 0.836817 | 0.735941 | 0.951521 | 0.006564 |
| RARRES1 | 1.157035 | 1.04117 | 1.285793 | 0.006741 |
| NAP1L3 | 1.311493 | 1.074959 | 1.600075 | 0.007534 |
| FLJ10159 | 1.295373 | 1.069451 | 1.569022 | 0.00813 |
| SNCAIP | 1.421542 | 1.092331 | 1.849971 | 0.00887 |
| ADH1B | 1.176641 | 1.041035 | 1.329911 | 0.009223 |
| PEG3 | 1.124622 | 1.028839 | 1.229323 | 0.009711 |
| BAMBI | 1.275562 | 1.060642 | 1.534031 | 0.009728 |
| CAV1 | 1.2066 | 1.046258 | 1.391516 | 0.009836 |
| FZD7 | 1.266187 | 1.058346 | 1.514845 | 0.009885 |
| ARHGAP6 | 1.40526 | 1.083322 | 1.822872 | 0.010382 |
| NR2F2 | 1.211887 | 1.046241 | 1.40376 | 0.010384 |
| OLFML1 | 1.322555 | 1.064904 | 1.642543 | 0.011446 |
| IFI27 | 0.86593 | 0.773997 | 0.968784 | 0.011945 |
| D4S234E | 0.789259 | 0.656001 | 0.949586 | 0.012135 |
| FLRT2 | 1.210822 | 1.040809 | 1.408606 | 0.013208 |
| ADH1B | 1.156958 | 1.030396 | 1.299065 | 0.013643 |
| MTUS1 | 1.309358 | 1.056877 | 1.622154 | 0.013659 |
| GALC | 1.370127 | 1.06575 | 1.761433 | 0.014019 |
| PPAP2A | 1.361571 | 1.063615 | 1.742995 | 0.014309 |
| NR2F1 | 1.222508 | 1.039093 | 1.438298 | 0.015421 |
| RHOB | 1.18208 | 1.028311 | 1.358843 | 0.018643 |
| H2BFS | 0.830951 | 0.710199 | 0.972233 | 0.020808 |
| SLC39A4 | 0.818461 | 0.690484 | 0.970158 | 0.020933 |
| GALNT12 | 0.685402 | 0.496802 | 0.9456 | 0.021413 |
| RNASE4 | 1.212845 | 1.028974 | 1.429573 | 0.021422 |
| SEMA3C | 1.180876 | 1.024728 | 1.360817 | 0.021589 |
| LAMA4 | 1.278289 | 1.03396 | 1.580354 | 0.023297 |
| LOC283537 | 1.60001 | 1.064437 | 2.405058 | 0.023805 |
| CIRBP | 1.263725 | 1.028987 | 1.552012 | 0.025581 |
| DOCK4 | 1.212601 | 1.022502 | 1.438043 | 0.026709 |
| ADH5 | 1.245144 | 1.023108 | 1.515367 | 0.028674 |
| LAMB1 | 1.212653 | 1.019134 | 1.442919 | 0.029733 |
| MAF | 1.301021 | 1.022468 | 1.655462 | 0.032297 |
| ACSL1 | 1.220492 | 1.01449 | 1.468325 | 0.034645 |
| IGFBP6 | 1.214964 | 1.01361 | 1.456317 | 0.035188 |
| PURA | 1.299578 | 1.016925 | 1.660796 | 0.036252 |
| FGF13 | 1.436342 | 1.019623 | 2.023374 | 0.038348 |
| TCF21 | 1.217575 | 1.009436 | 1.468631 | 0.039576 |
| RARRES1 | 1.129291 | 1.002043 | 1.272699 | 0.046215 |