Suppl Table 4. Univariate Cox regression analyses for risk score of patients with SOC

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| **Variable** | **OS** | | **P-value** |
| **HR** | **95% CI** |
| NTRK2 | 1.242 | 1.092-1.413 | 0.001 |
| BCL2L11 | 1.158 | 1.008-1.33 | 0.038 |
| AKT1 | 0.787 | 0.642-0.963 | 0.020 |
| ITGB1 | 1.162 | 1.029-1.313 | 0.016 |
| PTRH2 | 0.819 | 0.705-0.951 | 0.009 |
| ITGA5 | 1.145 | 1.000-1.309 | 0.049 |
| FN1 | 1.154 | 1.031-1.291 | 0.013 |
| ANGPTL4 | 1.248 | 1.083-1.438 | 0.002 |
| PDK4 | 1.204 | 1.053-1.378 | 0.007 |
| MTOR | 1.162 | 1.033-1.307 | 0.012 |
| IGF1 | 1.240 | 1.084-1.418 | 0.002 |
| CCND1 | 1.147 | 1.012-1.300 | 0.032 |
| CXCL12 | 1.310 | 1.143-1.500 | 0.000 |
| ABHD4 | 1.134 | 1.001-1.284 | 0.048 |
| HMCN1 | 1.181 | 1.032-1.351 | 0.015 |
| MMP2 | 1.159 | 1.024-1.312 | 0.019 |
| CDKN1B | 1.208 | 1.062-1.374 | 0.004 |
| NTRK1 | 1.155 | 1.007-1.326 | 0.039 |
| KRAS | 1.133 | 1.017-1.262 | 0.024 |
| THBS1 | 1.181 | 1.033-1.35 | 0.015 |
| NTF3 | 1.164 | 1.008-1.344 | 0.038 |
| LATS1 | 1.149 | 1.016-1.299 | 0.027 |
| ITGA8 | 1.199 | 1.044-1.377 | 0.010 |
| MAVS | 1.190 | 1.04-1.363 | 0.012 |
| RB1 | 1.220 | 1.069-1.393 | 0.003 |
| CRYAB | 1.131 | 1.002-1.276 | 0.046 |
| LRP1 | 1.237 | 1.091-1.403 | 0.001 |
| LPAR1 | 1.175 | 1.026-1.346 | 0.020 |

HR (Hazard Ratio); CI (Confidence Interval)