

|          | pvalue | Hazard ratio       |
|----------|--------|--------------------|
| EYA4     | <0.001 | 0.310(0.155-0.622) |
| TP63     | 0.049  | 0.811(0.659-0.999) |
| CENPA    | <0.001 | 2.452(1.814-3.314) |
| FRMD6    | 0.005  | 0.650(0.482-0.877) |
| FAM124A  | 0.018  | 0.513(0.295-0.892) |
| SLC15A1  | <0.004 | 0.467(0.280-0.779) |
| MYBL2    | <0.001 | 1.850(1.492-2.295) |
| MSMB     | <0.001 | 0.842(0.767-0.923) |
| GNG13    | <0.023 | 1.309(1.038-1.651) |
| CBX2     | <0.001 | 2.034(1.511-2.738) |
| COL4A6   | 0.006  | 0.614(0.435-0.867) |
| SPON1    | 0.023  | 0.750(0.586-0.961) |
| CHRD1    | 0.001  | 0.758(0.641-0.896) |
| LCN2     | <0.001 | 0.825(0.740-0.919) |
| PENK     | 0.032  | 0.683(0.481-0.969) |
| PCDH7    | 0.008  | 0.626(0.443-0.883) |
| ANO5     | 0.001  | 0.450(0.277-0.731) |
| EDN3     | 0.001  | 0.442(0.267-0.732) |
| CPNE7    | 0.032  | 1.226(1.018-1.477) |
| COL27A1  | 0.040  | 1.458(1.018-2.088) |
| SYNPO2   | 0.001  | 0.760(0.642-0.899) |
| FAT4     | 0.043  | 0.570(0.330-0.982) |
| COL7A1   | 0.002  | 1.463(1.153-1.855) |
| TNS1     | 0.009  | 0.771(0.634-0.938) |
| ARHGDIG  | <0.001 | 1.515(1.227-1.870) |
| MAML2    | 0.011  | 0.645(0.459-0.906) |
| SRD5A2   | <0.001 | 0.587(0.464-0.743) |
| RND2     | 0.014  | 0.502(0.289-0.871) |
| LTF      | 0.050  | 0.926(0.858-1.000) |
| CD177    | 0.010  | 0.867(0.778-0.966) |
| KCTD14   | 0.003  | 0.569(0.393-0.824) |
| FBXO17   | 0.039  | 0.668(0.456-0.979) |
| COL17A1  | 0.046  | 0.811(0.661-0.996) |
| ZNF750   | 0.031  | 0.739(0.562-0.972) |
| ALDH1A2  | <0.001 | 0.564(0.410-0.775) |
| NEK2     | <0.001 | 2.062(1.581-2.689) |
| ROR2     | 0.048  | 0.765(0.587-0.998) |
| SPATA18  | 0.006  | 0.593(0.410-0.858) |
| PROK1    | <0.001 | 0.588(0.453-0.763) |
| P2RX1    | 0.019  | 0.678(0.489-0.939) |
| APOBEC3C | 0.034  | 0.784(0.627-0.982) |
| KIAA1210 | 0.004  | 0.635(0.467-0.862) |
| ATP2B4   | 0.004  | 0.716(0.570-0.899) |
| BIRC5    | <0.001 | 1.990(1.576-2.515) |
| FAM107A  | <0.001 | 0.635(0.503-0.800) |
| COL23A1  | 0.013  | 0.560(0.355-0.885) |
| MXN1     | 0.030  | 1.394(1.032-1.884) |
| ALB      | <0.001 | 1.286(1.118-1.479) |
| ACSS3    | 0.010  | 0.423(0.219-0.817) |
| MPP2     | 0.032  | 0.611(0.390-0.958) |
| OLFM4    | 0.015  | 0.888(0.807-0.978) |
| GGT6     | 0.022  | 0.741(0.573-0.958) |
| MR1      | 0.041  | 0.664(0.448-0.984) |
| ITGA2    | 0.018  | 0.687(0.502-0.939) |
| ARHGAP20 | 0.011  | 0.448(0.241-0.835) |
| MYH11    | <0.001 | 0.783(0.685-0.896) |
| ANGPT1   | 0.001  | 0.568(0.405-0.797) |
| CCK      | 0.028  | 0.806(0.665-0.977) |
| ACOX2    | 0.004  | 0.590(0.413-0.844) |
| ATCAY    | 0.007  | 0.500(0.302-0.828) |
| MEIS2    | 0.025  | 0.702(0.515-0.957) |
| NEFH     | 0.039  | 0.916(0.842-0.996) |
| SERPINB5 | 0.026  | 0.717(0.535-0.961) |
| UBXN10   | <0.001 | 0.280(0.152-0.515) |
| SLC8A1   | 0.017  | 0.591(0.384-0.911) |
| GNAL     | 0.007  | 0.534(0.339-0.843) |
| PRIMA1   | 0.026  | 0.656(0.453-0.951) |
| UBE2C    | <0.001 | 1.770(1.460-2.146) |
| MALAT1   | 0.009  | 1.270(1.060-1.522) |
| ZNF185   | <0.001 | 0.648(0.502-0.836) |
| SLC18A2  | 0.018  | 0.483(0.264-0.884) |
| SLC26A4  | 0.006  | 0.767(0.634-0.926) |
| MIR27B   | 0.033  | 1.340(1.023-1.755) |
| CRIP3    | 0.038  | 0.509(0.268-0.964) |
| PDZRN4   | 0.002  | 0.597(0.429-0.831) |
| SLC2A5   | 0.021  | 0.721(0.545-0.952) |
| SPZ1     | 0.007  | 1.411(1.097-1.816) |
| PGM5     | <0.001 | 0.719(0.606-0.853) |
| HES6     | 0.010  | 1.302(1.064-1.594) |
| STAC     | 0.003  | 0.569(0.395-0.821) |
| JPH4     | <0.001 | 0.585(0.434-0.787) |
| SORBS1   | 0.005  | 0.755(0.620-0.919) |
| AMH      | <0.001 | 1.889(1.514-2.356) |
| WFDC2    | 0.012  | 0.845(0.741-0.963) |
| MYOCD    | <0.001 | 0.543(0.391-0.754) |
| SCNN1A   | 0.018  | 0.806(0.674-0.964) |
| MMP11    | <0.001 | 1.547(1.287-1.859) |
| TFF3     | 0.037  | 0.906(0.825-0.994) |
| C2orf88  | <0.001 | 0.345(0.186-0.640) |
| FOXI1    | 0.022  | 0.572(0.355-0.923) |
| CLIC6    | 0.010  | 0.677(0.503-0.911) |
| SYNM     | <0.001 | 0.748(0.633-0.884) |
| B3GALT2  | <0.001 | 0.331(0.192-0.569) |
| SNAI2    | 0.023  | 0.759(0.598-0.962) |
| TROAP    | <0.001 | 2.842(2.088-3.867) |
| IP6K3    | <0.001 | 0.410(0.252-0.667) |
| TRPC4    | 0.015  | 0.568(0.360-0.897) |
| MYLK     | 0.001  | 0.757(0.638-0.897) |
| AOX1     | 0.001  | 0.659(0.510-0.850) |
| FLNC     | 0.002  | 0.777(0.662-0.911) |
| HPDL     | 0.006  | 0.399(0.206-0.773) |
| GLIS1    | 0.047  | 0.667(0.447-0.996) |
| FGF10    | 0.014  | 0.507(0.295-0.871) |
| CA14     | <0.001 | 0.280(0.134-0.587) |
| ZNF516   | 0.022  | 0.655(0.456-0.940) |
| AHNAK2   | 0.022  | 0.644(0.443-0.937) |
| PGR      | 0.029  | 0.501(0.269-0.933) |
| GPX3     | 0.023  | 0.808(0.672-0.971) |
| ADRA1A   | 0.003  | 0.416(0.233-0.741) |
| FLNA     | 0.009  | 0.793(0.667-0.944) |

