

| label | AUC_value | decision_threshold |
|----------|-------------|--------------------|
| SERPINE2 | 1 | 0.6 |
| SLC22A31 | 1 | 0.3 |
| SLC22A31 | 1 | 0.4 |
| SLC22A31 | 1 | 0.5 |
| SLC22A31 | 1 | 0.6 |
| SLC22A31 | 1 | 0.7 |
| SLC22A31 | 1 | 0.8 |
| SLC22A31 | 1 | 0.9 |
| SMTNL2 | 1 | 0.4 |
| SMTNL2 | 1 | 0.5 |
| SMTNL2 | 1 | 0.6 |
| SMTNL2 | 1 | 0.7 |
| SMTNL2 | 1 | 0.8 |
| SMTNL2 | 1 | 0.9 |
| VRTN | 1 | 0.2 |
| VRTN | 1 | 0.3 |
| VRTN | 1 | 0.4 |
| VRTN | 1 | 0.5 |
| VRTN | 1 | 0.6 |
| VRTN | 1 | 0.7 |
| VRTN | 1 | 0.8 |
| PRG4 | 0.970588235 | 0.1 |
| S100B | 0.970588235 | 0.1 |
| SMTNL2 | 0.970588235 | 0.3 |
| ZCCHC12 | 0.970588235 | 0.1 |
| CD1E | 0.941176471 | 0.9 |
| GPRC5D | 0.941176471 | 0.2 |
| CD1E | 0.911764706 | 0.8 |
| ZCCHC12 | 0.911764706 | 0.2 |
| GPRC5D | 0.90625 | 0.3 |
| FABP1 | 0.882352941 | 0.3 |
| FABP1 | 0.882352941 | 0.4 |
| PRG4 | 0.7875 | 0.3 |
| CRABP1 | 0.75 | 0.7 |
| CRABP1 | 0.75 | 0.8 |
| CRABP1 | 0.75 | 0.9 |
| PRG4 | 0.75 | 0.2 |
| SLC22A31 | 0.75 | 0.2 |
| VGLL1 | 0.75 | 0.8 |
| VGLL1 | 0.75 | 0.9 |
| ANXA10 | 0.746153846 | 0.4 |
| ZCCHC12 | 0.746153846 | 0.4 |

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| ZCCHC12 | 0.733333333 | 0.3 |
| ANXA10 | 0.720779221 | 0.5 |
| ZCCHC12 | 0.701298701 | 0.5 |
| SERPINE2 | 0.694805195 | 0.2 |
| C2orf88 | 0.6875 | 0.1 |
| HAND2 | 0.678571429 | 0.7 |
| SERPINE2 | 0.675 | 0.3 |
| CRABP1 | 0.666666667 | 0.3 |
| CRABP1 | 0.666666667 | 0.4 |
| CRABP1 | 0.666666667 | 0.5 |
| CRABP1 | 0.666666667 | 0.6 |
| FAM19A3 | 0.666666667 | 0.1 |
| GPRC5D | 0.666666667 | 0.5 |
| GPRC5D | 0.666666667 | 0.7 |
| GPRC5D | 0.666666667 | 0.8 |
| VGLL1 | 0.666666667 | 0.4 |
| VGLL1 | 0.666666667 | 0.5 |
| VGLL1 | 0.666666667 | 0.6 |
| VGLL1 | 0.666666667 | 0.7 |
| HAND2 | 0.65625 | 0.8 |
| GPRC5D | 0.646153846 | 0.6 |
| HAS1 | 0.646153846 | 0.2 |
| CD1E | 0.625 | 0.7 |
| CRABP1 | 0.625 | 0.2 |
| CD1B | 0.611111111 | 0.4 |
| GPRC5D | 0.611111111 | 0.4 |
| SERPINE2 | 0.6 | 0.5 |
| SCRG1 | 0.597402597 | 0.2 |
| HAND2 | 0.589285714 | 0.1 |
| FAM19A3 | 0.584615385 | 0.2 |
| IGF2 | 0.584615385 | 0.1 |
| ZCCHC12 | 0.575 | 0.6 |
| ACTG2 | 0.561538462 | 0.3 |
| FABP1 | 0.561538462 | 0.5 |
| FABP1 | 0.561538462 | 0.6 |
| FABP1 | 0.561538462 | 0.7 |
| FABP1 | 0.561538462 | 0.8 |
| FABP1 | 0.561538462 | 0.9 |
| SMTNL2 | 0.558441558 | 0.2 |
| CD1E | 0.555555556 | 0.6 |
| ZCCHC12 | 0.555555556 | 0.7 |
| ANXA10 | 0.553571429 | 0.3 |
| CD1B | 0.553571429 | 0.3 |

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| HAND2 | 0.551948052 | 0.2 |
| HAND2 | 0.546153846 | 0.6 |
| HAND2 | 0.541666667 | 0.4 |
| MIA | 0.517857143 | 0.2 |
| HAND2 | 0.507692308 | 0.5 |
| KRT16 | 0.507692308 | 0.2 |
| S100B | 0.507692308 | 0.2 |
| ACTG2 | 0.5 | 0.4 |
| ACTG2 | 0.5 | 0.5 |
| ACTG2 | 0.5 | 0.6 |
| ACTG2 | 0.5 | 0.7 |
| ACTG2 | 0.5 | 0.8 |
| ACTG2 | 0.5 | 0.9 |
| C2orf88 | 0.5 | 0.2 |
| C2orf88 | 0.5 | 0.5 |
| C2orf88 | 0.5 | 0.6 |
| C2orf88 | 0.5 | 0.7 |
| C2orf88 | 0.5 | 0.8 |
| C2orf88 | 0.5 | 0.9 |
| CD1E | 0.5 | 0.1 |
| CRABP1 | 0.5 | 0.1 |
| FAM19A3 | 0.5 | 0.3 |
| FAM19A3 | 0.5 | 0.5 |
| FAM19A3 | 0.5 | 0.6 |
| FAM19A3 | 0.5 | 0.7 |
| FAM19A3 | 0.5 | 0.8 |
| FAM19A3 | 0.5 | 0.9 |
| FAM3D | 0.5 | 0.5 |
| FAM3D | 0.5 | 0.6 |
| FAM3D | 0.5 | 0.7 |
| FAM3D | 0.5 | 0.8 |
| FAM3D | 0.5 | 0.9 |
| GFRA3 | 0.5 | 0.1 |
| GFRA3 | 0.5 | 0.2 |
| GFRA3 | 0.5 | 0.3 |
| GFRA3 | 0.5 | 0.4 |
| GFRA3 | 0.5 | 0.5 |
| GFRA3 | 0.5 | 0.6 |
| GFRA3 | 0.5 | 0.7 |
| GFRA3 | 0.5 | 0.8 |
| GFRA3 | 0.5 | 0.9 |
| GPRC5D | 0.5 | 0.1 |
| HAS1 | 0.5 | 0.3 |

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| HAS1 | 0.5 | 0.4 |
| HAS1 | 0.5 | 0.5 |
| HAS1 | 0.5 | 0.6 |
| HAS1 | 0.5 | 0.7 |
| HAS1 | 0.5 | 0.8 |
| HAS1 | 0.5 | 0.9 |
| KRT16 | 0.5 | 0.1 |
| KRTDAP | 0.5 | 0.1 |
| MIA | 0.5 | 0.1 |
| MIA | 0.5 | 0.3 |
| MIA | 0.5 | 0.4 |
| MIA | 0.5 | 0.5 |
| MIA | 0.5 | 0.6 |
| MIA | 0.5 | 0.7 |
| MIA | 0.5 | 0.8 |
| MIA | 0.5 | 0.9 |
| MLC1 | 0.5 | 0.2 |
| MLC1 | 0.5 | 0.3 |
| MLC1 | 0.5 | 0.4 |
| MLC1 | 0.5 | 0.5 |
| MLC1 | 0.5 | 0.6 |
| MLC1 | 0.5 | 0.7 |
| MLC1 | 0.5 | 0.8 |
| MLC1 | 0.5 | 0.9 |
| PRG4 | 0.5 | 0.4 |
| PRG4 | 0.5 | 0.5 |
| PRG4 | 0.5 | 0.6 |
| PRG4 | 0.5 | 0.7 |
| PRG4 | 0.5 | 0.8 |
| PRG4 | 0.5 | 0.9 |
| S100B | 0.5 | 0.3 |
| S100B | 0.5 | 0.4 |
| S100B | 0.5 | 0.5 |
| S100B | 0.5 | 0.6 |
| S100B | 0.5 | 0.7 |
| S100B | 0.5 | 0.8 |
| S100B | 0.5 | 0.9 |
| SCRG1 | 0.5 | 0.3 |
| SCRG1 | 0.5 | 0.4 |
| SCRG1 | 0.5 | 0.5 |
| SCRG1 | 0.5 | 0.6 |
| SCRG1 | 0.5 | 0.7 |
| SCRG1 | 0.5 | 0.8 |

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| SCRG1 | 0.5 | 0.9 |
| SERPINE2 | 0.5 | 0.7 |
| SERPINE2 | 0.5 | 0.8 |
| SERPINE2 | 0.5 | 0.9 |
| SLC22A31 | 0.5 | 0.1 |
| TM4SF4 | 0.5 | 0.3 |
| TUBB4A | 0.5 | 0.3 |
| TUBB4A | 0.5 | 0.4 |
| TUBB4A | 0.5 | 0.5 |
| TUBB4A | 0.5 | 0.6 |
| TUBB4A | 0.5 | 0.7 |
| TUBB4A | 0.5 | 0.8 |
| TUBB4A | 0.5 | 0.9 |
| VRTN | 0.5 | 0.1 |
| VRTN | 0.5 | 0.9 |
| TM4SF4 | 0.484615385 | 0.2 |
| MUC15 | 0.482142857 | 0.1 |
| SERPINE2 | 0.482142857 | 0.4 |
| SMTNL2 | 0.482142857 | 0.1 |
| ANXA10 | 0.470588235 | 0.1 |
| BEX1 | 0.470588235 | 0.6 |
| BEX1 | 0.470588235 | 0.7 |
| BEX1 | 0.470588235 | 0.8 |
| BEX1 | 0.470588235 | 0.9 |
| HAND2 | 0.470588235 | 0.9 |
| KRT16 | 0.470588235 | 0.8 |
| KRT16 | 0.470588235 | 0.9 |
| KRTDAP | 0.470588235 | 0.2 |
| KRTDAP | 0.470588235 | 0.3 |
| KRTDAP | 0.470588235 | 0.4 |
| KRTDAP | 0.470588235 | 0.5 |
| KRTDAP | 0.470588235 | 0.6 |
| KRTDAP | 0.470588235 | 0.7 |
| KRTDAP | 0.470588235 | 0.8 |
| KRTDAP | 0.470588235 | 0.9 |
| MUC15 | 0.470588235 | 0.4 |
| MUC15 | 0.470588235 | 0.5 |
| PLA2G2D | 0.470588235 | 0.2 |
| PLA2G2D | 0.470588235 | 0.6 |
| PLA2G2D | 0.470588235 | 0.7 |
| PLA2G2D | 0.470588235 | 0.8 |
| PLA2G2D | 0.470588235 | 0.9 |
| TUBB4A | 0.470588235 | 0.1 |

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| CD1E | 0.469230769 | 0.5 |
| CD1E | 0.46875 | 0.2 |
| FAM19A3 | 0.46875 | 0.4 |
| GPRC5D | 0.46875 | 0.9 |
| KRT16 | 0.46875 | 0.4 |
| KRT16 | 0.46875 | 0.5 |
| KRT16 | 0.46875 | 0.6 |
| KRT16 | 0.46875 | 0.7 |
| MUC15 | 0.46875 | 0.3 |
| FAM3D | 0.466666667 | 0.4 |
| KRT16 | 0.466666667 | 0.3 |
| FAM3D | 0.464285714 | 0.3 |
| ZCCHC12 | 0.464285714 | 0.8 |
| ZCCHC12 | 0.464285714 | 0.9 |
| ACTG2 | 0.458333333 | 0.2 |
| FAM3D | 0.446153846 | 0.2 |
| ANXA10 | 0.441176471 | 0.2 |
| HAS1 | 0.441176471 | 0.1 |
| PLA2G2D | 0.441176471 | 0.5 |
| TM4SF4 | 0.441176471 | 0.4 |
| TM4SF4 | 0.441176471 | 0.5 |
| TM4SF4 | 0.441176471 | 0.6 |
| TM4SF4 | 0.441176471 | 0.7 |
| CD1E | 0.4375 | 0.3 |
| TUBB4A | 0.433333333 | 0.2 |
| SERPINE2 | 0.428571429 | 0.1 |
| TM4SF4 | 0.428571429 | 0.1 |
| VGLL1 | 0.415584416 | 0.3 |
| BEX1 | 0.411764706 | 0.3 |
| BEX1 | 0.411764706 | 0.4 |
| BEX1 | 0.411764706 | 0.5 |
| FAM3D | 0.40625 | 0.1 |
| PLA2G2D | 0.40625 | 0.3 |
| C2orf88 | 0.38961039 | 0.4 |
| HAND2 | 0.388888889 | 0.3 |
| ANXA10 | 0.382352941 | 0.6 |
| C2orf88 | 0.375 | 0.3 |
| MLC1 | 0.366666667 | 0.1 |
| CD1E | 0.346153846 | 0.4 |
| PLA2G2D | 0.346153846 | 0.4 |
| MUC15 | 0.324675325 | 0.2 |
| ACTG2 | 0.3125 | 0.1 |