| Gene | Median hits in non-COVID | Median hits in COVID | Log2 Fold Change | SE of Log2 Fold Change | Adjusted p-Value |
| --- | --- | --- | --- | --- | --- |
| A4GALT | 3 | 4 | -2.51 | 0.7 | 0.008 |
| ABCC4 | 222 | 504.5 | -1.06 | 0.28 | 0.005 |
| ABCG2 | 12.5 | 13 | -1.31 | 0.45 | 0.033 |
| ABLIM3 | 191.5 | 762 | -1.08 | 0.28 | 0.005 |
| AC104389.5 | 322.5 | 183.5 | -1.54 | 0.54 | 0.035 |
| AC233755.1 | 1 | 11 | -1.73 | 0.64 | 0.048 |
| ACHE | 35.5 | 38.5 | -2.02 | 0.45 | 0.001 |
| ACKR2 | 3 | 10 | -1.76 | 0.39 | 0.001 |
| ADCY6 | 5.5 | 15 | -1.18 | 0.35 | 0.013 |
| ADIPOR1 | 13455.5 | 13449.5 | -1.27 | 0.31 | 0.003 |
| AK1 | 33 | 62.5 | -1.02 | 0.32 | 0.02 |
| AKR1C2 | 1.5 | 2.5 | -1.6 | 0.51 | 0.021 |
| AL049697.1 | 13.5 | 8 | 1.05 | 0.31 | 0.014 |
| AL162231.1 | 0 | 7 | -1.53 | 0.52 | 0.032 |
| ALAS2 | 30245.5 | 19921.5 | -1.68 | 0.46 | 0.007 |
| AMT | 2.5 | 5.5 | -1.08 | 0.35 | 0.026 |
| ANGPTL4 | 1.5 | 6 | -1.26 | 0.44 | 0.035 |
| ANK1 | 707.5 | 606.5 | -1.12 | 0.36 | 0.02 |
| ANXA8 | 1 | 8 | -1.27 | 0.47 | 0.048 |
| APOBEC2 | 4 | 8.5 | -1.49 | 0.4 | 0.006 |
| AQP1 | 113.5 | 86 | -1.16 | 0.35 | 0.014 |
| AQP10 | 152 | 329 | -1.16 | 0.32 | 0.008 |
| ARHGAP39 | 0 | 2.5 | -1.65 | 0.61 | 0.047 |
| ARHGEF37 | 38 | 29 | -1.24 | 0.35 | 0.009 |
| ASCC2 | 3231 | 2294 | -1.41 | 0.3 | 0.001 |
| ASIC1 | 1.5 | 2 | -1.52 | 0.51 | 0.028 |
| B4GALT3 | 596 | 984.5 | -1.01 | 0.25 | 0.003 |
| BABAM1 | 297.5 | 479 | -1.04 | 0.21 | 0.001 |
| BAG1 | 4624 | 3875 | -1.49 | 0.32 | 0.001 |
| BCL2L1 | 5427 | 5402 | -1.28 | 0.37 | 0.012 |
| BEST3 | 6.5 | 6 | -1.09 | 0.4 | 0.047 |
| BEX3 | 185 | 947.5 | -1.09 | 0.3 | 0.008 |
| BLVRB | 6845.5 | 5613 | -1.18 | 0.3 | 0.005 |
| BPGM | 1166 | 1362.5 | -1.19 | 0.41 | 0.035 |
| BRSK2 | 2 | 8 | -1.09 | 0.36 | 0.028 |
| BVES | 0 | 0 | -2.3 | 0.81 | 0.037 |
| C17orf99 | 13 | 20 | -1.93 | 0.42 | 0.001 |
| C19orf67 | 0 | 4 | -1.62 | 0.47 | 0.012 |
| C1orf116 | 25.5 | 48.5 | -1.07 | 0.38 | 0.037 |
| C1orf167 | 2 | 6 | -1.14 | 0.4 | 0.039 |
| C22orf15 | 2.5 | 11 | -1.2 | 0.39 | 0.024 |
| C2orf15 | 0.5 | 4.5 | -1.18 | 0.4 | 0.029 |
| C2orf88 | 636 | 2064 | -1.02 | 0.25 | 0.004 |
| C4B | 20.5 | 15 | -2.15 | 0.47 | 0.001 |
| C9orf153 | 3.5 | 4 | -1.48 | 0.5 | 0.031 |
| CA2 | 462.5 | 1303 | -1.01 | 0.29 | 0.009 |
| CA3 | 5.5 | 16.5 | -1.6 | 0.45 | 0.009 |
| CABP5 | 51 | 84 | -1.34 | 0.33 | 0.003 |
| CACNA1I | 70 | 175.5 | -1.06 | 0.27 | 0.005 |
| CAPN12 | 24.5 | 69 | -1.23 | 0.32 | 0.005 |
| CAPN5 | 134 | 73.5 | -1.23 | 0.33 | 0.006 |
| CASP5 | 500 | 283.5 | 1.19 | 0.31 | 0.005 |
| CCDC3 | 1.5 | 5 | -2.38 | 0.48 | 0.001 |
| CCDC34 | 18.5 | 59 | -1.11 | 0.25 | 0.001 |
| CCDC78 | 14.5 | 39 | -1.16 | 0.28 | 0.003 |
| CCER2 | 1 | 9 | -1.08 | 0.4 | 0.046 |
| CCR1 | 749.5 | 906.5 | 1.07 | 0.28 | 0.006 |
| CCR2 | 575 | 386.5 | 1.26 | 0.28 | 0.001 |
| CD274 | 133.5 | 246.5 | 1.09 | 0.3 | 0.009 |
| CDH1 | 5 | 7 | -1.72 | 0.41 | 0.002 |
| CEL | 3 | 16 | -1.23 | 0.35 | 0.009 |
| CFAP161 | 29 | 57 | -1.16 | 0.3 | 0.005 |
| CHIT1 | 75 | 260.5 | -1.27 | 0.39 | 0.015 |
| CHRNA2 | 14.5 | 38.5 | -1.1 | 0.35 | 0.02 |
| CHST8 | 20.5 | 138 | -1.34 | 0.38 | 0.011 |
| CIDEB | 3.5 | 3 | 1.08 | 0.34 | 0.021 |
| CKLF-CMTM1 | 13 | 11.5 | 1.34 | 0.31 | 0.002 |
| CLDN5 | 253.5 | 581.5 | -1.3 | 0.29 | 0.001 |
| CLU | 2885.5 | 9778.5 | -1.08 | 0.28 | 0.004 |
| CMTM1 | 47 | 82.5 | 1.06 | 0.27 | 0.004 |
| CNIH3 | 72.5 | 56 | -1.24 | 0.32 | 0.004 |
| CNN1 | 7 | 25 | -1.83 | 0.37 | 0.001 |
| CR1L | 111.5 | 68 | -1.23 | 0.36 | 0.011 |
| CRB1 | 1.5 | 2 | -1.72 | 0.61 | 0.038 |
| CREB3L1 | 0 | 1 | -2.79 | 0.74 | 0.006 |
| CSDC2 | 1 | 3 | -1.67 | 0.56 | 0.028 |
| CTNNAL1 | 109 | 233 | -1.15 | 0.29 | 0.004 |
| CTSE | 19.5 | 20 | -1.99 | 0.44 | 0.001 |
| CX3CR1 | 471 | 357.5 | 1.04 | 0.31 | 0.013 |
| CXCL2 | 9.5 | 18.5 | -1.23 | 0.36 | 0.012 |
| CXCL3 | 15.5 | 38.5 | -1.19 | 0.3 | 0.003 |
| CXXC4 | 0.5 | 3 | -1.88 | 0.52 | 0.008 |
| CYP2W1 | 0 | 1 | -2.81 | 0.62 | 0.001 |
| DCAF12 | 3230.5 | 2597 | -1.12 | 0.37 | 0.024 |
| DDAH1 | 0 | 3 | -1.8 | 0.51 | 0.01 |
| DDX58 | 805.5 | 1416 | 1.06 | 0.24 | 0.002 |
| DDX60 | 199 | 886.5 | 1.08 | 0.3 | 0.009 |
| DEFA1 | 31 | 77 | -1.61 | 0.55 | 0.031 |
| DGKI | 0 | 3 | -2.18 | 0.57 | 0.005 |
| DKK3 | 4 | 3 | -1.43 | 0.49 | 0.032 |
| DLC1 | 6 | 10 | 1.1 | 0.39 | 0.038 |
| DMTN | 17281.5 | 12462.5 | -1.18 | 0.33 | 0.009 |
| DNAI2 | 1.5 | 6.5 | -1.17 | 0.44 | 0.05 |
| DNAJC6 | 23.5 | 29.5 | -1.31 | 0.35 | 0.007 |
| DNM1 | 20.5 | 93 | -1.24 | 0.29 | 0.002 |
| DPCD | 114 | 117.5 | -1.2 | 0.31 | 0.005 |
| DPM2 | 1374 | 1118.5 | -1.3 | 0.3 | 0.002 |
| DYRK3 | 24.5 | 53.5 | -1.17 | 0.37 | 0.018 |
| ECSIT | 1145 | 1211.5 | -1.03 | 0.24 | 0.002 |
| EGFL7 | 131 | 515 | -1.07 | 0.29 | 0.008 |
| EHD2 | 7 | 20.5 | -1.2 | 0.3 | 0.004 |
| EIF2AK1 | 2153.5 | 4921.5 | -1.1 | 0.25 | 0.001 |
| ELOVL7 | 85.5 | 357.5 | -1.09 | 0.29 | 0.006 |
| EMID1 | 122.5 | 245.5 | -1.35 | 0.33 | 0.003 |
| EPB42 | 580 | 536.5 | -1.73 | 0.41 | 0.002 |
| ERFE | 32.5 | 27.5 | -1.81 | 0.53 | 0.012 |
| ERMAP | 143.5 | 273.5 | -1 | 0.25 | 0.003 |
| ESAM | 243 | 1367 | -1.06 | 0.32 | 0.014 |
| ESPN | 196.5 | 267 | -1.71 | 0.39 | 0.001 |
| EVPL | 9 | 8 | -1.7 | 0.42 | 0.003 |
| EXOC3L2 | 4 | 36.5 | -1.08 | 0.33 | 0.016 |
| F13A1 | 2621 | 6346 | -1.01 | 0.27 | 0.007 |
| F2RL3 | 28.5 | 104 | -1.01 | 0.28 | 0.009 |
| FAM107A | 0 | 6.5 | -1.62 | 0.48 | 0.013 |
| FAM166A | 0 | 7.5 | -2.67 | 0.6 | 0.001 |
| FAM198A | 16.5 | 21 | -1 | 0.34 | 0.03 |
| FAM210B | 4040 | 3185 | -1.47 | 0.38 | 0.004 |
| FAM83A | 18 | 2 | -2.8 | 0.78 | 0.009 |
| FAM83E | 0 | 2 | -1.62 | 0.56 | 0.034 |
| FAM83F | 15 | 10 | -1.64 | 0.44 | 0.006 |
| FAXDC2 | 790.5 | 1274.5 | -1.13 | 0.27 | 0.002 |
| FBXO7 | 9642.5 | 7965.5 | -1.46 | 0.34 | 0.002 |
| FECH | 495.5 | 458.5 | -1.25 | 0.39 | 0.019 |
| FFAR1 | 3.5 | 12.5 | -1.66 | 0.48 | 0.011 |
| FGF17 | 0 | 3 | -1.38 | 0.5 | 0.044 |
| FKBP1B | 54 | 55.5 | -1.12 | 0.32 | 0.011 |
| FKBP8 | 177380.5 | 139549.5 | -1.11 | 0.41 | 0.047 |
| FLT4 | 23.5 | 44.5 | -1.02 | 0.33 | 0.022 |
| FOLR3 | 615 | 1033.5 | -1.13 | 0.42 | 0.046 |
| FOXJ1 | 3 | 5 | -1.2 | 0.39 | 0.023 |
| FPR2 | 2483.5 | 3031 | 1.1 | 0.29 | 0.005 |
| FRMD4A | 49.5 | 83 | -1.57 | 0.3 | 0 |
| FSTL1 | 28.5 | 180 | -1.39 | 0.32 | 0.002 |
| FUNDC2 | 1613 | 1533.5 | -1.13 | 0.27 | 0.002 |
| FUT1 | 0 | 3 | -2.06 | 0.56 | 0.007 |
| GABRD | 3 | 9 | -1.26 | 0.47 | 0.048 |
| GADD45G | 111.5 | 422 | -1.25 | 0.29 | 0.002 |
| GALR2 | 3 | 9.5 | -1.36 | 0.33 | 0.002 |
| GAS2L1 | 674.5 | 2118.5 | -1.01 | 0.28 | 0.009 |
| GATA1 | 880 | 974.5 | -1.23 | 0.3 | 0.003 |
| GBGT1 | 413 | 455.5 | -1.09 | 0.2 | 0 |
| GCAT | 53 | 56 | -1.66 | 0.32 | 0 |
| GCOM1 | 10 | 38 | -1.88 | 0.37 | 0 |
| GFI1B | 360 | 913 | -1.05 | 0.26 | 0.003 |
| GJB6 | 37 | 35 | -1.39 | 0.37 | 0.006 |
| GLRX5 | 1689 | 1878 | -1.54 | 0.36 | 0.002 |
| GMPR | 1164.5 | 1542.5 | -1.35 | 0.33 | 0.003 |
| GNAS | 17980.5 | 32921.5 | -1 | 0.23 | 0.002 |
| GNG8 | 11 | 66 | -1.07 | 0.31 | 0.012 |
| GP9 | 597.5 | 1718 | -1.16 | 0.29 | 0.003 |
| GPR137C | 0 | 2.5 | -2.02 | 0.61 | 0.015 |
| GPR146 | 120.5 | 106 | -1.49 | 0.4 | 0.007 |
| GPR88 | 2 | 5 | -1.3 | 0.44 | 0.03 |
| GRASP | 112 | 312 | -1.12 | 0.33 | 0.012 |
| GSPT1 | 2029.5 | 2283.5 | -1.23 | 0.35 | 0.01 |
| GUK1 | 35518 | 29248.5 | -1.14 | 0.36 | 0.021 |
| GYPC | 30540.5 | 21701 | -1.47 | 0.37 | 0.003 |
| GYPE | 14 | 24 | -1.04 | 0.36 | 0.036 |
| HACD1 | 33 | 45 | -1.09 | 0.31 | 0.009 |
| HBG2 | 154.5 | 218 | -1.65 | 0.56 | 0.031 |
| HBM | 8153 | 10579 | -1.12 | 0.36 | 0.021 |
| HBQ1 | 2977.5 | 3238.5 | -1.1 | 0.33 | 0.015 |
| HEATR9 | 4 | 11 | -1.26 | 0.37 | 0.012 |
| HEMGN | 806 | 730 | -1.24 | 0.37 | 0.014 |
| HEPACAM2 | 30 | 19 | -1.75 | 0.47 | 0.007 |
| HERC5 | 239 | 1092.5 | 1.16 | 0.34 | 0.011 |
| HGD | 60.5 | 96 | -1.03 | 0.3 | 0.01 |
| HIST1H1B | 1 | 63 | -1.8 | 0.58 | 0.023 |
| HIST1H1E | 17.5 | 199.5 | -2.13 | 0.47 | 0.001 |
| HIST1H2AB | 0 | 9 | -1.82 | 0.52 | 0.011 |
| HIST1H2AH | 0 | 44.5 | -1.88 | 0.66 | 0.038 |
| HIST1H2AL | 2.5 | 9.5 | -1.6 | 0.42 | 0.005 |
| HIST1H2BO | 14.5 | 163.5 | -1.35 | 0.43 | 0.022 |
| HIST1H3A | 7 | 38 | -1.47 | 0.4 | 0.007 |
| HIST1H3E | 9.5 | 25 | 1.14 | 0.3 | 0.005 |
| HIST1H4C | 9 | 36 | -1.3 | 0.41 | 0.021 |
| HIST2H2AB | 2.5 | 79.5 | -1.81 | 0.58 | 0.021 |
| HIST2H2AC | 97.5 | 292 | -1.58 | 0.34 | 0.001 |
| HIST3H2A | 156 | 318.5 | -1.38 | 0.3 | 0.001 |
| HIST3H2BB | 6 | 12 | -1.25 | 0.36 | 0.01 |
| HMBS | 495 | 835.5 | -1.43 | 0.3 | 0.001 |
| HOMER2 | 66 | 123.5 | -1.28 | 0.27 | 0.001 |
| HPGD | 226.5 | 232.5 | 1.28 | 0.37 | 0.01 |
| HRASLS | 14.5 | 43 | -1.4 | 0.34 | 0.003 |
| HRK | 7.5 | 12.5 | 1.38 | 0.46 | 0.029 |
| HSPB1 | 394 | 997 | -1.42 | 0.29 | 0.001 |
| HSPB6 | 0 | 3 | -1.47 | 0.53 | 0.044 |
| HTR2A | 4 | 7 | -1.47 | 0.42 | 0.01 |
| IFI16 | 5495 | 5925 | 1.02 | 0.22 | 0.001 |
| IFIT1 | 1332.5 | 3244 | 1.78 | 0.4 | 0.001 |
| IFIT1B | 396 | 311 | -1.66 | 0.44 | 0.006 |
| IFIT2 | 2451 | 3742.5 | 1.76 | 0.33 | 0 |
| IFIT3 | 1251 | 6545.5 | 1.17 | 0.39 | 0.025 |
| IFIT5 | 387 | 682.5 | 1.22 | 0.27 | 0.001 |
| IGF2BP2 | 352.5 | 375 | -1.29 | 0.37 | 0.01 |
| IL1B | 320.5 | 238.5 | 1.26 | 0.27 | 0.001 |
| IL1RL1 | 56 | 59.5 | 1.38 | 0.36 | 0.005 |
| INHBE | 5 | 18.5 | -1.03 | 0.31 | 0.017 |
| ITGB5 | 249 | 1077 | -1.1 | 0.29 | 0.006 |
| KANK2 | 87.5 | 77.5 | -1.09 | 0.39 | 0.042 |
| KCND3 | 7 | 22 | -1.26 | 0.35 | 0.009 |
| KCNJ2 | 451 | 629 | 1.07 | 0.28 | 0.005 |
| KCNN1 | 2 | 3 | -1.33 | 0.49 | 0.048 |
| KEL | 111 | 178.5 | -1.51 | 0.34 | 0.002 |
| KIAA1551 | 9373.5 | 8110.5 | 1.04 | 0.25 | 0.002 |
| KLC3 | 392 | 158 | -1.37 | 0.44 | 0.022 |
| KLHDC8A | 27 | 96.5 | -1.35 | 0.35 | 0.004 |
| KRT1 | 761.5 | 266.5 | -1.43 | 0.46 | 0.021 |
| KRT18 | 7.5 | 32.5 | -1.17 | 0.32 | 0.007 |
| KRT79 | 3.5 | 4 | -2.18 | 0.68 | 0.018 |
| KRT8 | 5 | 17 | -1.13 | 0.31 | 0.007 |
| LAMC3 | 2 | 12 | -1.32 | 0.42 | 0.021 |
| LAT | 10 | 19.5 | -1.19 | 0.31 | 0.005 |
| LBX2 | 0.5 | 9 | -1.29 | 0.4 | 0.017 |
| LCA5 | 2.5 | 3.5 | -1.39 | 0.45 | 0.022 |
| LGALS3 | 2753 | 2833.5 | -1.01 | 0.28 | 0.009 |
| LRRC2 | 12.5 | 9.5 | -1.41 | 0.46 | 0.024 |
| LRRC32 | 8 | 21 | -1.04 | 0.31 | 0.015 |
| LRRC70 | 34.5 | 18.5 | 1.33 | 0.37 | 0.008 |
| LRRC71 | 0 | 6.5 | -2.27 | 0.54 | 0.002 |
| LY6G6E | 20 | 83.5 | -1.12 | 0.32 | 0.009 |
| LY6G6F | 51.5 | 121 | -1.28 | 0.28 | 0.001 |
| MAFA | 5.5 | 11.5 | -1.08 | 0.34 | 0.021 |
| MAOB | 8 | 32 | -1.41 | 0.42 | 0.013 |
| MAP2 | 3 | 15.5 | -1.3 | 0.43 | 0.028 |
| MBNL3 | 1414 | 1038 | -1.25 | 0.36 | 0.01 |
| MEST | 20 | 68.5 | -1.09 | 0.32 | 0.013 |
| MFSD2B | 286 | 323 | -1.07 | 0.3 | 0.01 |
| MGAM2 | 124.5 | 111.5 | 1.51 | 0.37 | 0.003 |
| MIOX | 0 | 4 | -1.64 | 0.51 | 0.018 |
| MPL | 8 | 25.5 | -1.03 | 0.31 | 0.014 |
| MRC2 | 160.5 | 103.5 | -1.12 | 0.35 | 0.017 |
| MTRNR2L12 | 9.5 | 9 | -1.5 | 0.37 | 0.004 |
| MYCN | 0 | 2 | -1.76 | 0.56 | 0.02 |
| MYEOV | 31.5 | 49 | -1.36 | 0.35 | 0.004 |
| MYL4 | 3435 | 2745 | -1.11 | 0.36 | 0.024 |
| MYL9 | 1094.5 | 3844.5 | -1.36 | 0.33 | 0.003 |
| MYLK | 143.5 | 767.5 | -1.1 | 0.3 | 0.006 |
| MYZAP | 7.5 | 62.5 | -2.07 | 0.38 | 0 |
| NEDD4L | 212 | 330 | -1.08 | 0.29 | 0.007 |
| NFIB | 2 | 7 | -1.54 | 0.45 | 0.013 |
| NFIX | 538.5 | 373.5 | -1.25 | 0.36 | 0.011 |
| NMNAT3 | 22.5 | 62.5 | -1.06 | 0.3 | 0.009 |
| NOSTRIN | 0 | 2 | -1.92 | 0.54 | 0.009 |
| NPHP1 | 1 | 3 | -1.38 | 0.47 | 0.032 |
| NPIPA7 | 5.5 | 11.5 | -1.03 | 0.35 | 0.03 |
| NPPA | 3 | 8 | -1.6 | 0.43 | 0.007 |
| NPR3 | 4 | 8 | -1.13 | 0.42 | 0.048 |
| NPRL3 | 3843 | 4651.5 | -1.42 | 0.31 | 0.001 |
| NRGN | 8937.5 | 21363 | -1.11 | 0.28 | 0.004 |
| NTN1 | 3 | 6 | -1.22 | 0.45 | 0.045 |
| OAS2 | 517.5 | 2208 | 1.13 | 0.32 | 0.009 |
| OAS3 | 408 | 2645.5 | 1.06 | 0.36 | 0.033 |
| OBSL1 | 5.5 | 12 | -1.22 | 0.36 | 0.012 |
| ODF3 | 4 | 14.5 | -1.07 | 0.38 | 0.037 |
| OLFM4 | 70 | 229 | 1.49 | 0.55 | 0.046 |
| OPTN | 3567.5 | 2724 | -1.21 | 0.3 | 0.003 |
| OR2B6 | 8.5 | 96 | -1.49 | 0.45 | 0.015 |
| OSBP2 | 1748.5 | 1136 | -1.14 | 0.4 | 0.036 |
| OSBPL6 | 10 | 12.5 | -1.08 | 0.39 | 0.04 |
| PAQR9 | 17 | 12.5 | -1.48 | 0.48 | 0.022 |
| PARD3B | 1 | 1 | -1.52 | 0.52 | 0.031 |
| PBX1 | 182 | 232 | -1.09 | 0.29 | 0.006 |
| PCGF5 | 2770.5 | 3574 | -1.13 | 0.27 | 0.003 |
| PCP2 | 26.5 | 137.5 | -1.04 | 0.26 | 0.003 |
| PCSK1N | 171.5 | 115 | -1.07 | 0.35 | 0.025 |
| PCSK6 | 140.5 | 427 | -1.09 | 0.28 | 0.005 |
| PCYT1B | 26.5 | 122 | -1.04 | 0.32 | 0.016 |
| PDGFRA | 4 | 10 | -1.74 | 0.37 | 0.001 |
| PDK4 | 296.5 | 135.5 | 1.02 | 0.25 | 0.003 |
| PDZK1IP1 | 3336.5 | 1516.5 | -1.25 | 0.38 | 0.015 |
| PERM1 | 2.5 | 8.5 | -1.07 | 0.39 | 0.046 |
| PF4 | 2467 | 9622 | -1.09 | 0.3 | 0.008 |
| PF4V1 | 140 | 124.5 | -1.08 | 0.35 | 0.022 |
| PGF | 8 | 14.5 | -1.59 | 0.36 | 0.001 |
| PGRMC1 | 854.5 | 3640.5 | -1.12 | 0.28 | 0.003 |
| PHOSPHO1 | 14677 | 13289 | -1.01 | 0.31 | 0.015 |
| PHOX2A | 0 | 0.5 | -2.06 | 0.75 | 0.045 |
| PIGC | 753 | 707.5 | -1.1 | 0.31 | 0.009 |
| PIP5KL1 | 10.5 | 23.5 | -1.18 | 0.31 | 0.006 |
| PKD1L3 | 6.5 | 9.5 | -1.27 | 0.46 | 0.041 |
| PLA2G4B | 3 | 12 | -1.2 | 0.37 | 0.016 |
| PLEK2 | 136 | 159.5 | -1.99 | 0.36 | 0 |
| PLEKHD1 | 0 | 9 | -1.39 | 0.46 | 0.025 |
| PLEKHH2 | 0 | 1.5 | -1.73 | 0.63 | 0.043 |
| PLVAP | 137 | 80.5 | -2.1 | 0.43 | 0.001 |
| PNP | 714 | 1122.5 | -1.04 | 0.31 | 0.014 |
| POLL | 1416 | 1129.5 | -1.12 | 0.29 | 0.004 |
| POLR1D | 2016.5 | 2509.5 | -1.1 | 0.25 | 0.001 |
| PPIAL4C | 0 | 1 | -2.04 | 0.69 | 0.029 |
| PPP1R14A | 99 | 252.5 | -1.16 | 0.3 | 0.004 |
| PPP1R27 | 2 | 8.5 | -1.43 | 0.41 | 0.011 |
| PRDM5 | 266.5 | 103 | 1.13 | 0.33 | 0.011 |
| PRDM7 | 1 | 3 | -1.6 | 0.55 | 0.034 |
| PRDX6 | 2232 | 4013.5 | -1.14 | 0.25 | 0.001 |
| PRKAR1B | 220.5 | 653 | -1.04 | 0.26 | 0.003 |
| PRKG1 | 4.5 | 18 | -1.26 | 0.39 | 0.018 |
| PRR36 | 0 | 2 | -2.25 | 0.53 | 0.002 |
| PSMF1 | 2717 | 3086.5 | -1.27 | 0.26 | 0.001 |
| PTCRA | 311.5 | 1393 | -1.18 | 0.3 | 0.004 |
| PTMS | 858 | 1203.5 | -1.13 | 0.27 | 0.003 |
| PTPRN | 57 | 98 | -1.66 | 0.34 | 0.001 |
| PXDN | 0 | 3.5 | -1.93 | 0.59 | 0.016 |
| PZP | 11 | 14 | -1.24 | 0.36 | 0.012 |
| RAB26 | 0 | 3 | -1.69 | 0.51 | 0.015 |
| RAD23A | 911.5 | 1466.5 | -1.01 | 0.24 | 0.002 |
| RANBP10 | 916 | 929 | -1.1 | 0.28 | 0.005 |
| RAP1GAP | 374.5 | 191.5 | -2.15 | 0.52 | 0.003 |
| RASD1 | 7.5 | 18.5 | -1.59 | 0.37 | 0.002 |
| RGS6 | 96.5 | 224 | -1.01 | 0.26 | 0.005 |
| RHAG | 32.5 | 41 | -1.41 | 0.43 | 0.015 |
| RHCE | 24 | 54 | -1.57 | 0.38 | 0.003 |
| RILP | 1980 | 1926.5 | -1.17 | 0.27 | 0.002 |
| RIPOR3 | 112.5 | 204.5 | -1.02 | 0.26 | 0.004 |
| RND1 | 1 | 7 | -1.11 | 0.41 | 0.046 |
| RNF152 | 4 | 6 | -1.94 | 0.46 | 0.002 |
| RPRM | 0 | 0 | -2.72 | 0.88 | 0.023 |
| RSAD2 | 171.5 | 1649 | 1.36 | 0.43 | 0.02 |
| RTP4 | 54 | 136 | 1.09 | 0.32 | 0.011 |
| RUNDC3A | 1754.5 | 1740.5 | -1.54 | 0.36 | 0.002 |
| RYR2 | 10 | 26 | -1.62 | 0.4 | 0.003 |
| SAMD9 | 2573 | 2196 | 1.2 | 0.25 | 0.001 |
| SAMD9L | 2061 | 2458 | 1.28 | 0.25 | 0 |
| SCGB1C2 | 4.5 | 16.5 | -1.13 | 0.41 | 0.042 |
| SCGB3A1 | 5 | 3.5 | -2.3 | 0.64 | 0.009 |
| SCX | 5 | 22 | -1.25 | 0.37 | 0.014 |
| SDK1 | 4.5 | 7.5 | -1.25 | 0.47 | 0.05 |
| SEC14L2 | 15.5 | 84 | -1.04 | 0.35 | 0.03 |
| SEC14L3 | 34 | 24 | -1.56 | 0.43 | 0.008 |
| SELENBP1 | 2223.5 | 1270.5 | -1.2 | 0.44 | 0.046 |
| SERF2 | 12276.5 | 15924 | -1.06 | 0.24 | 0.001 |
| SERPINE2 | 11.5 | 58 | -1.06 | 0.35 | 0.027 |
| SFRP2 | 29 | 22 | -1.66 | 0.45 | 0.007 |
| SGCA | 2 | 4 | -1.75 | 0.46 | 0.006 |
| SGIP1 | 17 | 22.5 | -1.49 | 0.46 | 0.017 |
| SHC2 | 4 | 3 | -1.63 | 0.48 | 0.014 |
| SHISA4 | 347 | 71.5 | -1.71 | 0.46 | 0.006 |
| SKIDA1 | 0 | 4.5 | -1.82 | 0.45 | 0.003 |
| SLC14A1 | 294 | 205 | -1.49 | 0.41 | 0.007 |
| SLC1A5 | 1053 | 1235.5 | -1.44 | 0.32 | 0.001 |
| SLC22A23 | 133.5 | 200 | -1.1 | 0.27 | 0.003 |
| SLC25A37 | 84868.5 | 72770 | -1.02 | 0.35 | 0.031 |
| SLC25A38 | 252 | 521 | -1.09 | 0.22 | 0.001 |
| SLC25A39 | 63408 | 36137.5 | -1.23 | 0.38 | 0.018 |
| SLC29A4 | 2 | 9 | -1.17 | 0.41 | 0.035 |
| SLC2A4 | 24 | 14.5 | -1.36 | 0.5 | 0.049 |
| SLC38A5 | 1620 | 1855 | -1.31 | 0.3 | 0.002 |
| SLC4A11 | 0.5 | 10.5 | -1.32 | 0.45 | 0.029 |
| SLC6A8 | 1650 | 981.5 | -1.42 | 0.4 | 0.009 |
| SLC6A9 | 57.5 | 42.5 | -1.49 | 0.41 | 0.008 |
| SLC8A3 | 8.5 | 40 | -1.02 | 0.37 | 0.047 |
| SMIM24 | 122 | 315 | -2.15 | 0.38 | 0 |
| SMOX | 1054.5 | 3145.5 | -1.22 | 0.31 | 0.004 |
| SNCA | 3245 | 1623.5 | -1.51 | 0.43 | 0.009 |
| SORBS1 | 7 | 16 | -1.39 | 0.36 | 0.005 |
| SOX6 | 44 | 44.5 | -1.14 | 0.33 | 0.012 |
| SPARC | 2091.5 | 10916.5 | -1.1 | 0.3 | 0.008 |
| SPATS2L | 47 | 378.5 | 1.03 | 0.36 | 0.035 |
| SPOCD1 | 84.5 | 264 | -1.22 | 0.3 | 0.003 |
| SPRN | 8 | 24 | -1.06 | 0.33 | 0.018 |
| SPTA1 | 48.5 | 62.5 | -1.1 | 0.4 | 0.045 |
| SRCIN1 | 0 | 3 | -1.57 | 0.52 | 0.026 |
| SRRD | 152 | 231.5 | -1.01 | 0.25 | 0.003 |
| ST13 | 2155.5 | 2292 | -1.03 | 0.23 | 0.001 |
| STRADB | 2264.5 | 1395 | -1.79 | 0.39 | 0.001 |
| STYK1 | 8 | 12 | -1.17 | 0.38 | 0.022 |
| TAL1 | 639 | 775 | -1.23 | 0.3 | 0.003 |
| TBC1D22B | 255 | 402 | -1.12 | 0.24 | 0.001 |
| TBXA2R | 58 | 319.5 | -1.02 | 0.28 | 0.008 |
| TECTA | 7.5 | 12 | -1.05 | 0.33 | 0.02 |
| TENT5C | 1114 | 1431.5 | -1.17 | 0.35 | 0.013 |
| TESC | 3169.5 | 2193.5 | -1.38 | 0.33 | 0.002 |
| TEX14 | 4 | 8 | -1.04 | 0.37 | 0.038 |
| TEX54 | 0 | 6 | -1.74 | 0.51 | 0.013 |
| TGFB1I1 | 62 | 127.5 | -1.03 | 0.28 | 0.007 |
| TGFBR3L | 6 | 8 | -1.45 | 0.38 | 0.005 |
| TIMP3 | 0 | 9 | -1.47 | 0.53 | 0.043 |
| TLN2 | 6 | 18.5 | -1.28 | 0.36 | 0.009 |
| TLR7 | 85.5 | 83.5 | 1.02 | 0.25 | 0.003 |
| TLR8 | 1778 | 1998.5 | 1.21 | 0.29 | 0.003 |
| TM4SF1 | 2 | 4.5 | -1.2 | 0.44 | 0.046 |
| TMC5 | 53.5 | 54 | -1.52 | 0.32 | 0.001 |
| TMEM132A | 9.5 | 16.5 | -1.01 | 0.32 | 0.021 |
| TMEM252 | 4 | 9 | 1.26 | 0.39 | 0.018 |
| TMEM37 | 0 | 1 | -2.15 | 0.61 | 0.01 |
| TMEM63B | 359.5 | 542.5 | -1.06 | 0.22 | 0.001 |
| TMEM98 | 0.5 | 2 | -2.09 | 0.61 | 0.012 |
| TMOD1 | 238.5 | 192 | -1.97 | 0.41 | 0.001 |
| TMPRSS9 | 123 | 163.5 | -1.52 | 0.37 | 0.003 |
| TNFAIP6 | 1470.5 | 924.5 | 1.43 | 0.31 | 0.001 |
| TNFSF10 | 3429.5 | 4443 | 1.12 | 0.25 | 0.001 |
| TNNC2 | 44 | 114.5 | -1.36 | 0.32 | 0.002 |
| TNS1 | 919.5 | 635.5 | -1.43 | 0.4 | 0.009 |
| TP53TG3 | 0 | 1 | -1.93 | 0.66 | 0.031 |
| TPGS2 | 1108 | 1005 | -1.1 | 0.33 | 0.015 |
| TPM1 | 206 | 621 | -1.03 | 0.24 | 0.002 |
| TPTEP2-CSNK1E | 0 | 1.5 | -1.99 | 0.63 | 0.02 |
| TREML1 | 812 | 2731 | -1.09 | 0.3 | 0.008 |
| TRHDE | 1.5 | 3.5 | -1.5 | 0.5 | 0.027 |
| TRIM10 | 136.5 | 169.5 | -1.66 | 0.33 | 0.001 |
| TRIM58 | 1912.5 | 1451 | -1.06 | 0.37 | 0.034 |
| TSNAXIP1 | 3 | 7 | -1.26 | 0.4 | 0.022 |
| TSPAN5 | 635 | 392.5 | -1.46 | 0.37 | 0.004 |
| TSPAN7 | 5.5 | 5 | -1.58 | 0.55 | 0.036 |
| TSPO2 | 51.5 | 50.5 | -1.14 | 0.41 | 0.043 |
| TSTA3 | 3722 | 1929.5 | -1.16 | 0.37 | 0.02 |
| TTC39A | 32 | 53 | -1.03 | 0.28 | 0.007 |
| TUBA4B | 7 | 21 | -1.13 | 0.34 | 0.014 |
| TUBA8 | 8.5 | 29.5 | -1.29 | 0.32 | 0.003 |
| TUBB2A | 278.5 | 184 | -1.17 | 0.41 | 0.036 |
| TUBB2B | 8.5 | 6 | -1.85 | 0.52 | 0.009 |
| UBA52 | 71295.5 | 59392.5 | -1.22 | 0.37 | 0.014 |
| UBB | 11518 | 12480 | -2.08 | 0.36 | 0 |
| UBXN6 | 26933 | 23367 | -1.13 | 0.31 | 0.009 |
| UTS2R | 0 | 1 | -1.83 | 0.63 | 0.032 |
| VEGFC | 4 | 20.5 | -1.27 | 0.35 | 0.009 |
| VIL1 | 36 | 112.5 | -1.15 | 0.32 | 0.008 |
| VPS37D | 1.5 | 5 | -1.24 | 0.43 | 0.034 |
| VSIG2 | 182 | 446.5 | -1.13 | 0.27 | 0.002 |
| VWCE | 399 | 245 | -1.31 | 0.4 | 0.015 |
| WWC1 | 4.5 | 14.5 | -1.38 | 0.37 | 0.007 |
| XAF1 | 167 | 550.5 | 1.04 | 0.33 | 0.02 |
| XIRP2 | 2.5 | 9.5 | -1.22 | 0.41 | 0.028 |
| XK | 265.5 | 618 | -1.01 | 0.31 | 0.017 |
| YBX3 | 8865 | 7478.5 | -1.32 | 0.38 | 0.01 |
| YPEL4 | 59 | 123.5 | -1.75 | 0.38 | 0.001 |
| Z82206.1 | 59 | 156.5 | -1.19 | 0.28 | 0.002 |
| ZNF19 | 4.5 | 9.5 | -1.04 | 0.33 | 0.021 |
| ZNF385C | 5.5 | 12 | -1.11 | 0.31 | 0.008 |
| ZNF385D | 13.5 | 49 | -1.08 | 0.35 | 0.024 |
| ZNF684 | 53.5 | 103 | 1.12 | 0.26 | 0.002 |

Table 4: differentially expressed genes in any diabetes mellites (DM) vs non-DM.