**Table 1). Replicative Senescence RNA-Sequencing**

|  |  |  |
| --- | --- | --- |
| **gene** | **log2(fold\_change)** | **p\_value** |
| CLSTN2 | 8.0708000000000002 | 0.003725 |
| PDGFB | 3.8015300000000001 | 0 |
| ANGPTL4 | 3.3547600000000002 | 0 |
| CXCL10 | 3.2958400000000001 | 0.000241 |
| ICAM4 | 2.9685800000000002 | 2.61E-09 |
| WNT9A | 2.7354599999999998 | 0.000117 |
| DNER | 2.7349999999999999 | 1.25E-10 |
| PCDH1 | 2.7253699999999998 | 0 |
| GALNT3 | 2.44896 | 3.19E-12 |
| CXADR | 2.3281800000000001 | 1.4E-07 |
| KYNU | 2.2401 | 9.95E-13 |
| PTX3 | 2.1074099999999998 | 0 |
| ITGA11 | 1.7104900000000001 | 0 |
| IDS | 1.45516 | 0 |
| CD4 | 1.3685 | 0 |
| TNFRSF11B | 1.34076 | 0 |
| IL6 | 1.2490699999999999 | 5.72E-07 |
| PTPRM | 1.22367 | 0 |
| LGMN | 1.20055 | 0 |
| BCR | 1.08894 | 0 |
| NME3 | 1.02779 | 1.09E-10 |
| TIMP3 | 0.96196099999999996 | 0 |
| HPCAL1 | 0.93902600000000003 | 6.66E-15 |
| TPP1 | 0.89812000000000003 | 0 |
| ANGPTL2 | 0.88547100000000001 | 0 |
| LTBR | 0.86799999999999999 | 0 |
| IL32 | 0.86063699999999999 | 2.72E-05 |
| IFNGR1 | 0.78660300000000005 | 0 |
| MGLL | 0.77324000000000004 | 1.42E-14 |
| NUB1 | 0.73704000000000003 | 0 |
| BTN2A1 | 0.72452300000000003 | 8.63E-13 |
| ADA | 0.71689199999999997 | 0.002801 |
| SIRPB1 | 0.62511300000000003 | 0.004652 |
| SCRN1 | 0.60159899999999999 | 6.16E-10 |
| BSG | 0.49475799999999998 | 6.42E-14 |
| TANK | 0.48031400000000002 | 0.00261 |
| RAB6A | 0.47419099999999997 | 5.45E-09 |
| BID | 0.47299099999999999 | 0.000262 |
| CKAP4 | 0.45071899999999998 | 7.7E-08 |
| PRDX5 | 0.42529299999999998 | 0.001232 |
| FIS1 | 0.37267800000000001 | 0.000219 |
| HEXIM1 | 0.37231599999999998 | 7.38E-06 |
| F2R | 0.34240199999999998 | 1.27E-05 |
| BACH1 | 0.33289200000000002 | 0.000541 |
| ARNT | 0.33219799999999999 | 0.000373 |
| B4GALT1 | 0.29625400000000002 | 2.13E-06 |
| YTHDF3 | 0.28680099999999997 | 7.68E-05 |
| JUN | 0.27312700000000001 | 1.39E-05 |
| HGF | 0.23108000000000001 | 0.007782 |
| DNAJA2 | 0.22871 | 0.000511 |
| CRKL | 0.216951 | 0.000506 |
| SKAP2 | -0.21268200000000001 | 0.01298 |
| FGF5 | -0.312282 | 0.001193 |
| CEP164 | -0.36982799999999999 | 9.94E-05 |
| MATN2 | -0.51717999999999997 | 2.14E-06 |
| PNPT1 | -0.54511699999999996 | 2.2E-06 |
| NBN | -0.66077600000000003 | 4.75E-12 |
| PARP1 | -0.87828300000000004 | 0 |
| CASP2 | -1.17421 | 7.91E-12 |
| PSIP1 | -1.2678199999999999 | 0 |
| FST | -1.66476 | 0 |
| MAP2K6 | -2.3122199999999999 | 0.000108 |
| SHMT1 | -3.05071 | 5.87E-11 |
| CXCL12 | -3.8684099999999999 | 1.98E-06 |

**Table 2). Oncogenic Induce Senescence RNA-Sequencing**

|  |  |  |
| --- | --- | --- |
| **gene** | **log2(fold\_change)** | **p\_value** |
| BSG | 1.1547799999999999 | 0 |
| PRDX5 | 0.92008699999999999 | 1.82E-11 |
| PTX3 | 2.06704 | 0 |
| HPCAL1 | 3.2261899999999999 | 0 |
| HGF | 0.83130400000000004 | 0 |
| TIMP3 | 0.86392899999999995 | 0 |
| F2R | 0.81814600000000004 | 0 |
| CKAP4 | 0.27935700000000002 | 0.000267799 |
| VEGF | 2.0479699999999998 | 0 |
| ATPIF1 | 0.86714400000000003 | 0.0000984 |
| TNFRSF11B | 1.8616900000000001 | 0 |
| ITGA11 | 2.3034599999999998 | 0 |
| MGLL | 0.90335299999999996 | 0 |
| RAB6A | 0.67363300000000004 | 0 |
| SCRN1 | 0.55092600000000003 | 4.44E-16 |
| IDS | 1.7646900000000001 | 0 |
| PRDX6 | -0.25145299999999998 | 0.00105803 |
| BACH1 | 0.88778699999999999 | 0 |
| TPP1 | 2.0387599999999999 | 0 |
| FIS1 | 0.489286 | 0.000789824 |
| ANGPTL4 | 3.3768199999999999 | 0 |
| LTBR | 0.59215099999999998 | 4.85E-11 |
| B4GALT1 | 0.26134400000000002 | 0.0000874 |
| NME3 | 2.0472100000000002 | 0 |
| JUN | 0.30569099999999999 | 0.0000376 |
| YTHDF3 | 0.52421600000000002 | 2.28E-08 |
| CRKL | 0.52346400000000004 | 6.66E-16 |
| DNAJA2 | 0.37015399999999998 | 0.00000436 |
| IL6 | 2.50223 | 1.53E-14 |
| BTN2A1 | 0.417493 | 0.0103936 |
| PSIP1 | -0.30895600000000001 | 0.00589083 |
| BID | 0.63068999999999997 | 0.00483127 |
| IFNGR1 | 0.70924299999999996 | 0.00000161 |
| PTPRM | 0.83719699999999997 | 2E-15 |
| IL32 | 0.65369999999999995 | 0.0189534 |
| TANK | 0.98394499999999996 | 0.000012 |
| ARNT | 1.0162599999999999 | 0 |
| PARP1 | -1.13113 | 0 |
| BCR | 0.82033800000000001 | 0.000000463 |
| ANGPTL2 | 0.86080000000000001 | 2.44E-15 |
| HEXIM1 | 0.72248599999999996 | 4.52E-12 |
| LGMN | 0.53599399999999997 | 0.00209147 |
| NUB1 | 0.29943500000000001 | 0.0105484 |
| CD4 | 1.22818 | 0 |
| ADA | 2.6343299999999998 | 0 |
| FGF5 | -1.6739900000000001 | 2.89E-15 |
| KYNU | 2.3086199999999999 | 0.000000107 |
| CXADR | 4.1621499999999996 | 1.64E-12 |
| GALNT3 | 3.9205700000000001 | 0 |
| NBN | -1.1204499999999999 | 2.89E-15 |
| PDGFB | 2.0891999999999999 | 7.17E-09 |
| CLSTN2 | 6.4753100000000003 | 0 |
| CXCL10 | 2.41248 | 0.0200207 |
| PCDH1 | 2.1112000000000002 | 0 |
| SIRPB1 | 1.06046 | 0.00253321 |
| CASP2 | -1.62588 | 0.00000119 |
| DNER | 4.3630699999999996 | 0 |
| CEP164 | -0.70155599999999996 | 8.49E-08 |
| SKAP2 | -0.54922400000000005 | 0.000117921 |
| ICAM4 | 2.7762099999999998 | 0.0001223 |
| PNPT1 | -1.97827 | 0 |
| FST | -3.6502500000000002 | 0 |
| WNT9A | 4.7502800000000001 | 0.0000738 |
| SHMT1 | -3.2932800000000002 | 0.00000216 |
| MATN2 | -2.6844800000000002 | 0.00000112 |
| MAP2K6 | -4.9718600000000004 | 0.0119762 |
| CXCL12 | -1.79769e+308 | 2.94E-15 |

**Table 3). Age Less than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean.Less.than.50** | **Mean.Greater.** | **Log2FC** |
| ARNT | 0.529064 | -0.6316 | 101.6453 | -1.90841 | -1.97927 | -0.07086 |
| CEP164 | 0.655384 | -0.44789 | 83.8707 | 0.195848 | 0.125717 | -0.07013 |
| NBN | 0.071325 | 1.821825 | 105.1377 | 0.189056 | 0.584514 | 0.395459 |
| PNPT1 | 0.660265 | -0.44084 | 101.7875 | 1.950298 | 1.848123 | -0.10217 |
| WNT9A | 1E-13 | 8.487698 | 111.7847 | -0.23783 | 0.357694 | 0.595525 |
| CXCL12 | 0.300907 | 1.039037 | 118.261 | 2.412713 | 2.507623 | 0.09491 |
| GALNT3 | 0.62949 | 0.483731 | 115.8502 | 0.249988 | 0.295541 | 0.045552 |
| TANK | 0.92179 | -0.09841 | 108.0457 | 2.549862 | 2.531104 | -0.01876 |
| YTHDF3 | 0.580494 | 0.554338 | 107.9398 | 2.73761 | 2.86702 | 0.129411 |
| FGF5 | 2.77E-05 | 4.39174 | 101.1709 | 0.292748 | 0.629716 | 0.336968 |
| PAPPA | 0.013264 | 2.514855 | 117.1241 | 1.088006 | 1.403701 | 0.315696 |
| JUN | 1.47E-05 | 4.51988 | 118.831 | -0.26865 | 0.303977 | 0.572627 |
| BID | 0.195071 | 1.303513 | 112.0804 | 1.46561 | 1.719661 | 0.254051 |
| SCRN1 | 0.020358 | 2.354332 | 108.3083 | 1.819777 | 2.221464 | 0.401687 |
| HEXIM1 | 0.076908 | 1.785002 | 114.526 | 3.872042 | 4.250135 | 0.378092 |
| PTPRM | 0.800122 | 0.253756 | 118.9458 | 0.418865 | 0.434196 | 0.01533 |
| IL32 | 0.137223 | 1.499048 | 93.68818 | -0.06637 | 0.136442 | 0.202807 |
| RAB6A | 0.002466 | -3.10132 | 106.5595 | 0.949294 | 0.518774 | -0.43052 |
| PARP1 | 0.163485 | 1.40342 | 103.4713 | 3.029721 | 3.38298 | 0.353259 |
| BACH1 | 0.392884 | 0.857733 | 111.2582 | 2.904575 | 3.087768 | 0.183193 |
| NUB1 | 0.084721 | 1.738858 | 115.6519 | 3.097042 | 3.467303 | 0.370261 |
| HLAE | 0.000129 | 3.964795 | 112.5435 | 0.588556 | 0.876501 | 0.287946 |
| PSIP1 | 0.065967 | 1.858137 | 104.4008 | 1.90299 | 2.35592 | 0.45293 |
| MAP2K6 | 0.705381 | -0.37904 | 111.722 | 2.654031 | 2.570207 | -0.08382 |
| CASP2 | 0.859028 | 0.178011 | 114.7378 | 1.800825 | 1.839062 | 0.038237 |
| BCR | 0.165399 | 1.395823 | 117.5507 | 3.810056 | 4.121762 | 0.311707 |
| CXADR | 0.107866 | 1.623081 | 95.59132 | 0.828644 | 1.011339 | 0.182695 |
| IL6 | 0.000229 | 3.801034 | 118.8442 | 1.297615 | 2.509365 | 1.21175 |
| PTX3 | 7.31E-08 | 5.779092 | 108.339 | 1.122977 | 1.841536 | 0.718559 |
| ICAM4 | 0.100896 | 1.654376 | 110.2373 | 0.31555 | 0.495132 | 0.179582 |
| ITGA11 | 1.51E-05 | -4.51785 | 116.4317 | 1.318106 | 0.657438 | -0.66067 |
| CD4 | 0.360085 | -0.91877 | 118.3902 | 0.407417 | 0.334796 | -0.07262 |
| PRDX5 | 0.079052 | 1.77336 | 105.6101 | 2.948181 | 3.275133 | 0.326953 |
| ADA | 0.001354 | 3.284818 | 114.5948 | 0.659702 | 0.979814 | 0.320113 |
| VEGFA | 0.000159 | 3.900563 | 118.9705 | 1.184758 | 1.820561 | 0.635803 |
| HGF | 2.37E-07 | 5.499346 | 113.9901 | 0.997694 | 1.804229 | 0.806535 |
| PCDH1 | 4.45E-06 | 4.817244 | 115.7426 | -0.1173 | 0.073506 | 0.190808 |
| HPCAL1 | 0.763754 | 0.301284 | 112.5915 | 4.382175 | 4.441641 | 0.059466 |
| CKAP4 | 0.008384 | 2.695145 | 90.77036 | 0.912265 | 1.297578 | 0.385313 |
| IDS | 0.263777 | -1.12297 | 115.6028 | 0.290985 | 0.211784 | -0.0792 |
| BSG | 0.013268 | 2.515357 | 115.3386 | 0.381479 | 0.515971 | 0.134492 |
| DNAJA2 | 0.822619 | 0.224696 | 113.5102 | 4.62076 | 4.662459 | 0.0417 |
| CLSTN2 | 0.330431 | 0.977931 | 101.6059 | 0.038121 | 0.12152 | 0.083399 |
| KYNU | 0.01226 | 2.54681 | 109.5146 | 0.538279 | 0.90618 | 0.367901 |
| SIRPB1 | 5.4E-05 | 4.189199 | 118.9981 | 0.532317 | 1.030496 | 0.498178 |
| PDGFB | 0.081125 | 1.75995 | 112.8679 | 4.256652 | 4.613294 | 0.356642 |
| CRKL | 0.160097 | 1.414149 | 111.8083 | 4.610437 | 4.978326 | 0.36789 |
| TPP1 | 8.33E-05 | 4.078144 | 116.677 | 0.785715 | 1.247181 | 0.461466 |
| ATP5IF1 | 0.505595 | 0.667895 | 110.3289 | 5.070204 | 5.244449 | 0.174245 |
| SKAP2 | 0.886386 | -0.1432 | 114.3331 | 5.786067 | 5.749913 | -0.03615 |
| MATN2 | 0.071924 | 1.815766 | 118.9998 | 0.649192 | 0.762516 | 0.113324 |
| LTBR | 0.000495 | 3.585995 | 114.1969 | 0.256954 | 0.501067 | 0.244113 |
| FST | 0.163343 | 1.404845 | 94.59891 | 0.451373 | 0.593536 | 0.142163 |
| LGMN | 0.157036 | 1.424102 | 118.882 | 0.464625 | 0.601614 | 0.136989 |
| B4GALT1 | 1.58E-05 | 4.509669 | 114.3798 | 0.6443 | 0.989281 | 0.344981 |
| NME3 | 0.002434 | -3.09768 | 118.9461 | 0.26344 | -0.00402 | -0.26746 |
| IFNGR1 | 9.91E-06 | 4.617433 | 118.8891 | 0.237758 | 0.492265 | 0.254508 |
| TIMP3 | 0.000178 | 3.870834 | 118.5483 | 4.072346 | 5.382248 | 1.309902 |
| F2R | 0.01148 | 2.56882 | 115.3793 | 1.051563 | 1.372828 | 0.321264 |
| CXCL10 | 9.68E-08 | 5.692967 | 115.1951 | 1.168075 | 2.425736 | 1.257661 |
| ANGPTL4 | 0.085188 | 1.736037 | 117.093 | 0.444829 | 0.622242 | 0.177413 |
| MGLL | 0.844565 | -0.19651 | 112.8454 | 4.652417 | 4.609533 | -0.04288 |
| DNER | 0.002967 | -3.03427 | 117.9572 | -0.03225 | -0.19677 | -0.16452 |
| BTN2A1 | 9.89E-05 | 4.030938 | 117.9004 | 0.231313 | 0.486019 | 0.254705 |
| SHMT1 | 0.004523 | 2.896903 | 113.4989 | 1.932506 | 2.496081 | 0.563575 |
| FIS1 | 0.378927 | 0.883268 | 115.4582 | 3.045198 | 3.211152 | 0.165954 |
| ANGPTL2 | 0.000317 | 3.721279 | 107.9736 | 1.038688 | 1.427864 | 0.389175 |
| TNFRSF11B | 9.09E-06 | 4.639374 | 118.2978 | 0.373427 | 0.763581 | 0.390154 |

**Table 4). Age Greater than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean.Greater.50** | **Mean.Under.50** | **Log2FC** |
| ARNT | 0.472108 | -0.72007 | 268.4302 | -1.84831 | -1.79113 | -0.05718 |
| CEP164 | 0.923155 | 0.09655 | 271.8925 | -0.02293 | -0.03121 | 0.008285 |
| NBN | 0.609857 | 0.510889 | 263.3736 | 0.163077 | 0.103258 | 0.059819 |
| PNPT1 | 0.014198 | -2.46825 | 269.9252 | 1.531364 | 1.888476 | -0.35711 |
| WNT9A | 8.16E-24 | 11.06666 | 276.9645 | 0.493095 | -0.10592 | 0.599013 |
| CXCL12 | 0.68233 | -0.40972 | 276.9998 | 2.456159 | 2.480147 | -0.02399 |
| GALNT3 | 0.421738 | 0.804616 | 274.427 | 0.211742 | 0.160648 | 0.051094 |
| TANK | 0.662232 | -0.43732 | 267.6841 | 2.457548 | 2.514334 | -0.05679 |
| YTHDF3 | 0.942819 | -0.07179 | 271.6963 | 2.631661 | 2.642577 | -0.01092 |
| FGF5 | 2.61E-09 | 6.156737 | 275.8202 | 0.632649 | 0.326579 | 0.306069 |
| PAPPA | 0.196246 | 1.296502 | 207.0728 | 1.331345 | 1.213927 | 0.117417 |
| JUN | 0.003357 | 2.95941 | 268.4512 | -0.14576 | -0.34096 | 0.195195 |
| BID | 0.762342 | 0.302707 | 275.6677 | 1.556675 | 1.516949 | 0.039726 |
| SCRN1 | 0.437396 | -0.77781 | 258.146 | 1.871689 | 1.956546 | -0.08486 |
| HEXIM1 | 0.739224 | 0.333225 | 268.9011 | 3.984395 | 3.934729 | 0.049666 |
| PTPRM | 0.001045 | 3.313296 | 276.9981 | 0.540591 | 0.418527 | 0.122063 |
| IL32 | 9.93E-13 | 7.503028 | 259.7275 | 0.228266 | -0.23631 | 0.464576 |
| RAB6A | 0.00792 | -2.67657 | 255.1854 | 0.718 | 0.930898 | -0.2129 |
| PARP1 | 0.67946 | 0.413661 | 262.2426 | 2.848414 | 2.797213 | 0.051201 |
| BACH1 | 0.635515 | -0.47452 | 266.8603 | 2.900211 | 2.968951 | -0.06874 |
| NUB1 | 0.684707 | -0.40649 | 266.6552 | 3.130746 | 3.187908 | -0.05716 |
| HLAE | 1.9E-06 | 4.871706 | 266.0895 | 0.812893 | 0.591462 | 0.221431 |
| PSIP1 | 0.471701 | 0.720755 | 262.584 | 1.737843 | 1.643638 | 0.094205 |
| MAP2K6 | 0.229563 | -1.2042 | 271.2968 | 2.61086 | 2.797883 | -0.18702 |
| CASP2 | 0.499722 | -0.67584 | 270.321 | 1.865086 | 1.960555 | -0.09547 |
| BCR | 0.642092 | -0.4653 | 270.798 | 3.906872 | 3.98146 | -0.07459 |
| CXADR | 0.000379 | 3.598338 | 276.679 | 0.999089 | 0.774013 | 0.225076 |
| IL6 | 6.18E-08 | 5.566326 | 274.7137 | 1.533325 | 0.886704 | 0.646621 |
| PTX3 | 0.115932 | 1.577063 | 274.5901 | 1.159882 | 1.063634 | 0.096249 |
| ICAM4 | 0.322959 | 0.990218 | 268.5039 | 0.334372 | 0.258573 | 0.075799 |
| ITGA11 | 0.043521 | -2.02797 | 276.867 | 1.509199 | 1.639366 | -0.13017 |
| CD4 | 5.89E-05 | 4.0813 | 272.8081 | 0.589421 | 0.402873 | 0.186548 |
| PRDX5 | 0.356803 | 0.923077 | 266.3611 | 3.193999 | 3.071327 | 0.122672 |
| ADA | 0.941488 | 0.073466 | 274.6624 | 0.719324 | 0.715244 | 0.00408 |
| VEGFA | 2.42E-08 | 5.746566 | 274.0982 | 1.390975 | 0.931476 | 0.459499 |
| HGF | 4.63E-14 | 7.954078 | 276.943 | 1.311835 | 0.838973 | 0.472863 |
| PCDH1 | 1.69E-14 | 8.116754 | 270.8359 | 0.034271 | -0.15352 | 0.187793 |
| HPCAL1 | 0.786374 | -0.27129 | 267.9085 | 4.38662 | 4.427338 | -0.04072 |
| CKAP4 | 5.46E-10 | 6.434556 | 275.5925 | 1.024514 | 0.718503 | 0.306011 |
| IDS | 0.390077 | -0.86089 | 264.5507 | 0.257404 | 0.297334 | -0.03993 |
| BSG | 4.11E-07 | 5.188006 | 276.8257 | 0.498793 | 0.337833 | 0.16096 |
| DNAJA2 | 0.822465 | -0.22459 | 271.0978 | 4.620489 | 4.652002 | -0.03151 |
| CLSTN2 | 7.92E-06 | 4.553483 | 276.4963 | 0.357674 | 0.078928 | 0.278746 |
| KYNU | 0.003028 | 2.992905 | 261.4067 | 0.725373 | 0.495553 | 0.22982 |
| SIRPB1 | 8.18E-11 | 6.759759 | 276.4813 | 0.845686 | 0.376593 | 0.469093 |
| PDGFB | 0.174235 | 1.362221 | 276.8544 | 4.10051 | 3.934577 | 0.165933 |
| CRKL | 0.989885 | 0.01269 | 268.3354 | 4.755609 | 4.753357 | 0.002252 |
| TPP1 | 6.76E-07 | 5.085806 | 276.9013 | 1.002568 | 0.698472 | 0.304096 |
| ATP5IF1 | 0.910128 | 0.112983 | 268.6694 | 5.133317 | 5.111063 | 0.022254 |
| SKAP2 | 0.652207 | -0.4512 | 269.0347 | 5.81572 | 5.898567 | -0.08285 |
| MATN2 | 6.93E-06 | 4.583226 | 277 | 0.819826 | 0.632282 | 0.187544 |
| LTBR | 4.12E-14 | 7.999888 | 260.156 | 0.536627 | 0.196516 | 0.340111 |
| FST | 0.025185 | 2.251817 | 255.1885 | 0.703033 | 0.536731 | 0.166303 |
| LGMN | 0.009958 | 2.595286 | 275.4124 | 0.468743 | 0.329558 | 0.139185 |
| B4GALT1 | 4.12E-07 | 5.188141 | 276.3968 | 0.781899 | 0.562489 | 0.21941 |
| NME3 | 0.275748 | 1.092081 | 276.5662 | 0.298742 | 0.263302 | 0.03544 |
| IFNGR1 | 1.23E-08 | 5.871738 | 276.967 | 0.409958 | 0.219947 | 0.190011 |
| TIMP3 | 0.000468 | 3.541151 | 273.2529 | 4.287346 | 3.659587 | 0.627759 |
| F2R | 0.000265 | 3.696106 | 269.8715 | 1.394024 | 1.098899 | 0.295124 |
| CXCL10 | 2.1E-12 | 7.362301 | 274.934 | 1.738686 | 1.052589 | 0.686098 |
| ANGPTL4 | 0.011942 | 2.530867 | 271.8721 | 0.558333 | 0.389685 | 0.168648 |
| MGLL | 0.893111 | -0.1345 | 266.5507 | 4.678439 | 4.699323 | -0.02088 |
| DNER | 1.16E-05 | -4.47043 | 265.8768 | -0.09606 | 0.056826 | -0.15289 |
| BTN2A1 | 6.13E-14 | 7.911359 | 276.996 | 0.522845 | 0.191038 | 0.331806 |
| SHMT1 | 0.358066 | 0.920644 | 267.5576 | 2.033888 | 1.913578 | 0.12031 |
| FIS1 | 0.235315 | 1.189438 | 269.386 | 3.217884 | 3.072705 | 0.14518 |
| ANGPTL2 | 1.76E-08 | 5.807777 | 272.8814 | 1.454335 | 1.104306 | 0.350029 |
| TNFRSF11B | 7.82E-22 | 10.50662 | 266.6855 | 0.838599 | 0.378557 | 0.460042 |

**Table 5). Severity Less than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean.Severe** | **Mean.Mild** | **Log2FC** |
| ARNT | 0.884051 | -0.14617 | 112.332 | -1.94149 | -1.95761 | 0.016119 |
| CEP164 | 0.099747 | -1.65991 | 111.2928 | 0.261741 | 0.028795 | 0.232946 |
| NBN | 0.000222 | -3.81374 | 114.6931 | 0.769036 | -0.0108 | 0.779836 |
| PNPT1 | 0.777429 | -0.28331 | 119 | 1.920705 | 1.857627 | 0.063077 |
| WNT9A | 0.004199 | -2.92039 | 116.5011 | 0.215059 | -0.03419 | 0.249245 |
| CXCL12 | 0.81114 | -0.23955 | 107.3805 | 2.476603 | 2.455115 | 0.021488 |
| GALNT3 | 0.002151 | -3.13835 | 116.853 | 0.408898 | 0.116444 | 0.292455 |
| TANK | 0.12153 | -1.55991 | 114.9216 | 2.67162 | 2.38022 | 0.2914 |
| YTHDF3 | 0.024524 | -2.27799 | 118.2059 | 3.040505 | 2.536487 | 0.504017 |
| FGF5 | 0.410519 | -0.82594 | 116.9352 | 0.515036 | 0.448744 | 0.066293 |
| PAPPA | 0.028912 | -2.2122 | 116.0016 | 1.393198 | 1.117829 | 0.275369 |
| JUN | 4.23E-08 | -5.86989 | 115.9674 | 0.379953 | -0.32859 | 0.70854 |
| BID | 0.005428 | -2.83244 | 118.7914 | 1.850326 | 1.322669 | 0.527657 |
| SCRN1 | 0.000373 | -3.66417 | 118.078 | 2.31582 | 1.72846 | 0.58736 |
| HEXIM1 | 0.002288 | -3.11755 | 118.6801 | 4.378706 | 3.73838 | 0.640326 |
| PTPRM | 0.397013 | -0.85023 | 111.7464 | 0.450838 | 0.399731 | 0.051107 |
| IL32 | 0.000637 | -3.51012 | 117.0652 | 0.243617 | -0.18391 | 0.427529 |
| RAB6A | 0.06672 | 1.850734 | 117.4783 | 0.5864 | 0.84466 | -0.25826 |
| PARP1 | 0.00083 | -3.43351 | 114.4808 | 3.601853 | 2.786342 | 0.815511 |
| BACH1 | 0.065263 | -1.86081 | 117.8639 | 3.185844 | 2.796876 | 0.388968 |
| NUB1 | 0.006033 | -2.79674 | 117.4955 | 3.569773 | 2.994275 | 0.575498 |
| HLAE | 0.000177 | -3.89462 | 101.2371 | 0.882832 | 0.596665 | 0.286166 |
| PSIP1 | 1.29E-05 | -4.5566 | 116.1318 | 2.624356 | 1.605573 | 1.018783 |
| MAP2K6 | 0.794713 | -0.26079 | 117.0808 | 2.632283 | 2.574967 | 0.057316 |
| CASP2 | 0.614008 | -0.50572 | 116.2685 | 1.872186 | 1.763162 | 0.109025 |
| BCR | 0.024571 | -2.27704 | 118.9526 | 4.216038 | 3.713927 | 0.502111 |
| CXADR | 2.48E-05 | -4.39006 | 118.2831 | 1.134374 | 0.690967 | 0.443407 |
| IL6 | 7.35E-08 | -5.83453 | 95.58341 | 2.768162 | 1.053155 | 1.715008 |
| PTX3 | 2.06E-13 | -8.41527 | 105.5709 | 1.970468 | 1.007453 | 0.963015 |
| ICAM4 | 0.242469 | -1.1749 | 114.611 | 0.476011 | 0.348291 | 0.12772 |
| ITGA11 | 7.07E-13 | 8.189344 | 104.056 | 0.464226 | 1.513924 | -1.0497 |
| CD4 | 0.126304 | -1.53964 | 118.9068 | 0.421247 | 0.299715 | 0.121532 |
| PRDX5 | 0.029839 | -2.19895 | 117.5853 | 3.313629 | 2.91982 | 0.393809 |
| ADA | 2.25E-07 | -5.49685 | 118.7536 | 1.066917 | 0.57264 | 0.494277 |
| VEGFA | 9.78E-10 | -6.70027 | 107.9044 | 1.995871 | 1.009065 | 0.986806 |
| HGF | 3.33E-12 | -7.9449 | 97.96685 | 1.94202 | 0.876338 | 1.065682 |
| PCDH1 | 6.02E-09 | -6.27679 | 117.2798 | 0.098994 | -0.13748 | 0.236474 |
| HPCAL1 | 0.175364 | -1.36352 | 115.7242 | 4.537458 | 4.270438 | 0.267019 |
| CKAP4 | 1.54E-07 | -5.59475 | 114.0579 | 1.442192 | 0.759745 | 0.682447 |
| IDS | 0.053807 | 1.947699 | 118.9445 | 0.184282 | 0.319667 | -0.13539 |
| BSG | 1.12E-05 | -4.58878 | 117.7524 | 0.562276 | 0.333249 | 0.229027 |
| DNAJA2 | 0.29285 | -1.0566 | 118.1427 | 4.732798 | 4.538627 | 0.194171 |
| CLSTN2 | 0.136101 | -1.50069 | 118.311 | 0.140871 | 0.019449 | 0.121422 |
| KYNU | 1.29E-09 | -6.59103 | 117.9877 | 1.118974 | 0.302993 | 0.815982 |
| SIRPB1 | 5.04E-10 | -6.78204 | 117.6266 | 1.152973 | 0.412518 | 0.740455 |
| PDGFB | 0.000198 | -3.84191 | 118.0891 | 4.796011 | 4.056845 | 0.739165 |
| CRKL | 0.012652 | -2.53193 | 118.486 | 5.110959 | 4.471344 | 0.639615 |
| TPP1 | 2.42E-13 | -8.27623 | 116.2803 | 1.408308 | 0.617535 | 0.790773 |
| ATP5IF1 | 0.156994 | -1.42448 | 115.9882 | 5.336202 | 4.969605 | 0.366596 |
| SKAP2 | 0.405343 | -0.83517 | 115.5711 | 5.861505 | 5.650185 | 0.211319 |
| MATN2 | 0.030031 | -2.19608 | 118.6463 | 0.776458 | 0.638644 | 0.137814 |
| LTBR | 9.63E-05 | -4.05134 | 107.811 | 0.521674 | 0.24554 | 0.276134 |
| FST | 0.013854 | -2.49911 | 115.6474 | 0.641071 | 0.402085 | 0.238986 |
| LGMN | 1.47E-06 | -5.08021 | 114.9417 | 0.746103 | 0.298711 | 0.447392 |
| B4GALT1 | 2.59E-13 | -8.5348 | 92.81533 | 1.096785 | 0.534113 | 0.562672 |
| NME3 | 0.000132 | 4.003465 | 85.80345 | -0.03738 | 0.288884 | -0.32627 |
| IFNGR1 | 1.53E-08 | -6.11637 | 108.7946 | 0.527744 | 0.209065 | 0.318678 |
| TIMP3 | 1.86E-08 | -6.04702 | 115.5726 | 5.680332 | 3.786095 | 1.894237 |
| F2R | 0.000118 | -3.98375 | 118.493 | 1.453132 | 0.972722 | 0.48041 |
| CXCL10 | 2.08E-10 | -7.05749 | 102.3418 | 2.561458 | 1.073809 | 1.487648 |
| ANGPTL4 | 9.93E-05 | -4.03509 | 113.6449 | 0.727124 | 0.328647 | 0.398477 |
| MGLL | 0.622487 | -0.49364 | 116.5502 | 4.676794 | 4.569365 | 0.107428 |
| DNER | 0.003031 | 3.026709 | 118.963 | -0.20105 | -0.03608 | -0.16497 |
| BTN2A1 | 1.89E-06 | -5.02885 | 111.93 | 0.517545 | 0.207375 | 0.310171 |
| SHMT1 | 4.12E-08 | -5.86543 | 118.9513 | 2.721167 | 1.693144 | 1.028023 |
| FIS1 | 0.010331 | -2.60599 | 118.9779 | 3.355948 | 2.880495 | 0.475454 |
| ANGPTL2 | 5.59E-05 | -4.18752 | 113.8173 | 1.455455 | 1.026807 | 0.428647 |
| TNFRSF11B | 3.25E-06 | -4.89198 | 115.7127 | 0.779959 | 0.375055 | 0.404905 |

**Table 6). Severity Greater than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean.Severe** | **Mean.Mild** | **Log2FC** |
| ARNT | 0.998926 | -0.00135 | 247.4775 | -1.82141 | -1.82152 | 0.000109 |
| CEP164 | 0.380501 | 0.878416 | 269.1601 | -0.05859 | 0.015903 | -0.07449 |
| NBN | 0.179627 | -1.34538 | 271.2354 | 0.200699 | 0.046642 | 0.154057 |
| PNPT1 | 0.468456 | 0.726174 | 234.6185 | 1.652592 | 1.761491 | -0.1089 |
| WNT9A | 3.37E-05 | -4.22009 | 262.9232 | 0.325759 | 0.058668 | 0.267091 |
| CXCL12 | 0.033052 | 2.142726 | 263.4207 | 2.414009 | 2.539238 | -0.12523 |
| GALNT3 | 0.303908 | -1.03019 | 251.5501 | 0.216014 | 0.149751 | 0.066263 |
| TANK | 0.41341 | 0.819306 | 244.282 | 2.438175 | 2.546108 | -0.10793 |
| YTHDF3 | 0.822097 | -0.2251 | 236.766 | 2.651758 | 2.616657 | 0.0351 |
| FGF5 | 0.482384 | -0.70349 | 257.1819 | 0.504974 | 0.467379 | 0.037595 |
| PAPPA | 0.434069 | 0.783979 | 182.4388 | 1.244401 | 1.318987 | -0.07459 |
| JUN | 0.03084 | -2.171 | 258.833 | -0.17585 | -0.32019 | 0.144343 |
| BID | 0.233562 | -1.19396 | 264.5722 | 1.604718 | 1.448348 | 0.15637 |
| SCRN1 | 0.531189 | 0.627164 | 224.7055 | 1.881504 | 1.951906 | -0.0704 |
| HEXIM1 | 0.345766 | -0.94477 | 229.9575 | 4.022838 | 3.878033 | 0.144805 |
| PTPRM | 0.000131 | -3.8791 | 272.8282 | 0.543339 | 0.402523 | 0.140817 |
| IL32 | 0.000471 | -3.53984 | 273.0293 | 0.110771 | -0.12518 | 0.235951 |
| RAB6A | 0.052076 | 1.951746 | 251.9708 | 0.751266 | 0.907639 | -0.15637 |
| PARP1 | 0.140096 | -1.47982 | 267.9904 | 2.901076 | 2.721244 | 0.179832 |
| BACH1 | 0.511556 | 0.657448 | 227.7937 | 2.890643 | 2.988748 | -0.0981 |
| NUB1 | 0.964078 | -0.04508 | 240.9971 | 3.160339 | 3.153883 | 0.006456 |
| HLAE | 0.000466 | -3.54189 | 276.8798 | 0.777758 | 0.616372 | 0.161386 |
| PSIP1 | 0.058962 | -1.89642 | 272.3923 | 1.796465 | 1.555319 | 0.241146 |
| MAP2K6 | 0.444546 | 0.765822 | 236.3412 | 2.646561 | 2.768741 | -0.12218 |
| CASP2 | 0.631108 | 0.480776 | 243.5601 | 1.880413 | 1.949576 | -0.06916 |
| BCR | 0.648845 | 0.455951 | 235.6025 | 3.909909 | 3.984898 | -0.07499 |
| CXADR | 0.000271 | -3.68971 | 270.8198 | 0.991503 | 0.761517 | 0.229986 |
| IL6 | 4.45E-07 | -5.18069 | 258.5263 | 1.492453 | 0.876452 | 0.616001 |
| PTX3 | 0.239486 | -1.17888 | 269.0481 | 1.145206 | 1.073661 | 0.071544 |
| ICAM4 | 0.948239 | 0.06498 | 265.3698 | 0.296673 | 0.301618 | -0.00495 |
| ITGA11 | 4.46E-05 | 4.150667 | 266.5466 | 1.458821 | 1.720228 | -0.26141 |
| CD4 | 0.007938 | -2.67524 | 262.006 | 0.554875 | 0.430509 | 0.124366 |
| PRDX5 | 0.40784 | -0.82919 | 234.3261 | 3.184548 | 3.071666 | 0.112882 |
| ADA | 0.00672 | -2.73106 | 276.2022 | 0.779773 | 0.633556 | 0.146216 |
| VEGFA | 7.06E-05 | -4.03697 | 269.0899 | 1.317303 | 0.984196 | 0.333107 |
| HGF | 3.68E-14 | -8.02899 | 253.6933 | 1.296113 | 0.812429 | 0.483684 |
| PCDH1 | 5.39E-05 | -4.10625 | 260.0822 | -0.01006 | -0.11285 | 0.102789 |
| HPCAL1 | 0.953405 | -0.05849 | 235.5599 | 4.409573 | 4.400582 | 0.008991 |
| CKAP4 | 3.67E-06 | -4.72531 | 275.8892 | 0.977768 | 0.750497 | 0.227271 |
| IDS | 0.205439 | 1.269676 | 238.161 | 0.250589 | 0.310524 | -0.05994 |
| BSG | 0.000264 | -3.70054 | 251.1793 | 0.474321 | 0.354506 | 0.119815 |
| DNAJA2 | 0.986617 | -0.01679 | 233.664 | 4.636318 | 4.633896 | 0.002422 |
| CLSTN2 | 0.166585 | -1.38722 | 255.2745 | 0.264691 | 0.175839 | 0.088851 |
| KYNU | 2.78E-06 | -4.80028 | 241.2341 | 0.773093 | 0.408218 | 0.364875 |
| SIRPB1 | 4.02E-06 | -4.70522 | 275.6392 | 0.767594 | 0.434287 | 0.333308 |
| PDGFB | 0.09867 | -1.65757 | 247.7723 | 4.110476 | 3.904445 | 0.20603 |
| CRKL | 0.756259 | -0.31077 | 230.0645 | 4.778756 | 4.722008 | 0.056749 |
| TPP1 | 2.4E-08 | -5.76036 | 255.6262 | 1.007248 | 0.661515 | 0.345732 |
| ATP5IF1 | 0.740227 | -0.33193 | 243.942 | 5.151207 | 5.084765 | 0.066442 |
| SKAP2 | 0.736738 | 0.336555 | 247.5463 | 5.827913 | 5.890529 | -0.06262 |
| MATN2 | 0.000101 | -3.94965 | 259.461 | 0.802078 | 0.637234 | 0.164845 |
| LTBR | 1.31E-09 | -6.27968 | 276.816 | 0.494333 | 0.219086 | 0.275247 |
| FST | 0.293479 | -1.05319 | 207.6939 | 0.659794 | 0.578097 | 0.081696 |
| LGMN | 0.001024 | -3.3227 | 251.7634 | 0.480614 | 0.299562 | 0.181052 |
| B4GALT1 | 2.59E-07 | -5.28251 | 275.017 | 0.773094 | 0.552203 | 0.220892 |
| NME3 | 0.065822 | 1.848987 | 216.7282 | 0.255202 | 0.318269 | -0.06307 |
| IFNGR1 | 0.000522 | -3.51065 | 275.1448 | 0.370278 | 0.254139 | 0.116139 |
| TIMP3 | 0.001152 | -3.28896 | 247.2169 | 4.246152 | 3.651671 | 0.594481 |
| F2R | 0.00593 | -2.77594 | 244.6734 | 1.352543 | 1.124912 | 0.227631 |
| CXCL10 | 3.11E-09 | -6.13392 | 264.4345 | 1.669014 | 1.07708 | 0.591934 |
| ANGPTL4 | 0.000231 | -3.73223 | 270.2241 | 0.582667 | 0.339961 | 0.242706 |
| MGLL | 0.947269 | 0.066206 | 237.0194 | 4.683764 | 4.694268 | -0.0105 |
| DNER | 0.000158 | 3.835274 | 259.5722 | -0.08066 | 0.051534 | -0.13219 |
| BTN2A1 | 1.34E-09 | -6.28318 | 267.5546 | 0.483568 | 0.210388 | 0.273179 |
| SHMT1 | 0.461645 | -0.73736 | 233.1493 | 2.019587 | 1.920674 | 0.098913 |
| FIS1 | 0.376943 | -0.8852 | 238.2332 | 3.196887 | 3.086297 | 0.11059 |
| ANGPTL2 | 2.67E-10 | -6.57186 | 261.6316 | 1.456721 | 1.065801 | 0.39092 |
| TNFRSF11B | 1.39E-06 | -4.94019 | 264.0807 | 0.728496 | 0.480205 | 0.248291 |

**Table 7). Hospitalisation Less than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean Hospitalised** | **Mean Non Hospitalised** | **Log2FC** |
| ARNT | 0.968073 | 0.040112 | 116.0424 | -1.95089 | -1.94649 | -0.0044 |
| CEP164 | 0.20381 | -1.27846 | 108.6768 | 0.241817 | 0.059339 | 0.182479 |
| NBN | 0.001157 | -3.33192 | 116.3962 | 0.739241 | 0.050018 | 0.689223 |
| PNPT1 | 0.911349 | 0.111576 | 118.596 | 1.88028 | 1.90523 | -0.02495 |
| WNT9A | 0.011419 | -2.56983 | 118.0957 | 0.205783 | -0.01502 | 0.220807 |
| CXCL12 | 0.596752 | 0.530581 | 112.7716 | 2.443925 | 2.49256 | -0.04863 |
| GALNT3 | 0.002357 | -3.11129 | 113.2865 | 0.413439 | 0.121607 | 0.291832 |
| TANK | 0.269192 | -1.11022 | 116.3488 | 2.637264 | 2.429019 | 0.208245 |
| YTHDF3 | 0.047148 | -2.00625 | 116.3801 | 3.02268 | 2.574186 | 0.448494 |
| FGF5 | 0.792096 | -0.26419 | 116.7439 | 0.494953 | 0.473619 | 0.021334 |
| PAPPA | 0.029138 | -2.20988 | 112.5115 | 1.398592 | 1.121435 | 0.277157 |
| JUN | 1.52E-07 | -5.60014 | 113.0415 | 0.381473 | -0.30543 | 0.686907 |
| BID | 0.00915 | -2.6501 | 117.9809 | 1.845184 | 1.346956 | 0.498228 |
| SCRN1 | 0.000931 | -3.39757 | 116.5155 | 2.308733 | 1.757026 | 0.551706 |
| HEXIM1 | 0.005267 | -2.84262 | 118.9896 | 4.364953 | 3.776289 | 0.588664 |
| PTPRM | 0.417214 | -0.81442 | 107.1389 | 0.450922 | 0.40143 | 0.049492 |
| IL32 | 0.00339 | -2.9917 | 115.9626 | 0.224586 | -0.14754 | 0.37213 |
| RAB6A | 0.04761 | 2.001545 | 118.9259 | 0.572711 | 0.850968 | -0.27826 |
| PARP1 | 0.001886 | -3.17993 | 116.9346 | 3.588252 | 2.830228 | 0.758023 |
| BACH1 | 0.129599 | -1.52628 | 118.7062 | 3.160233 | 2.839281 | 0.320952 |
| NUB1 | 0.015484 | -2.45708 | 116.2861 | 3.54993 | 3.036747 | 0.513182 |
| HLAE | 0.000655 | -3.52081 | 98.00938 | 0.877727 | 0.612439 | 0.265288 |
| PSIP1 | 6.93E-05 | -4.12606 | 117.304 | 2.601695 | 1.666763 | 0.934932 |
| MAP2K6 | 0.975263 | 0.031073 | 118.3908 | 2.603013 | 2.609844 | -0.00683 |
| CASP2 | 0.733073 | -0.34185 | 118.2779 | 1.8573 | 1.783702 | 0.073598 |
| BCR | 0.058506 | -1.91032 | 118.6311 | 4.188588 | 3.762367 | 0.426221 |
| CXADR | 0.001342 | -3.29084 | 110.3696 | 1.096802 | 0.748712 | 0.348089 |
| IL6 | 8.9E-06 | -4.66649 | 107.2267 | 2.677491 | 1.215137 | 1.462354 |
| PTX3 | 2.12E-11 | -7.47724 | 108.0836 | 1.957208 | 1.056132 | 0.901076 |
| ICAM4 | 0.189856 | -1.31865 | 117.2392 | 0.485167 | 0.342491 | 0.142676 |
| ITGA11 | 1.85E-11 | 7.543456 | 103.395 | 0.46818 | 1.472653 | -1.00447 |
| CD4 | 0.334781 | -0.96846 | 118.7894 | 0.402492 | 0.325037 | 0.077455 |
| PRDX5 | 0.054224 | -1.94429 | 118.8483 | 3.299273 | 2.949756 | 0.349517 |
| ADA | 5.32E-07 | -5.30821 | 117.1556 | 1.06928 | 0.58733 | 0.48195 |
| VEGFA | 5.51E-09 | -6.35062 | 105.5505 | 1.998639 | 1.040582 | 0.958057 |
| HGF | 3.06E-09 | -6.43927 | 112.5284 | 1.899756 | 0.961184 | 0.938572 |
| PCDH1 | 1.3E-08 | -6.11052 | 118.8343 | 0.100483 | -0.13085 | 0.231337 |
| HPCAL1 | 0.293537 | -1.05511 | 117.6958 | 4.513555 | 4.306646 | 0.206909 |
| CKAP4 | 2.24E-06 | -4.98369 | 114.3423 | 1.427711 | 0.799951 | 0.62776 |
| IDS | 0.034435 | 2.139636 | 118.5175 | 0.175859 | 0.324374 | -0.14851 |
| BSG | 3.02E-05 | -4.34372 | 115.6972 | 0.561652 | 0.341986 | 0.219666 |
| DNAJA2 | 0.457756 | -0.74498 | 118.9337 | 4.709252 | 4.571879 | 0.137373 |
| CLSTN2 | 0.173629 | -1.36907 | 115.7795 | 0.138177 | 0.026735 | 0.111441 |
| KYNU | 1.09E-07 | -5.6562 | 118.8709 | 1.09435 | 0.359272 | 0.735078 |
| SIRPB1 | 1.44E-08 | -6.09431 | 117.2568 | 1.140556 | 0.45244 | 0.688116 |
| PDGFB | 0.00032 | -3.70652 | 118.9979 | 4.796928 | 4.081751 | 0.715177 |
| CRKL | 0.026753 | -2.24292 | 118.998 | 5.089014 | 4.518426 | 0.570588 |
| TPP1 | 2.98E-12 | -7.81052 | 114.5917 | 1.409417 | 0.644035 | 0.765382 |
| ATP5IF1 | 0.258005 | -1.1366 | 118.1122 | 5.307488 | 5.014709 | 0.292779 |
| SKAP2 | 0.562001 | -0.58152 | 117.8338 | 5.834702 | 5.687695 | 0.147007 |
| MATN2 | 0.057024 | -1.92211 | 116.9379 | 0.771141 | 0.649449 | 0.121692 |
| LTBR | 0.00062 | -3.52752 | 106.5825 | 0.512647 | 0.265365 | 0.247282 |
| FST | 0.040075 | -2.076 | 117.4913 | 0.626555 | 0.42677 | 0.199785 |
| LGMN | 7.46E-06 | -4.69903 | 112.4611 | 0.741742 | 0.319305 | 0.422437 |
| B4GALT1 | 6.45E-11 | -7.2675 | 106.2432 | 1.083941 | 0.568277 | 0.515663 |
| NME3 | 0.000261 | 3.817613 | 81.75268 | -0.03932 | 0.279609 | -0.31893 |
| IFNGR1 | 2.66E-07 | -5.49174 | 108.0799 | 0.522427 | 0.226218 | 0.296209 |
| TIMP3 | 4.61E-08 | -5.86574 | 111.987 | 5.695889 | 3.835091 | 1.860798 |
| F2R | 0.00033 | -3.69854 | 118.9976 | 1.446856 | 0.996625 | 0.450232 |
| CXCL10 | 2.36E-09 | -6.54029 | 103.7587 | 2.557484 | 1.130468 | 1.427016 |
| ANGPTL4 | 0.000108 | -4.01854 | 109.0415 | 0.734514 | 0.334332 | 0.400182 |
| MGLL | 0.763171 | -0.30201 | 118.5439 | 4.65888 | 4.593249 | 0.065631 |
| DNER | 0.001743 | 3.203689 | 118.4285 | -0.20811 | -0.03395 | -0.17416 |
| BTN2A1 | 2.29E-06 | -4.99616 | 107.0331 | 0.523084 | 0.212039 | 0.311046 |
| SHMT1 | 1.08E-06 | -5.14305 | 118.9988 | 2.692683 | 1.761196 | 0.931486 |
| FIS1 | 0.027449 | -2.23262 | 118.7467 | 3.333709 | 2.922147 | 0.411562 |
| ANGPTL2 | 0.000118 | -3.98747 | 114.1628 | 1.454013 | 1.043467 | 0.410546 |
| TNFRSF11B | 2.31E-05 | -4.41452 | 113.9905 | 0.77213 | 0.398053 | 0.374077 |

**Table 8). Hospitalised Greater than 8 Weeks**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Proteins** | **p.Values** | **T.Values** | **DF** | **Mean.Hospitalised** | **Mean.Non.Hospitalised** | **Log2FC** |
| ARNT | 0.873969 | -0.15877 | 270.4008 | -1.81564 | -1.82823 | 0.012592 |
| CEP164 | 0.255307 | 1.13992 | 276.4355 | -0.07158 | 0.025241 | -0.09682 |
| NBN | 0.302968 | -1.03201 | 276.3519 | 0.190048 | 0.070969 | 0.119079 |
| PNPT1 | 0.602727 | 0.521135 | 254.0004 | 1.663458 | 1.740414 | -0.07696 |
| WNT9A | 2.86E-06 | -4.77942 | 276.4584 | 0.349657 | 0.051584 | 0.298074 |
| CXCL12 | 0.104495 | 1.628812 | 275.6555 | 2.423425 | 2.518582 | -0.09516 |
| GALNT3 | 0.342969 | -0.94997 | 272.2551 | 0.215661 | 0.155299 | 0.060361 |
| TANK | 0.757883 | 0.308577 | 267.4529 | 2.465683 | 2.505754 | -0.04007 |
| YTHDF3 | 0.586372 | -0.54477 | 262.3391 | 2.675311 | 2.59199 | 0.083321 |
| FGF5 | 0.239382 | -1.17912 | 271.9013 | 0.517849 | 0.455322 | 0.062528 |
| PAPPA | 0.520211 | 0.644106 | 209.7956 | 1.249055 | 1.307792 | -0.05874 |
| JUN | 0.02335 | -2.28036 | 275.5987 | -0.16801 | -0.31811 | 0.150104 |
| BID | 0.366128 | -0.90525 | 274.3101 | 1.592895 | 1.474217 | 0.118678 |
| SCRN1 | 0.613298 | 0.505995 | 254.7122 | 1.885917 | 1.941316 | -0.0554 |
| HEXIM1 | 0.21663 | -1.23857 | 258.025 | 4.046804 | 3.86139 | 0.185414 |
| PTPRM | 0.004798 | -2.84325 | 276.7249 | 0.531932 | 0.426703 | 0.105229 |
| IL32 | 0.000506 | -3.51898 | 276.1718 | 0.118819 | -0.11625 | 0.235068 |
| RAB6A | 0.027587 | 2.215275 | 266.2977 | 0.736623 | 0.912544 | -0.17592 |
| PARP1 | 0.357505 | -0.92169 | 272.5465 | 2.876643 | 2.763595 | 0.113048 |
| BACH1 | 0.659147 | 0.441606 | 255.8752 | 2.902702 | 2.967121 | -0.06442 |
| NUB1 | 0.996812 | -0.004 | 263.4871 | 3.157846 | 3.157282 | 0.000564 |
| HLAE | 0.000206 | -3.76369 | 267.7526 | 0.788928 | 0.615895 | 0.173033 |
| PSIP1 | 0.158325 | -1.4146 | 272.6923 | 1.778206 | 1.595244 | 0.182962 |
| MAP2K6 | 0.554821 | 0.591312 | 262.1304 | 2.655863 | 2.748454 | -0.09259 |
| CASP2 | 0.807467 | 0.243938 | 265.2843 | 1.893915 | 1.928513 | -0.0346 |
| BCR | 0.695318 | 0.392079 | 262.7761 | 3.912673 | 3.975871 | -0.0632 |
| CXADR | 0.00051 | -3.51679 | 276.9844 | 0.995191 | 0.775056 | 0.220136 |
| IL6 | 2.15E-07 | -5.32168 | 271.8825 | 1.520155 | 0.891993 | 0.628162 |
| PTX3 | 0.162456 | -1.40061 | 275.5007 | 1.154129 | 1.068832 | 0.085297 |
| ICAM4 | 0.659815 | 0.440644 | 276.7028 | 0.28334 | 0.316738 | -0.0334 |
| ITGA11 | 7.93E-06 | 4.553144 | 276.3954 | 1.438715 | 1.723342 | -0.28463 |
| CD4 | 0.011719 | -2.53756 | 273.1514 | 0.556333 | 0.438454 | 0.117879 |
| PRDX5 | 0.327497 | -0.98103 | 258.2933 | 3.196983 | 3.065957 | 0.131026 |
| ADA | 0.024672 | -2.25893 | 274.5578 | 0.774025 | 0.651574 | 0.12245 |
| VEGFA | 2.93E-05 | -4.24989 | 276.9734 | 1.336577 | 0.987606 | 0.34897 |
| HGF | 1.26E-15 | -8.50339 | 270.6824 | 1.321987 | 0.819837 | 0.502149 |
| PCDH1 | 2.67E-05 | -4.27239 | 274.9535 | -0.0049 | -0.11089 | 0.105987 |
| HPCAL1 | 0.791651 | -0.26444 | 260.6045 | 4.424177 | 4.384298 | 0.03988 |
| CKAP4 | 6.96E-08 | -5.54311 | 275.1459 | 1.003338 | 0.738382 | 0.264956 |
| IDS | 0.167823 | 1.383244 | 250.1963 | 0.246295 | 0.310871 | -0.06458 |
| BSG | 0.000107 | -3.93241 | 270.8437 | 0.481247 | 0.35574 | 0.125508 |
| DNAJA2 | 0.820419 | -0.22724 | 257.9022 | 4.650155 | 4.617994 | 0.032162 |
| CLSTN2 | 0.127993 | -1.52668 | 273.9992 | 0.271495 | 0.174815 | 0.096681 |
| KYNU | 0.000123 | -3.90055 | 251.7191 | 0.755247 | 0.457253 | 0.297993 |
| SIRPB1 | 2.13E-06 | -4.84281 | 276.7775 | 0.785297 | 0.43954 | 0.345758 |
| PDGFB | 0.06658 | -1.84195 | 269.5572 | 4.126897 | 3.901322 | 0.225574 |
| CRKL | 0.530178 | -0.62859 | 256.5435 | 4.806469 | 4.694183 | 0.112286 |
| TPP1 | 9.4E-09 | -5.92494 | 272.6535 | 1.022302 | 0.670811 | 0.351491 |
| ATP5IF1 | 0.379065 | -0.88111 | 261.7783 | 5.203364 | 5.029267 | 0.174097 |
| SKAP2 | 0.857605 | 0.179596 | 268.9639 | 5.839375 | 5.872347 | -0.03297 |
| MATN2 | 0.000111 | -3.92271 | 275.1572 | 0.806915 | 0.644388 | 0.162526 |
| LTBR | 4.38E-11 | -6.86808 | 273.4379 | 0.515746 | 0.215523 | 0.300223 |
| FST | 0.257435 | -1.13523 | 235.4889 | 0.664419 | 0.579052 | 0.085367 |
| LGMN | 0.000364 | -3.6103 | 271.7187 | 0.492991 | 0.299205 | 0.193787 |
| B4GALT1 | 4.36E-07 | -5.17671 | 275.188 | 0.77957 | 0.561796 | 0.217774 |
| NME3 | 0.098997 | 1.65596 | 247.5081 | 0.256683 | 0.311658 | -0.05498 |
| IFNGR1 | 0.000177 | -3.8017 | 276.4448 | 0.37914 | 0.252836 | 0.126304 |
| TIMP3 | 0.000436 | -3.56121 | 269.9272 | 4.285017 | 3.652562 | 0.632455 |
| F2R | 0.002453 | -3.05825 | 266.4016 | 1.369452 | 1.122895 | 0.246557 |
| CXCL10 | 2.18E-09 | -6.18875 | 276.6326 | 1.690936 | 1.097475 | 0.593461 |
| ANGPTL4 | 0.000229 | -3.73383 | 276.4859 | 0.591821 | 0.348131 | 0.24369 |
| MGLL | 0.739814 | -0.33246 | 258.8448 | 4.712229 | 4.660356 | 0.051873 |
| DNER | 0.000105 | 3.935148 | 274.6192 | -0.08648 | 0.04806 | -0.13454 |
| BTN2A1 | 2.37E-11 | -6.97031 | 273.2345 | 0.505742 | 0.205781 | 0.299961 |
| SHMT1 | 0.406255 | -0.83187 | 257.388 | 2.028002 | 1.918557 | 0.109445 |
| FIS1 | 0.184528 | -1.33044 | 262.4346 | 3.225097 | 3.062067 | 0.163029 |
| ANGPTL2 | 3.19E-10 | -6.52933 | 274.2212 | 1.468958 | 1.081876 | 0.387082 |
| TNFRSF11B | 6.25E-08 | -5.56332 | 276.5496 | 0.749838 | 0.474636 | 0.275202 |