**Figure 2- Supplementary file 2: Subcellular localization score of UBTD1 interactants in DU145 cell line.**

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| **display name**  | **canonical name**  | **cytoskel eton**  | **cytos****ol**  | **endoplasmic reticulum**  | **endos ome**  | **extracel lular**  | **golgi apparatus**  | **lysoso me**  | **mitochon drion**  | **nucle us**  | **peroxis ome**  | **plasma membrane**  |
| **GCN1L1**  | Q9UE60  | 1.215091  | 4.840246  | 1.340715  | 0.514348  | 0.571016  | 0.564747  |  | 1.159666  | 1.26687  | 0.793127  | 2.871718  |
| **AHSA1**  | O95433  | 1.533941  | 4.796758  | 3.788184  | 1.086602  | 4.315499  | 1.178179  | 1.415888  | 1.657786  | 2.594967  |   | 1.800087  |
| **RUVBL1**  | Q9Y265  | 5.0  | 4.688446  | 1.106869  | 0.883605  | 4.259567  | 2.1319   | 1.007378  | 1.640725  | 5.0  |   | 1.306787  |
| **EIF3G**  | O75821  | 1.206113  | 4.627732  | 1.012427  |  | 0.791495  |  |  | 1.027945  | 3.425  |   | 0.706857  |
| **ATXN10**  | Q9UBB4  | 1.465168  | 4.60019  | 0.948075  | 0.709695  | 4.204769  | 0.930428  | 0.739724  | 2.246374  | 2.173482  |  | 4.48727  |
| **PXN**  | P49023  | 5.0  | 4.847983  | 1.920373  | 1.983041  | 2.883947  | 1.702686   | 1.783985  | 1.868799  | 4.240972  | 0.779563  | 5.0  |
| **TAF4**  | O00268  | 1.241573  | 4.657276  | 0.961179  |  | 1.190505  |  | 0.727601  | 1.614828  | 5.0  | 0.615471  | 1.057419  |
| **CNOT1**  | A5YKK6  | 2.055359  | 4.522391  | 2.057374  | 1.509367  | 4.400774  | 1.348747  | 1.416246  | 2.229009  | 4.359076  | 4.317941  | 1.988091  |
| **CEBPB**  | P17676  | 2.321644  | 3.149692  | 2.355249  | 1.61157  | 2.710727  | 1.496301  | 1.950805  | 2.490564  | 5.0  | 2.23044  | 2.392295  |
| **TNPO1**  | Q92973  | 1.725854  | 4.809551  | 1.192125  | 0.984695  | 4.237441  | 1.060806  | 0.785969  | 1.532504  | 5.0  | 0.500042  | 1.421953  |
| **SSB**  | P05455  | 1.332922  | 2.737882  | 1.263703  | 1.333512  | 1.825754  | 0.704912  | 0.770528  | 1.23202  | 4.843777  |   | 1.462408  |
| **ARHGEF2**  | Q92974  | 5.0  | 4.669358  | 0.902016  | 1.390873  | 1.694368  | 3.460739  | 0.946923  | 1.098076  | 3.866915  |  | 5.0  |
| **ARHGDIA**  | P52565  | 5.0  | 4.704143  | 1.74858  | 1.725901  | 4.408866  | 1.510971  | 1.499573  | 2.192512  | 3.149299  | 0.574488  | 2.455299  |

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| **LETM1**  | O95202  | 1.052772  | 2.478619  | 1.877258  | 0.797284  | 1.14933  | 0.795467  | 0.868224  | 5.0  | 1.723088  | 0.705373  | 1.707579  |
| **VDAC3**  | Q9Y277  | 1.831003  | 3.429522  | 2.011313  | 1.1045 49  | 4.319307  | 1.1882   | 1.495076  | 5.0  | 4.346238  | 1.399323  | 1.962565  |
| **NDUFS1**  | P28331  | 1.474329  | 2.557521  | 1.200576  |  | 1.28687  |  | 0.966259  | 5.0  | 1.841555  | 0.812227  | 1.396299  |
| **FXR1**  | P51114  | 1.751938  | 4.865988  | 1.314984  | 0.7061 01  | 1.388806  | 1.265978   | 0.694 45  | 1.847423  | 4.590553  |   | 1.440418  |
| **FXR2**  | P51116  | 1.508916  | 4.69093  | 0.849419  |  | 1.011254  |  |  | 0.931144  | 4.246023  |  | 1.225587  |
| **RPS15A**  | P62244  | 1.73351  | 5.0  | 1.324716  | 1.366402  | 4.349345  | 1.083321  | 1.310609  | 1.704631  | 4.408945  | 0.535173  | 1.642984  |
| **MIF**  | P14174  | 2.160975  | 4.813884  | 1.887971  | 1.7735 25  | 5.0  | 1.438595   | 1.827 661  | 2.159752  | 4.651933  | 1.443439  | 4.46142  |
| **TOR1AIP1**  | Q5JTV8  | 2.452759  | 1.5  | 1.450253  |  | 0.568286  |  |  | 0.581808  | 5.0  |   | 0.503319  |
| **DDX17**  | Q92841  | 1.673421  | 3.998248  | 1.280733  | 1.2410 88  | 1.832866  | 0.956845  | 1.051126  | 1.398781  | 5.0  |   | 1.61063  |
| **RPA1**  | P27694  | 1.680286  | 2.614403  | 0.714878  |   | 1.439109  | 0.615655  | 0.602 929  | 1.857689  | 5.0  |   | 1.483385  |
| **RPS12**  | P25398  | 1.169993  | 5.0  | 0.891864  |  | 1.725928  | 4.0  |  | 2.374403  | 4.258529  |  | 0.852723  |
| **APEX1**  | P27695  | 4.606842  | 3.228833  | 5.0   | 1.59168  | 2.228213  | 1.58509   | 1.666 506  | 5.0  | 5.0  | 2.12045   | 2.361982   |
| **CCDC77**  | Q9BR77  | 5.0  | 0.9375  |  |  |  |  |  | 1.21875  | 3.360692  |   |  |
| **BCLAF1**  | Q9NYF8  | 1.58351  | 2.536698  | 1.247691  | 0.935735  | 1.565036  | 0.920485  | 0.994242  | 1.50569  | 5.0  |   | 1.40992  |
| **ANLN**  | Q9NQW6  | 5.0  | 1.316461  | 1.149984  | 1.467498  | 1.687015  | 0.988508  | 0.674243  | 1.134575  | 4.81878  |   | 2.220536  |
| **CORO1B**  | Q9BR76  | 5.0  | 5.0  | 0.779074  | 1.157383  | 4.209503  | 0.72068  | 0.932009  | 1.625663  | 1.865665  |  | 4.67704  |

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| **IPO9**  | Q96P70  | 1.458869  | 4.303356  |   |   | 1.21714  |   |   | 1.273886  | 4.004228  |  | 0.867307  |
| **ELAC2**  | Q9BQ52  | 1.184398  | 1.932814  |  |  | 1.203479  |   |  | 5.0  | 5.0  | 0.502606  | 1.331661  |
| **AQR**  | O60306  | 1.184732  | 2.872651  | 1.054282  | 0.60452  | 1.524437  |  | 0.881513  | 1.079435  | 5.0  |  | 1.391933  |
| **SERPINB1**  | P30740  | 1.646027  | 3.116773  | 1.420642  | 0.748668  | 5.0  | 0.861177  | 1.637115  | 2.580054  | 2.897746  | 0.65625  | 1.951211  |
| **UBA6**  | Q9H3T7  | 1.16992  | 4.466951  | 1.27643  | 0.762486  | 0.759179  | 0.573219  | 1.341407  | 1.487023  | 4.144526  | 0.544683  | 0.797858  |
| **ETF1**  | P62495  | 1.193942  | 4.408919  | 1.324392  | 0.880343  | 1.204747  | 1.004263  | 0.96593  | 1.502967  | 2.556547  | 1.808087  | 1.382784  |
| **BZW1**  | Q7L1Q6  | 1.081745  | 2.370155  | 1.058955  | 0.668386  | 1.09518  | 0.583978  | 0.531294  | 3.1544  | 1.532288  |   | 1.035102  |
| **ANP32A**  | P39687  | 1.758644  | 2.907049  | 5.0  | 1.232371  | 1.445613  | 1.054389  | 1.150555  | 1.595607  | 5.0  |  | 1.518619  |
| **PLIN3**  | O60664  | 1.702435  | 4.813473  | 2.086476   | 4.447843  | 1.725193  | 4.476577   | 2.062569  | 1.92501  | 2.507793  | 1.797358  | 1.779989   |
| **CPSF7**  | Q8N684  | 0.866371  | 2.705241  |  |  |  |  |  | 0.588496  | 5.0  |  |  |
| **PSME3**  | P61289  | 1.471257  | 4.686729  | 1.466626  | 0.854948  | 1.526327  | 0.786232  | 1.359135  | 2.10389  | 4.71991  | 0.714977  | 1.1951  |
| **PFN2**  | P35080  | 5.0  | 3.347903  | 1.229674  | 1.167017  | 4.516612  | 0.932085  | 0.764917  | 1.376878  | 1.828949  | 0.556891  | 1.623235  |
| **DNMT1**  | P26358  | 2.389226  | 2.716019  | 1.848865  | 1.317338  | 2.533577  | 1.1676  | 1.548293  | 3.093947  | 4.899117  | 1.478985  | 2.251609  |
| **ALDH18A1**  | Q5T567  | 1.395263  | 3.997889  | 1.42207   | 0.986572  | 1.635409  | 1.352184   | 0.860988  | 5.0  | 1.845315  | 1.461389  | 1.893035  |
| **SMC2**  | O95347  | 1.334931  | 4.505888  |  |  | 4.118437  |  |  | 1.857122  | 5.0  | 0.359375  | 0.733523  |
| **KHSRP**  | Q92945  | 1.797895  | 4.478587  | 1.301104  | 0.897643  | 2.277968  | 0.817249  | 0.681207  | 1.408862  | 4.91513  |  | 1.247022  |

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| **SARS**  | P49591  | 1.417206  | 4.733514  | 1.313492  |  | 4.281338  | 1.283786  | 0.947897  | 1.819621  | 3.970884  | 0.799807  | 1.417017  |
| **CTSB**  | P07858  | 2.484458  | 2.960273  | 2.369421   | 4.576282  | 4.779081  | 2.194314   | 5.0   | 2.661655  | 4.720031  | 1.49327   | 4.092922  |
| **UBTD1**  | Q9HAC8  |  | 1.568182  |  |   |  |  |  | 0.663037  | 1.687694  |  | 1.568182  |
| **PSMD1**  | Q99460  | 2.572496  | 4.629795  | 1.30737  |  | 4.235682  | 0.766967  | 4.206422  | 1.648957  | 4.631705  | 0.375  | 1.16397  |
| **CYFIP1**  | Q7L576  | 1.97117  | 4.448696  | 0.752275  | 0.89506  | 4.234544  | 0.805913  | 0.585138  | 1.604654  | 2.211781  | 0.46875   | 1.653584  |
| **CDC5L**  | Q99459  | 1.996775  | 1.226968  | 1.129416  | 0.542724  | 1.201766  | 0.708082  | 0.625923  | 1.226925  | 5.0  |  | 1.122818  |
| **ITGA2**  | P17301  | 2.374233  | 1.9285  | 1.758858  | 1.543294  | 2.848831  | 1.382631  | 1.549472  | 1.611963  | 3.323366  | 0.955896  | 5.0  |
| **AKR1B1**  | P15121  | 2.129566  | 4.864753  | 2.048199  | 1.135122  | 4.498387  | 1.283371  | 2.901939  | 2.543819  | 4.672603  | 1.752297  | 2.340827  |
| **SLC16A3**  | O15427  | 3.073825  | 2.110607  | 1.517227  | 1.207767  | 2.42947  | 0.889546  | 1.57283  | 2.603376  | 4.607247  | 1.251838  | 5.0  |
| **APRT**  | P07741  | 1.762928  | 4.775939  | 1.449361  | 0.987228  | 4.405583  | 0.852144  | 1.05211  | 2.002213  | 4.698357  | 1.15168   | 1.701326  |
| **ITGA3**  | P26006  | 2.192458  | 1.420426  | 1.677701  | 1.35303  | 4.613721  | 2.517169   | 1.227806  | 1.331131  | 1.850571  |  | 5.0  |
| **POLDIP2**  | Q9Y2S7  | 1.462619  | 1.656751  | 1.389962  | 0.886801  | 1.385112  |  | 0.64689  | 4.344554  | 3.640811  | 0.522358  | 1.692191  |
| **PLOD2**  | O00469  | 1.783861  | 1.817405  | 5.0  | 0.502699  | 4.569753  | 0.81507   | 0.953991  | 1.975028  | 2.088053  | 1.011725  | 1.631725  |
| **FAM120A**  | Q9NZB2  | 0.975633  | 4.571185  | 0.748623  |  | 0.87977  |  |  | 1.012042  | 4.026387  | 1.289276  | 3.317843  |
| **DNM2**  | P50570  | 5.0  | 5.0  | 2.046428  | 3.621623  | 4.407181  | 4.61674  | 2.280344  | 3.81244  | 3.318263  | 1.524601  | 5.0  |
| **PSMD7**  | P51665  | 1.424539  | 4.304928  | 2.23653  | 0.961271  | 4.263489  | 0.576367  | 1.139031  | 1.418127  | 4.696296  | 0.28125  | 1.801707  |

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| **SERPINH1**  | P50454  | 2.154165  | 1.88692  | 5.0  | 1.374731  | 4.260538  | 1.894827  | 1.643268  | 2.152767  | 2.111754  | 1.579731  | 2.327877  |
| **RPS19**  | P39019  | 1.558318  | 5.0  | 1.375284  | 0.6227 28  | 4.356379  | 0.61671   | 0.998 072  | 2.11033  | 5.0  |   | 1.542383   |
| **NEMF**  | O60524  | 0.922414  | 3.260286  | 0.791049  |  | 0.662503  |  |  | 0.906909  | 4.173291  |  |  |
| **EIF2AK2**  | P19525  | 1.784162  | 4.694707  | 2.260054  | 1.562231  | 1.76886  | 1.290649  | 1.533246  | 1.971126  | 5.0  | 0.859818  | 1.603396  |
| **DNAJA2**  | O60884  | 2.22085  | 5.0  | 1.540465  | 0.580901  | 4.298474  | 0.824127  | 1.419823  | 1.799726  | 3.05584  | 0.683193  | 1.256668  |
| **GLG1**  | Q92896  | 3.630843  | 1.126602  | 1.565685  | 1.107388  | 4.411896  | 4.708799  | 1.174195  | 1.267348  | 1.439583  | 0.9375   | 4.459433  |
| **GSPT1**  | P15170  | 1.359335  | 4.776174  | 1.147713  | 0.579236  | 1.318949  | 0.548472  | 0.609266  | 1.17055  | 2.390879  |   | 0.950869  |
| **RUVBL2**  | Q9Y230  | 4.335223  | 4.727527  | 0.989691  | 0.983693  | 4.254731  | 0.667908  | 0.692309  | 1.406729  | 5.0  |  | 2.050432  |
| **RAP1B**  | Q6LES0  | 2.107022  | 5.0  | 1.443951  | 1.312721  | 4.385536  | 1.204965  | 4.231078  | 1.780406  | 2.811897  | 0.28125  | 5.0  |
| **PRMT5**  | Q9UKH1  | 1.835788  | 5.0  | 1.244535  | 0.6705 42  | 1.899327  | 5.0   | 0.950 538  | 1.766597  | 5.0  | 1.293363  | 1.672877   |
| **SF3A3**  | Q12874  | 0.982817  | 1.92863  | 0.529972  |  | 0.67823  |   |   | 0.836471  | 5.0  | 0.28125   |  |
| **SRPK1**  | Q96SB4  | 1.554526  | 4.737298  | 3.341796  | 0.778477  | 1.377319  |  |  | 1.057186  | 5.0  |  | 4.506289  |
| **HDAC2**  | Q92769  | 2.372703  | 3.093234  | 2.635296  | 1.2826  | 2.236414  | 1.100366  | 1.564375  | 3.815919  | 5.0  | 1.317185  | 2.093791  |
| **RAB11B**  | Q8NI07  | 3.358403  | 4.687999  | 0.815795  | 4.269467  | 4.180354  | 1.507879  | 0.695153  | 0.837553  | 0.995674  |   | 1.169886  |
| **COPB1**  | P53618  | 2.688222  | 4.691826  | 4.353219  | 1.387059  | 1.242027  | 4.629188  | 1.169992  | 0.910765  | 1.546777  |  | 4.316295  |
| **DDX21**  | Q9NR30  | 1.599444  | 4.607565  | 1.269149  | 1.377419  | 1.712993  | 0.923474  | 1.062573  | 3.778566  | 5.0  | 0.571512  | 1.558367  |

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| **SAR1A**  | Q9NR31  | 1.188387  | 3.257285  | 3.913967  | 1.401944  | 1.356927  | 3.267104   | 0.956516  | 1.092143  | 2.387266  |  | 1.436129  |
| **PSMD12**  | O00232  | 2.936491  | 4.725545  | 1.21395  | 0.549849  | 4.183648  |  | 1.219413  | 1.530812  | 4.630843  | 1.125  | 0.767561  |
| **GFPT1**  | Q06210  | 1.959715  | 4.421596  | 1.805585  | 1.093243  | 4.413844  | 1.435292  | 1.438096  | 2.229146  | 2.937122  | 0.986992  | 1.923708  |
| **THOP1**  | P52888  | 1.176659  | 4.803072  | 1.530439  | 1.116737  | 1.698051  | 0.858532  | 1.365026  | 3.562894  | 2.641711  |  | 1.639408  |
| **RPL27**  | P61353  | 1.496506  | 4.425041  | 4.332587  | 0.588357  | 4.300631  | 0.748902  | 0.771977  | 2.39398  | 4.430736  | 0.65625  | 1.346339  |
| **CBR1**  | P16152  | 1.508475  | 4.649797  | 1.842172  | 0.651623  | 4.302729  | 0.690937  | 1.099372  | 2.086707  | 2.595692  | 1.200456  | 1.550443  |
| **ATP1A1**  | Q9UJ21  | 1.71557  | 1.73462  | 3.686532  | 2.859888  | 4.352376  | 3.456746  | 1.300419  | 1.775966  | 2.288064  | 0.580497  | 5.0  |
| **ARHGEF1**  | Q92888  | 2.257554  | 4.759597  | 1.538468  | 1.368115  | 2.191197  | 1.473319  | 1.324643  | 2.017157  | 3.526243  | 0.714127  | 4.6648  |
| **SOD2**  | Q96EE6  | 2.384274  | 3.005358  | 2.281861  | 1.461473  | 4.501162  | 1.264124   | 2.050998  | 5.0  | 2.788516  | 2.216898  | 2.470916  |
| **HECTD1**  | Q9ULT8  | 0.614679  | 2.511285  | 0.1875  |  | 0.927696  |  | 0.955583  | 0.961614  | 1.424659  | 0.28125   | 0.609375  |
| **COPA**  | P53621  | 2.052247  | 4.624937  | 4.266453  | 0.920124  | 5.0  | 5.0   |   | 1.350273  | 2.983831  |   | 1.043442  |
| **SCRN1**  | Q12765  | 1.169253  | 3.542309  | 0.852341  | 0.58776  | 0.946227  |  |  | 0.822777  | 5.0  |  | 0.881086  |
| **POLD1**  | P28340  | 1.404426  | 4.658375  | 0.756215  |   | 1.395414  | 0.839842   | 0.730801  | 1.615266  | 5.0  | 0.674134  | 1.261792  |
| **PPAT**  | Q06203  | 1.875766  | 4.541052  | 0.510736  |  | 0.913462  |  |  | 1.903365  | 1.399761  | 0.648358  | 0.967722  |
| **CUL2**  | Q13617  | 1.889869  | 4.698265  | 1.586806  | 1.166937  | 1.667129  | 0.834052  | 1.365914  | 1.833142  | 4.735232  | 0.9375  | 1.579054  |
| **SYNCRIP**  | Q96LC2  | 1.66798  | 3.512525  | 3.502214  | 1.257635  | 1.632893  | 1.006105  | 0.881371  | 1.451421  | 5.0  | 0.547088  | 1.456347  |

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| **VAPA**  | J3QKM9  | 3.227844  | 3.403103  | 5.0  | 2.4085 29  | 1.893369  | 3.401545  | 4.41693  | 1.884605  | 3.727861  | 1.594997  | 5.0  |
| **NANS**  | Q9NR45  | 1.249447  | 4.660525  | 1.256565  |  | 4.360855  | 1.451559  | 0.884743  | 1.050589  | 3.030387  |  | 1.451802  |
| **PSMD14**  | O00487  | 1.712118  | 4.783912  | 1.666736  | 1.565476  | 4.262095  | 0.994485  | 1.834667  | 1.941262  | 4.601046  | 0.715941  | 1.421006  |
| **SNX2**  | O60749  | 1.593857  | 4.067711  | 1.474686  | 5.0  | 1.073344  | 2.369762  | 4.427684  | 1.168696  | 2.365771  | 0.842541  | 1.783409  |
| **IPO7**  | O95373  | 1.534362  | 4.76158  | 1.094935  | 1.080739  | 1.384095  | 0.710964  | 0.871122  | 1.801259  | 5.0  | 0.28125  | 1.96191  |
| **SLC16A1**  | P53985  | 5.0  | 1.992622  | 1.469455  | 1.246551  | 4.436563  | 1.007445  | 1.495653  | 2.399425  | 1.997953  | 1.376453  | 5.0  |
| **PSMC6**  | P62333  | 2.20353  | 4.833885  | 1.528831  | 1.29065  | 4.460734  | 0.977385  | 1.413543  | 1.821507  | 5.0  | 1.914538  | 3.046232  |
| **G3BP2**  | Q9UN86  | 1.386709  | 4.975565  | 1.183401  | 0.927486  | 1.282506  | 0.554954  | 0.990453  | 1.013646  | 1.739015  |  | 1.060747  |
| **SNRNP70**  | Q9UE45  | 1.652217  | 2.685087  | 1.142628  | 1.177374  | 1.813714  | 1.040972  | 0.980466  | 1.504977  | 5.0  | 0.539243  | 1.530754  |
| **SQSTM1**  | Q13501  | 2.684205  | 4.739704  | 4.119259  | 4.037254  | 4.455776  | 2.013564  | 4.688929  | 3.871455  | 5.0  | 2.414128  | 2.299193  |
| **SEC24C**  | P53992  | 1.219586  | 5.0  | 4.409911  | 1.42203  | 1.135053  | 3.19345   | 1.140 128  | 0.838294  | 2.723901  |   | 1.515321  |
| **ACTBL2**  | Q562R1  | 3.611948  | 3.127334  | 0.510055   |   | 4.181849  |   |   | 1.032031  | 1.179414  |  | 0.501358  |
| **NOL6**  | Q9H6R4  | 0.792304  | 1.848567  |  |  | 0.517605  |  |  | 4.4937  | 4.660841  | 0.5625  | 0.920861  |
| **NMT1**  | P30419  | 3.11686  | 4.846783  | 1.641768  | 1.275691  | 1.575676  | 1.460263  | 1.211933  | 3.37303  | 3.031326  | 1.09548  | 4.588425  |
| **ENSP000003 20295**  | Q13509  | 5.0  | 1.746068  | 1.460399  | 1.209926  | 4.431312  | 1.026291  | 1.323435  | 1.818132  | 4.484443  | 0.629338  | 1.925523  |
| **RAD23B**  | P54727  | 1.49504  | 4.707969  | 1.245748  | 0.652808  | 1.130329  | 0.64885  | 0.940247  | 1.366703  | 5.0  |  | 1.08357  |

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| **NCEH1**  | Q6PIU2  | 0.803065  | 2.622204  | 4.379565  | 0.979739  | 2.306636  | 2.628865  | 1.591319  | 1.607839  | 1.278505  | 1.540732  | 1.779483  |
| **SUB1**  | P53999  | 1.444913  | 1.87763  | 1.098251  | 0.9900 54  | 4.339709  | 1.26915  | 0.96557  | 1.471803  | 5.0  |  | 1.533435  |
| **ACAT2**  | Q9BWD1  | 0.868566  | 4.574638  | 1.470793  |   | 4.282755  | 0.822557  | 0.626 289  | 3.880548  | 4.45804  | 2.710722  | 1.171606  |
| **SRP72**  | O76094  | 1.266071  | 4.75153  | 5.0  |   | 0.81539  | 0.689462  |  | 0.943101  | 3.324531  |  | 2.309307  |
| **TXNDC5**  | Q8NBS9  | 1.117051  | 2.862542  | 5.0  |   | 4.417009  | 0.979845   | 4.259922  | 1.588873  | 1.385394  | 0.82748   | 1.471812  |
| **RPL26**  | P61254  | 1.37379  | 4.676215  | 1.267232  |  | 4.270584  |  | 0.732829  | 1.898711  | 4.732252  |  | 1.081251  |
| **LTA4H**  | P09960  | 1.55662  | 4.851964  | 1.517118  | 0.999662  | 4.457343  | 0.762657  | 1.546 671  | 1.774147  | 4.751011  | 1.480171  | 2.067474  |
| **NUP205**  | Q92621  | 1.248211  | 2.700664  | 0.830984  | 0.7890 87  | 0.763513  | 0.955099  |   | 0.758197  | 5.0  |   | 3.04409  |
| **EIF3L**  | Q9Y262  | 0.92094  | 4.478077  | 1.006837  |  | 0.693349  | 0.968747  |  | 0.976564  | 3.910031  |  | 0.647927  |
| **ICAM1**  | P05362  | 2.988362  | 2.938787  | 2.407199  | 2.410844  | 5.0  | 1.848571  | 2.474575  | 2.701142  | 3.28672  | 2.017285  | 4.892737  |
| **MYO5B**  | Q9ULV0  | 4.246662  | 3.398311  | 1.390676  | 2.450476  | 4.277717  | 1.893703  | 1.763739  | 1.810915  | 3.330747  | 1.076885  | 2.345223  |
| **EPHA2**  | P29317  | 2.43298  | 2.000162  | 1.97115  | 2.0927 26  | 2.538504  | 1.377678   | 1.844 82  | 1.740769  | 2.36344  | 0.944942  | 5.0  |
| **THRAP3**  | Q9Y2W1  | 1.204753  | 2.172954  | 0.544953  |  | 4.190877  |  |  | 0.943629  | 5.0  |  | 0.745841  |
| **SEPT2**  | Q15019  | 5.0  | 3.829339  | 1.264515  | 1.3392 33  | 4.355855  | 1.359584   | 1.012463  | 1.648765  | 5.0  | 0.873689  | 4.393222  |
| **PCMT1**  | Q99625  | 1.328267  | 4.829118  | 0.775218  |  | 4.220935  |  | 0.687554  | 1.097866  | 1.258599  |  | 1.004989  |
| **CEP170**  | Q5SW79  | 5.0  | 4.655355  | 1.261037  | 0.97503  | 1.180833  | 1.334517  | 0.708912  | 1.84924  | 3.570748  | 0.46875  | 1.448259  |

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| **CAPNS1**  | P04632  | 2.062108  | 4.775811  | 1.927851  | 1.522462  | 4.446895  | 1.31935  | 1.65717  | 2.134691  | 3.565581  | 0.531627  | 4.403013  |
| **TPD52L2**  | A0A087WYR3  | 1.215016  | 3.034739  | 0.989333  | 0.71176  | 1.769092  | 0.627351  | 0.661119  | 1.150049  | 2.274184  |  | 1.119413  |
| **ALYREF**  | Q86V81  | 2.232566  | 4.589757  | 1.863045  | 1.673564  | 4.562522  | 1.467854  | 1.704709  | 2.112289  | 5.0  | 1.248204  | 2.257479  |
| **SLC7A5**  | Q01650  | 1.567532  | 4.602783  | 1.559869  | 1.663665  | 4.416211  | 1.110406  | 3.801442  | 1.996371  | 2.809952  | 1.105641  | 5.0  |
| **SLC2A1**  | P11166  | 5.0  | 3.651272  | 2.663644  | 2.036657  | 4.579026  | 4.367082  | 2.185621  | 3.055603  | 3.704274  | 2.006739  | 5.0  |
| **EIF3F**  | O00303  | 1.643707  | 4.428325  | 1.360193  | 0.807222  | 1.389638  | 0.739142  | 1.254707  | 2.554755  | 2.17337  | 0.28125  | 1.221756  |
| **LAMC1**  | P11047  | 1.811951  | 1.06565  | 4.510208  | 0.5846   | 5.0  | 0.735734   | 1.208074  | 1.052782  | 1.558916  | 0.5625   | 1.758201  |
| **RPL23A**  | P62750  | 1.252449  | 4.617931  | 1.350958  |  | 4.212248  |  | 0.613544  | 1.294672  | 5.0  |  | 1.07173  |
| **MCM3**  | P25205  | 4.557266  | 1.533008  | 1.16022  | 0.629433  | 1.495599  | 0.975215  | 0.720666  | 1.494145  | 5.0  | 0.61712  | 1.220834  |
| **LAP3**  | P28838  | 1.451771  | 4.732929  | 1.261971  | 0.842049  | 4.355268  | 2.690217  | 1.59234  | 3.206505  | 4.532251  | 0.679838  | 1.669987  |
| **ARCN1**  | P48444  | 1.12428  | 4.478345  | 4.395533   | 1.3610 85  | 0.987317  | 4.608104   | 1.006 791  | 1.963827  | 1.190331  | 0.65625   | 0.923733  |
| **SART3**  | Q15020  | 1.157024  | 0.88684  |  |  | 1.039372  |  |  | 0.895693  | 5.0  |  | 0.827449  |
| **YWHAH**  | Q04917  | 1.840382  | 4.699625  | 1.419348  | 0.9478 94  | 4.301606  | 0.843676  | 0.910 108  | 2.991432  | 2.760304  | 0.600741  | 4.319674  |
| **EFTUD2**  | Q15029  | 1.003275  | 4.600629  | 0.525736  |  | 0.831208  | 0.610268  |  | 1.36903  | 5.0  |  | 0.569253  |
| **CKAP4**  | Q07065  | 5.0  | 4.58089  | 5.0  | 1.367985  | 4.247973  | 1.710885  | 4.252163  | 1.608283  | 4.735392  | 1.178127  | 5.0  |
| **S100A6**  | P06703  | 2.25166  | 5.0  | 1.707839  | 1.314528  | 4.448429  | 1.39129  | 1.311909  | 2.481732  | 5.0  | 0.667011  | 5.0  |

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| **ACTL6A**  | O96019  | 1.80021  | 3.799178  | 0.557901  | 0.59054  | 1.199492  |  |  | 1.161914  | 5.0  | 0.552713  | 4.206291  |
| **CAV2**  | P51636  | 2.07346  | 1.947833  | 2.007559  | 1.760566  | 2.124395  | 5.0  | 1.686908  | 1.720693  | 5.0  | 1.337017  | 5.0  |
| **DIAPH1**  | O60610  | 4.457464  | 4.623975  | 1.125616  | 1.182039  | 1.713874  | 1.148368  | 1.03031  | 1.278893  | 4.599525  |  | 4.359613  |
| **ERBB2IP**  | Q9NW48  | 1.755257  | 2.4384  | 1.194604  | 1.388003  | 4.323421  | 0.915832  | 1.21529  | 3.127938  | 5.0  | 1.739595  | 5.0  |
| **PRMT1**  | Q99873  | 1.80096  | 4.433961  | 1.365455  | 0.842678  | 1.794024  | 0.797741  | 1.12442  | 2.259798  | 5.0  | 0.887429  | 1.778104  |
| **TPR**  | P12270  | 5.0  | 2.81054  | 1.569615  | 1.227003  | 2.156395  | 1.715712  | 1.431623  | 1.778372  | 5.0  | 0.812488  | 1.977672  |
| **RPL30**  | P62888  | 1.387548  | 5.0  | 1.465718  |  | 4.273081  | 0.585986  | 0.567188  | 2.234846  | 5.0  | 0.62355  | 1.244311  |
| **MKI67**  | P46013  | 1.962634  | 2.082264  | 1.148431  | 0.866588  | 1.952019  | 0.700357   | 0.684487  | 2.724367  | 5.0  | 0.884085  | 1.722797  |
| **RPL15**  | P61313  | 1.215782  | 4.603942  | 1.040706  |  | 1.584604  |  |   | 1.273652  | 4.586715  |   | 1.224816  |
| **SF3B3**  | Q15393  | 1.142564  | 1.05109  | 0.849846  | 0.773313  | 0.959088  | 0.714616  |  | 1.027716  | 5.0  |  | 3.133209  |
| **EIF3E**  | P60228  | 1.363866  | 4.720021  | 1.278224  | 0.825161  | 4.237223  | 0.726093   | 0.545896  | 1.687211  | 5.0  | 0.260366  | 1.055583  |
| **PRPF4**  | O43172  | 0.687353  | 1.40625  | 0.630951  |  |  |  |  | 1.216593  | 5.0  |  | 0.633985  |
| **FTH1**  | P02794  | 3.464269  | 4.669939  | 1.771922  | 1.799562  | 4.455813  | 1.315753  | 5.0  | 2.241224  | 4.583835  | 1.682957  | 2.057514  |
| **SLC35B2**  | Q8TB61  | 1.08842  | 1.59609  | 3.464394  | 0.977841  | 1.493106  | 5.0   | 0.720485  | 1.354492   | 1.722136  | 0.70819   | 3.628886   |
| **LRRC47**  | Q8N1G4  | 0.715608  | 3.29415  | 0.612712   |   |  |   |   |  | 3.411171  |   |   |
| **ANP32E**  | Q9BTT0  | 0.827954  | 2.448695  |  |  | 0.611919  |  |  | 0.84375  | 5.0  |  |  |

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| **TOP1**  | P11387  | 2.472716  | 3.236677  | 1.754726  | 1.528986  | 2.304267  | 1.576686  | 1.772689  | 2.531789  | 5.0  | 1.110276  | 2.239303  |
| **KIF11**  | P52732  | 5.0  | 4.911665  | 1.195031  | 1.285853  | 1.614766  | 1.287283  | 1.169712  | 1.531915  | 4.263099  | 0.629618  | 1.710259  |
| **AP3B1**  | O00203  | 1.115621  | 2.117938  | 1.049066  | 1.396676  | 1.237948  | 4.469618  | 4.376497  | 1.425035  | 2.940224  |  | 1.829239  |
| **PHB2**  | Q99623  | 1.846999  | 3.514288  | 1.695913  | 0.99957  | 1.676375  | 1.723064  | 1.597385  | 5.0  | 5.0  | 1.216994  | 1.915935  |
| **NFKB2**  | Q00653  | 2.105781  | 4.799756  | 1.570268  | 1.331027  | 2.226084  | 0.956267  | 1.565255  | 1.92885  | 5.0  | 0.995883  | 2.224697  |
| **AKAP12**  | Q02952  | 3.832421  | 4.778148  | 1.3835  | 0.621472  | 1.74327  | 0.814934   | 0.684991  | 1.269167  | 3.302746  |   | 4.716987  |
| **RBM25**  | Q9UIE9  | 1.231662  | 2.201867  | 0.932003  | 0.542802  | 0.760113  |  | 0.586615  | 1.281485  | 5.0  |  | 0.872754  |
| **KARS**  | Q15046  | 3.01531  | 5.0  | 1.501852  | 1.240823  | 4.371839  | 1.314465  | 1.291209  | 5.0  | 5.0  | 0.647172  | 3.952817  |
| **ERAP2**  | Q6P179  | 1.116616  | 1.961041  | 4.490158  | 1.516036  | 1.577281  | 1.113487  | 1.314148  | 3.738037  | 1.603454  | 0.1875  | 1.473222  |
| **PSMA1**  | P25786  | 4.522065  | 4.487719  | 1.318956  | 0.989636  | 4.381651  | 0.801509  | 1.252 105  | 1.55779  | 4.702963  | 0.839895  | 1.462887  |
| **DHX15**  | O43143  | 1.163318  | 1.458105  | 0.9156  | 0.7081 12  | 1.177232  | 0.623704   |  | 1.3572  | 5.0  |   | 0.956453  |
| **PRPF19**  | Q9UMS4  | 3.643198  | 2.20434  | 0.642537  |  | 1.018279  |  | 0.695692  | 0.992889  | 5.0  |  | 1.97753  |
| **NPLOC4**  | Q8TAT6  | 1.442606  | 4.635963  | 5.0  | 1.703017  | 1.080739  | 1.513276  | 1.656504  | 1.658448  | 4.6579  | 0.936171  | 1.465026  |
| **HADHA**  | P40939  | 1.659771  | 2.257841  | 1.765878  | 0.817973  | 1.862742  | 1.065863  | 1.205891  | 5.0  | 2.282181  | 2.163795  | 1.903964  |
| **XPO1**  | O14980  | 2.415981  | 4.811667  | 1.967963  | 1.828573  | 2.050587  | 1.692657  | 1.656672  | 2.276395  | 5.0  | 1.232167  | 2.25032  |
| **WARS**  | P23381  | 2.476158  | 4.753085  | 1.6828  | 1.087244  | 4.409975  | 1.06444  | 1.322763  | 1.977334  | 4.460272  | 1.177841  | 1.977612  |

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| **NUP93**  | Q8N1F7  | 1.51837  | 2.06395  | 1.216001  | 0.783751  | 1.130726  | 1.068014  |  | 1.123907  | 5.0  |  | 0.90019  |
| **GOLGA2**  | Q08379  | 5.0  | 3.083586  | 2.653354  | 2.714569  | 2.105998  | 5.0  | 2.490496  | 2.056985  | 3.716634  | 1.229177  | 2.403038  |
| **HSD17B4**  | P51659  | 1.227002  | 4.541556  | 1.776397  | 0.812307  | 1.357537  | 0.804068  | 1.131273  | 2.255536  | 2.008373  | 5.0   | 1.275286  |
| **PDLIM7**  | Q9NR12  | 4.636186  | 4.689046  | 1.216476  | 1.5138 09  | 1.811808  | 1.034699   | 1.629 25  | 1.369481  | 4.749536  |   | 1.71026  |
| **PCNA**  | P12004  | 5.0  | 2.893203  | 0.234375  |  | 4.313285  |  |  | 1.009878  | 5.0  |  | 0.772902  |
| **HNRNPDL**  | O14979  | 2.093464  | 4.440221  | 1.543385  | 1.278474  | 1.847236  | 0.972053  | 1.170423  | 2.059854  | 5.0  | 0.722276  | 1.680347  |
| **CTPS1**  | P17812  | 2.69597  | 4.688968  | 1.726509  | 0.8458   | 1.766486  | 1.098467   | 0.503712  | 2.048123   | 2.296325  | 1.4789   | 2.520081  |
| **TMEM33**  | P57088  | 0.733017  | 0.812025  | 5.0  |   | 0.614299  |   | 0.647216  |  | 4.228866  |   | 3.0  |
| **RPL7A**  | P62424  | 1.348076  | 4.566875  | 1.184763  |   | 1.165813  |   | 0.7289  | 1.372286  | 4.582922  |   | 1.310389  |
| **EIF4H**  | Q15056  | 1.260938  | 4.758123  | 1.034002  |   | 1.021288  |   | 0.633329  | 1.118101  | 4.218997  |  | 0.804046  |
| **UQCRC1**  | P31930  | 1.535989  | 4.690978  | 1.464854  |   | 1.282404  |   | 0.952 535  | 4.859672  | 1.690376  | 1.032169  | 1.249436  |
| **XPOT**  | O43592  | 1.054603  | 4.671215  | 0.756409  |  | 0.881166  |  |  | 1.095221  | 5.0  | 0.500992  | 1.523724  |
| **SRRM2**  | Q9UQ35  | 1.667107  | 1.358  | 1.330832  | 1.083569  | 1.699375  | 1.144508  | 1.000668  | 1.308433  | 5.0  |   | 1.535978  |
| **HLA-A**  | Q9TPR8  | 1.911904  | 2.242929  | 5.0   | 4.3744 82  | 4.614262  | 5.0   | 2.178 75  | 1.980153   | 2.273003  |   | 5.0  |
| **SPECC1L**  | Q69YQ0  | 4.258288  | 4.0  |  |  | 0.644741  |  |  |  | 0.834253  |  | 0.86222  |
| **CLPX**  | O76031  | 1.5958  | 4.689795  | 1.397168  | 1.058798  | 1.880771  | 1.356223  | 0.904208  | 5.0  | 4.576789  | 1.182531  | 1.474876  |

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| **SRP68**  | Q9UHB9  |  | 4.739119  | 4.385978  |  | 0.638035  | 0.621073  |  | 1.171003  | 5.0  |   | 0.932855  |
| **EWSR1**  | Q01844  | 2.563811  | 2.715334  | 1.360218  | 1.252571  | 2.040274  | 1.723545  | 1.281456  | 1.651827  | 4.915249  |  | 3.804677  |
| **PPA1**  | Q15181  | 1.861381  | 4.732416  | 1.710945  | 1.559711  | 4.356375  | 1.713287  | 1.468971  | 2.320521  | 2.606288  | 1.496413  | 2.151864  |
| **ATIC**  | P31939  | 1.397065  | 4.745884  | 0.945274  | 0.660787  | 4.319314  | 1.021767  | 0.896559  | 2.075028  | 2.562592  | 0.559186  | 4.560133  |
| **ERO1L**  | Q96HE7  | 1.487874  | 2.093758  | 5.0  | 0.969618  | 3.002487  | 1.729807  | 1.492763  | 2.16399  | 1.905324  | 1.362421  | 1.83103  |
| **PTGES3**  | Q15185  | 1.75226  | 4.587107  | 1.717679  | 0.970901  | 2.122586  | 1.272265  | 1.173547  | 1.603319  | 5.0  | 0.726796  | 1.691182  |
| **STAT3**  | P40763  | 3.177867  | 4.820637  | 2.721474  | 2.470029  | 3.506854  | 2.548627  | 2.596942  | 3.867235  | 5.0  | 2.12475  | 4.646251  |
| **RANGAP1**  | P46060  | 3.280773  | 4.802856  | 1.356531   | 0.990388  | 1.216956  | 1.148987   | 0.966349  | 1.429856  | 4.783898  | 0.58371  | 1.501435  |
| **RECQL**  | P46063  | 1.325429  | 2.170487  |  |  | 0.868581  |  |  | 1.42074  | 4.9013  | 0.1875  | 0.704956  |
| **ST13**  | P50502  | 1.766246  | 4.890494  | 1.75546  | 1.472591  | 4.328642  | 1.074348  | 1.868686  | 1.77992  | 2.052465  | 0.773832  | 1.730045  |
| **PRKCDBP**  | Q969G5  | 1.396661  | 3.745497  | 0.913431  | 0.960421  | 2.165689  | 0.774317  | 0.563132  | 1.25124  | 2.632208  |  | 5.0  |
| **ACO2**  | Q99798  | 1.669206  | 4.041839  | 1.742609  | 1.123361  | 1.720362  | 1.18147  | 1.480988  | 4.883309  | 1.955953  | 1.763518  | 1.758566  |
| **EEA1**  | Q15075  | 2.60969  | 5.0  | 2.475392  | 5.0  | 4.462096  | 2.870393  | 3.258744  | 2.05033  | 4.157553  | 1.403952  | 5.0  |
| **HADHB**  | P55084  | 1.401139  | 1.711282  | 5.0  | 1.030503  | 1.752151  | 1.169076   | 1.162583  | 5.0   | 3.242164  | 2.189022  | 1.711134  |
| **EPB41L2**  | O43491  | 4.382133  | 4.569582  | 1.034085  | 0.66736  | 4.215401  |  | 0.512899  |  | 4.662487  |  | 4.658528  |
| **CALR**  | P27797  | 2.585784  | 5.0  | 5.0  | 2.370127  | 4.546387  | 3.639318  | 2.535317  | 2.637619  | 5.0  | 1.773622  | 3.736244  |

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| **CNN2**  | Q99439  | 5.0  | 3.80797  | 0.674859  |  | 4.319073  |  |  | 0.917465  | 3.106665  |  | 1.03089  |
| **EMC1**  | Q8N766  | 2.288826  | 1.122781  | 5.0  | 1.1754 09  | 1.572438  | 1.129239   | 0.812 722  | 1.223521  | 1.094461  | 1.787113  | 1.899635  |
| **NASP**  | Q9BTW2  | 1.354286  | 2.32773  | 1.785178  |  | 1.285912  |  |  | 1.151541  | 5.0  |   | 1.079224  |
| **SEPT9**  | Q9UHD8  | 5.0  | 1.879484  | 1.027287  | 1.336348  | 1.65898  | 1.078142  | 0.956879  | 1.67361  | 3.349424  |   | 1.709538  |
| **PDLIM5**  | Q96HC4  | 4.572845  | 4.783578  | 1.481254  | 1.052915  | 1.853013  | 2.17118  | 1.087555  | 1.566573  | 4.101553  |  | 2.873202  |
| **KDELR1**  | P24390  | 1.760887  | 2.008749  | 5.0  | 1.914435  | 1.850931  | 5.0  | 1.740375  | 1.883037  | 1.978596  | 1.718606  | 2.906825  |
| **TRAP1**  | Q12931  | 1.330003  | 2.72031  | 1.851023  | 0.562342  | 1.15027  | 0.512464  | 1.099789  | 5.0  | 4.486932  | 0.679055  | 1.133752  |
| **FEN1**  | P39748  | 1.98145  | 2.771319  | 1.272842  | 0.878167  | 1.7592  | 0.953687  | 0.934005  | 5.0  | 5.0  | 0.927816  | 2.725145  |
| **GLRX3**  | O76003  | 1.337822  | 4.660726  | 1.761456  | 0.823144  | 1.425462  | 1.161371  | 0.689043  | 2.539981  | 4.352593  | 1.076994  | 2.546893  |
| **HDGF**  | P51858  | 1.839898  | 2.830208  | 1.180976  | 0.7573 58  | 3.879863  | 0.935415  | 1.073548  | 1.401424  | 5.0  |  | 1.794039  |
| **PSMC3**  | P17980  | 1.349484  | 4.779308  | 1.095536  |   | 4.201753  | 0.814808  | 1.053 185  | 1.262764  | 4.642706  | 1.938447  | 0.901535  |
| **CLUH**  | O75153  | 0.73307  | 2.056361  | 0.642504  |  | 0.1875  | 0.1875  |  | 1.773641  | 2.567859  |  | 0.532309  |
| **PFKL**  | P17858  | 1.637273  | 5.0  | 1.039475  | 0.501145  | 4.325309  | 0.99521  | 0.819572  | 3.03637  | 3.347951  | 1.388164  | 1.542725  |
| **UPF1**  | Q92900  | 1.773126  | 4.581762  | 1.534359  | 0.916104  | 1.833275  | 1.001074  | 0.92381  | 2.10764  | 5.0  | 0.756028  | 1.501438  |
| **MARS**  | P56192  | 1.065826  | 5.0  | 1.317537  | 0.6667 23  | 4.331541  | 0.733256  | 0.750 89  | 2.051174  | 4.325453  | 1.512191  | 1.568724  |
| **API5**  | Q9BZZ5  | 1.149258  | 2.633764  | 0.884841  |  | 1.340597  | 1.078125  |  | 1.394841  | 5.0  | 1.078125  | 1.090552  |

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| **MCM6**  | Q14566  | 1.789406  | 2.540228  | 0.930442  | 0.522361  | 1.466329  | 0.682905  |  | 2.659747  | 5.0  | 0.521656  | 1.281501  |
| **DEK**  | P35659  | 1.582789  | 2.637244  | 0.907746  | 0.850201  | 1.701938  | 0.853168   | 0.641983  | 1.421682  | 5.0  |  | 1.685807  |
| **KIAA0368**  | Q5VYK3  | 5.0  | 2.680345  | 5.0  | 5.0  | 0.963394  |  | 1.002624  | 1.451161  | 5.0  | 0.509839  | 0.823477  |
| **ADAR**  | P55265  | 1.896807  | 3.012176  | 1.597786  | 1.688787  | 2.040671  | 1.200445  | 1.312228  | 1.924408  | 5.0  | 0.663994  | 1.94622  |
| **ARF4**  | P18085  | 1.884337  | 5.0  | 2.132999   | 2.017713  | 4.322041  | 3.99655  | 1.420229  | 1.972089  | 1.535404  | 0.623667  | 5.0  |
| **CEP131**  | Q9UPN4  | 5.0  | 4.387684  |  | 0.567398  | 4.157356  | 0.617797  | 0.640479  | 0.63469  | 3.530801  |  | 0.937952  |
| **MACF1**  | Q9UPN3  | 5.0  | 3.133441  | 1.53671  | 1.0850 91  | 1.632001  | 5.0  | 0.71952  | 1.762342  | 1.952944  | 0.5625  | 5.0  |
| **RTCB**  | Q9Y3I0  | 1.709744  | 4.705146  | 4.350191  |  | 1.398199  | 1.038502  | 0.597189  | 1.157566  | 5.0  | 0.384215  | 1.47091  |
| **EIF4G1**  | Q6ZN21  | 2.136103  | 4.922778  | 2.028381  | 1.587189  | 1.974948  | 1.266277  | 1.766845  | 2.498465  | 4.431566  | 0.969723  | 1.88236  |
| **UGGT1**  | Q9NYU2  | 0.92929  | 1.521952  | 5.0  | 0.951768  | 4.22628  | 1.833274  | 1.530923  | 1.203295  | 1.055297  | 0.28125  | 2.925659  |
| **PGM1**  | Q9NTY4  | 3.648318  | 4.282363  | 1.442943   | 0.8790 41  | 4.343042  | 1.269321   | 1.388 534  | 2.398958  | 1.914574  | 0.679082  | 1.603022  |
| **DHX30**  | Q7L2E3  | 0.782536  | 4.491743  |  |  | 0.710659  |  |  | 5.0  | 3.46844  |  | 0.519707  |
| **VPS35**  | Q9NZK2  | 2.220131  | 5.0  | 1.836833   | 5.0   | 4.335853  | 2.759843   | 4.532 752  | 2.076755  | 2.466547  | 1.445292  | 2.207531   |
| **TAF5**  | Q15542  | 4.418251  | 1.640625  |  |  |  |   |  | 0.792969  | 5.0  |  |  |
| **USP10**  | Q14694  | 1.066498  | 4.904351  | 0.953325  | 5.0   | 0.880276  |  | 1.294297  | 0.999245  | 5.0  | 0.596583  | 1.070931  |
| **ACAT1**  | P24752  | 1.098976  | 2.828739  | 1.414688  |  | 4.314671  | 1.080897  | 0.876577  | 5.0  | 1.46019  | 1.929242  | 1.362983  |

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| **PRPF6**  | O94906  | 1.065365  | 2.320801  |  |  | 0.894071  |  |  | 1.119166  | 5.0  |   | 0.659857  |
| **EIF4A3**  | P38919  | 1.643078  | 4.608456  | 1.290301  | 0.752813  | 1.434326  | 1.25285   | 0.64327  | 1.746323  | 5.0  |   | 1.298339  |
| **SRSF6**  | Q13247  | 1.707776  | 1.47352  | 1.049973  | 0.57854  | 1.775718  |  |  | 1.186863  | 5.0  |  | 1.360312  |
| **PSMD4**  | P55036  | 3.685922  | 4.869998  | 2.610957  | 2.590634  | 3.057141  | 2.324171  | 2.634756  | 2.904895  | 4.844752  | 1.870677  | 3.018464  |
| **CD97**  | P48960  | 1.437788  | 2.328836  | 0.999691  | 1.003954  | 4.399684  | 0.57694  | 0.837733  | 0.901642  | 1.417695  |   | 4.748173  |
| **RPS5**  | P46782  | 1.455074  | 5.0  | 1.164305  | 0.637929  | 4.344618  | 0.529656  | 0.696014  | 1.867869  | 4.410869  |  | 1.611051  |
| **ANXA3**  | P12429  | 2.421386  | 4.85572  | 1.953803  | 2.405162  | 4.505839  | 1.702674  | 2.016407  | 1.991668  | 3.07933  | 1.186845  | 5.0  |
| **RPS9**  | P46781  | 1.582034  | 5.0  | 1.227014  | 0.705477  | 4.323591  | 0.791954   | 0.816902  | 1.748254  | 5.0  | 1.050227  | 1.368411  |
| **BUB3**  | O43684  | 2.656932  | 4.521355  | 0.743274  | 0.525426  | 1.196749  |  |  | 1.3688  | 4.813444  |   | 1.156178  |
| **CAND1**  | Q9P0H7  | 1.503156  | 4.557867  | 1.162361  | 0.764414  | 4.233756  | 4.196055  | 0.94759  | 1.357663  | 5.0  |  | 1.305446  |
| **PYGB**  | P11216  | 1.742777  | 3.548967  | 1.428574  |  | 4.327185  | 0.716358  | 4.148595  | 1.714436  | 2.112616  | 0.834592  | 2.221824  |
| **HYOU1**  | Q9Y4L1  | 1.595897  | 2.019735  | 5.0  | 1.533591  | 4.476332  | 2.34152   | 1.647318  | 1.984197  | 1.819641  | 1.107178  | 1.641425  |
| **UBA2**  | Q9UBT2  | 1.533973  | 2.089761  | 1.15037  | 0.766579  | 0.968463  |  | 0.846564  | 1.192086  | 5.0  | 0.5625  | 1.868398  |
| **LGALS1**  | P09382  | 1.939222  | 4.515037  | 4.315603  | 1.090456  | 4.660329  | 1.375251  | 1.360663  | 1.73228  | 4.050106  | 0.785608  | 3.038988  |
| **GART**  | P22102  | 1.534623  | 4.463629  | 1.44302  | 0.939914  | 4.339634  | 0.666791  | 0.658878  | 3.281145  | 3.147094  | 0.968747  | 1.626599  |
| **CDH3**  | P22223  | 2.513026  | 2.781098  | 1.778528  | 1.099726  | 2.733639  | 1.239642  | 1.494436  | 1.423646  | 2.230619  | 0.1875  | 5.0  |

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| **PICALM**  | Q13492  | 1.721875  | 4.65923  | 1.419261  | 4.424975  | 1.899922  | 3.648819  | 1.883008  | 2.08364  | 4.526439  | 0.62083  | 5.0  |
| **EGFR**  | Q9H2C9  | 3.357401  | 4.1174  | 4.096149  | 5.0  | 5.0  | 4.025279  | 3.138368  | 2.935627  | 5.0  | 2.122968  | 5.0  |
| **ESYT1**  | Q9BSJ8  | 1.491537  | 3.538436  | 5.0  | 1.364262  | 1.099383  | 1.333292   | 1.119704  | 2.189365  | 1.920011  | 1.638158  | 3.902833  |
| **RPL5**  | P46777  | 1.498044  | 4.765362  | 4.252967  | 0.5129 58  | 4.284071  |  | 0.775515  | 2.303572  | 5.0  |   | 1.226905  |
| **RPS20**  | P60866  | 1.526355  | 5.0  | 1.321719  |  | 4.278849  | 0.666625  | 0.569996  | 1.684692  | 4.503007  |  | 2.204219  |
| **TXNRD1**  | Q7LA96  | 1.798297  | 4.69439  | 1.989038  | 0.921031  | 4.408548  | 0.777012  | 1.489946  | 4.280634  | 5.0  | 1.593729  | 2.028872  |
| **ARHGAP5**  | Q6DHZ3  | 2.150293  | 4.639507  | 4.0  | 0.702236  | 1.459435  | 0.782932  | 0.523938  | 0.685065  | 2.264807  | 0.28125  | 3.629513  |
| **SEC23A**  | Q15436  | 1.491308  | 5.0  | 5.0  | 1.037065  | 1.619787  | 3.270567  | 1.132117  | 0.723485  | 3.25877  | 0.457304  | 1.324915  |
| **FUS**  | P35637  | 2.540769  | 3.02112  | 2.03268  | 1.8522 95  | 2.21638  | 1.743888   | 1.981474  | 2.410629  | 5.0  | 1.174606  | 2.110969  |
| **GNL3**  | Q9BVP2  | 2.684441  | 2.383526  | 0.922549  |  | 4.288922  |  | 0.686391  | 1.257563  | 4.895572  |  | 1.1169  |
| **SCFD1**  | Q9Y6A8  | 1.052904  | 4.754713  | 3.863533  | 1.655018  | 0.849525  | 5.0  | 1.228237  | 1.205861  | 2.171705  | 0.5625  | 4.44077  |
| **PSMC2**  | P35998  | 1.159714  | 4.776195  | 1.155019  | 0.6169 83  | 4.191519  | 0.691076  | 1.060707  | 1.293798  | 4.517963  | 1.652205  | 0.925227  |
| **PRPS1L1**  | P21108  | 1.07884  | 3.215075  | 0.577418  |  | 1.090488  | 0.708812  | 0.630572  | 1.670925  | 1.273079  |  | 1.084608  |
| **TJP2**  | Q9UDY2  | 2.631574  | 4.720081  | 1.44516  | 1.537685  | 2.299212  | 1.293096  | 1.524197  | 1.70615  | 4.620489  | 0.648618  | 4.692847  |
| **GMPS**  | P49915  | 1.55862  | 4.794172  | 1.268273  | 0.9254 15  | 1.99327  | 1.042707   | 1.317 218  | 2.486677  | 3.143578  | 0.999602  | 1.962284  |
| **TMPO**  | P42166  | 1.332805  | 2.034991  | 1.060641  |  | 1.291714  |  |  | 1.012167  | 5.0  |  | 1.036872  |

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| **SKIV2L2**  | P42285  | 0.997948  | 2.507153  | 0.661737  |  | 2.347802  |  |  | 1.648111  | 5.0  | 0.375  |  |
| **SDHA**  | P31040  | 2.116911  | 2.223162  | 1.749332  | 1.22605  | 2.077855  | 1.266133  | 1.584548  | 5.0  | 4.487755  | 1.458924  | 1.958395  |
| **SET**  | Q01105  | 2.09907  | 5.0  | 5.0  | 1.493425  | 2.114274  | 1.911275  | 1.571839  | 2.164469  | 5.0  | 1.457699  | 2.076436  |
| **NBR1**  | Q14596  | 1.962903  | 5.0  | 2.158388  | 4.441604  | 1.565198  | 1.628586  | 4.094835  | 2.387962  | 4.64037  | 2.411524  | 1.737205  |
| **TRIM28**  | Q13263  | 1.688403  | 2.258754  | 1.130601   | 0.990083  | 2.020186  | 0.592256   | 1.138591  | 1.521108  | 5.0  | 0.605159  | 1.679709   |
| **HNRNPUL2**  | Q1KMD3  | 0.844871  | 1.546875  |  |  |  |  |   | 0.617268   | 4.686483  |   |  |
| **FHOD1**  | Q9Y613  | 5.0  | 4.722847  | 0.755896  | 0.987176  | 1.416689  | 0.683065   |   |  | 4.294549  |  | 1.674821  |
| **DLST**  | P36957  | 1.099559  | 3.424558  | 1.123514  |   | 0.952996  |  |  | 5.0  | 5.0  | 0.668589  | 0.976446  |
| **EIF2A**  | Q9BY44  | 0.965016  | 4.452165  | 2.145154  |   | 4.224746  | 1.021464   | 0.932882  | 2.747483  | 2.504657  | 1.581103  | 1.036502  |
| **RPL23**  | P62829  | 0.730274  | 4.746341  | 1.828215  |   | 4.142413  |   |  | 2.033439  | 4.250424  |  | 1.018974  |
| **PSMD13**  | H0YD73  | 1.295105  | 4.300902  | 0.984527  |  | 4.185814  |  | 1.273269  | 1.420876  | 4.654617  | 0.46875  | 0.723728  |
| **TAGLN2**  | P37802  | 2.921324  | 4.76403  | 1.154671   | 0.96858  | 4.396989  | 0.610382   | 0.979539  | 1.447411  | 2.406005  | 0.736619  | 1.493487  |
| **MIB1**  | Q86YT6  | 5.0  | 4.540289  |  | 0.718994  | 0.747987  |  | 0.650045  | 1.247644  | 3.00041  |  | 3.853382  |
| **PSAT1**  | Q9Y617  | 1.771211  | 4.845275  | 1.614588  | 1.105399  | 4.384128  | 1.166562  | 1.230249  | 2.089233  | 3.129005  | 1.369846  | 1.745948  |
| **SHMT2**  | P34897  | 4.686938  | 2.321191  | 1.283228  |  | 4.365677  | 1.285597  | 1.212661  | 5.0  | 5.0  | 2.513633  | 1.65208  |
| **FKBP4**  | Q02790  | 3.863655  | 4.889343  | 1.781357  | 1.240001  | 4.358006  | 1.216925  | 1.374619  | 3.772958  | 4.815766  | 1.948543  | 1.835657  |

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| **RPL18A**  | Q02543  | 1.193406  | 5.0  | 1.05027  | 0.772979  | 1.47341  | 0.629329  | 0.52829  | 1.5104  | 3.157272  |   | 0.98611  |
| **NLN**  | Q9BYT8  | 1.073776  | 3.002781  | 0.976243  | 0.531608  | 4.289665  | 0.814929  | 1.094421  | 4.475871  | 1.820428  |  | 2.909  |
| **EIF4A2**  | Q14240  | 2.926865  | 4.7892  | 1.893255  | 1.26711  | 1.818195  | 1.03855  | 1.405924  | 1.892517  | 3.928267  | 0.839611  | 1.689407  |
| **NUP188**  | Q5SRE5  | 1.256336  | 2.726951  | 0.913561  |  | 0.524352  | 0.970718  |  | 1.231352  | 4.710614  |   | 1.116609  |
| **MATR3**  | P43243  | 1.725382  | 1.382324  | 1.380654  | 0.977849  | 1.237038  | 0.64122  | 0.872249  | 1.581433  | 5.0  |   | 1.245178  |
| **CDC37**  | Q16543  | 1.451198  | 4.747133  | 1.11122  |  | 4.209723  | 0.520203  | 0.785347  | 1.29263  | 2.607399  |   | 1.317945  |
| **MAPRE1**  | Q15691  | 5.0  | 4.834103  | 1.285158  | 1.239148  | 1.32419  | 3.496014  | 0.84128  | 1.227559  | 3.252354  |   | 3.355133  |
| **RANBP1**  | P43487  | 3.806595  | 4.67768  | 1.119191  | 1.027828  | 1.093363  | 1.14954  | 0.631419  | 1.384183  | 4.456344  |   | 1.282948  |
| **RRBP1**  | Q9P2E9  | 1.475088  | 1.918869  | 4.886035   | 0.613155  | 2.225105  | 0.866827  | 0.810815  | 1.594117  | 1.771945  |   | 1.395688  |
| **STRN3**  | Q13033  | 2.347119  | 3.382647  |  |  | 0.615854  | 5.0  |   | 0.804869  | 5.0  |  | 5.0  |
| **SF3A1**  | Q15459  | 1.19193  | 2.573209  | 0.699952  | 0.576965  | 1.053724  | 0.627364   |  | 1.039916  | 5.0  | 1.171875  | 1.6956  |
| **GTF2I**  | Q75M88  | 1.529712  | 2.937494  | 1.318441  |   | 1.582916  |   | 0.557186  | 0.93417  | 5.0  | 0.1875   | 1.558  |
| **FARSB**  | Q9NSD9  | 0.810212  | 4.664159  | 0.631701  |  | 0.638956  |  |  | 0.985431  | 2.101771  |   | 0.529403  |
| **DSG2**  | Q14126  | 2.472095  | 1.50456  | 1.663891  | 1.311426  | 4.435016  | 1.006203  | 1.218098  | 1.237531  | 1.947884  |  | 5.0  |
| **RARS**  | P54136  | 2.444746  | 5.0  | 1.314356  | 0.515492  | 4.419153  | 0.772033   | 0.876851  | 2.009897  | 4.807008  | 2.266837  | 1.903214  |
| **EIF4G2**  | Q8NI71  | 1.474934  | 4.79761  | 1.440816  | 0.665076  | 2.070257  |  | 0.930808  | 2.319627  | 2.714277  |  | 2.156101  |

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| **PDIA4**  | P13667  | 1.496826  | 1.875 545  | 4.870944   | 1.2072 92  | 5.0  | 1.763496  | 1.480 173  | 1.812295  | 1.706777  | 1.036334  | 1.67284  |
| **PIBF1**  | Q8WXW3  | 5.0  |  |  |  | 5.0  | 0.620393  |  | 0.46875  | 5.0  |  | 0.848873  |
| **CAD**  | P27708  | 1.292811  | 4.583786  | 1.178369  | 0.797733  | 4.253969  | 0.790429  | 0.870814  | 2.06987  | 4.616133  | 1.376945  | 2.589036  |
| **G3BP1**  | Q13283  | 2.046526  | 5.0  | 1.84549  | 1.6202  | 1.681537  | 1.356764  | 1.500677  | 1.714358  | 4.603436  | 0.974828  | 1.658191  |
| **SRRM1**  | Q8IYB3  | 1.96538  | 4.284062  | 1.318396  | 0.846164  | 1.638397  | 1.312124  | 0.826511  | 1.238867  | 5.0  |  | 1.704075  |
| **PRDX4**  | Q13162  | 1.717035  | 4.441879  | 4.39614  | 1.021206  | 4.565805  | 1.143832  | 1.327702  | 2.290859  | 4.370847  | 2.201486  | 2.232333  |
| **EIF4B**  | P23588  | 1.764404  | 4.846995  | 1.546272  | 1.1035 86  | 1.625499  | 0.789329  | 1.513 07  | 1.692497  | 3.784422  | 0.755737  | 2.809828  |
| **IARS2**  | Q9NSE4  | 0.903845  | 4.696823  | 0.882991  |  | 0.943282  | 0.599376  |  | 4.855773  | 1.811834  |  | 0.96538  |
| **MCM2**  | P49736  | 4.609003  | 2.646924  | 1.099343  | 0.674652  | 1.69929  | 0.926215  | 0.733748  | 1.608101  | 5.0  | 0.846226  | 1.491324  |
| **OGT**  | O15294  | 3.012132  | 5.0  | 2.261806  | 1.483423  | 2.384788  | 1.942379  | 1.995459  | 3.98631  | 5.0  | 1.451221  | 5.0  |
| **SYNGR2**  | O43760  | 0.902443  | 0.82891  | 1.008362  | 1.414941  | 4.200867  | 2.352875  | 0.844856  | 0.674089  | 0.892423  |  | 3.447152  |
| **FAF2**  | Q96CS3  | 1.111255  | 2.857404  | 4.436101  | 0.970861  | 4.235117  | 1.283232  | 4.245073  | 1.44019  | 2.867117  | 1.46753  | 1.132072  |
| **RPN2**  | P04844  | 1.043721  | 1.136704  | 4.655154  | 1.058485  | 2.383421  | 1.430381  | 1.277205  | 1.049339  | 1.122487  | 0.1875  | 1.752383  |
| **NCBP1**  | Q09161  | 1.652712  | 4.715256  | 1.258126  | 0.773833  | 1.719974  | 0.645895   | 0.75159  | 4.520726  | 5.0  | 0.547162  | 1.517478  |
| **MYL6B**  | P14649  | 4.582428  | 4.663052  | 1.691152  | 0.672562  | 4.39173  |  | 0.944263  | 1.991303  | 2.261896  |  | 1.850364  |
| **LONP1**  | P36776  | 1.436294  | 4.684306  | 1.625665  | 0.696151  | 1.367788  | 0.825707  | 1.417257  | 5.0  | 4.428949  | 2.288746  | 1.367347  |

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| **LRRFIP1**  | Q32MZ4  | 4.2777  | 4.75803  | 1.363681  | 1.76122  | 1.449094  | 1.004439  | 1.274 215  | 1.343501  | 5.0  | 0.740579  | 4.515626  |
| **NUP155**  | O75694  | 1.403916  | 1.96  | 1.327793  |  | 1.195151  | 0.939844  |  | 0.783714  | 5.0  | 0.1875  | 2.23897  |
| **LPP**  | Q93052  | 3.77385  | 4.828573  | 1.3488   | 1.00247  | 2.082855  | 1.099856   | 0.947 37  | 1.4117  | 5.0  | 1.098502  | 5.0   |
| **TAF6**  | P49848  | 1.038938  | 4.61188  |  |   |  |  |  | 0.91213  | 5.0  | 0.1875  |  |
| **GSS**  | P48637  | 1.241669  | 4.471527  | 1.487779  |   | 4.378643  | 0.76221   | 1.020 148  | 2.054818  | 3.286161  | 1.78081  | 1.691749  |
| **SMARCC2**  | Q8TAQ2  | 1.415746  | 2.251962  | 0.740712  |  | 1.015944  |  |  | 1.018805  | 5.0  | 0.624265  | 1.015384  |
| **HPRT1**  | P00492  | 2.627573  | 4.836996  | 2.057679  | 1.7912 97  | 4.569523  | 1.592318  | 1.975148  | 2.675348  | 3.513154  | 1.70346  | 3.111414  |
| **PFAS**  | O15067  | 1.236412  | 4.657101  | 0.9758  |  | 4.316898  | 1.302477  | 0.790533  | 2.567712  | 3.593137  | 1.573415  | 2.472415  |
| **SDPR**  | O95810  | 1.720526  | 5.0  | 1.725321  | 1.341184  | 1.973556  | 2.139902  | 1.336074  | 2.404361  | 4.629637  | 1.518503  | 5.0  |
| **CD2AP**  | Q9Y5K6  | 5.0  | 4.806404  | 2.455223  | 1.964434  | 4.561165  | 1.634873  | 1.920329  | 2.50641  | 4.769519  | 1.014596  | 4.762731  |
| **HDLBP**  | Q00341  | 1.650682  | 4.717106  | 1.384237   | 0.529473  | 3.606621  | 0.65903  | 0.916172  | 1.306612  | 4.085655  |   | 4.281705  |
| **GAPVD1**  | Q96CZ4  | 1.175493  | 5.0  |  | 3.719612  | 0.787487  | 1.127593  | 1.213927  | 0.705255  | 0.816281  |  | 4.614155  |
| **SNX6**  | Q9UNH7  | 1.623311  | 4.005857  | 1.269336  | 5.0  | 1.150644  | 2.21362  | 1.981235  | 1.149127  | 3.967219  | 0.768245  | 1.642105  |
| **CCT2**  | P78371  | 5.0  | 5.0  | 1.348304  | 1.189657  | 4.274642  | 0.860295  | 4.190076  | 1.903795  | 1.823439  |   | 1.422554  |
| **EIF5**  | P55010  | 1.39904  | 4.809843  | 1.509272  | 0.725814  | 1.232438  | 0.848823  | 0.877405  | 1.746597  | 2.617952  |   | 4.516831  |
| **CPNE1**  | Q99829  | 1.289484  | 5.0  | 0.618114  | 1.187852  | 4.240668  | 0.801784  | 4.200131  | 0.937746  | 5.0  |  | 3.611921  |

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| **PAICS**  | P22234  | 2.04042  | 4.423189  | 2.033741  | 1.483915  | 4.39125  | 1.785178  | 1.442495  | 2.49389  | 2.559272  | 1.488319  | 2.277334  |
| **RBM14**  | Q96PK6  | 1.320072  | 1.302563  | 0.66811  | 0.911172  | 1.397158  | 0.78635  | 0.958713  | 1.106409  | 5.0  | 0.627443  | 1.242168  |
| **BAG3**  | O95817  | 3.35934  | 4.852977  | 1.898515  | 1.535205  | 1.898305  | 1.323192  | 2.198768  | 2.068448  | 5.0  | 1.070241  | 4.686772  |
| **EIF3A**  | Q14152  | 2.894622  | 4.603363  | 0.837102  | 0.56275  | 1.610286  | 0.549498  | 0.836 221  | 1.094167  | 4.787694  |  | 2.042615  |
| **QARS**  | P47897  | 1.015859  | 5.0  | 0.949588  |   | 1.039251  | 0.584756   |   | 4.372925  | 1.525485  | 0.529194  | 1.033647  |
| **EIF3K**  | Q9UBQ5  | 1.290203  | 4.778153  | 1.364766   |   | 1.279058  |   |  | 1.1122   | 3.92103  | 0.553017  | 1.090134   |
| **IRF2BP1**  | Q8IU81  |  | 0.166703  |  |   |  |   | 0.533 221  |  | 5.0  |   |  |
| **UBAP2L**  | Q14157  | 1.039705  | 3.078259  | 0.763012  |  | 0.614871  |  |  | 0.817882  | 5.0  |  | 0.561261  |
| **CDC42**  | P60953  | 5.0  | 4.764546  | 4.466121  | 2.728223  | 4.591174  | 4.003702  | 2.395196  | 2.609221  | 3.440005  | 1.374448  | 5.0  |
| **OTUB1**  | Q96FW1  | 1.820756  | 4.596912  | 1.38712  | 1.500228  | 4.319206  | 0.926058  | 1.451893  | 2.578059  | 4.688281  |  | 1.447627  |
| **PPP1CC**  | P36873  | 2.279495  | 4.727662  | 1.942543  | 1.292928  | 1.952794  | 1.137285  | 1.005443  | 5.0  | 5.0  | 0.559153  | 3.738907  |
| **HNRNPL**  | P14866  | 1.678438  | 3.540918  | 1.374599  | 0.7842 58  | 4.351411  | 0.733625   | 0.939 044  | 1.996749  | 5.0  | 0.553171  | 1.633779  |
| **RBBP4**  | Q09028  | 1.585696  | 4.626641  | 0.574144  |  | 1.336574  |  |  | 1.150675  | 5.0  |  | 1.103913  |
| **TNPO3**  | Q9Y5L0  | 1.424402  | 2.513036  | 1.066468   | 1.1478 85  | 1.47795   | 1.003613  | 0.648 107  | 1.324812   | 5.0  | 0.1875   | 1.356457   |
| **FAM184B**  | Q9ULE4  |  | 1.468753  |  |   |  | 0.578125   |   |  | 2.333046  |   |  |
| **IPO4**  | Q8TEX9  | 2.18342  | 3.59605  | 0.695261  |  | 0.840965  |  |  | 1.081258  | 5.0  |  | 0.676739  |

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| **AP1G1**  | O43747  | 1.337162  | 4.721666  | 1.110384  | 5.0  | 1.47063  | 5.0  | 4.333683  | 2.787538  | 1.530312  |   | 1.810704  |
| **HM13**  | A0A0C4D GU3  | 1.180437  | 1.563143  | 5.0  | 1.519607  | 1.655692  | 1.366596  | 1.52229  | 1.607533  | 1.543705  |  | 4.298971  |
| **KTN1**  | Q86UP2  | 2.016583  | 1.241044  | 5.0  | 0.939583  | 1.546867  | 1.434933  | 0.956824  | 1.566184  | 1.608551  | 0.99331  | 4.27223  |
| **DPP3**  | Q9NY33  | 1.082826  | 4.336493  | 1.029274  | 0.748851  | 4.26139  | 0.712798  | 1.504722  | 1.243556  | 1.395903  | 0.730111  | 1.115195  |
| **SLC3A2**  | P08195  | 1.83485  | 4.636783  | 2.140655  | 1.72276  | 4.494783  | 1.264055  | 3.76302  | 2.17733  | 4.610428  | 1.571886  | 5.0  |
| **UAP1**  | Q16222  | 1.126712  | 4.75908  | 1.380663  |  | 1.473973  | 1.250216  | 0.851657  | 1.337145  | 4.565622  | 1.21875  | 4.496155  |
| **ADK**  | P55263  | 1.753144  | 4.806714  | 1.290019  | 0.823082  | 2.430734  | 0.785948  | 1.147501  | 2.814698  | 4.689014  | 2.008988  | 2.762005  |
| **SEC31A**  | Q6ZU90  | 1.536747  | 4.684731  | 5.0  | 1.49051  | 1.272451  | 3.310001  | 1.315159  | 1.214027  | 3.224081  |  | 1.477772  |
| **IDH2**  | P48735  | 2.092012  | 3.990391  | 1.729412  | 1.059981  | 4.434888  | 1.245724  | 1.360698  | 5.0  | 2.599194  | 3.354074  | 2.13986  |
| **USP14**  | P54578  | 1.749014  | 4.787265  | 1.95202  | 1.653019  | 4.294479  | 1.09193  | 2.030246  | 1.694062  | 4.226482  | 0.688635  | 3.680878  |
| **YARS**  | P54577  | 1.797455  | 4.846037  | 1.374366  | 0.976362  | 4.38446  | 1.007375  | 1.471169  | 1.983163  | 4.607789  |  | 1.887294  |
| **ASAH1**  | Q13510  | 1.363299  | 3.112093  | 1.932733  | 2.009415  | 5.0  | 1.821227   | 5.0  | 2.150987   | 5.0  | 1.620661  | 1.989739  |
| **HERC2**  | Q86YY8  | 5.0  | 4.475196  | 0.575811  |  | 0.716172  |  | 0.691518  |  | 5.0  | 0.612011  | 4.0  |
| **LASP1**  | Q14847  | 4.429647  | 3.972759  | 0.814463  | 0.908217  | 1.565312  | 0.604462  | 0.595508  | 1.072289  | 3.630523  |   | 2.690811  |
| **OFD1**  | O75665  | 5.0  | 4.468072  | 1.00579  | 1.006555  | 2.681359  | 1.201075  | 1.130335  | 0.954292  | 4.160264  |  | 1.57149  |
| **MCM5**  | P33992  | 1.817508  | 3.632593  | 1.171045  |  | 1.529917  | 0.751245  | 0.754367  | 1.630689  | 4.845329  | 0.573729  | 1.353564  |

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| **MCM7**  | P33993  | 2.19674  | 4.542116  | 1.348246  | 0.88079  | 1.902847  | 0.956519  | 1.028 181  | 1.799589  | 5.0  | 0.791861  | 1.646133  |
| **RPS7**  | P62081  | 3.561464  | 5.0  | 0.921274   |   | 1.236307  | 0.570827   |   | 1.619283   | 5.0  |   | 1.091702   |
| **PPP4R1**  | Q8TF05  | 1.378506  | 2.87826  |  |   | 0.593885  |  |  |  | 3.461892  |   |  |
| **MCM4**  | P33991  | 1.806523  | 2.773606  | 0.963642  |  | 1.435901  | 0.665856  | 0.623049  | 1.429843  | 4.911639  |  | 1.308585  |
| **STAT1**  | P42224  | 2.617418  | 4.810753  | 2.437124  | 2.470859  | 3.284052  | 2.249912  | 2.384 636  | 2.604809  | 5.0  | 1.829918  | 2.870409  |
| **RPL29**  | P47914  | 1.48805  | 4.425804  | 1.17766   | 0.57043  | 1.343889  | 0.824101   |   | 1.462588  | 2.983479  |   | 1.094561  |
| **MCMBP**  | Q9BTE3  | 1.062128  | 4.551707  |  |  |  |  |  | 1.321449  | 5.0  |  | 1.644135  |
| **IARS**  | P41252  | 1.327036  | 5.0  | 1.301106  | 0.746779  | 4.314062  | 0.890424  | 1.164845  | 1.844375  | 3.069097  | 0.744111  | 1.586855  |
| **PSMC5**  | P62195  | 1.132614  | 4.806566  | 1.151827  | 0.800248  | 4.153511  | 0.596179   | 0.958917  | 1.194734  | 5.0  | 1.915118  | 2.57017  |
| **PPM1G**  | O15355  | 1.420131  | 1.695582  | 1.079787  | 0.723152  | 1.075162  |  | 0.649047  | 1.20553  | 4.9234  | 0.28125  | 1.393002  |
| **USP5**  | P45974  | 2.652621  | 4.676893  | 1.684294  | 1.361191  | 1.459639  | 0.901202  | 4.311795  | 1.460934  | 3.656002  | 1.241369  | 1.707588  |
| **NPC1**  | O15118  | 1.77662  | 2.061277  | 5.0  | 4.2331 08  | 4.459259  | 3.27345   | 5.0   | 1.985913  | 5.0  | 1.696438  | 5.0  |
| **EIF3D**  | O15371  | 1.089407  | 4.799099  | 1.025501  |  | 0.893912  |  |  | 1.018581  | 2.059026  |  | 0.788283  |
| **DNAJA1**  | P31689  | 4.575258  | 5.0  | 4.387551  | 1.293701  | 4.286159  | 1.295579  | 1.567862  | 3.708957  | 4.127404  | 0.814829  | 1.545845  |
| **ASPH**  | Q6NXR7  | 1.887085  | 2.602913  | 5.0  | 0.845619  | 1.994435  | 0.773305  | 0.949022  | 2.169927  | 2.348856  | 0.630034  | 5.0  |
| **ZYX**  | Q15942  | 5.0  | 4.777086  | 1.486167  | 1.225534  | 2.174842  | 1.293666  | 0.950475  | 1.482207  | 5.0  | 0.679533  | 2.324471  |

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| **SF3B1**  | O75533  | 1.206823  | 1.178392  | 0.8584  |   | 1.015758  |  |  | 1.134708  | 5.0  |  | 2.978689  |
| **ESD**  | P10768  | 1.226147  | 4.584958  | 4.213076  |  | 4.32019  | 2.027142  | 0.535503  | 1.518521  | 3.195938  | 1.442175  | 2.547633  |
| **CSDE1**  | Q9Y2S4  | 1.365192  | 4.818322  | 1.152328  | 0.601973  | 1.31231  | 4.299891  | 0.649514  | 1.261634  | 3.490461  |  | 4.502402  |
| **LBR**  | Q14739  | 2.161133  | 2.009644  | 5.0  | 1.424741  | 1.934071  | 1.583055   | 1.464251  | 1.774699  | 5.0  | 1.459854  | 3.663412  |
| **CDCP1**  | Q9H5V8  | 1.416232  | 1.263714  | 1.162066   | 0.898105  | 5.0   |   | 0.938255  | 0.935268   | 1.459454  | 0.140625  | 4.235421   |
| **ZBTB45**  | Q96K62  |  | 2.897779  |  |  |  |  |  |  | 4.228582  |   |  |
| **NRD1**  | O43847  | 1.192499  | 5.0  | 1.068753  | 0.987244  | 1.414306  | 0.672233  | 0.892428  | 5.0  | 2.660399  |  | 1.221901  |
| **TUBB6**  | Q9BUF5  | 5.0  | 3.251997  | 1.024821  | 0.66284  | 4.326709  | 0.79992   | 0.807196  | 1.212188  | 4.455581  | 0.5625   | 1.278635  |
| **SSRP1**  | Q08945  | 1.300512  | 3.05778  | 0.629565  |   | 1.056723  |  |   | 0.998614  | 4.74857  |   | 0.848876   |
| **PUF60**  | Q9UHX1  | 1.023647  | 1.546384  | 0.763188  |  | 0.684166  | 1.661078  |  | 1.886436  | 4.870156  |  |  |
| **KPNA2**  | P52292  | 1.831814  | 4.80651  | 1.436209  | 1.124667  | 1.493537  | 1.303647  | 0.866999  | 2.044798  | 4.750441  | 0.539865  | 4.374342  |
| **CD44**  | Q96J24  | 3.346699  | 4.683148  | 2.545057  | 2.54813  | 4.769887  | 4.628298  | 2.57543  | 2.777202  | 3.264321  | 1.828113  | 5.0  |
| **CPNE7**  | Q9UBL6  | 0.698653  | 2.962761  | 0.532106  | 0.985713  | 4.182177  | 0.720832  |  | 0.550351  | 5.0  |  | 5.0  |
| **SERPINF2**  | P08697  | 1.896337  | 2.209795  | 1.581192  | 1.228136  | 5.0  | 1.291718   | 1.459523  | 1.766546  | 2.053323  | 0.980915  | 2.207613  |
| **ANP32B**  | Q92688  | 0.941374  | 2.725722  | 0.717247  | 0.703748  | 4.196141  |   |   | 1.593891  | 5.0  |  | 0.928609  |
| **SNRNP200**  | O75643  | 1.10844  | 2.263412  | 0.907283  | 0.526139  | 0.976895  |  |  | 1.252553  | 5.0  | 0.375  | 0.771937  |

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| **PNN**  | Q9H307  | 4.316247  | 1.636716  | 0.967262  | 0.813385  | 1.716907  | 0.375  | 0.524185  | 1.080728  | 5.0  |  | 4.257579  |
| **CAV1**  | Q03135  | 2.85009  | 3.4643  | 4.53106  | 5.0  | 2.923253  | 4.657775  | 2.570017  | 2.77728  | 2.885229  | 2.047132  | 5.0  |
| **ELAVL1**  | Q15717  | 2.561233  | 5.0  | 3.235587  | 1.761171  | 2.411505  | 1.517139   | 1.78625  | 2.303596  | 5.0  | 1.226466  | 2.311492  |
| **NAP1L1**  | P55209  | 3.045478  | 2.203797  | 0.715197  |  | 1.02322  |  |  | 1.690292  | 4.673307  |  | 0.792066  |
| **SDC4**  | P31431  | 2.362135  | 1.64432  | 2.22782  | 1.736201  | 5.0  | 4.49363  | 4.299841  | 1.324129  | 1.995224  | 0.1875  | 5.0  |
| **NCKAP1**  | Q9Y2A7  | 3.73241  | 4.525228  | 1.099747  | 0.920958  | 4.211867  | 0.91461   | 0.645845  | 1.256332  | 1.805886  | 0.84375  | 3.601107  |
| **ABCF2**  | Q9UG63  | 1.217183  | 3.560948  | 1.029436  | 0.714482  | 0.85182  |   |  | 2.389198  | 3.377869  | 1.117622  | 1.09318  |
| **CCAR2**  | Q9HD12  | 1.463123  | 2.084584  | 0.925323  |   | 1.141488  |   | 0.813458  | 5.0  | 5.0  | 1.059991  | 2.411646  |
| **NNMT**  | P40261  | 1.526672  | 4.415256  | 1.130303  |  | 1.994278  |  | 0.827505  | 1.879627  | 2.528309  | 0.786235  | 1.242415  |
| **OAT**  | P04181  | 1.609509  | 1.853993  | 1.477006  | 0.81843  | 1.755835  | 1.122808  | 1.430408  | 5.0  | 4.36711  | 1.482573  | 1.767764  |
| **ERAP1**  | Q9NZ08  | 1.22965  | 5.0  | 5.0  | 1.654145  | 5.0  | 1.328327  | 1.736277  | 1.239349  | 2.704338  | 0.140625  | 3.103189  |
| **DHCR7**  | Q9UBM7  | 1.557376  | 4.538397  | 5.0  | 1.237058  | 2.135797  | 1.147273  | 1.492877  | 1.833724  | 5.0  | 1.392394  | 3.438282  |
| **ATAD3A**  | Q9NVI7  | 1.128699  | 2.681936  | 1.451419  |  | 1.045263  | 1.15581  | 0.835729  | 5.0  | 2.174723  |  | 0.740599  |
| **TCOF1**  | Q13428  | 3.12663  | 4.800053  | 2.535213  | 2.5157  | 2.986164  | 2.359342  | 2.570454  | 2.837355  | 4.931148  | 1.720656  | 3.029914  |
| **DST**  | Q96J76  | 5.0  | 4.516979  | 4.108317  | 1.090261  | 4.617406  | 1.360471  | 1.067398  | 2.114147  | 4.419007  | 0.375  | 5.0  |
| **MGST1**  | P10620  | 1.258395  | 2.985868  | 4.519168  | 0.768816  | 2.080081  | 0.860523  | 4.242234  | 5.0  | 3.346214  | 4.301791  | 4.282346  |

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| **RELA**  | Q04206  | 2.435602  | 5.0  | 1.973861   | 1.8534 71  | 2.628938  | 1.45937   | 1.944 161  | 2.399557  | 5.0  | 1.633789  | 2.528169  |
| **KRT72**  | Q14CN4  | 2.989844  | 4.608156  |  |   | 4.337141  |  |   | 2.717936  | 1.604074  | 1.249997  | 1.350604  |
| **NAA15**  | Q9BXJ9  | 1.492728  | 4.754334  | 1.19017  |  | 1.154623  | 2.077561  |  | 1.116556  | 5.0  |  | 1.845645  |
| **SRSF1**  | Q07955  | 2.124732  | 3.002174  | 1.741958  | 1.282556  | 2.05066  | 1.234296  | 1.31923  | 2.022234  | 5.0  | 0.81255  | 1.929156  |
| **CDK1**  | P06493  | 5.0  | 4.814872  | 4.428399  | 1.7443 89  | 4.500428  | 1.966536   | 1.908 507  | 5.0  | 4.74579  | 2.290021  | 2.433193  |
| **PABPC4**  | Q13310  | 1.099743  | 4.939453  | 0.867882  |   | 1.229575  |   |   | 1.256512  | 5.0  |   | 0.90782  |
| **SF3B2**  | Q13435  | 1.101366  | 2.144516  | 0.572696  |  | 0.828281  |  |  | 0.850208  | 5.0  |  | 0.73472  |
| **SEC63**  | Q9UGP8  | 1.367201  | 4.41198  | 5.0  | 1.251998  | 1.286624  | 1.72931  | 1.324825  | 1.696469  | 2.591191  | 1.434445  | 2.576868  |
| **MVP**  | Q14764  | 5.0  | 4.80316  | 1.28684  | 1.542608  | 4.338134  | 0.976823  | 1.475329  | 1.375899  | 5.0  | 0.576316  | 1.664441  |
| **COPG2**  | Q9UBF2  | 0.721229  | 4.563134  | 4.177956   | 0.8893 81  | 0.375   | 5.0  | 0.738 464  | 0.630033   | 2.272622  |   | 0.553535  |
| **TBC1D31**  | Q96DN5  | 5.0  | 1.718747  |  |  |  | 0.605461   |  |  | 2.185006  |  | 0.734375  |
| **DPP9**  | Q8N3F5  | 4.202069  | 4.683351  | 0.9889  | 0.593742  | 1.537297  |  | 0.899028  | 1.066207  | 4.092134  | 0.186999  | 1.505953  |
| **PRDX5**  | Q9UKX4  | 1.685518  | 5.0  | 1.735163  | 0.752603  | 4.368173  | 1.15135  | 1.356648  | 5.0  | 5.0  | 5.0  | 1.670643  |
| **BSG**  | P35613  | 2.263815  | 2.184941  | 2.772811  | 2.271258  | 4.581695  | 4.440234   | 2.687275  | 4.40237  | 2.300432  | 1.384643  | 5.0  |
| **RCC2**  | Q9P258  | 5.0  | 4.492076  | 0.779514  | 2.0  | 1.154566  |  | 0.512101  | 0.868915  | 4.629969  |   | 3.57092  |
| **RPS13**  | P62277  | 1.896806  | 5.0  | 1.407683  | 1.234937  | 4.408826  | 1.703846  | 1.261957  | 1.98123  | 5.0  |  | 1.859702  |

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| **ACSL4**  | O60488  | 1.624625  | 2.014697  | 5.0  | 1.4103 17  | 4.430786  | 2.942257  | 1.547858  | 4.292341  | 1.774466  | 3.937274  | 5.0  |
| **EIF5A**  | P63241  | 1.701734  | 4.7085  | 5.0  |  | 1.829468  | 0.598595  | 0.764479  | 2.136376  | 5.0  | 0.630378  | 1.347981  |
| **RAC1**  | P63000  | 4.173254  | 4.710915  | 4.439816   | 5.0   | 4.529474  | 5.0   | 1.804 751  | 2.334609   | 3.047 874  | 1.41166   | 5.0  |
| **SPRR2E**  | P22531  | 0.601806  | 4.24375  |  |  | 2.177271  |  |  |  |  |   | 4.199855  |
| **DDX1**  | Q92499  | 1.379625  | 4.748264  | 1.349211  | 1.46221  | 1.294197  | 0.781328  | 0.919376  | 4.289341  | 5.0  |  | 1.208428  |
| **ASNS**  | Q549T9  | 1.533636  | 4.791781  | 2.080928  | 0.9709 25  | 1.895624  | 1.393441  | 1.398851  | 2.298289  | 2.657754  | 1.142019  | 1.615399  |
| **UPP1**  | Q16831  | 1.189159  | 4.658458  | 1.04121  |  | 1.358866  | 0.1875  | 0.750856  | 2.017436  | 4.544756  | 1.364869  | 1.395195  |
| **PPP2R1A**  | P30153  | 5.0  | 5.0  | 1.309014  | 0.6376 71  | 4.302015  | 0.960281   | 0.893 773  | 5.0  | 5.0  |   | 3.675131   |
| **DDX42**  | Q86XP3  | 0.634367  | 4.466315  | 0.577965  |  |  |  |  | 0.920959  | 5.0  |  |  |
| **CERS2**  | Q96G23  | 1.262831  | 1.561755  | 5.0  | 1.399396  | 1.676926  | 2.361457  | 1.903781  | 1.90393  | 2.606466  | 0.959093  | 3.607504  |
| **ZC3HAV1**  | Q7Z2W4  | 1.36575  | 4.69085  | 1.407057  | 1.2895 94  | 1.972906  | 2.440206  | 1.289425  | 1.634765  | 4.015271  |  | 1.453396  |
| **SMC3**  | Q9UQE7  | 5.0  | 4.47977  | 1.005914  |  | 1.411415  | 0.729851  | 0.548879  | 1.549969  | 5.0  | 0.607762  | 1.37451  |
| **AP2B1**  | P63010  | 1.750127  | 4.655349  | 1.201476   | 4.3932 52  | 1.585008  | 1.759333   | 4.330 823  | 1.284573   | 1.787572  | 0.680788  | 5.0   |
| **KRT27**  | Q7Z3Y8  | 3.412344  | 4.49833  |  |  | 4.123236  |  |  |  | 1.453125  |  |  |
| **ERP29**  | P30040  | 2.679225  | 1.683302  | 5.0  | 1.227753  | 3.212396  | 1.779312  | 1.124546  | 1.716162  | 2.55433  | 0.691832  | 1.609102  |
| **RHOC**  | P08134  | 2.921427  | 4.737488  | 1.889998  | 2.085845  | 4.5203  | 1.519035  | 1.71772  | 2.195682  | 2.891735  | 1.057371  | 5.0  |

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| **HNRNPUL1**  | Q9BUJ2  | 1.011292  | 1.676813  |  |  | 0.624271  |  |   | 0.637979  | 5.0  | 0.375  | 0.955569  |
| **PRPF8**  | Q6P2Q9  | 1.411501  | 2.476671  | 0.805004  | 0.891287  | 1.254692  | 1.122976  |  | 1.291151  | 5.0  | 0.201387  | 0.919907  |
| **ANXA6**  | P08133  | 2.432192  | 3.784687  | 2.015201  | 5.0   | 4.501341  | 1.814967   | 5.0   | 3.170997  | 2.912386  | 1.097128  | 2.649252  |
| **SUPT16H**  | Q9Y5B9  | 1.207816  | 2.343369  | 0.588828  |  | 0.953578  |  |  | 1.03457  | 4.832718  |   | 0.562742  |
| **STT3A**  | P46977  | 1.558572  | 1.501018  | 5.0  | 0.929785  | 1.59019  | 1.525915  | 1.268287  | 1.509103  | 1.781503  |  | 3.731058  |
| **FKBP5**  | Q13451  | 2.313006  | 4.729239  | 1.783951  | 1.217403  | 4.420829  | 1.165325  | 1.37289  | 1.9579  | 4.830214  | 0.838772  | 2.052308  |
| **HMGB1**  | P09429  | 2.322573  | 2.870807  | 2.368807  | 3.88933  | 5.0  | 1.427624   | 2.419643  | 2.670074  | 5.0  | 1.503927  | 4.539293  |
| **SF1**  | Q969H7  | 1.187439  | 0.834054  | 0.616764  |  | 1.095628  |  |  | 0.871142  | 5.0  |   | 0.79228  |
| **MICAL3**  | Q7RTP6  | 3.66532  | 4.619757  | 0.801246  | 1.162562  | 4.180695  | 1.364313  | 0.664052  | 0.682924  | 5.0  |  | 4.251585  |
| **KIF23**  | Q02241  | 5.0  | 4.604343  | 1.15967  | 1.745555  | 2.990537  | 1.427743   | 1.141357  | 1.315463  | 5.0  | 0.770888  | 1.953375  |
| **PTPLAD1**  | Q9P035  | 1.186075  | 2.408292  | 5.0  | 0.871857  | 1.267586  |  | 0.899425  | 1.762489  | 4.4287  | 0.5625  | 2.314662  |
| **PYCR1**  | P32322  | 1.741926  | 3.24124  | 1.690052  | 0.885191  | 2.202836  | 1.23327  | 1.037823  | 5.0  | 2.03565  | 1.322472  | 1.851711  |
| **EHD4**  | Q9H223  | 1.709132  | 3.752655  | 4.272192   | 5.0   | 4.43143  | 1.423384  | 1.419906  | 1.551607  | 4.554253  | 0.503549  | 3.739561  |
| **UNC45A**  | Q9H3U1  | 1.689641  | 4.71044  |  |   | 0.704058  | 4.291818  |  | 1.381496  | 4.587589  | 0.375  | 1.191967  |
| **GOT1**  | P17174  | 1.413102  | 4.587469  | 0.969941  |  | 4.305948  | 0.777852   | 2.485773  | 2.258153  | 4.477789  | 1.809062  | 1.217366  |
| **FUBP1**  | Q96AE4  | 1.520653  | 2.276711  | 0.971797  | 0.610937  | 1.635  |  | 0.70143  | 1.255359  | 5.0  |  | 1.042243  |

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| **BZW2**  | Q9Y6E2  | 2.069715  | 2.29902  |  |  |  |  |  | 1.467435  | 1.785561  | 0.515625  | 1.713636  |
| **HSPH1**  | Q92598  | 2.971407  | 5.0  | 1.85304  | 1.251403  | 4.291166  | 0.769822  | 1.09543  | 1.873957  | 4.659301  | 0.375  | 1.35798  |
| **UGP2**  | Q16851  | 1.402098  | 4.699408  | 1.705762  | 0.878717  | 4.383673  | 1.718708  | 0.774966  | 1.888178  | 4.324674  | 1.30062  | 1.789738  |
| **MKL1**  | Q96SC6  | 2.50434  | 4.644844  | 1.387911  | 1.006653  | 2.448652  | 1.159088  | 1.129809  | 1.978415  | 5.0  | 0.845367  | 2.337131  |
| **FLNC**  | Q14315  | 4.003067  | 4.728898  | 1.600815  | 1.190525  | 2.224437  | 1.127049  | 1.493978  | 2.152303  | 2.140404  | 1.099809  | 4.698098  |
| **EIF3I**  | Q13347  | 1.332806  | 4.766212  | 0.976318  | 0.590207  | 4.241049  | 0.758257   |  | 1.108774  | 3.529676  |   | 0.948364  |
| **TRIP13**  | Q15645  | 3.69485  | 3.211205  | 0.697585  |  | 1.064063  |  | 0.541279  | 1.288576  | 3.83446  |  | 0.849874  |
| **STIM1**  | Q13586  | 3.918501  | 2.68529  | 5.0  | 1.816742  | 2.509932  | 1.664284  | 1.89993  | 2.325923  | 2.248813  | 1.626435  | 5.0  |
| **RRAS2**  | P62070  | 1.636464  | 3.833967  | 4.224354  | 1.091865  | 4.298238  | 1.08778   | 0.872945  | 1.59076  | 3.193324  | 0.601214  | 3.723096  |
| **PGAM5**  | Q96HS1  | 1.376219  | 2.072171  | 1.538554   | 1.137731  | 1.356031  |  | 1.699463  | 4.49346   | 1.708785  | 1.118815  | 1.74269  |
| **MTCL1**  | Q9Y4B5  | 5.0  | 1.375003  |  |  | 2.396778  | 1.806957  |  |  | 3.458012  |  | 4.0  |
| **CLPP**  | Q16740  | 1.447224  | 2.077835  | 1.833376  | 1.011105  | 1.751695  | 1.385056  | 1.352396  | 5.0  | 2.236453  | 1.222689  | 1.67619  |
| **TNC**  | P24821  | 1.70904  | 2.350875  | 4.231693  | 1.192507  | 4.724831  | 0.91039   | 1.156743  | 1.168892  | 2.760955  |   | 3.300823  |
| **HMGB3**  | O15347  | 2.430859  | 1.39641  | 0.703344  | 0.917285  | 1.699746  |  | 0.850182  | 1.102388  | 4.699977  |  | 1.337244  |
| **GNAS**  | Q5JWF2  | 1.856255  | 5.0  | 1.485331  | 1.30599  | 4.420142  | 5.0  | 1.162581  | 1.759657  | 5.0  | 1.414397  | 5.0  |
| **SNX1**  | Q13596  | 1.850982  | 4.136862  | 1.58483  | 5.0  | 1.386994  | 4.209674  | 4.489093  | 1.19375  | 2.145412  | 1.02656  | 2.111352  |
| **PSMC4**  | P43686  | 1.534268  | 4.790602  | 1.584113  | 0.705463  | 1.306322  | 0.676518  | 1.502689  | 1.552321  | 5.0  | 1.413712  | 1.02438  |
| **WDHD1**  | O75717  | 1.618203  | 2.527361  | 0.895906  | 0.694748  | 1.534892  | 0.518121  | 0.741379  | 1.41602  | 4.852366  | 0.901474  | 1.376267  |
| **TAF1**  | Q70Q87  | 1.909754  | 2.811052  | 1.413375  | 1.220015  | 2.078007  | 0.97901  | 1.256552  | 1.776316  | 5.0  | 0.819628  | 1.915929  |