**Appendix E. A tabular overview of gene interactions to create a communication table.**

Table E1: Browse of gene interactions in tabular form.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Node1** | **Node2** | **Score** | **Node1** | **Node2** | **Score** | **Node1** | **Node2** | **Score** | **Node1** | **Node2** | **Score** |
| **1** | **ABCF1** | **DHX16** | **0.467** | **AIM2** | **RSAD2** | **0.444** | **APBA1** | **KIF17** | **0.977** | **BATF2** | **STAT1** | **0.545** |
| **2** | **ABCF1** | **NAT10** | **0.403** | **AIM2** | **STAT1** | **0.544** | **APBA1** | **RASSF1** | **0.430** | **BLK** | **ANKRD22** | **0.436** |
| **3** | **ABLIM1** | **CDC42** | **0.923** | **AIM2** | **TLR5** | **0.495** | **APBA1** | **SYT1** | **0.599** | **BLK** | **BANK1** | **0.912** |
| **4** | **ADM** | **ANGPT1** | **0.446** | **ANAPC1** | **BMI1** | **0.901** | **AQP10** | **GK** | **0.603** | **BLK** | **CXCR5** | **0.687** |
| **5** | **ADM** | **HIF1A** | **0.534** | **ANAPC1** | **EHMT1** | **0.519** | **AQP10** | **ITGA2B** | **0.442** | **BLK** | **FCRLA** | **0.855** |
| **6** | **ADM** | **IL1B** | **0.505** | **ANAPC1** | **MCM2** | **0.445** | **ART5** | **PARP9** | **0.400** | **BLK** | **HLA-DOB** | **0.620** |
| **7** | **ADM** | **MMP9** | **0.402** | **ANAPC1** | **NFKB1** | **0.545** | **ASB9** | **ANKRD22** | **0.458** | **BLK** | **STAT3** | **0.821** |
| **8** | **ADORA3** | **P2RY14** | **0.515** | **ANAPC1** | **PPP1CA** | **0.432** | **ASB9** | **CA5B** | **0.444** | **BMI1** | **ANAPC1** | **0.901** |
| **9** | **ADORA3** | **TSPO** | **0.403** | **ANAPC1** | **PSMA4** | **0.413** | **AZGP1** | **HP** | **0.782** | **BMI1** | **H2BC21** | **0.731** |
| **10** | **AGFG1** | **IL7R** | **0.499** | **ANAPC1** | **PSME3** | **0.433** | **AZGP1** | **LACRT** | **0.475** | **BMI1** | **HIF1A** | **0.459** |
| **11** | **AGFG1** | **MYOF** | **0.459** | **ANGPT1** | **ADM** | **0.446** | **AZGP1** | **S100A8** | **0.492** | **BMI1** | **MAPK14** | **0.693** |
| **12** | **AGFG1** | **SYT1** | **0.638** | **ANGPT1** | **CDC42** | **0.443** | **BANK1** | **BLK** | **0.912** | **BMI1** | **NPM1** | **0.414** |
| **13** | **AGFG1** | **VAMP8** | **0.587** | **ANGPT1** | **CDH5** | **0.797** | **BANK1** | **CXCR5** | **0.493** | **BMI1** | **OLFM4** | **0.607** |
| **14** | **AIM2** | **CAMP** | **0.413** | **ANGPT1** | **HIF1A** | **0.653** | **BANK1** | **FCRLA** | **0.517** | **BMI1** | **RASSF1** | **0.481** |
| **15** | **AIM2** | **CARD16** | **0.476** | **ANGPT1** | **IL1B** | **0.701** | **BANK1** | **TLR5** | **0.444** | **BMI1** | **RBBP4** | **0.963** |
| **16** | **AIM2** | **CASP1** | **0.999** | **ANGPT1** | **IL2** | **0.536** | **BATF2** | **ANKRD22** | **0.710** | **BMI1** | **RBBP7** | **0.964** |
| **17** | **AIM2** | **CD274** | **0.440** | **ANGPT1** | **MMP9** | **0.623** | **BATF2** | **CALHM6** | **0.463** | **BMI1** | **STAT3** | **0.548** |
| **18** | **AIM2** | **CXCR5** | **0.410** | **ANGPT1** | **SERPING1** | **0.455** | **BATF2** | **CD274** | **0.515** | **BMI1** | **SUMO2** | **0.628** |
| **19** | **AIM2** | **DDX1** | **0.473** | **ANGPT1** | **TNFAIP6** | **0.401** | **BATF2** | **EPSTI1** | **0.406** | **BMI1** | **USP11** | **0.470** |
| **20** | **AIM2** | **GBP1** | **0.685** | **ANKRD22** | **ASB9** | **0.458** | **BATF2** | **GBP1** | **0.662** | **BMP7** | **CHD7** | **0.468** |
| **21** | **AIM2** | **GBP2** | **0.651** | **ANKRD22** | **BATF2** | **0.710** | **BATF2** | **GBP2** | **0.438** | **BMP7** | **IL1B** | **0.481** |
| **22** | **AIM2** | **GBP5** | **0.620** | **ANKRD22** | **BLK** | **0.436** | **BATF2** | **GBP4** | **0.631** | **BMP7** | **MMP9** | **0.428** |
| **23** | **AIM2** | **HMGB1** | **0.522** | **ANKRD22** | **ESYT1** | **0.462** | **BATF2** | **GBP5** | **0.806** | **BMP7** | **TNFAIP6** | **0.450** |
| **24** | **AIM2** | **IFIH1** | **0.698** | **ANKRD22** | **GBP5** | **0.573** | **BATF2** | **IFIT2** | **0.430** | **BMX** | **CDC42** | **0.531** |
| **25** | **AIM2** | **IFIT1** | **0.405** | **ANKRD22** | **PSTPIP2** | **0.440** | **BATF2** | **IFIT3** | **0.574** | **BMX** | **STAT3** | **0.956** |
| **26** | **AIM2** | **IL1B** | **0.874** | **ANKRD22** | **SEPTIN4** | **0.423** | **BATF2** | **PARP9** | **0.558** | **C1QB** | **CD36** | **0.535** |
| **27** | **AIM2** | **NAIP** | **0.994** | **ANXA3** | **CLEC4D** | **0.424** | **BATF2** | **RSAD2** | **0.551** | **C1QB** | **CYBB** | **0.431** |
| **28** | **AIM2** | **NFKB1** | **0.454** | **ANXA3** | **DYSF** | **0.428** | **BATF2** | **RTP4** | **0.567** | **C1QB** | **GPR183** | **0.502** |
| **29** | **AIM2** | **NLRC4** | **0.999** | **ANXA3** | **S100A12** | **0.457** | **BATF2** | **SAMD9L** | **0.462** | **C1QB** | **HLA-DOA** | **0.593** |
| **30** | **AIM2** | **NOD2** | **0.690** | **ANXA3** | **SAPCD1** | **0.400** | **BATF2** | **SERPING1** | **0.455** | **C1QB** | **IL1B** | **0.530** |
| **31** | **C1QB** | **MARCO** | **0.480** | **CARD16** | **IL1B** | **0.658** | **CASP1** | **MAPK14** | **0.562** | **CD2** | **ITGA2B** | **0.442** |
| **32** | **C1QB** | **SERPING1** | **0.980** | **CARD16** | **NLRC4** | **0.489** | **CASP1** | **MMP9** | **0.568** | **CD2** | **KLRG1** | **0.489** |
| **33** | **CA5B** | **ASB9** | **0.444** | **CARD16** | **NOD2** | **0.427** | **CASP1** | **NAIP** | **0.979** | **CD2** | **LAT** | **0.470** |
| **34** | **CACNA1A** | **DAB1** | **0.418** | **CARD16** | **TNFSF13B** | **0.431** | **CASP1** | **NFKB1** | **0.826** | **CD2** | **PRKCQ** | **0.412** |
| **35** | **CACNA1A** | **SYT1** | **0.765** | **CARD17** | **CARD16** | **0.909** | **CASP1** | **NLRC4** | **0.999** | **CD2** | **SKAP1** | **0.501** |
| **36** | **CALHM6** | **BATF2** | **0.463** | **CARD17** | **CASP1** | **0.977** | **CASP1** | **NOD2** | **0.923** | **CD2** | **STAT1** | **0.413** |
| **37** | **CALHM6** | **GBP1** | **0.463** | **CARD17** | **IL1B** | **0.449** | **CASP1** | **RTP4** | **0.415** | **CD2** | **TNFSF10** | **0.545** |
| **38** | **CALHM6** | **GBP4** | **0.486** | **CARD17** | **NAIP** | **0.433** | **CASP1** | **S100A12** | **0.430** | **CD2** | **TNFSF13B** | **0.431** |
| **39** | **CALHM6** | **GBP5** | **0.607** | **CARD17** | **NLRC4** | **0.490** | **CASP1** | **S100A8** | **0.400** | **CD274** | **AIM2** | **0.440** |
| **40** | **CALHM6** | **TNFSF13B** | **0.418** | **CASP1** | **AIM2** | **0.999** | **CASP1** | **SAMD9L** | **0.440** | **CD274** | **BATF2** | **0.515** |
| **41** | **CAMP** | **AIM2** | **0.413** | **CASP1** | **CAMP** | **0.493** | **CASP1** | **STAT1** | **0.702** | **CD274** | **CASP1** | **0.446** |
| **42** | **CAMP** | **CASP1** | **0.493** | **CASP1** | **CARD16** | **0.993** | **CASP1** | **STAT3** | **0.609** | **CD274** | **CD2** | **0.455** |
| **43** | **CAMP** | **CYBB** | **0.400** | **CASP1** | **CARD17** | **0.977** | **CASP1** | **TLR5** | **0.658** | **CD274** | **CD96** | **0.542** |
| **44** | **CAMP** | **DEFA4** | **0.840** | **CASP1** | **CD274** | **0.446** | **CASP1** | **TNFSF10** | **0.651** | **CD274** | **CEACAM1** | **0.508** |
| **45** | **CAMP** | **H2BC21** | **0.509** | **CASP1** | **CD36** | **0.553** | **CASP1** | **TNFSF13B** | **0.506** | **CD274** | **CXCR5** | **0.573** |
| **46** | **CAMP** | **HLA-DOB** | **0.495** | **CASP1** | **CYBB** | **0.651** | **CASP1** | **TRIM22** | **0.424** | **CD274** | **FCRLA** | **0.481** |
| **47** | **CAMP** | **HMGB1** | **0.882** | **CASP1** | **GBP1** | **0.578** | **CASP1** | **TSPO** | **0.404** | **CD274** | **GBP1** | **0.545** |
| **48** | **CAMP** | **HP** | **0.497** | **CASP1** | **GBP2** | **0.605** | **CD2** | **CD274** | **0.455** | **CD274** | **GBP4** | **0.440** |
| **49** | **CAMP** | **IL1B** | **0.677** | **CASP1** | **GBP4** | **0.417** | **CD2** | **CD2AP** | **0.991** | **CD274** | **GBP5** | **0.521** |
| **50** | **CAMP** | **MAPK14** | **0.419** | **CASP1** | **GBP5** | **0.578** | **CD2** | **CD36** | **0.697** | **CD274** | **HIF1A** | **0.669** |
| **51** | **CAMP** | **MMP9** | **0.789** | **CASP1** | **HIF1A** | **0.506** | **CD2** | **CD96** | **0.709** | **CD274** | **HMGB1** | **0.549** |
| **52** | **CAMP** | **MSRB2** | **0.515** | **CASP1** | **HMGB1** | **0.687** | **CD2** | **CXCR5** | **0.485** | **CD274** | **IFIH1** | **0.487** |
| **53** | **CAMP** | **NFKB1** | **0.938** | **CASP1** | **IFIH1** | **0.675** | **CD2** | **DHX16** | **0.412** | **CD274** | **IFIT3** | **0.408** |
| **54** | **CAMP** | **NOD2** | **0.528** | **CASP1** | **IL15** | **0.563** | **CD2** | **GBP5** | **0.402** | **CD274** | **IL15** | **0.717** |
| **55** | **CAMP** | **S100A12** | **0.749** | **CASP1** | **IL18RAP** | **0.534** | **CD2** | **GPR183** | **0.402** | **CD274** | **IL1B** | **0.735** |
| **56** | **CAMP** | **S100A8** | **0.622** | **CASP1** | **IL1B** | **0.999** | **CD2** | **GZMK** | **0.889** | **CD274** | **IL2** | **0.854** |
| **57** | **CAMP** | **TLR5** | **0.528** | **CASP1** | **IL2** | **0.529** | **CD2** | **IL15** | **0.518** | **CD274** | **IL7R** | **0.625** |
| **58** | **CARD16** | **AIM2** | **0.476** | **CASP1** | **IRAK3** | **0.463** | **CD2** | **IL1B** | **0.450** | **CD274** | **JAK2** | **0.690** |
| **59** | **CARD16** | **CARD17** | **0.909** | **CASP1** | **JAK2** | **0.530** | **CD2** | **IL2** | **0.729** | **CD274** | **KLRG1** | **0.507** |
| **60** | **CARD16** | **CASP1** | **0.993** | **CASP1** | **LMNB1** | **0.421** | **CD2** | **IL7R** | **0.775** | **CD274** | **MMP9** | **0.595** |
| **61** | **CD274** | **NFKB1** | **0.605** | **CD36** | **SMARCD3** | **0.426** | **CDC42** | **LRRK2** | **0.784** | **CEACAM1** | **MCEMP1** | **0.476** |
| **62** | **CD274** | **STAT1** | **0.776** | **CD36** | **STAT1** | **0.441** | **CDC42** | **MAPK14** | **0.968** | **CHD7** | **BMP7** | **0.468** |
| **63** | **CD274** | **STAT3** | **0.992** | **CD36** | **STAT3** | **0.508** | **CDC42** | **MMP9** | **0.726** | **CHD7** | **H2BC21** | **0.518** |
| **64** | **CD274** | **TLR5** | **0.534** | **CD36** | **TLR5** | **0.429** | **CDC42** | **MYL9** | **0.726** | **CHD7** | **SMARCB1** | **0.502** |
| **65** | **CD274** | **TNFAIP6** | **0.433** | **CD96** | **CD2** | **0.709** | **CDC42** | **NFKB1** | **0.680** | **CHD7** | **SMARCD3** | **0.421** |
| **66** | **CD274** | **TNFSF10** | **0.515** | **CD96** | **CD274** | **0.542** | **CDC42** | **PPP1CA** | **0.407** | **CLEC4D** | **ANXA3** | **0.424** |
| **67** | **CD274** | **TNFSF13B** | **0.459** | **CD96** | **CEACAM1** | **0.442** | **CDC42** | **PRKCQ** | **0.407** | **CLEC4D** | **GPR84** | **0.545** |
| **68** | **CD2AP** | **CD2** | **0.991** | **CD96** | **GZMK** | **0.610** | **CDC42** | **RAP1B** | **0.765** | **CLEC4D** | **IL1B** | **0.482** |
| **69** | **CD36** | **C1QB** | **0.535** | **CD96** | **IL15** | **0.606** | **CDC42** | **SKAP1** | **0.485** | **CLEC4D** | **MCEMP1** | **0.635** |
| **70** | **CD36** | **CASP1** | **0.553** | **CD96** | **IL7R** | **0.412** | **CDC42** | **SLC9A3R1** | **0.578** | **CLEC4D** | **NLRC4** | **0.453** |
| **71** | **CD36** | **CD2** | **0.697** | **CD96** | **KLRG1** | **0.468** | **CDC42** | **STAT1** | **0.550** | **CLEC4D** | **S100A12** | **0.571** |
| **72** | **CD36** | **CDH5** | **0.587** | **CD96** | **S1PR1** | **0.471** | **CDC42** | **STAT3** | **0.538** | **CLEC4D** | **TNFAIP6** | **0.433** |
| **73** | **CD36** | **CEACAM1** | **0.459** | **CD96** | **TMEM160** | **0.421** | **CDC42** | **STAU1** | **0.421** | **CTSH** | **PRKCQ** | **0.502** |
| **74** | **CD36** | **CYBB** | **0.552** | **CDC40** | **DHX16** | **0.997** | **CDH5** | **ANGPT1** | **0.797** | **CTSH** | **SORT1** | **0.462** |
| **75** | **CD36** | **GOT2** | **0.860** | **CDC40** | **NAA38** | **0.532** | **CDH5** | **CD36** | **0.587** | **CXCR5** | **AIM2** | **0.410** |
| **76** | **CD36** | **HIF1A** | **0.520** | **CDC40** | **PABPN1** | **0.814** | **CDH5** | **CDC42** | **0.683** | **CXCR5** | **BANK1** | **0.493** |
| **77** | **CD36** | **HMGB1** | **0.789** | **CDC40** | **SLTM** | **0.420** | **CDH5** | **GJA4** | **0.673** | **CXCR5** | **BLK** | **0.687** |
| **78** | **CD36** | **HP** | **0.598** | **CDC40** | **SRSF5** | **0.830** | **CDH5** | **HIF1A** | **0.606** | **CXCR5** | **CD2** | **0.485** |
| **79** | **CD36** | **IL15** | **0.434** | **CDC42** | **ABLIM1** | **0.923** | **CDH5** | **IL1B** | **0.570** | **CXCR5** | **CD274** | **0.573** |
| **80** | **CD36** | **IL1B** | **0.727** | **CDC42** | **ANGPT1** | **0.443** | **CDH5** | **ITGA2B** | **0.627** | **CXCR5** | **FCMR** | **0.469** |
| **81** | **CD36** | **ITGA2B** | **0.952** | **CDC42** | **BMX** | **0.531** | **CDH5** | **MMP9** | **0.617** | **CXCR5** | **FCRLA** | **0.612** |
| **82** | **CD36** | **JAK2** | **0.417** | **CDC42** | **CDH5** | **0.683** | **CDH5** | **S1PR1** | **0.504** | **CXCR5** | **GPR183** | **0.600** |
| **83** | **CD36** | **LHFPL2** | **0.418** | **CDC42** | **CYBB** | **0.411** | **CDH5** | **STAT3** | **0.403** | **CXCR5** | **IL15** | **0.497** |
| **84** | **CD36** | **MARCO** | **0.568** | **CDC42** | **EFNB3** | **0.436** | **CDH5** | **WARS1** | **0.850** | **CXCR5** | **IL1B** | **0.552** |
| **85** | **CD36** | **MCEMP1** | **0.434** | **CDC42** | **EPHA4** | **0.478** | **CDK11B** | **PPP2R1A** | **0.508** | **CXCR5** | **IL2** | **0.681** |
| **86** | **CD36** | **MED19** | **0.518** | **CDC42** | **HIF1A** | **0.443** | **CEACAM1** | **CD274** | **0.508** | **CXCR5** | **IL7R** | **0.830** |
| **87** | **CD36** | **MMP9** | **0.578** | **CDC42** | **HMGB1** | **0.458** | **CEACAM1** | **CD36** | **0.459** | **CXCR5** | **JAK2** | **0.700** |
| **88** | **CD36** | **NFKB1** | **0.693** | **CDC42** | **IL1B** | **0.631** | **CEACAM1** | **CD96** | **0.442** | **CXCR5** | **KLRG1** | **0.586** |
| **89** | **CD36** | **S100A12** | **0.674** | **CDC42** | **JAK2** | **0.461** | **CEACAM1** | **CYBB** | **0.447** | **CXCR5** | **S1PR1** | **0.707** |
| **90** | **CD36** | **S100A8** | **0.662** | **CDC42** | **LIMK2** | **0.533** | **CEACAM1** | **HMGB1** | **0.680** | **CXCR5** | **STAT1** | **0.432** |
| **91** | **CXCR5** | **STAT3** | **0.549** | **DDX1** | **GNL2** | **0.424** | **LRRK2** | **NOD2** | **0.529** | **LYAR** | **NOP2** | **0.667** |
| **92** | **CXCR5** | **TNFSF13B** | **0.629** | **DDX1** | **HNRNPD** | **0.419** | **LRRK2** | **NPM1** | **0.523** | **LYAR** | **NPM1** | **0.465** |
| **93** | **CYB561** | **CYBB** | **0.544** | **DDX1** | **HNRNPM** | **0.735** | **LRRK2** | **PPP1CA** | **0.416** | **LYAR** | **RRP9** | **0.549** |
| **94** | **CYBB** | **C1QB** | **0.431** | **DDX1** | **IFIH1** | **0.506** | **LRRK2** | **PPP2R1A** | **0.567** | **LYAR** | **RSL24D1** | **0.751** |
| **95** | **CYBB** | **CAMP** | **0.400** | **DDX1** | **LSM1** | **0.432** | **LRRK2** | **RBBP7** | **0.517** | **MAPK14** | **BMI1** | **0.693** |
| **96** | **CYBB** | **CASP1** | **0.651** | **DDX1** | **MATR3** | **0.680** | **LRRK2** | **S100A8** | **0.411** | **MAPK14** | **CAMP** | **0.419** |
| **97** | **CYBB** | **CD36** | **0.552** | **DDX1** | **NPM1** | **0.439** | **LRRK2** | **STAT1** | **0.423** | **MAPK14** | **CASP1** | **0.562** |
| **98** | **CYBB** | **CDC42** | **0.411** | **DDX1** | **PPP1CA** | **0.480** | **LRRN3** | **NELL2** | **0.519** | **MAPK14** | **CDC42** | **0.968** |
| **99** | **CYBB** | **CEACAM1** | **0.447** | **DDX1** | **STAU1** | **0.468** | **LSM1** | **DDX1** | **0.432** | **MAPK14** | **CYBB** | **0.788** |
| **100** | **CYBB** | **CYB561** | **0.544** | **DEFA4** | **CAMP** | **0.840** | **LSM1** | **LSM3** | **0.999** | **MAPK14** | **DUSP2** | **0.802** |
| **101** | **CYBB** | **GPR84** | **0.436** | **LMNB1** | **MATR3** | **0.481** | **LSM1** | **LSM7** | **0.999** | **MAPK14** | **DUSP3** | **0.936** |
| **102** | **CYBB** | **HIF1A** | **0.600** | **LMNB1** | **NAT10** | **0.415** | **LSM1** | **NAA38** | **0.493** | **MAPK14** | **H2BC21** | **0.560** |
| **103** | **CYBB** | **HMGB1** | **0.456** | **LMNB1** | **NFKB1** | **0.522** | **LSM1** | **POLR2G** | **0.462** | **MAPK14** | **HIF1A** | **0.693** |
| **104** | **CYBB** | **IL1B** | **0.746** | **LMNB1** | **NPM1** | **0.801** | **LSM1** | **TUT4** | **0.522** | **MAPK14** | **IL1B** | **0.782** |
| **105** | **CYBB** | **JAK2** | **0.604** | **LMNB1** | **POTEE** | **0.468** | **LSM3** | **DHX16** | **0.915** | **MAPK14** | **IL2** | **0.436** |
| **106** | **CYBB** | **MAPK14** | **0.788** | **LMNB1** | **PPP2R1A** | **0.560** | **LSM3** | **HNRNPM** | **0.509** | **MAPK14** | **MMP9** | **0.532** |
| **107** | **CYBB** | **MMP9** | **0.963** | **LMNB1** | **STAT3** | **0.484** | **LSM3** | **LSM1** | **0.999** | **MAPK14** | **NFKB1** | **0.864** |
| **108** | **CYBB** | **NFKB1** | **0.568** | **LRP6** | **KREMEN1** | **0.997** | **LSM3** | **LSM7** | **0.999** | **MAPK14** | **NOD2** | **0.630** |
| **109** | **CYBB** | **NLRC4** | **0.529** | **LRP6** | **LGR4** | **0.631** | **LSM3** | **NAA38** | **0.875** | **MAPK14** | **SMARCD3** | **0.425** |
| **110** | **CYBB** | **NOD2** | **0.484** | **LRP6** | **LRRK2** | **0.864** | **LSM3** | **NUDCD1** | **0.629** | **MAPK14** | **STAT1** | **0.783** |
| **111** | **CYBB** | **S100A12** | **0.412** | **LRP6** | **PPP2R1A** | **0.514** | **LSM3** | **PSMA4** | **0.531** | **MAPK14** | **STAT3** | **0.718** |
| **112** | **CYBB** | **S100A8** | **0.659** | **LRP6** | **SLC9A3R1** | **0.403** | **LSM3** | **USP39** | **0.979** | **MARCO** | **C1QB** | **0.480** |
| **113** | **CYBB** | **STAT1** | **0.562** | **LRP6** | **TLE5** | **0.412** | **LSM7** | **DHX16** | **0.919** | **MARCO** | **CD36** | **0.568** |
| **114** | **CYBB** | **STAT3** | **0.527** | **LRRK2** | **CDC42** | **0.784** | **LSM7** | **LSM1** | **0.999** | **MARCO** | **IL1B** | **0.412** |
| **115** | **CYBB** | **VAMP8** | **0.477** | **LRRK2** | **DHX16** | **0.525** | **LSM7** | **LSM3** | **0.999** | **MATR3** | **DDX1** | **0.680** |
| **116** | **CYBB** | **XK** | **0.569** | **LRRK2** | **HIF1A** | **0.728** | **LSM7** | **NAA38** | **0.896** | **MATR3** | **HNRNPD** | **0.522** |
| **117** | **DAB1** | **CACNA1A** | **0.418** | **LRRK2** | **LMNB1** | **0.530** | **LSM7** | **PRPF39** | **0.693** | **MATR3** | **HNRNPM** | **0.928** |
| **118** | **DAB1** | **RELN** | **0.946** | **LRRK2** | **LRP6** | **0.864** | **LSM7** | **USP39** | **0.987** | **MATR3** | **LMNB1** | **0.481** |
| **119** | **DDX1** | **AIM2** | **0.473** | **LRRK2** | **MTHFD2** | **0.510** | **LYAR** | **GNL2** | **0.746** | **MATR3** | **NPM1** | **0.508** |
| **120** | **DDX1** | **DHX16** | **0.479** | **LRRK2** | **MYL9** | **0.459** | **LYAR** | **NAT10** | **0.763** | **MATR3** | **NXF1** | **0.554** |
| **121** | **MATR3** | **STAU1** | **0.409** | **MMP9** | **IL2** | **0.601** | **NAA38** | **LSM3** | **0.875** | **NFKB1** | **CYBB** | **0.568** |
| **122** | **MATR3** | **SUMO2** | **0.517** | **MMP9** | **IL23A** | **0.546** | **NAA38** | **LSM7** | **0.896** | **NFKB1** | **ECSIT** | **0.419** |
| **123** | **MCEMP1** | **CD36** | **0.434** | **MMP9** | **JAK2** | **0.621** | **NAA38** | **PRPF39** | **0.583** | **NFKB1** | **EHMT1** | **0.563** |
| **124** | **MCEMP1** | **CEACAM1** | **0.476** | **MMP9** | **MAPK14** | **0.532** | **NAIP** | **AIM2** | **0.994** | **NFKB1** | **HIF1A** | **0.816** |
| **125** | **MCEMP1** | **CLEC4D** | **0.635** | **MMP9** | **NFKB1** | **0.802** | **NAIP** | **CARD17** | **0.433** | **NFKB1** | **HMGB1** | **0.923** |
| **126** | **MCEMP1** | **GPR84** | **0.522** | **MMP9** | **NPM1** | **0.487** | **NAIP** | **CASP1** | **0.979** | **NFKB1** | **IFIH1** | **0.803** |
| **127** | **MCEMP1** | **NFKB1** | **0.451** | **MMP9** | **OSM** | **0.689** | **NAIP** | **IL1B** | **0.558** | **NFKB1** | **IFIT1** | **0.663** |
| **128** | **MCEMP1** | **NLRC4** | **0.468** | **MMP9** | **S100A12** | **0.707** | **NAIP** | **NLRC4** | **0.999** | **NFKB1** | **IFIT2** | **0.403** |
| **129** | **MCEMP1** | **S100A12** | **0.653** | **MMP9** | **S100A8** | **0.493** | **NAIP** | **NOD2** | **0.620** | **NFKB1** | **IL15** | **0.519** |
| **130** | **MCM2** | **ANAPC1** | **0.445** | **MMP9** | **STAT1** | **0.727** | **NAIP** | **STAT1** | **0.521** | **NFKB1** | **IL1B** | **0.996** |
| **131** | **MED19** | **CD36** | **0.518** | **MMP9** | **STAT3** | **0.890** | **NAIP** | **TLR5** | **0.562** | **NFKB1** | **IL2** | **0.804** |
| **132** | **MED19** | **POLR2G** | **0.941** | **MMP9** | **TNFAIP6** | **0.448** | **NAT10** | **ABCF1** | **0.403** | **NFKB1** | **IL7R** | **0.437** |
| **133** | **MMP9** | **ADM** | **0.402** | **MMP9** | **TNFSF10** | **0.436** | **NAT10** | **GNL2** | **0.824** | **NFKB1** | **IRAK3** | **0.639** |
| **134** | **MMP9** | **ANGPT1** | **0.623** | **MMP9** | **TNFSF13B** | **0.557** | **NAT10** | **HERC2** | **0.417** | **NFKB1** | **JAK2** | **0.657** |
| **135** | **MMP9** | **BMP7** | **0.428** | **MOAP1** | **RASSF1** | **0.912** | **NAT10** | **LMNB1** | **0.415** | **NFKB1** | **LMNB1** | **0.522** |
| **136** | **MMP9** | **CAMP** | **0.789** | **MSRB2** | **CAMP** | **0.515** | **NAT10** | **LYAR** | **0.763** | **NFKB1** | **MAPK14** | **0.864** |
| **137** | **MMP9** | **CASP1** | **0.568** | **MTFMT** | **MTHFD2** | **0.983** | **NAT10** | **NOP2** | **0.920** | **NFKB1** | **MCEMP1** | **0.451** |
| **138** | **MMP9** | **CD274** | **0.595** | **MTFMT** | **NOP2** | **0.725** | **NAT10** | **NPM1** | **0.459** | **NFKB1** | **MMP9** | **0.802** |
| **139** | **MMP9** | **CD36** | **0.578** | **MTFMT** | **WARS1** | **0.683** | **NAT10** | **RPS4Y1** | **0.621** | **NFKB1** | **NLRC4** | **0.448** |
| **140** | **MMP9** | **CDC42** | **0.726** | **MTHFD2** | **LRRK2** | **0.510** | **NAT10** | **RRP9** | **0.998** | **NFKB1** | **NOD2** | **0.776** |
| **141** | **MMP9** | **CDH5** | **0.617** | **MTHFD2** | **MTFMT** | **0.983** | **NAT10** | **RSL24D1** | **0.679** | **NFKB1** | **NPM1** | **0.411** |
| **142** | **MMP9** | **CYBB** | **0.963** | **MYL9** | **CDC42** | **0.726** | **NELL2** | **FAM102A** | **0.459** | **NFKB1** | **PPP1CA** | **0.402** |
| **143** | **MMP9** | **EFNB3** | **0.461** | **MYL9** | **ITGA2B** | **0.416** | **NELL2** | **LRRN3** | **0.519** | **NFKB1** | **PPP2R1A** | **0.916** |
| **144** | **MMP9** | **GZMK** | **0.502** | **MYL9** | **LRRK2** | **0.459** | **NFKB1** | **AIM2** | **0.454** | **NFKB1** | **PRKCQ** | **0.953** |
| **145** | **MMP9** | **HIF1A** | **0.824** | **MYL9** | **PPP1CA** | **0.921** | **NFKB1** | **ANAPC1** | **0.545** | **NFKB1** | **PSMA4** | **0.692** |
| **146** | **MMP9** | **HMGB1** | **0.593** | **MYL9** | **SORBS3** | **0.561** | **NFKB1** | **CAMP** | **0.938** | **NFKB1** | **PSME3** | **0.513** |
| **147** | **MMP9** | **HP** | **0.791** | **MYOF** | **AGFG1** | **0.459** | **NFKB1** | **CASP1** | **0.826** | **NFKB1** | **S100A12** | **0.567** |
| **148** | **MMP9** | **HPSE** | **0.405** | **MYOF** | **SERPING1** | **0.438** | **NFKB1** | **CD274** | **0.605** | **NFKB1** | **STAT1** | **0.926** |
| **149** | **MMP9** | **IL15** | **0.479** | **NAA38** | **CDC40** | **0.532** | **NFKB1** | **CD36** | **0.693** | **NFKB1** | **STAT3** | **0.962** |
| **150** | **MMP9** | **IL1B** | **0.949** | **NAA38** | **LSM1** | **0.493** | **NFKB1** | **CDC42** | **0.680** | **NFKB1** | **TIFA** | **0.445** |
| **151** | **NFKB1** | **TLR5** | **0.977** | **NOD2** | **CAMP** | **0.528** | **NOP2** | **RRP9** | **0.694** | **NR2C2** | **RBBP4** | **0.542** |
| **152** | **NFKB1** | **TNFSF10** | **0.471** | **NOD2** | **CARD16** | **0.427** | **NOP2** | **RSL24D1** | **0.987** | **NR2C2** | **STAT3** | **0.411** |
| **153** | **NFKB1** | **TNFSF13B** | **0.735** | **NOD2** | **CASP1** | **0.923** | **NOP2** | **STAU1** | **0.463** | **NUDCD1** | **LSM3** | **0.629** |
| **154** | **NLRC4** | **AIM2** | **0.999** | **NOD2** | **CYBB** | **0.484** | **NPM1** | **BMI1** | **0.414** | **NUDCD1** | **POLR2G** | **0.622** |
| **155** | **NLRC4** | **CARD16** | **0.489** | **NOD2** | **GBP5** | **0.485** | **NPM1** | **DDX1** | **0.439** | **NUDCD1** | **PPP2R1A** | **0.624** |
| **156** | **NLRC4** | **CARD17** | **0.490** | **NOD2** | **IFIH1** | **0.855** | **NPM1** | **GNL2** | **0.904** | **NUDCD1** | **PSMG2** | **0.626** |
| **157** | **NLRC4** | **CASP1** | **0.999** | **NOD2** | **IL18RAP** | **0.476** | **NPM1** | **GOT2** | **0.450** | **NUDCD1** | **SMARCB1** | **0.651** |
| **158** | **NLRC4** | **CLEC4D** | **0.453** | **NOD2** | **IL1B** | **0.866** | **NPM1** | **H2BC21** | **0.829** | **NUDCD1** | **STAT1** | **0.621** |
| **159** | **NLRC4** | **CYBB** | **0.529** | **NOD2** | **IL2** | **0.463** | **NPM1** | **HMGB1** | **0.495** | **NUDCD1** | **STAT3** | **0.620** |
| **160** | **NLRC4** | **GBP5** | **0.449** | **NOD2** | **IL23A** | **0.425** | **NPM1** | **HNRNPD** | **0.702** | **NXF1** | **GBP2** | **0.594** |
| **161** | **NLRC4** | **HMGB1** | **0.435** | **NOD2** | **IRAK3** | **0.652** | **NPM1** | **HNRNPM** | **0.506** | **NXF1** | **GNL2** | **0.469** |
| **162** | **NLRC4** | **IFIH1** | **0.527** | **NOD2** | **JAK2** | **0.449** | **NPM1** | **JAK2** | **0.644** | **NXF1** | **HNRNPM** | **0.452** |
| **163** | **NLRC4** | **IL18RAP** | **0.449** | **NOD2** | **LRRK2** | **0.529** | **NPM1** | **LMNB1** | **0.801** | **NXF1** | **MATR3** | **0.554** |
| **164** | **NLRC4** | **IL1B** | **0.921** | **NOD2** | **MAPK14** | **0.630** | **NPM1** | **LRRK2** | **0.523** | **NXF1** | **PABPN1** | **0.588** |
| **165** | **NLRC4** | **MCEMP1** | **0.468** | **NOD2** | **NAIP** | **0.620** | **NPM1** | **LYAR** | **0.465** | **NXF1** | **RSL24D1** | **0.469** |
| **166** | **NLRC4** | **NAIP** | **0.999** | **NOD2** | **NFKB1** | **0.776** | **NPM1** | **MATR3** | **0.508** | **NXF1** | **SRSF5** | **0.867** |
| **167** | **NLRC4** | **NFKB1** | **0.448** | **NOD2** | **NLRC4** | **0.921** | **NPM1** | **MMP9** | **0.487** | **OLFM4** | **BMI1** | **0.607** |
| **168** | **NLRC4** | **NOD2** | **0.921** | **NOD2** | **OLFM4** | **0.486** | **NPM1** | **NAT10** | **0.459** | **OLFM4** | **DEFA4** | **0.737** |
| **169** | **NLRC4** | **TLR5** | **0.758** | **NOD2** | **S100A8** | **0.418** | **NPM1** | **NFKB1** | **0.411** | **OLFM4** | **NOD2** | **0.486** |
| **170** | **NMI** | **EPSTI1** | **0.456** | **NOD2** | **SLC22A4** | **0.841** | **NPM1** | **NOP2** | **0.924** | **OSBPL3** | **ESYT1** | **0.446** |
| **171** | **NMI** | **GBP1** | **0.531** | **NOD2** | **STAT1** | **0.496** | **NPM1** | **PABPN1** | **0.416** | **OSM** | **IL15** | **0.495** |
| **172** | **NMI** | **IFIH1** | **0.637** | **NOD2** | **STAT3** | **0.510** | **NPM1** | **PSME3** | **0.408** | **OSM** | **IL1B** | **0.749** |
| **173** | **NMI** | **IFIT3** | **0.423** | **NOD2** | **TLR5** | **0.867** | **NPM1** | **RBBP4** | **0.960** | **OSM** | **IL23A** | **0.514** |
| **174** | **NMI** | **PARP9** | **0.593** | **NOD2** | **TNFSF13B** | **0.455** | **NPM1** | **RBBP7** | **0.874** | **OSM** | **IL7R** | **0.805** |
| **175** | **NMI** | **PLSCR1** | **0.467** | **NOD2** | **TRIM22** | **0.528** | **NPM1** | **SMARCB1** | **0.527** | **OSM** | **JAK2** | **0.919** |
| **176** | **NMI** | **RTP4** | **0.423** | **NOP2** | **GNL2** | **0.945** | **NPM1** | **STAT3** | **0.744** | **OSM** | **MMP9** | **0.689** |
| **177** | **NMI** | **STAT1** | **0.855** | **NOP2** | **LYAR** | **0.667** | **NPM1** | **STAU1** | **0.549** | **OSM** | **S100A12** | **0.632** |
| **178** | **NMI** | **STAT3** | **0.491** | **NOP2** | **MTFMT** | **0.725** | **NPM1** | **SUMO2** | **0.835** | **OSM** | **SORT1** | **0.418** |
| **179** | **NMI** | **UBE2L6** | **0.720** | **NOP2** | **NAT10** | **0.920** | **NPRL2** | **RASSF1** | **0.595** | **OSM** | **STAT1** | **0.699** |
| **180** | **NOD2** | **AIM2** | **0.690** | **NOP2** | **NPM1** | **0.924** | **NR2C2** | **HPSE** | **0.431** | **OSM** | **STAT3** | **0.911** |
| **181** | **P2RY14** | **ADORA3** | **0.515** | **PARP9** | **IFIT1** | **0.751** | **PLSCR1** | **RTP4** | **0.590** | **PPP1CA** | **USP11** | **0.680** |
| **182** | **P2RY14** | **IFITM3** | **0.414** | **PARP9** | **IFIT2** | **0.774** | **PLSCR1** | **SAMD9L** | **0.457** | **PPP2R1A** | **CDK11B** | **0.508** |
| **183** | **PABPC5** | **PABPN1** | **0.926** | **PARP9** | **IFIT3** | **0.925** | **PLSCR1** | **STAT1** | **0.723** | **PPP2R1A** | **INTS4** | **0.933** |
| **184** | **PABPC5** | **PAIP1** | **0.974** | **PARP9** | **IFITM3** | **0.641** | **PLSCR1** | **TRIM22** | **0.522** | **PPP2R1A** | **LMNB1** | **0.560** |
| **185** | **PABPN1** | **CDC40** | **0.814** | **PARP9** | **JAK2** | **0.657** | **PLSCR1** | **UBE2L6** | **0.524** | **PPP2R1A** | **LRP6** | **0.514** |
| **186** | **PABPN1** | **HNRNPD** | **0.667** | **PARP9** | **LAP3** | **0.537** | **POLR2G** | **H2BC21** | **0.653** | **PPP2R1A** | **LRRK2** | **0.567** |
| **187** | **PABPN1** | **HNRNPM** | **0.674** | **PARP9** | **NMI** | **0.593** | **POLR2G** | **HNRNPM** | **0.707** | **PPP2R1A** | **NFKB1** | **0.916** |
| **188** | **PABPN1** | **NPM1** | **0.416** | **PARP9** | **PLSCR1** | **0.713** | **POLR2G** | **INTS4** | **0.808** | **PPP2R1A** | **NUDCD1** | **0.624** |
| **189** | **PABPN1** | **NXF1** | **0.588** | **PARP9** | **RSAD2** | **0.866** | **POLR2G** | **LSM1** | **0.462** | **PPP2R1A** | **POLR2G** | **0.812** |
| **190** | **PABPN1** | **PABPC5** | **0.926** | **PARP9** | **RTP4** | **0.805** | **POLR2G** | **MED19** | **0.941** | **PPP2R1A** | **PPP1CA** | **0.676** |
| **191** | **PABPN1** | **PAIP1** | **0.493** | **PARP9** | **SAMD9L** | **0.872** | **POLR2G** | **NUDCD1** | **0.622** | **PPP2R1A** | **RBL2** | **0.437** |
| **192** | **PABPN1** | **PSMA4** | **0.409** | **PARP9** | **STAT1** | **0.943** | **POLR2G** | **PPP2R1A** | **0.812** | **PRKCH** | **PRKCQ** | **0.495** |
| **193** | **PABPN1** | **SRSF5** | **0.902** | **PARP9** | **TNFSF10** | **0.421** | **POLR2G** | **RBBP4** | **0.580** | **PRKCQ** | **CD2** | **0.412** |
| **194** | **PABPN1** | **STAU1** | **0.473** | **PARP9** | **TNFSF13B** | **0.502** | **POLR2G** | **RBBP7** | **0.590** | **PRKCQ** | **CDC42** | **0.407** |
| **195** | **PAIP1** | **HNRNPD** | **0.977** | **PARP9** | **TRIM22** | **0.747** | **POTEE** | **ESYT1** | **0.400** | **PRKCQ** | **CTSH** | **0.502** |
| **196** | **PAIP1** | **PABPC5** | **0.974** | **PARP9** | **UBE2L6** | **0.696** | **POTEE** | **LMNB1** | **0.468** | **PRKCQ** | **IL2** | **0.494** |
| **197** | **PAIP1** | **PABPN1** | **0.493** | **PASK** | **UGP2** | **0.792** | **PPP1CA** | **ANAPC1** | **0.432** | **PRKCQ** | **LAT** | **0.480** |
| **198** | **PAIP1** | **TUT4** | **0.433** | **PLSCR1** | **EPSTI1** | **0.582** | **PPP1CA** | **CDC42** | **0.407** | **PRKCQ** | **NFKB1** | **0.953** |
| **199** | **PARP9** | **ART5** | **0.400** | **PLSCR1** | **GBP1** | **0.640** | **PPP1CA** | **DDX1** | **0.480** | **PRKCQ** | **PRKCH** | **0.495** |
| **200** | **PARP9** | **BATF2** | **0.558** | **PLSCR1** | **IFI27** | **0.585** | **PPP1CA** | **IFIH1** | **0.759** | **PRPF39** | **HNRNPM** | **0.452** |
| **201** | **PARP9** | **EPSTI1** | **0.900** | **PLSCR1** | **IFI44L** | **0.732** | **PPP1CA** | **LRRK2** | **0.416** | **PRPF39** | **LSM7** | **0.693** |
| **202** | **PARP9** | **FBXO6** | **0.492** | **PLSCR1** | **IFIH1** | **0.705** | **PPP1CA** | **MYL9** | **0.921** | **PRPF39** | **NAA38** | **0.583** |
| **203** | **PARP9** | **GBP1** | **0.814** | **PLSCR1** | **IFIT1** | **0.696** | **PPP1CA** | **NFKB1** | **0.402** | **PRPF39** | **SRSF5** | **0.594** |
| **204** | **PARP9** | **GBP2** | **0.511** | **PLSCR1** | **IFIT2** | **0.632** | **PPP1CA** | **PPP2R1A** | **0.676** | **PSMA4** | **ANAPC1** | **0.413** |
| **205** | **PARP9** | **GBP4** | **0.651** | **PLSCR1** | **IFIT3** | **0.791** | **PPP1CA** | **PSME3** | **0.556** | **PSMA4** | **HIF1A** | **0.734** |
| **206** | **PARP9** | **GBP5** | **0.609** | **PLSCR1** | **IFITM3** | **0.579** | **PPP1CA** | **RBL2** | **0.914** | **PSMA4** | **HNRNPD** | **0.462** |
| **207** | **PARP9** | **H2BC21** | **0.533** | **PLSCR1** | **LAP3** | **0.426** | **PPP1CA** | **RPS6KA2** | **0.672** | **PSMA4** | **LSM3** | **0.531** |
| **208** | **PARP9** | **IFI27** | **0.535** | **PLSCR1** | **NMI** | **0.467** | **PPP1CA** | **SERPING1** | **0.501** | **PSMA4** | **NFKB1** | **0.692** |
| **209** | **PARP9** | **IFI44L** | **0.931** | **PLSCR1** | **PARP9** | **0.713** | **PPP1CA** | **SMARCB1** | **0.651** | **PSMA4** | **PABPN1** | **0.409** |
| **210** | **PARP9** | **IFIH1** | **0.888** | **PLSCR1** | **RSAD2** | **0.735** | **PPP1CA** | **STAU1** | **0.457** | **PSMA4** | **PSME3** | **0.887** |
| **211** | **PSMA4** | **PSMG2** | **0.971** | **SERPING1** | **IFIT1** | **0.428** | **DEFA4** | **OLFM4** | **0.737** | **GOT2** | **LAP3** | **0.888** |
| **212** | **PSMA4** | **SMARCB1** | **0.486** | **SERPING1** | **IFIT3** | **0.489** | **DEFA4** | **S100A12** | **0.494** | **GOT2** | **NPM1** | **0.450** |
| **213** | **PSMA4** | **SORT1** | **0.805** | **SERPING1** | **IFITM3** | **0.445** | **DHRS9** | **TSPO** | **0.416** | **GOT2** | **STAT1** | **0.504** |
| **214** | **PSMA4** | **TNFSF13B** | **0.473** | **SERPING1** | **IL1B** | **0.442** | **DHX16** | **ABCF1** | **0.467** | **GPR183** | **C1QB** | **0.502** |
| **215** | **PSMA4** | **USP39** | **0.404** | **SERPING1** | **MYOF** | **0.438** | **DHX16** | **CD2** | **0.412** | **GPR183** | **CD2** | **0.402** |
| **216** | **PSME3** | **ANAPC1** | **0.433** | **SERPING1** | **PPP1CA** | **0.501** | **DHX16** | **CDC40** | **0.997** | **GPR183** | **CXCR5** | **0.600** |
| **217** | **PSME3** | **HIF1A** | **0.501** | **SERPING1** | **RSAD2** | **0.452** | **DHX16** | **DDX1** | **0.479** | **GPR183** | **GZMK** | **0.509** |
| **218** | **PSME3** | **HNRNPD** | **0.583** | **SERPING1** | **STAT1** | **0.420** | **DHX16** | **LRRK2** | **0.525** | **GPR183** | **IL7R** | **0.516** |
| **219** | **PSME3** | **HNRNPM** | **0.534** | **SERPING1** | **UBE2L6** | **0.485** | **DHX16** | **LSM3** | **0.915** | **GPR183** | **S1PR1** | **0.604** |
| **220** | **PSME3** | **ITPKB** | **0.564** | **SIGLEC5** | **HMGB1** | **0.473** | **DHX16** | **LSM7** | **0.919** | **GPR183** | **TNFSF13B** | **0.421** |
| **221** | **PSME3** | **NFKB1** | **0.513** | **SIGLEC5** | **IL18RAP** | **0.438** | **DHX16** | **USP39** | **0.620** | **GPR84** | **CLEC4D** | **0.545** |
| **222** | **PSME3** | **NPM1** | **0.408** | **SIGLEC5** | **IL7R** | **0.484** | **DUSP2** | **MAPK14** | **0.802** | **GPR84** | **CYBB** | **0.436** |
| **223** | **PSME3** | **PPP1CA** | **0.556** | **SIPA1L2** | **RAP1B** | **0.913** | **DUSP2** | **STAT1** | **0.405** | **GPR84** | **HCAR3** | **0.563** |
| **224** | **PSME3** | **PSMA4** | **0.887** | **SKAP1** | **CD2** | **0.501** | **DUSP3** | **GBP5** | **0.544** | **GPR84** | **IL1B** | **0.507** |
| **225** | **PSME3** | **RBBP7** | **0.453** | **SKAP1** | **CDC42** | **0.485** | **DUSP3** | **LHFPL2** | **0.450** | **GPR84** | **MCEMP1** | **0.522** |
| **226** | **PSME3** | **TNFSF13B** | **0.440** | **SKAP1** | **FAM102A** | **0.684** | **DUSP3** | **MAPK14** | **0.936** | **GPR84** | **S100A12** | **0.415** |
| **227** | **PSMG2** | **NUDCD1** | **0.626** | **SKAP1** | **LAT** | **0.440** | **DYSF** | **ANXA3** | **0.428** | **GPR84** | **TNFAIP6** | **0.469** |
| **228** | **PSMG2** | **PSMA4** | **0.971** | **SKAP1** | **RAP1B** | **0.911** | **ECSIT** | **IFIH1** | **0.703** | **GYG1** | **UGP2** | **0.956** |
| **229** | **PSTPIP2** | **ANKRD22** | **0.440** | **SLC22A4** | **NOD2** | **0.841** | **ECSIT** | **NFKB1** | **0.419** | **GZMK** | **CD2** | **0.889** |
| **230** | **RAP1B** | **CDC42** | **0.765** | **SLC22A4** | **SLC9A3R1** | **0.486** | **EFNB3** | **CDC42** | **0.436** | **GZMK** | **CD96** | **0.610** |
| **231** | **RAP1B** | **ITGA2B** | **0.715** | **SLC26A8** | **SEPTIN4** | **0.454** | **EFNB3** | **EPHA4** | **0.999** | **GZMK** | **GBP5** | **0.405** |
| **232** | **RAP1B** | **SIPA1L2** | **0.913** | **SLC9A3R1** | **CDC42** | **0.578** | **EFNB3** | **MMP9** | **0.461** | **GZMK** | **GPR183** | **0.509** |
| **233** | **RAP1B** | **SKAP1** | **0.911** | **SLC9A3R1** | **LRP6** | **0.403** | **EFNB3** | **RELN** | **0.459** | **GZMK** | **HLA-DOA** | **0.428** |
| **234** | **RASSF1** | **APBA1** | **0.430** | **SLC9A3R1** | **RPS6KA2** | **0.451** | **EFNB3** | **STAT3** | **0.516** | **GZMK** | **HLA-DOB** | **0.464** |
| **235** | **RASSF1** | **BMI1** | **0.481** | **SLC9A3R1** | **SLC22A4** | **0.486** | **EHMT1** | **ANAPC1** | **0.519** | **GZMK** | **IL18RAP** | **0.442** |
| **236** | **RASSF1** | **MOAP1** | **0.912** | **SLTM** | **CDC40** | **0.420** | **EHMT1** | **H2BC21** | **0.673** | **GZMK** | **IL2** | **0.407** |
| **237** | **RASSF1** | **NPRL2** | **0.595** | **SLTM** | **HNRNPM** | **0.458** | **EHMT1** | **NFKB1** | **0.563** | **GZMK** | **IL7R** | **0.767** |
| **238** | **RASSF1** | **STK4** | **0.998** | **SMARCB1** | **CHD7** | **0.502** | **EHMT1** | **SMARCB1** | **0.533** | **GZMK** | **KLRG1** | **0.727** |
| **239** | **RBBP4** | **BMI1** | **0.963** | **SMARCB1** | **EHMT1** | **0.533** | **EPHA4** | **CDC42** | **0.478** | **GZMK** | **MMP9** | **0.502** |
| **240** | **RBBP4** | **H2BC21** | **0.848** | **SMARCB1** | **H2BC21** | **0.969** | **EPHA4** | **EFNB3** | **0.999** | **H2BC21** | **BMI1** | **0.731** |
| **241** | **RBBP4** | **HNRNPM** | **0.417** | **SMARCB1** | **JAK2** | **0.422** | **EPHA4** | **JAK2** | **0.441** | **H2BC21** | **CAMP** | **0.509** |
| **242** | **RBBP4** | **NPM1** | **0.960** | **SMARCB1** | **NPM1** | **0.527** | **EPSTI1** | **BATF2** | **0.406** | **H2BC21** | **CHD7** | **0.518** |
| **243** | **RBBP4** | **NR2C2** | **0.542** | **SMARCB1** | **NUDCD1** | **0.651** | **EPSTI1** | **FBXO6** | **0.402** | **H2BC21** | **EHMT1** | **0.673** |
| **244** | **RBBP4** | **POLR2G** | **0.580** | **SMARCB1** | **PPP1CA** | **0.651** | **EPSTI1** | **GBP1** | **0.780** | **H2BC21** | **HERC2** | **0.534** |
| **245** | **RBBP4** | **RBBP7** | **0.999** | **SMARCB1** | **PSMA4** | **0.486** | **EPSTI1** | **GBP2** | **0.430** | **H2BC21** | **IL2** | **0.570** |
| **246** | **RBBP4** | **RBL2** | **0.952** | **SMARCB1** | **RBBP4** | **0.672** | **EPSTI1** | **GBP4** | **0.767** | **H2BC21** | **ITGA2B** | **0.591** |
| **247** | **RBBP4** | **SMARCB1** | **0.672** | **SMARCB1** | **RBBP7** | **0.545** | **EPSTI1** | **GBP5** | **0.698** | **H2BC21** | **LMNB1** | **0.520** |
| **248** | **RBBP4** | **STAT3** | **0.435** | **SMARCB1** | **SMARCD3** | **0.999** | **EPSTI1** | **IFI27** | **0.711** | **H2BC21** | **MAPK14** | **0.560** |
| **249** | **RBBP4** | **SUMO2** | **0.717** | **SMARCB1** | **STAT1** | **0.426** | **EPSTI1** | **IFI44L** | **0.921** | **H2BC21** | **NPM1** | **0.829** |
| **250** | **RBBP7** | **BMI1** | **0.964** | **SMARCD3** | **CD36** | **0.426** | **EPSTI1** | **IFIH1** | **0.851** | **H2BC21** | **PARP9** | **0.533** |
| **251** | **RBBP7** | **H2BC21** | **0.861** | **SMARCD3** | **CHD7** | **0.421** | **EPSTI1** | **IFIT1** | **0.740** | **H2BC21** | **POLR2G** | **0.653** |
| **252** | **RBBP7** | **HNRNPM** | **0.519** | **SMARCD3** | **HMGB1** | **0.482** | **EPSTI1** | **IFIT2** | **0.808** | **H2BC21** | **RBBP4** | **0.848** |
| **253** | **RBBP7** | **LRRK2** | **0.517** | **SMARCD3** | **MAPK14** | **0.425** | **EPSTI1** | **IFIT3** | **0.897** | **H2BC21** | **RBBP7** | **0.861** |
| **254** | **RBBP7** | **NPM1** | **0.874** | **SMARCD3** | **SMARCB1** | **0.999** | **EPSTI1** | **IFITM3** | **0.610** | **H2BC21** | **SMARCB1** | **0.969** |
| **255** | **RBBP7** | **POLR2G** | **0.590** | **SORBS3** | **MYL9** | **0.561** | **EPSTI1** | **LAP3** | **0.478** | **H2BC21** | **STK4** | **0.728** |
| **256** | **RBBP7** | **PSME3** | **0.453** | **SORT1** | **CTSH** | **0.462** | **EPSTI1** | **NMI** | **0.456** | **H2BC21** | **SUMO2** | **0.784** |
| **257** | **RBBP7** | **RBBP4** | **0.999** | **SORT1** | **OSM** | **0.418** | **EPSTI1** | **PARP9** | **0.900** | **HCAR3** | **GPR84** | **0.563** |
| **258** | **RBBP7** | **RBL2** | **0.548** | **SORT1** | **PSMA4** | **0.805** | **EPSTI1** | **PLSCR1** | **0.582** | **HCAR3** | **IL1B** | **0.409** |
| **259** | **RBBP7** | **SMARCB1** | **0.545** | **SORT1** | **VAMP8** | **0.587** | **EPSTI1** | **RSAD2** | **0.900** | **HERC2** | **H2BC21** | **0.534** |
| **260** | **RBBP7** | **SUMO2** | **0.640** | **SPCS2** | **RPS4Y1** | **0.428** | **EPSTI1** | **RTP4** | **0.730** | **HERC2** | **NAT10** | **0.417** |
| **261** | **RBBP7** | **USP11** | **0.400** | **SPCS2** | **TRAPPC1** | **0.455** | **EPSTI1** | **SAMD9L** | **0.890** | **HERC2** | **SUMO2** | **0.513** |
| **262** | **RBL2** | **PPP1CA** | **0.914** | **SRSF5** | **CDC40** | **0.830** | **EPSTI1** | **STAT1** | **0.837** | **HIF1A** | **ADM** | **0.534** |
| **263** | **RBL2** | **PPP2R1A** | **0.437** | **SRSF5** | **HNRNPD** | **0.715** | **EPSTI1** | **TNFSF13B** | **0.576** | **HIF1A** | **ANGPT1** | **0.653** |
| **264** | **RBL2** | **RBBP4** | **0.952** | **SRSF5** | **HNRNPM** | **0.789** | **EPSTI1** | **TRIM22** | **0.550** | **HIF1A** | **BMI1** | **0.459** |
| **265** | **RBL2** | **RBBP7** | **0.548** | **SRSF5** | **NXF1** | **0.867** | **EPSTI1** | **UBE2L6** | **0.531** | **HIF1A** | **CASP1** | **0.506** |
| **266** | **RELN** | **DAB1** | **0.946** | **SRSF5** | **PABPN1** | **0.902** | **ESYT1** | **ANKRD22** | **0.462** | **HIF1A** | **CD274** | **0.669** |
| **267** | **RELN** | **EFNB3** | **0.459** | **SRSF5** | **PRPF39** | **0.594** | **ESYT1** | **LMNB1** | **0.430** | **HIF1A** | **CD36** | **0.520** |
| **268** | **RELN** | **ITGA2B** | **0.671** | **STAT1** | **AIM2** | **0.544** | **ESYT1** | **OSBPL3** | **0.446** | **HIF1A** | **CDC42** | **0.443** |
| **269** | **RNF144A** | **RSAD2** | **0.403** | **STAT1** | **BATF2** | **0.545** | **ESYT1** | **POTEE** | **0.400** | **HIF1A** | **CDH5** | **0.606** |
| **270** | **RNF144A** | **UBE2L6** | **0.442** | **STAT1** | **CASP1** | **0.702** | **F5** | **LMAN1** | **0.789** | **HIF1A** | **CYBB** | **0.600** |
| **271** | **RPS4Y1** | **NAT10** | **0.621** | **STAT1** | **CD2** | **0.413** | **F5** | **SERPINA10** | **0.400** | **HIF1A** | **HMGB1** | **0.517** |
| **272** | **RPS4Y1** | **RRP9** | **0.767** | **STAT1** | **CD274** | **0.776** | **FAM102A** | **NELL2** | **0.459** | **HIF1A** | **IL1B** | **0.771** |
| **273** | **RPS4Y1** | **RSL24D1** | **0.575** | **STAT1** | **CD36** | **0.441** | **FAM102A** | **SKAP1** | **0.684** | **HIF1A** | **IL2** | **0.583** |
| **274** | **RPS4Y1** | **SPCS2** | **0.428** | **STAT1** | **CDC42** | **0.550** | **FAM214A** | **RSL24D1** | **0.544** | **HIF1A** | **JAK2** | **0.784** |
| **275** | **RPS6KA2** | **PPP1CA** | **0.672** | **STAT1** | **CXCR5** | **0.432** | **FBXO6** | **EPSTI1** | **0.402** | **HIF1A** | **LMNB1** | **0.431** |
| **276** | **RPS6KA2** | **SLC9A3R1** | **0.451** | **STAT1** | **CYBB** | **0.562** | **FBXO6** | **PARP9** | **0.492** | **HIF1A** | **LRRK2** | **0.728** |
| **277** | **RRP9** | **GNL2** | **0.830** | **STAT1** | **DUSP2** | **0.405** | **FBXO6** | **STAT1** | **0.429** | **HIF1A** | **MAPK14** | **0.693** |
| **278** | **RRP9** | **LYAR** | **0.549** | **STAT1** | **EPSTI1** | **0.837** | **FBXO6** | **STAT3** | **0.441** | **HIF1A** | **MMP9** | **0.824** |
| **279** | **RRP9** | **NAT10** | **0.998** | **STAT1** | **FBXO6** | **0.429** | **FBXO6** | **UBE2L6** | **0.424** | **HIF1A** | **NFKB1** | **0.816** |
| **280** | **RRP9** | **NOP2** | **0.694** | **STAT1** | **GBP1** | **0.969** | **FBXO6** | **USP11** | **0.400** | **HIF1A** | **PSMA4** | **0.734** |
| **281** | **RRP9** | **RPS4Y1** | **0.767** | **STAT1** | **GBP2** | **0.881** | **FCMR** | **CXCR5** | **0.469** | **HIF1A** | **PSME3** | **0.501** |
| **282** | **RRP9** | **RSL24D1** | **0.627** | **STAT1** | **GBP4** | **0.853** | **FCMR** | **FCRLA** | **0.645** | **HIF1A** | **STAT1** | **0.748** |
| **283** | **RSAD2** | **AIM2** | **0.444** | **STAT1** | **GBP5** | **0.934** | **FCMR** | **IL18RAP** | **0.400** | **HIF1A** | **STAT3** | **0.994** |
| **284** | **RSAD2** | **BATF2** | **0.551** | **STAT1** | **GOT2** | **0.504** | **FCMR** | **IL7R** | **0.478** | **HIF1A** | **SUMO2** | **0.619** |
| **285** | **RSAD2** | **EPSTI1** | **0.900** | **STAT1** | **HIF1A** | **0.748** | **FCRLA** | **BANK1** | **0.517** | **HIF1A** | **TSPO** | **0.482** |
| **286** | **RSAD2** | **GBP1** | **0.791** | **STAT1** | **HMGB1** | **0.658** | **FCRLA** | **BLK** | **0.855** | **HLA-DOA** | **C1QB** | **0.593** |
| **287** | **RSAD2** | **GBP2** | **0.563** | **STAT1** | **IFI27** | **0.844** | **FCRLA** | **CD274** | **0.481** | **HLA-DOA** | **GZMK** | **0.428** |
| **288** | **RSAD2** | **GBP4** | **0.687** | **STAT1** | **IFI44L** | **0.870** | **FCRLA** | **CXCR5** | **0.612** | **HLA-DOA** | **HLA-DOB** | **0.980** |
| **289** | **RSAD2** | **GBP5** | **0.629** | **STAT1** | **IFIH1** | **0.963** | **FCRLA** | **FCMR** | **0.645** | **HLA-DOA** | **IL2** | **0.429** |
| **290** | **RSAD2** | **IFI27** | **0.958** | **STAT1** | **IFIT1** | **0.945** | **FCRLA** | **HLA-DOB** | **0.633** | **HLA-DOB** | **BLK** | **0.620** |
| **291** | **RSAD2** | **IFI44L** | **0.999** | **STAT1** | **IFIT2** | **0.963** | **GBP1** | **AIM2** | **0.685** | **HLA-DOB** | **CAMP** | **0.495** |
| **292** | **RSAD2** | **IFIH1** | **0.954** | **STAT1** | **IFIT3** | **0.985** | **GBP1** | **BATF2** | **0.662** | **HLA-DOB** | **FCRLA** | **0.633** |
| **293** | **RSAD2** | **IFIT1** | **0.970** | **STAT1** | **IFITM3** | **0.826** | **GBP1** | **CALHM6** | **0.463** | **HLA-DOB** | **GZMK** | **0.464** |
| **294** | **RSAD2** | **IFIT2** | **0.962** | **STAT1** | **IL15** | **0.753** | **GBP1** | **CASP1** | **0.578** | **HLA-DOB** | **HLA-DOA** | **0.980** |
| **295** | **RSAD2** | **IFIT3** | **0.999** | **STAT1** | **IL1B** | **0.846** | **GBP1** | **CD274** | **0.545** | **HMGB1** | **AIM2** | **0.522** |
| **296** | **RSAD2** | **IFITM3** | **0.744** | **STAT1** | **IL2** | **0.797** | **GBP1** | **EPSTI1** | **0.780** | **HMGB1** | **CAMP** | **0.882** |
| **297** | **RSAD2** | **IL1B** | **0.488** | **STAT1** | **IL23A** | **0.430** | **GBP1** | **GBP2** | **0.967** | **HMGB1** | **CASP1** | **0.687** |
| **298** | **RSAD2** | **LAP3** | **0.532** | **STAT1** | **IL7R** | **0.666** | **GBP1** | **GBP4** | **0.905** | **HMGB1** | **CD274** | **0.549** |
| **299** | **RSAD2** | **PARP9** | **0.866** | **STAT1** | **IRAK3** | **0.419** | **GBP1** | **GBP5** | **0.908** | **HMGB1** | **CD36** | **0.789** |
| **300** | **RSAD2** | **PLSCR1** | **0.735** | **STAT1** | **JAK2** | **0.999** | **GBP1** | **IFI27** | **0.645** | **HMGB1** | **CDC42** | **0.458** |
| **301** | **RSAD2** | **RNF144A** | **0.403** | **STAT1** | **LAP3** | **0.779** | **GBP1** | **IFI44L** | **0.771** | **HMGB1** | **CEACAM1** | **0.680** |
| **302** | **RSAD2** | **RTP4** | **0.927** | **STAT1** | **LRRK2** | **0.423** | **GBP1** | **IFIH1** | **0.870** | **HMGB1** | **CYBB** | **0.456** |
| **303** | **RSAD2** | **SAMD9L** | **0.781** | **STAT1** | **MAPK14** | **0.783** | **GBP1** | **IFIT1** | **0.826** | **HMGB1** | **HIF1A** | **0.517** |
| **304** | **RSAD2** | **SERPING1** | **0.452** | **STAT1** | **MMP9** | **0.727** | **GBP1** | **IFIT2** | **0.849** | **HMGB1** | **HP** | **0.760** |
| **305** | **RSAD2** | **STAT1** | **0.949** | **STAT1** | **NAIP** | **0.521** | **GBP1** | **IFIT3** | **0.896** | **HMGB1** | **IL1B** | **0.970** |
| **306** | **RSAD2** | **TNFSF10** | **0.541** | **STAT1** | **NFKB1** | **0.926** | **GBP1** | **IFITM3** | **0.624** | **HMGB1** | **IL2** | **0.511** |
| **307** | **RSAD2** | **TNFSF13B** | **0.463** | **STAT1** | **NMI** | **0.855** | **GBP1** | **IL15** | **0.464** | **HMGB1** | **JAK2** | **0.404** |
| **308** | **RSAD2** | **TRIM22** | **0.690** | **STAT1** | **NOD2** | **0.496** | **GBP1** | **IL1B** | **0.690** | **HMGB1** | **MMP9** | **0.593** |
| **309** | **RSAD2** | **UBE2L6** | **0.669** | **STAT1** | **NUDCD1** | **0.621** | **GBP1** | **JAK2** | **0.635** | **HMGB1** | **NFKB1** | **0.923** |
| **310** | **RSL24D1** | **FAM214A** | **0.544** | **STAT1** | **OSM** | **0.699** | **GBP1** | **LAP3** | **0.625** | **HMGB1** | **NLRC4** | **0.435** |
| **311** | **RSL24D1** | **GNL2** | **0.999** | **STAT1** | **PARP9** | **0.943** | **GBP1** | **NMI** | **0.531** | **HMGB1** | **NPM1** | **0.495** |
| **312** | **RSL24D1** | **LYAR** | **0.751** | **STAT1** | **PLSCR1** | **0.723** | **GBP1** | **PARP9** | **0.814** | **HMGB1** | **S100A12** | **0.894** |
| **313** | **RSL24D1** | **NAT10** | **0.679** | **STAT1** | **RSAD2** | **0.949** | **GBP1** | **PLSCR1** | **0.640** | **HMGB1** | **S100A8** | **0.646** |
| **314** | **RSL24D1** | **NOP2** | **0.987** | **STAT1** | **RTP4** | **0.672** | **GBP1** | **RSAD2** | **0.791** | **HMGB1** | **SIGLEC5** | **0.473** |
| **315** | **RSL24D1** | **NXF1** | **0.469** | **STAT1** | **SAMD9L** | **0.887** | **GBP1** | **RTP4** | **0.811** | **HMGB1** | **SMARCD3** | **0.482** |
| **316** | **RSL24D1** | **RPS4Y1** | **0.575** | **STAT1** | **SERPING1** | **0.420** | **GBP1** | **SAMD9L** | **0.773** | **HMGB1** | **STAT1** | **0.658** |
| **317** | **RSL24D1** | **RRP9** | **0.627** | **STAT1** | **SMARCB1** | **0.426** | **GBP1** | **SERPING1** | **0.592** | **HMGB1** | **STAT3** | **0.580** |
| **318** | **RTP4** | **BATF2** | **0.567** | **STAT1** | **STAT3** | **0.999** | **GBP1** | **STAT1** | **0.969** | **HMGB1** | **SUMO2** | **0.496** |
| **319** | **RTP4** | **CASP1** | **0.415** | **STAT1** | **TLR5** | **0.482** | **GBP1** | **TNFSF10** | **0.511** | **HMGB1** | **TLR5** | **0.896** |
| **320** | **RTP4** | **EPSTI1** | **0.730** | **STAT1** | **TNFSF10** | **0.594** | **GBP1** | **TNFSF13B** | **0.414** | **HNRNPD** | **DDX1** | **0.419** |
| **321** | **RTP4** | **GBP1** | **0.811** | **STAT1** | **TNFSF13B** | **0.719** | **GBP1** | **TRIM22** | **0.676** | **HNRNPD** | **HNRNPM** | **0.962** |
| **322** | **RTP4** | **GBP2** | **0.459** | **STAT1** | **TRIM22** | **0.825** | **GBP1** | **UBE2L6** | **0.706** | **HNRNPD** | **MATR3** | **0.522** |
| **323** | **RTP4** | **GBP4** | **0.526** | **STAT1** | **UBE2L6** | **0.915** | **GBP1** | **WARS1** | **0.594** | **HNRNPD** | **NPM1** | **0.702** |
| **324** | **RTP4** | **GBP5** | **0.442** | **STAT1** | **WARS1** | **0.615** | **GBP2** | **AIM2** | **0.651** | **HNRNPD** | **PABPN1** | **0.667** |
| **325** | **RTP4** | **IFI27** | **0.643** | **STAT3** | **BLK** | **0.821** | **GBP2** | **BATF2** | **0.438** | **HNRNPD** | **PAIP1** | **0.977** |
| **326** | **RTP4** | **IFI44L** | **0.759** | **STAT3** | **BMI1** | **0.548** | **GBP2** | **CASP1** | **0.605** | **HNRNPD** | **PSMA4** | **0.462** |
| **327** | **RTP4** | **IFIH1** | **0.803** | **STAT3** | **BMX** | **0.956** | **GBP2** | **EPSTI1** | **0.430** | **HNRNPD** | **PSME3** | **0.583** |
| **328** | **RTP4** | **IFIT1** | **0.791** | **STAT3** | **CASP1** | **0.609** | **GBP2** | **GBP1** | **0.967** | **HNRNPD** | **SRSF5** | **0.715** |
| **329** | **RTP4** | **IFIT2** | **0.693** | **STAT3** | **CD274** | **0.992** | **GBP2** | **GBP4** | **0.853** | **HNRNPD** | **STAU1** | **0.574** |
| **330** | **RTP4** | **IFIT3** | **0.847** | **STAT3** | **CD36** | **0.508** | **GBP2** | **GBP5** | **0.965** | **HNRNPM** | **DDX1** | **0.735** |
| **331** | **RTP4** | **IFITM3** | **0.646** | **STAT3** | **CDC42** | **0.538** | **GBP2** | **IFI44L** | **0.406** | **HNRNPM** | **HNRNPD** | **0.962** |
| **332** | **RTP4** | **NMI** | **0.423** | **STAT3** | **CDH5** | **0.403** | **GBP2** | **IFIH1** | **0.725** | **HNRNPM** | **IFIH1** | **0.473** |
| **333** | **RTP4** | **PARP9** | **0.805** | **STAT3** | **CXCR5** | **0.549** | **GBP2** | **IFIT1** | **0.597** | **HNRNPM** | **LSM3** | **0.509** |
| **334** | **RTP4** | **PLSCR1** | **0.590** | **STAT3** | **CYBB** | **0.527** | **GBP2** | **IFIT2** | **0.779** | **HNRNPM** | **MATR3** | **0.928** |
| **335** | **RTP4** | **RSAD2** | **0.927** | **STAT3** | **EFNB3** | **0.516** | **GBP2** | **IFIT3** | **0.637** | **HNRNPM** | **NPM1** | **0.506** |
| **336** | **RTP4** | **SAMD9L** | **0.711** | **STAT3** | **FBXO6** | **0.441** | **GBP2** | **IFITM3** | **0.509** | **HNRNPM** | **NXF1** | **0.452** |
| **337** | **RTP4** | **STAT1** | **0.672** | **STAT3** | **HIF1A** | **0.994** | **GBP2** | **IL1B** | **0.671** | **HNRNPM** | **PABPN1** | **0.674** |
| **338** | **RTP4** | **TMEM140** | **0.438** | **STAT3** | **HMGB1** | **0.580** | **GBP2** | **NXF1** | **0.594** | **HNRNPM** | **POLR2G** | **0.707** |
| **339** | **RTP4** | **TNFSF10** | **0.501** | **STAT3** | **IFIH1** | **0.441** | **GBP2** | **PARP9** | **0.511** | **HNRNPM** | **PRPF39** | **0.452** |
| **340** | **RTP4** | **TRIM22** | **0.595** | **STAT3** | **IFITM3** | **0.494** | **GBP2** | **RSAD2** | **0.563** | **HNRNPM** | **PSME3** | **0.534** |
| **341** | **RTP4** | **UBE2L6** | **0.637** | **STAT3** | **IL15** | **0.807** | **GBP2** | **RTP4** | **0.459** | **HNRNPM** | **RBBP4** | **0.417** |
| **342** | **S100A12** | **ANXA3** | **0.457** | **STAT3** | **IL1B** | **0.938** | **GBP2** | **SAMD9L** | **0.700** | **HNRNPM** | **RBBP7** | **0.519** |
| **343** | **S100A12** | **CAMP** | **0.749** | **STAT3** | **IL2** | **0.828** | **GBP2** | **SERPING1** | **0.531** | **HNRNPM** | **SLTM** | **0.458** |
| **344** | **S100A12** | **CASP1** | **0.430** | **STAT3** | **IL23A** | **0.750** | **GBP2** | **STAT1** | **0.881** | **HNRNPM** | **SRSF5** | **0.789** |
| **345** | **S100A12** | **CD36** | **0.674** | **STAT3** | **IL7R** | **0.746** | **GBP2** | **TNFSF10** | **0.474** | **HNRNPM** | **STAU1** | **0.441** |
| **346** | **S100A12** | **CLEC4D** | **0.571** | **STAT3** | **IRAK3** | **0.499** | **GBP2** | **TRIM22** | **0.451** | **HP** | **AZGP1** | **0.782** |
| **347** | **S100A12** | **CYBB** | **0.412** | **STAT3** | **JAK2** | **0.999** | **GBP2** | **UBE2L6** | **0.456** | **HP** | **CAMP** | **0.497** |
| **348** | **S100A12** | **DEFA4** | **0.494** | **STAT3** | **LMNB1** | **0.484** | **GBP4** | **BATF2** | **0.631** | **HP** | **CD36** | **0.598** |
| **349** | **S100A12** | **GPR84** | **0.415** | **STAT3** | **MAPK14** | **0.718** | **GBP4** | **CALHM6** | **0.486** | **HP** | **GOT2** | **0.584** |
| **350** | **S100A12** | **HMGB1** | **0.894** | **STAT3** | **MMP9** | **0.890** | **GBP4** | **CASP1** | **0.417** | **HP** | **HMGB1** | **0.760** |
| **351** | **S100A12** | **HP** | **0.599** | **STAT3** | **NFKB1** | **0.962** | **GBP4** | **CD274** | **0.440** | **HP** | **IL1B** | **0.650** |
| **352** | **S100A12** | **IL18RAP** | **0.492** | **STAT3** | **NMI** | **0.491** | **GBP4** | **EPSTI1** | **0.767** | **HP** | **IL2** | **0.412** |
| **353** | **S100A12** | **IL1B** | **0.762** | **STAT3** | **NOD2** | **0.510** | **GBP4** | **GBP1** | **0.905** | **HP** | **MMP9** | **0.791** |
| **354** | **S100A12** | **MCEMP1** | **0.653** | **STAT3** | **NPM1** | **0.744** | **GBP4** | **GBP2** | **0.853** | **HP** | **S100A12** | **0.599** |
| **355** | **S100A12** | **MMP9** | **0.707** | **STAT3** | **NR2C2** | **0.411** | **GBP4** | **GBP5** | **0.853** | **HP** | **S100A8** | **0.646** |
| **356** | **S100A12** | **NFKB1** | **0.567** | **STAT3** | **NUDCD1** | **0.620** | **GBP4** | **IFI44L** | **0.606** | **HP** | **SERPING1** | **0.645** |
| **357** | **S100A12** | **OSM** | **0.632** | **STAT3** | **OSM** | **0.911** | **GBP4** | **IFIH1** | **0.656** | **HPSE** | **LACRT** | **0.505** |
| **358** | **S100A12** | **S100A8** | **0.995** | **STAT3** | **RBBP4** | **0.435** | **GBP4** | **IFIT1** | **0.552** | **HPSE** | **MMP9** | **0.405** |
| **359** | **S100A8** | **AZGP1** | **0.492** | **STAT3** | **S100A8** | **0.418** | **GBP4** | **IFIT2** | **0.712** | **HPSE** | **NR2C2** | **0.431** |
| **360** | **S100A8** | **CAMP** | **0.622** | **STAT3** | **S1PR1** | **0.818** | **GBP4** | **IFIT3** | **0.722** | **IFI27** | **EPSTI1** | **0.711** |
| **361** | **S100A8** | **CASP1** | **0.400** | **STAT3** | **STAT1** | **0.999** | **GBP4** | **IFITM3** | **0.402** | **IFI27** | **GBP1** | **0.645** |
| **362** | **S100A8** | **CD36** | **0.662** | **STAT3** | **SUMO2** | **0.516** | **GBP4** | **IL1B** | **0.502** | **IFI27** | **IFI44L** | **0.977** |
| **363** | **S100A8** | **CYBB** | **0.659** | **STAT3** | **TLR5** | **0.461** | **GBP4** | **LAP3** | **0.420** | **IFI27** | **IFIH1** | **0.785** |
| **364** | **S100A8** | **HMGB1** | **0.646** | **STAT3** | **TNFSF10** | **0.473** | **GBP4** | **PARP9** | **0.651** | **IFI27** | **IFIT1** | **0.934** |
| **365** | **S100A8** | **HP** | **0.646** | **STAT3** | **TNFSF13B** | **0.487** | **GBP4** | **RSAD2** | **0.687** | **IFI27** | **IFIT2** | **0.774** |
| **366** | **S100A8** | **IL1B** | **0.656** | **STAT3** | **USP11** | **0.436** | **GBP4** | **RTP4** | **0.526** | **IFI27** | **IFIT3** | **0.904** |
| **367** | **S100A8** | **LRRK2** | **0.411** | **STAU1** | **CDC42** | **0.421** | **GBP4** | **SAMD9L** | **0.650** | **IFI27** | **IFITM3** | **0.829** |
| **368** | **S100A8** | **MMP9** | **0.493** | **STAU1** | **DDX1** | **0.468** | **GBP4** | **SERPING1** | **0.465** | **IFI27** | **PARP9** | **0.535** |
| **369** | **S100A8** | **NOD2** | **0.418** | **STAU1** | **HNRNPD** | **0.574** | **GBP4** | **STAT1** | **0.853** | **IFI27** | **PLSCR1** | **0.585** |
| **370** | **S100A8** | **S100A12** | **0.995** | **STAU1** | **HNRNPM** | **0.441** | **GBP4** | **TRIM22** | **0.552** | **IFI27** | **RSAD2** | **0.958** |
| **371** | **S100A8** | **STAT3** | **0.418** | **STAU1** | **MATR3** | **0.409** | **GBP4** | **UBE2L6** | **0.634** | **IFI27** | **RTP4** | **0.643** |
| **372** | **S100A8** | **TLR5** | **0.414** | **STAU1** | **NOP2** | **0.463** | **GBP4** | **WARS1** | **0.468** | **IFI27** | **SAMD9L** | **0.462** |
| **373** | **S1PR1** | **CD96** | **0.471** | **STAU1** | **NPM1** | **0.549** | **GBP5** | **AIM2** | **0.620** | **IFI27** | **SERPING1** | **0.401** |
| **374** | **S1PR1** | **CDH5** | **0.504** | **STAU1** | **PABPN1** | **0.473** | **GBP5** | **ANKRD22** | **0.573** | **IFI27** | **STAT1** | **0.844** |
| **375** | **S1PR1** | **CXCR5** | **0.707** | **STAU1** | **PPP1CA** | **0.457** | **GBP5** | **BATF2** | **0.806** | **IFI27** | **TNFSF10** | **0.432** |
| **376** | **S1PR1** | **GPR183** | **0.604** | **STK4** | **H2BC21** | **0.728** | **GBP5** | **CALHM6** | **0.607** | **IFI27** | **TRIM22** | **0.506** |
| **377** | **S1PR1** | **IL15** | **0.469** | **STK4** | **RASSF1** | **0.998** | **GBP5** | **CASP1** | **0.578** | **IFI44L** | **EPSTI1** | **0.921** |
| **378** | **S1PR1** | **IL2** | **0.446** | **STS** | **XK** | **0.662** | **GBP5** | **CD2** | **0.402** | **IFI44L** | **GBP1** | **0.771** |
| **379** | **S1PR1** | **IL7R** | **0.554** | **SUMO2** | **BMI1** | **0.628** | **GBP5** | **CD274** | **0.521** | **IFI44L** | **GBP2** | **0.406** |
| **380** | **S1PR1** | **KLRG1** | **0.487** | **SUMO2** | **GNL2** | **0.562** | **GBP5** | **DUSP3** | **0.544** | **IFI44L** | **GBP4** | **0.606** |
| **381** | **S1PR1** | **STAT3** | **0.818** | **SUMO2** | **H2BC21** | **0.784** | **GBP5** | **EPSTI1** | **0.698** | **IFI44L** | **GBP5** | **0.558** |
| **382** | **SAMD9L** | **BATF2** | **0.462** | **SUMO2** | **HERC2** | **0.513** | **GBP5** | **GBP1** | **0.908** | **IFI44L** | **IFI27** | **0.977** |
| **383** | **SAMD9L** | **CASP1** | **0.440** | **SUMO2** | **HIF1A** | **0.619** | **GBP5** | **GBP2** | **0.965** | **IFI44L** | **IFIH1** | **0.904** |
| **384** | **SAMD9L** | **EPSTI1** | **0.890** | **SUMO2** | **HMGB1** | **0.496** | **GBP5** | **GBP4** | **0.853** | **IFI44L** | **IFIT1** | **0.967** |
| **385** | **SAMD9L** | **GBP1** | **0.773** | **SUMO2** | **MATR3** | **0.517** | **GBP5** | **GZMK** | **0.405** | **IFI44L** | **IFIT2** | **0.921** |
| **386** | **SAMD9L** | **GBP2** | **0.700** | **SUMO2** | **NPM1** | **0.835** | **GBP5** | **IFI44L** | **0.558** | **IFI44L** | **IFIT3** | **0.982** |
| **387** | **SAMD9L** | **GBP4** | **0.650** | **SUMO2** | **RBBP4** | **0.717** | **GBP5** | **IFIH1** | **0.621** | **IFI44L** | **IFITM3** | **0.846** |
| **388** | **SAMD9L** | **GBP5** | **0.718** | **SUMO2** | **RBBP7** | **0.640** | **GBP5** | **IFIT1** | **0.566** | **IFI44L** | **LAP3** | **0.629** |
| **389** | **SAMD9L** | **IFI27** | **0.462** | **SUMO2** | **STAT3** | **0.516** | **GBP5** | **IFIT2** | **0.650** | **IFI44L** | **PARP9** | **0.931** |
| **390** | **SAMD9L** | **IFI44L** | **0.866** | **SUMO2** | **UBE2L6** | **0.475** | **GBP5** | **IFIT3** | **0.650** | **IFI44L** | **PLSCR1** | **0.732** |
| **391** | **SAMD9L** | **IFIH1** | **0.810** | **SUMO2** | **USP11** | **0.427** | **GBP5** | **IFITM3** | **0.519** | **IFI44L** | **RSAD2** | **0.999** |
| **392** | **SAMD9L** | **IFIT1** | **0.650** | **SYT1** | **AGFG1** | **0.638** | **GBP5** | **IL1B** | **0.641** | **IFI44L** | **RTP4** | **0.759** |
| **393** | **SAMD9L** | **IFIT2** | **0.853** | **SYT1** | **APBA1** | **0.599** | **GBP5** | **LAP3** | **0.422** | **IFI44L** | **SAMD9L** | **0.866** |
| **394** | **SAMD9L** | **IFIT3** | **0.913** | **SYT1** | **CACNA1A** | **0.765** | **GBP5** | **NLRC4** | **0.449** | **IFI44L** | **SERPING1** | **0.497** |
| **395** | **SAMD9L** | **IFITM3** | **0.440** | **SYT1** | **VAMP8** | **0.678** | **GBP5** | **NOD2** | **0.485** | **IFI44L** | **STAT1** | **0.870** |
| **396** | **SAMD9L** | **JAK2** | **0.416** | **TIFA** | **NFKB1** | **0.445** | **GBP5** | **PARP9** | **0.609** | **IFI44L** | **TNFSF10** | **0.437** |
| **397** | **SAMD9L** | **LAP3** | **0.404** | **TLE5** | **LRP6** | **0.412** | **GBP5** | **RSAD2** | **0.629** | **IFI44L** | **TNFSF13B** | **0.473** |
| **398** | **SAMD9L** | **PARP9** | **0.872** | **TLR5** | **AIM2** | **0.495** | **GBP5** | **RTP4** | **0.442** | **IFI44L** | **TRIM22** | **0.871** |
| **399** | **SAMD9L** | **PLSCR1** | **0.457** | **TLR5** | **BANK1** | **0.444** | **GBP5** | **SAMD9L** | **0.718** | **IFI44L** | **UBE2L6** | **0.632** |
| **400** | **SAMD9L** | **RSAD2** | **0.781** | **TLR5** | **CAMP** | **0.528** | **GBP5** | **SERPING1** | **0.458** | **IFIH1** | **AIM2** | **0.698** |
| **401** | **SAMD9L** | **RTP4** | **0.711** | **TLR5** | **CASP1** | **0.658** | **GBP5** | **STAT1** | **0.934** | **IFIH1** | **CASP1** | **0.675** |
| **402** | **SAMD9L** | **STAT1** | **0.887** | **TLR5** | **CD274** | **0.534** | **GBP5** | **TNFSF13B** | **0.518** | **IFIH1** | **CD274** | **0.487** |
| **403** | **SAMD9L** | **TNFSF10** | **0.424** | **TLR5** | **CD36** | **0.429** | **GBP5** | **TRIM22** | **0.451** | **IFIH1** | **DDX1** | **0.506** |
| **404** | **SAMD9L** | **TNFSF13B** | **0.630** | **TLR5** | **HMGB1** | **0.896** | **GBP5** | **UBE2L6** | **0.497** | **IFIH1** | **ECSIT** | **0.703** |
| **405** | **SAMD9L** | **TRIM22** | **0.644** | **TLR5** | **IFIH1** | **0.555** | **GBP5** | **VAMP5** | **0.493** | **IFIH1** | **EPSTI1** | **0.851** |
| **406** | **SAMD9L** | **UBE2L6** | **0.595** | **TLR5** | **IL15** | **0.424** | **GBP5** | **WARS1** | **0.715** | **IFIH1** | **GBP1** | **0.870** |
| **407** | **SAPCD1** | **ANXA3** | **0.400** | **TLR5** | **IL1B** | **0.830** | **GJA4** | **CDH5** | **0.673** | **IFIH1** | **GBP2** | **0.725** |
| **408** | **SEPTIN4** | **ANKRD22** | **0.423** | **TLR5** | **IL2** | **0.666** | **GK** | **AQP10** | **0.603** | **IFIH1** | **GBP4** | **0.656** |
| **409** | **SEPTIN4** | **SLC26A8** | **0.454** | **TLR5** | **IRAK3** | **0.731** | **GNL2** | **DDX1** | **0.424** | **IFIH1** | **GBP5** | **0.621** |
| **410** | **SERPINA10** | **F5** | **0.400** | **TLR5** | **NAIP** | **0.562** | **GNL2** | **LYAR** | **0.746** | **IFIH1** | **HNRNPM** | **0.473** |
| **411** | **SERPING1** | **ANGPT1** | **0.455** | **TLR5** | **NFKB1** | **0.977** | **GNL2** | **NAT10** | **0.824** | **IFIH1** | **IFI27** | **0.785** |
| **412** | **SERPING1** | **BATF2** | **0.455** | **TLR5** | **NLRC4** | **0.758** | **GNL2** | **NOP2** | **0.945** | **IFIH1** | **IFI44L** | **0.904** |
| **413** | **SERPING1** | **C1QB** | **0.980** | **TLR5** | **NOD2** | **0.867** | **GNL2** | **NPM1** | **0.904** | **IFIH1** | **IFIT1** | **0.982** |
| **414** | **SERPING1** | **GBP1** | **0.592** | **TLR5** | **S100A8** | **0.414** | **GNL2** | **NXF1** | **0.469** | **IFIH1** | **IFIT2** | **0.976** |
| **415** | **SERPING1** | **GBP2** | **0.531** | **TLR5** | **STAT1** | **0.482** | **GNL2** | **RRP9** | **0.830** | **IFIH1** | **IFIT3** | **0.972** |
| **416** | **SERPING1** | **GBP4** | **0.465** | **TLR5** | **STAT3** | **0.461** | **GNL2** | **RSL24D1** | **0.999** | **IFIH1** | **IFITM3** | **0.757** |
| **417** | **SERPING1** | **GBP5** | **0.458** | **TLR5** | **TNFSF13B** | **0.525** | **GNL2** | **SUMO2** | **0.562** | **IFIH1** | **IL15** | **0.503** |
| **418** | **SERPING1** | **HP** | **0.645** | **TMEM140** | **RTP4** | **0.438** | **GOT2** | **CD36** | **0.860** | **IFIH1** | **IL1B** | **0.689** |
| **419** | **SERPING1** | **IFI27** | **0.401** | **TMEM160** | **CD96** | **0.421** | **GOT2** | **HP** | **0.584** | **IFIH1** | **IL2** | **0.634** |
| **420** | **SERPING1** | **IFI44L** | **0.497** | **TMEM51** | **LHFPL2** | **0.484** | **GOT2** | **IL1B** | **0.514** | **IFIH1** | **JAK2** | **0.425** |
| **421** | **IFIH1** | **LAP3** | **0.560** | **IFITM3** | **GBP4** | **0.402** | **IL1B** | **NOD2** | **0.866** | **TNFAIP6** | **ANGPT1** | **0.401** |
| **422** | **IFIH1** | **NFKB1** | **0.803** | **IFITM3** | **GBP5** | **0.519** | **IL1B** | **OSM** | **0.749** | **TNFAIP6** | **BMP7** | **0.450** |
| **423** | **IFIH1** | **NLRC4** | **0.527** | **IFITM3** | **IFI27** | **0.829** | **IL1B** | **RSAD2** | **0.488** | **TNFAIP6** | **CD274** | **0.433** |
| **424** | **IFIH1** | **NMI** | **0.637** | **IFITM3** | **IFI44L** | **0.846** | **IL1B** | **S100A12** | **0.762** | **TNFAIP6** | **CLEC4D** | **0.433** |
| **425** | **IFIH1** | **NOD2** | **0.855** | **IFITM3** | **IFIH1** | **0.757** | **IL1B** | **S100A8** | **0.656** | **TNFAIP6** | **GPR84** | **0.469** |
| **426** | **IFIH1** | **PARP9** | **0.888** | **IFITM3** | **IFIT1** | **0.866** | **IL1B** | **SERPING1** | **0.442** | **TNFAIP6** | **IL1B** | **0.752** |
| **427** | **IFIH1** | **PLSCR1** | **0.705** | **IFITM3** | **IFIT2** | **0.828** | **IL1B** | **STAT1** | **0.846** | **TNFAIP6** | **MMP9** | **0.448** |
| **428** | **IFIH1** | **PPP1CA** | **0.759** | **IFITM3** | **IFIT3** | **0.923** | **IL1B** | **STAT3** | **0.938** | **TNFRSF10D** | **TNFSF10** | **0.999** |
| **429** | **IFIH1** | **RSAD2** | **0.954** | **IFITM3** | **IL1B** | **0.462** | **IL1B** | **TLR5** | **0.830** | **TNFRSF25** | **IL1B** | **0.420** |
| **430** | **IFIH1** | **RTP4** | **0.803** | **IFITM3** | **P2RY14** | **0.414** | **IL1B** | **TNFAIP6** | **0.752** | **TNFRSF25** | **IL2** | **0.480** |
| **431** | **IFIH1** | **SAMD9L** | **0.810** | **IFITM3** | **PARP9** | **0.641** | **IL1B** | **TNFRSF25** | **0.420** | **TNFRSF25** | **TNFSF10** | **0.960** |
| **432** | **IFIH1** | **STAT1** | **0.963** | **IFITM3** | **PLSCR1** | **0.579** | **IL1B** | **TNFSF10** | **0.589** | **TNFRSF25** | **TNFSF13B** | **0.525** |
| **433** | **IFIH1** | **STAT3** | **0.441** | **IFITM3** | **RSAD2** | **0.744** | **IL1B** | **TNFSF13B** | **0.656** | **TNFSF10** | **CASP1** | **0.651** |
| **434** | **IFIH1** | **TLR5** | **0.555** | **IFITM3** | **RTP4** | **0.646** | **IL1B** | **TSPO** | **0.633** | **TNFSF10** | **CD2** | **0.545** |
| **435** | **IFIH1** | **TNFSF10** | **0.538** | **IFITM3** | **SAMD9L** | **0.440** | **IL2** | **ANGPT1** | **0.536** | **TNFSF10** | **CD274** | **0.515** |
| **436** | **IFIH1** | **TNFSF13B** | **0.485** | **IFITM3** | **SERPING1** | **0.445** | **IL2** | **CASP1** | **0.529** | **TNFSF10** | **GBP1** | **0.511** |
| **437** | **IFIH1** | **TRIM22** | **0.638** | **IFITM3** | **STAT1** | **0.826** | **IL2** | **CD2** | **0.729** | **TNFSF10** | **GBP2** | **0.474** |
| **438** | **IFIH1** | **UBE2L6** | **0.863** | **IFITM3** | **STAT3** | **0.494** | **IL2** | **CD274** | **0.854** | **TNFSF10** | **IFI27** | **0.432** |
| **439** | **IFIT1** | **AIM2** | **0.405** | **IFITM3** | **TRIM22** | **0.686** | **IL2** | **CXCR5** | **0.681** | **TNFSF10** | **IFI44L** | **0.437** |
| **440** | **IFIT1** | **EPSTI1** | **0.740** | **IFITM3** | **UBE2L6** | **0.45** | **IL2** | **GZMK** | **0.407** | **TNFSF10** | **IFIH1** | **0.538** |
| **441** | **IFIT1** | **GBP1** | **0.826** | **IL15** | **CASP1** | **0.563** | **IL2** | **H2BC21** | **0.570** | **TNFSF10** | **IFIT1** | **0.496** |
| **442** | **IFIT1** | **GBP2** | **0.597** | **IL15** | **CD2** | **0.518** | **IL2** | **HIF1A** | **0.583** | **TNFSF10** | **IFIT2** | **0.552** |
| **443** | **IFIT1** | **GBP4** | **0.552** | **IL15** | **CD274** | **0.717** | **IL2** | **HLA-DOA** | **0.429** | **TNFSF10** | **IFIT3** | **0.518** |
| **444** | **IFIT1** | **GBP5** | **0.566** | **IL15** | **CD36** | **0.434** | **IL2** | **HMGB1** | **0.511** | **TNFSF10** | **IL15** | **0.580** |
| **445** | **IFIT1** | **IFI27** | **0.934** | **IL15** | **CD96** | **0.606** | **IL2** | **HP** | **0.412** | **TNFSF10** | **IL1B** | **0.589** |
| **446** | **IFIT1** | **IFI44L** | **0.967** | **IL15** | **CXCR5** | **0.497** | **IL2** | **IFIH1** | **0.634** | **TNFSF10** | **IL2** | **0.528** |
| **447** | **IFIT1** | **IFIH1** | **0.982** | **IL15** | **GBP1** | **0.464** | **IL2** | **IL15** | **0.958** | **TNFSF10** | **MMP9** | **0.436** |
| **448** | **IFIT1** | **IFIT2** | **0.982** | **IL15** | **IFIH1** | **0.503** | **IL2** | **IL1B** | **0.999** | **TNFSF10** | **NFKB1** | **0.471** |
| **449** | **IFIT1** | **IFIT3** | **0.999** | **IL15** | **IL1B** | **0.872** | **IL2** | **IL23A** | **0.519** | **TNFSF10** | **PARP9** | **0.421** |
| **450** | **IFIT1** | **IFITM3** | **0.866** | **IL15** | **IL2** | **0.958** | **IL2** | **IL7R** | **0.978** | **TNFSF10** | **RSAD2** | **0.541** |
| **451** | **IFIT1** | **IL1B** | **0.519** | **IL15** | **IL23A** | **0.442** | **IL2** | **JAK2** | **0.896** | **TNFSF10** | **RTP4** | **0.501** |
| **452** | **IFIT1** | **JAK2** | **0.431** | **IL15** | **IL7R** | **0.985** | **IL2** | **KLRG1** | **0.711** | **TNFSF10** | **SAMD9L** | **0.424** |
| **453** | **IFIT1** | **LAP3** | **0.448** | **IL15** | **JAK2** | **0.618** | **IL2** | **LAT** | **0.446** | **TNFSF10** | **STAT1** | **0.594** |
| **454** | **IFIT1** | **NFKB1** | **0.663** | **IL15** | **KLRG1** | **0.642** | **IL2** | **MAPK14** | **0.436** | **TNFSF10** | **STAT3** | **0.473** |
| **455** | **IFIT1** | **PARP9** | **0.751** | **IL15** | **MMP9** | **0.479** | **IL2** | **MMP9** | **0.601** | **TNFSF10** | **TNFRSF10D** | **0.999** |
| **456** | **IFIT1** | **PLSCR1** | **0.696** | **IL15** | **NFKB1** | **0.519** | **IL2** | **NFKB1** | **0.804** | **TNFSF10** | **TNFRSF25** | **0.960** |
| **457** | **IFIT1** | **RSAD2** | **0.970** | **IL15** | **OSM** | **0.495** | **IL2** | **NOD2** | **0.463** | **TNFSF10** | **TNFSF13B** | **0.601** |
| **458** | **IFIT1** | **RTP4** | **0.791** | **IL15** | **S1PR1** | **0.469** | **IL2** | **PRKCQ** | **0.494** | **TNFSF10** | **TRIM22** | **0.495** |
| **459** | **IFIT1** | **SAMD9L** | **0.650** | **IL15** | **STAT1** | **0.753** | **IL2** | **S1PR1** | **0.446** | **TNFSF13B** | **CALHM6** | **0.418** |
| **460** | **IFIT1** | **SERPING1** | **0.428** | **IL15** | **STAT3** | **0.807** | **IL2** | **STAT1** | **0.797** | **TNFSF13B** | **CARD16** | **0.431** |
| **461** | **IFIT1** | **STAT1** | **0.945** | **IL15** | **TLR5** | **0.424** | **IL2** | **STAT3** | **0.828** | **TNFSF13B** | **CASP1** | **0.506** |
| **462** | **IFIT1** | **TNFSF10** | **0.496** | **IL15** | **TNFSF10** | **0.580** | **IL2** | **TLR5** | **0.666** | **TNFSF13B** | **CD2** | **0.431** |
| **463** | **IFIT1** | **TRIM22** | **0.644** | **IL15** | **TNFSF13B** | **0.746** | **IL2** | **TNFRSF25** | **0.480** | **TNFSF13B** | **CD274** | **0.459** |
| **464** | **IFIT1** | **UBE2L6** | **0.810** | **IL18RAP** | **CASP1** | **0.534** | **IL2** | **TNFSF10** | **0.528** | **TNFSF13B** | **CXCR5** | **0.629** |
| **465** | **IFIT2** | **BATF2** | **0.430** | **IL18RAP** | **FCMR** | **0.400** | **IL2** | **TNFSF13B** | **0.595** | **TNFSF13B** | **EPSTI1** | **0.576** |
| **466** | **IFIT2** | **EPSTI1** | **0.808** | **IL18RAP** | **GZMK** | **0.442** | **IL23A** | **IL15** | **0.442** | **TNFSF13B** | **GBP1** | **0.414** |
| **467** | **IFIT2** | **GBP1** | **0.849** | **IL18RAP** | **IL1B** | **0.669** | **IL23A** | **IL1B** | **0.658** | **TNFSF13B** | **GBP5** | **0.518** |
| **468** | **IFIT2** | **GBP2** | **0.779** | **IL18RAP** | **IL7R** | **0.583** | **IL23A** | **IL2** | **0.519** | **TNFSF13B** | **GPR183** | **0.421** |
| **469** | **IFIT2** | **GBP4** | **0.712** | **IL18RAP** | **NLRC4** | **0.449** | **IL23A** | **IL7R** | **0.748** | **TNFSF13B** | **IFI44L** | **0.473** |
| **470** | **IFIT2** | **GBP5** | **0.650** | **IL18RAP** | **NOD2** | **0.476** | **IL23A** | **JAK2** | **0.934** | **TNFSF13B** | **IFIH1** | **0.485** |
| **471** | **IFIT2** | **IFI27** | **0.774** | **IL18RAP** | **S100A12** | **0.492** | **IL23A** | **MMP9** | **0.546** | **TNFSF13B** | **IFIT2** | **0.435** |
| **472** | **IFIT2** | **IFI44L** | **0.921** | **IL18RAP** | **SIGLEC5** | **0.438** | **IL23A** | **NOD2** | **0.425** | **TNFSF13B** | **IFIT3** | **0.473** |
| **473** | **IFIT2** | **IFIH1** | **0.976** | **IL1B** | **ADM** | **0.505** | **IL23A** | **OSM** | **0.514** | **TNFSF13B** | **IL15** | **0.746** |
| **474** | **IFIT2** | **IFIT1** | **0.982** | **IL1B** | **AIM2** | **0.874** | **IL23A** | **STAT1** | **0.430** | **TNFSF13B** | **IL1B** | **0.656** |
| **475** | **IFIT2** | **IFIT3** | **0.999** | **IL1B** | **ANGPT1** | **0.701** | **IL23A** | **STAT3** | **0.750** | **TNFSF13B** | **IL2** | **0.595** |
| **476** | **IFIT2** | **IFITM3** | **0.828** | **IL1B** | **BMP7** | **0.481** | **IL7R** | **AGFG1** | **0.499** | **TNFSF13B** | **IL7R** | **0.678** |
| **477** | **IFIT2** | **IL1B** | **0.463** | **IL1B** | **C1QB** | **0.530** | **IL7R** | **CD2** | **0.775** | **TNFSF13B** | **JAK2** | **0.469** |
| **478** | **IFIT2** | **JAK2** | **0.619** | **IL1B** | **CAMP** | **0.677** | **IL7R** | **CD274** | **0.625** | **TNFSF13B** | **MMP9** | **0.557** |
| **479** | **IFIT2** | **NFKB1** | **0.403** | **IL1B** | **CARD16** | **0.658** | **IL7R** | **CD96** | **0.412** | **TNFSF13B** | **NFKB1** | **0.735** |
| **480** | **IFIT2** | **PARP9** | **0.774** | **IL1B** | **CARD17** | **0.449** | **IL7R** | **CXCR5** | **0.830** | **TNFSF13B** | **NOD2** | **0.455** |
| **481** | **IFIT2** | **PLSCR1** | **0.632** | **IL1B** | **CASP1** | **0.999** | **IL7R** | **FCMR** | **0.478** | **TNFSF13B** | **PARP9** | **0.502** |
| **482** | **IFIT2** | **RSAD2** | **0.962** | **IL1B** | **CD2** | **0.450** | **IL7R** | **GPR183** | **0.516** | **TNFSF13B** | **PSMA4** | **0.473** |
| **483** | **IFIT2** | **RTP4** | **0.693** | **IL1B** | **CD274** | **0.735** | **IL7R** | **GZMK** | **0.767** | **TNFSF13B** | **PSME3** | **0.440** |
| **484** | **IFIT2** | **SAMD9L** | **0.853** | **IL1B** | **CD36** | **0.727** | **IL7R** | **IL15** | **0.985** | **TNFSF13B** | **RSAD2** | **0.463** |
| **485** | **IFIT2** | **STAT1** | **0.963** | **IL1B** | **CDC42** | **0.631** | **IL7R** | **IL18RAP** | **0.583** | **TNFSF13B** | **SAMD9L** | **0.630** |
| **486** | **IFIT2** | **TNFSF10** | **0.552** | **IL1B** | **CDH5** | **0.570** | **IL7R** | **IL1B** | **0.758** | **TNFSF13B** | **STAT1** | **0.719** |
| **487** | **IFIT2** | **TNFSF13B** | **0.435** | **IL1B** | **CLEC4D** | **0.482** | **IL7R** | **IL2** | **0.978** | **TNFSF13B** | **STAT3** | **0.487** |
| **488** | **IFIT2** | **TRIM22** | **0.651** | **IL1B** | **CXCR5** | **0.552** | **IL7R** | **IL23A** | **0.748** | **TNFSF13B** | **TLR5** | **0.525** |
| **489** | **IFIT2** | **UBE2L6** | **0.653** | **IL1B** | **CYBB** | **0.746** | **IL7R** | **ITGA2B** | **0.459** | **TNFSF13B** | **TNFRSF25** | **0.525** |
| **490** | **IFIT3** | **BATF2** | **0.574** | **IL1B** | **GBP1** | **0.690** | **IL7R** | **JAK2** | **0.900** | **TNFSF13B** | **TNFSF10** | **0.601** |
| **491** | **IFIT3** | **CD274** | **0.408** | **IL1B** | **GBP2** | **0.671** | **IL7R** | **KLRG1** | **0.861** | **TNFSF13B** | **TRIM22** | **0.408** |
| **492** | **IFIT3** | **EPSTI1** | **0.897** | **IL1B** | **GBP4** | **0.502** | **IL7R** | **NFKB1** | **0.437** | **TRAPPC1** | **SPCS2** | **0.455** |
| **493** | **IFIT3** | **GBP1** | **0.896** | **IL1B** | **GBP5** | **0.641** | **IL7R** | **OSM** | **0.805** | **TRIM22** | **CASP1** | **0.424** |
| **494** | **IFIT3** | **GBP2** | **0.637** | **IL1B** | **GOT2** | **0.514** | **IL7R** | **S1PR1** | **0.554** | **TRIM22** | **EPSTI1** | **0.550** |
| **495** | **IFIT3** | **GBP4** | **0.722** | **IL1B** | **GPR84** | **0.507** | **IL7R** | **SIGLEC5** | **0.484** | **TRIM22** | **GBP1** | **0.676** |
| **496** | **IFIT3** | **GBP5** | **0.650** | **IL1B** | **HCAR3** | **0.409** | **IL7R** | **STAT1** | **0.666** | **TRIM22** | **GBP2** | **0.451** |
| **497** | **IFIT3** | **IFI27** | **0.904** | **IL1B** | **HIF1A** | **0.771** | **IL7R** | **STAT3** | **0.746** | **TRIM22** | **GBP4** | **0.552** |
| **498** | **IFIT3** | **IFI44L** | **0.982** | **IL1B** | **HMGB1** | **0.970** | **IL7R** | **TNFSF13B** | **0.678** | **TRIM22** | **GBP5** | **0.451** |
| **499** | **IFIT3** | **IFIH1** | **0.972** | **IL1B** | **HP** | **0.650** | **IL7R** | **VAMP8** | **0.517** | **TRIM22** | **IFI27** | **0.506** |
| **500** | **IFIT3** | **IFIT1** | **0.999** | **IL1B** | **IFIH1** | **0.689** | **INTS4** | **POLR2G** | **0.808** | **TRIM22** | **IFI44L** | **0.871** |
| **501** | **IFIT3** | **IFIT2** | **0.999** | **IL1B** | **IFIT1** | **0.519** | **INTS4** | **PPP2R1A** | **0.933** | **TRIM22** | **IFIH1** | **0.638** |
| **502** | **IFIT3** | **IFITM3** | **0.923** | **IL1B** | **IFIT2** | **0.463** | **IRAK3** | **CASP1** | **0.463** | **TRIM22** | **IFIT1** | **0.644** |
| **503** | **IFIT3** | **IL1B** | **0.469** | **IL1B** | **IFIT3** | **0.469** | **IRAK3** | **IL1B** | **0.740** | **TRIM22** | **IFIT2** | **0.651** |
| **504** | **IFIT3** | **JAK2** | **0.401** | **IL1B** | **IFITM3** | **0.462** | **IRAK3** | **NFKB1** | **0.639** | **TRIM22** | **IFIT3** | **0.828** |
| **505** | **IFIT3** | **LAP3** | **0.635** | **IL1B** | **IL15** | **0.872** | **IRAK3** | **NOD2** | **0.652** | **TRIM22** | **IFITM3** | **0.686** |
| **506** | **IFIT3** | **NMI** | **0.423** | **IL1B** | **IL18RAP** | **0.669** | **IRAK3** | **STAT1** | **0.419** | **TRIM22** | **JAK2** | **0.413** |
| **507** | **IFIT3** | **PARP9** | **0.925** | **IL1B** | **IL2** | **0.999** | **IRAK3** | **STAT3** | **0.499** | **TRIM22** | **NOD2** | **0.528** |
| **508** | **IFIT3** | **PLSCR1** | **0.791** | **IL1B** | **IL23A** | **0.658** | **IRAK3** | **TLR5** | **0.731** | **TRIM22** | **PARP9** | **0.747** |
| **509** | **IFIT3** | **RSAD2** | **0.999** | **IL1B** | **IL7R** | **0.758** | **ITGA2B** | **AQP10** | **0.442** | **TRIM22** | **PLSCR1** | **0.522** |
| **510** | **IFIT3** | **RTP4** | **0.847** | **IL1B** | **IRAK3** | **0.740** | **ITGA2B** | **CD2** | **0.442** | **TRIM22** | **RSAD2** | **0.690** |
| **511** | **IFIT3** | **SAMD9L** | **0.913** | **IL1B** | **ITGA2B** | **0.477** | **ITGA2B** | **CD36** | **0.952** | **TRIM22** | **RTP4** | **0.595** |
| **512** | **IFIT3** | **SERPING1** | **0.489** | **IL1B** | **JAK2** | **0.806** | **ITGA2B** | **CDH5** | **0.627** | **TRIM22** | **SAMD9L** | **0.644** |
| **513** | **IFIT3** | **STAT1** | **0.985** | **IL1B** | **KLRG1** | **0.432** | **ITGA2B** | **H2BC21** | **0.591** | **TRIM22** | **STAT1** | **0.825** |
| **514** | **IFIT3** | **TNFSF10** | **0.518** | **IL1B** | **LMNB1** | **0.534** | **ITGA2B** | **IL1B** | **0.477** | **TRIM22** | **TNFSF10** | **0.495** |
| **515** | **IFIT3** | **TNFSF13B** | **0.473** | **IL1B** | **MAPK14** | **0.782** | **ITGA2B** | **IL7R** | **0.459** | **TRIM22** | **TNFSF13B** | **0.408** |
| **516** | **IFIT3** | **TRIM22** | **0.828** | **IL1B** | **MARCO** | **0.412** | **ITGA2B** | **JAK2** | **0.423** | **TRIM22** | **UBE2L6** | **0.667** |
| **517** | **IFIT3** | **UBE2L6** | **0.811** | **IL1B** | **MMP9** | **0.949** | **ITGA2B** | **LHFPL2** | **0.406** | **TSPO** | **ADORA3** | **0.403** |
| **518** | **IFITM3** | **EPSTI1** | **0.610** | **IL1B** | **NAIP** | **0.558** | **ITGA2B** | **MYL9** | **0.416** | **TSPO** | **CASP1** | **0.404** |
| **519** | **IFITM3** | **GBP1** | **0.624** | **IL1B** | **NFKB1** | **0.996** | **ITGA2B** | **RAP1B** | **0.715** | **TSPO** | **DHRS9** | **0.416** |
| **520** | **IFITM3** | **GBP2** | **0.509** | **IL1B** | **NLRC4** | **0.921** | **ITGA2B** | **RELN** | **0.671** | **TSPO** | **HIF1A** | **0.482** |
| **521** | **TSPO** | **IL1B** | **0.633** | **USP11** | **FBXO6** | **0.400** | **JAK2** | **CD274** | **0.690** | **JAK2** | **TRIM22** | **0.413** |
| **522** | **TUT4** | **LSM1** | **0.522** | **USP11** | **PPP1CA** | **0.680** | **JAK2** | **CD36** | **0.417** | **KIF17** | **APBA1** | **0.977** |
| **523** | **TUT4** | **PAIP1** | **0.433** | **USP11** | **RBBP7** | **0.400** | **JAK2** | **CDC42** | **0.461** | **KLRG1** | **CD2** | **0.489** |
| **524** | **UBE2L6** | **EPSTI1** | **0.531** | **USP11** | **STAT3** | **0.436** | **JAK2** | **CXCR5** | **0.700** | **KLRG1** | **CD274** | **0.507** |
| **525** | **UBE2L6** | **FBXO6** | **0.424** | **USP11** | **SUMO2** | **0.427** | **JAK2** | **CYBB** | **0.604** | **KLRG1** | **CD96** | **0.468** |
| **526** | **UBE2L6** | **GBP1** | **0.706** | **USP39** | **DHX16** | **0.620** | **JAK2** | **EPHA4** | **0.441** | **KLRG1** | **CXCR5** | **0.586** |
| **527** | **UBE2L6** | **GBP2** | **0.456** | **USP39** | **LSM3** | **0.979** | **JAK2** | **GBP1** | **0.635** | **KLRG1** | **GZMK** | **0.727** |
| **528** | **UBE2L6** | **GBP4** | **0.634** | **USP39** | **LSM7** | **0.987** | **JAK2** | **HIF1A** | **0.784** | **KLRG1** | **IL15** | **0.642** |
| **529** | **UBE2L6** | **GBP5** | **0.497** | **USP39** | **PSMA4** | **0.404** | **JAK2** | **HMGB1** | **0.404** | **KLRG1** | **IL1B** | **0.432** |
| **530** | **UBE2L6** | **IFI44L** | **0.632** | **USP39** | **VAMP5** | **0.469** | **JAK2** | **IFIH1** | **0.425** | **KLRG1** | **IL2** | **0.711** |
| **531** | **UBE2L6** | **IFIH1** | **0.863** | **VAMP5** | **GBP5** | **0.493** | **JAK2** | **IFIT1** | **0.431** | **KLRG1** | **IL7R** | **0.861** |
| **532** | **UBE2L6** | **IFIT1** | **0.810** | **VAMP5** | **USP39** | **0.469** | **JAK2** | **IFIT2** | **0.619** | **KLRG1** | **S1PR1** | **0.487** |
| **533** | **UBE2L6** | **IFIT2** | **0.653** | **VAMP5** | **VAMP8** | **0.771** | **JAK2** | **IFIT3** | **0.401** | **KREMEN1** | **LRP6** | **0.997** |
| **534** | **UBE2L6** | **IFIT3** | **0.811** | **VAMP8** | **AGFG1** | **0.587** | **JAK2** | **IL15** | **0.618** | **LACRT** | **AZGP1** | **0.475** |
| **535** | **UBE2L6** | **IFITM3** | **0.451** | **VAMP8** | **CYBB** | **0.477** | **JAK2** | **IL1B** | **0.806** | **LACRT** | **HPSE** | **0.505** |
| **536** | **UBE2L6** | **LAP3** | **0.531** | **VAMP8** | **IL7R** | **0.517** | **JAK2** | **IL2** | **0.896** | **LAP3** | **EPSTI1** | **0.478** |
| **537** | **UBE2L6** | **NMI** | **0.720** | **VAMP8** | **SORT1** | **0.587** | **JAK2** | **IL23A** | **0.934** | **LAP3** | **GBP1** | **0.625** |
| **538** | **UBE2L6** | **PARP9** | **0.696** | **VAMP8** | **SYT1** | **0.678** | **JAK2** | **IL7R** | **0.900** | **LAP3** | **GBP4** | **0.420** |
| **539** | **UBE2L6** | **PLSCR1** | **0.524** | **VAMP8** | **VAMP5** | **0.771** | **JAK2** | **ITGA2B** | **0.423** | **LAP3** | **GBP5** | **0.422** |
| **540** | **UBE2L6** | **RNF144A** | **0.442** | **WARS1** | **CDH5** | **0.850** | **JAK2** | **MMP9** | **0.621** | **LAP3** | **GOT2** | **0.888** |
| **541** | **UBE2L6** | **RSAD2** | **0.669** | **WARS1** | **GBP1** | **0.594** | **JAK2** | **NFKB1** | **0.657** | **LAP3** | **IFI44L** | **0.629** |
| **542** | **UBE2L6** | **RTP4** | **0.637** | **WARS1** | **GBP4** | **0.468** | **JAK2** | **NOD2** | **0.449** | **LAP3** | **IFIH1** | **0.560** |
| **543** | **UBE2L6** | **SAMD9L** | **0.595** | **WARS1** | **GBP5** | **0.715** | **JAK2** | **NPM1** | **0.644** | **LAP3** | **IFIT1** | **0.448** |
| **544** | **UBE2L6** | **SERPING1** | **0.485** | **WARS1** | **LAP3** | **0.510** | **JAK2** | **OSM** | **0.919** | **LAP3** | **IFIT3** | **0.635** |
| **545** | **UBE2L6** | **STAT1** | **0.915** | **WARS1** | **MTFMT** | **0.683** | **JAK2** | **PARP9** | **0.657** | **LAP3** | **PARP9** | **0.537** |
| **546** | **UBE2L6** | **SUMO2** | **0.475** | **WARS1** | **STAT1** | **0.615** | **JAK2** | **SAMD9L** | **0.416** | **LAP3** | **PLSCR1** | **0.426** |
| **547** | **UBE2L6** | **TRIM22** | **0.667** | **XK** | **CYBB** | **0.569** | **JAK2** | **SMARCB1** | **0.422** | **LAP3** | **RSAD2** | **0.532** |
| **548** | **UGP2** | **GYG1** | **0.956** | **XK** | **STS** | **0.662** | **JAK2** | **STAT1** | **0.999** | **LAP3** | **SAMD9L** | **0.404** |
| **549** | **UGP2** | **PASK** | **0.792** | **ITPKB** | **PSME3** | **0.564** | **JAK2** | **STAT3** | **0.999** | **LAP3** | **STAT1** | **0.779** |
| **550** | **USP11** | **BMI1** | **0.470** | **JAK2** | **CASP1** | **0.530** | **JAK2** | **TNFSF13B** | **0.469** | **LAP3** | **UBE2L6** | **0.531** |
| **551** | **LAP3** | **WARS1** | **0.510** | **LGR4** | **LRP6** | **0.631** | **LHFPL2** | **TMEM51** | **0.484** | **LMNB1** | **H2BC21** | **0.520** |
| **552** | **LAT** | **CD2** | **0.470** | **LHFPL2** | **CD36** | **0.418** | **LIMK2** | **CDC42** | **0.533** | **LMNB1** | **HIF1A** | **0.431** |
| **553** | **LAT** | **IL2** | **0.446** | **LHFPL2** | **DUSP3** | **0.450** | **LMAN1** | **F5** | **0.789** | **LMNB1** | **IL1B** | **0.534** |
| **554** | **LAT** | **PRKCQ** | **0.480** | **LHFPL2** | **ITGA2B** | **0.406** | **LMNB1** | **CASP1** | **0.421** | **LMNB1** | **LRRK2** | **0.530** |
| **555** | **LAT** | **SKAP1** | **0.440** | **LGR4** | **LRP6** | **0.631** | **LMNB1** | **ESYT1** | **0.430** |  |  |  |