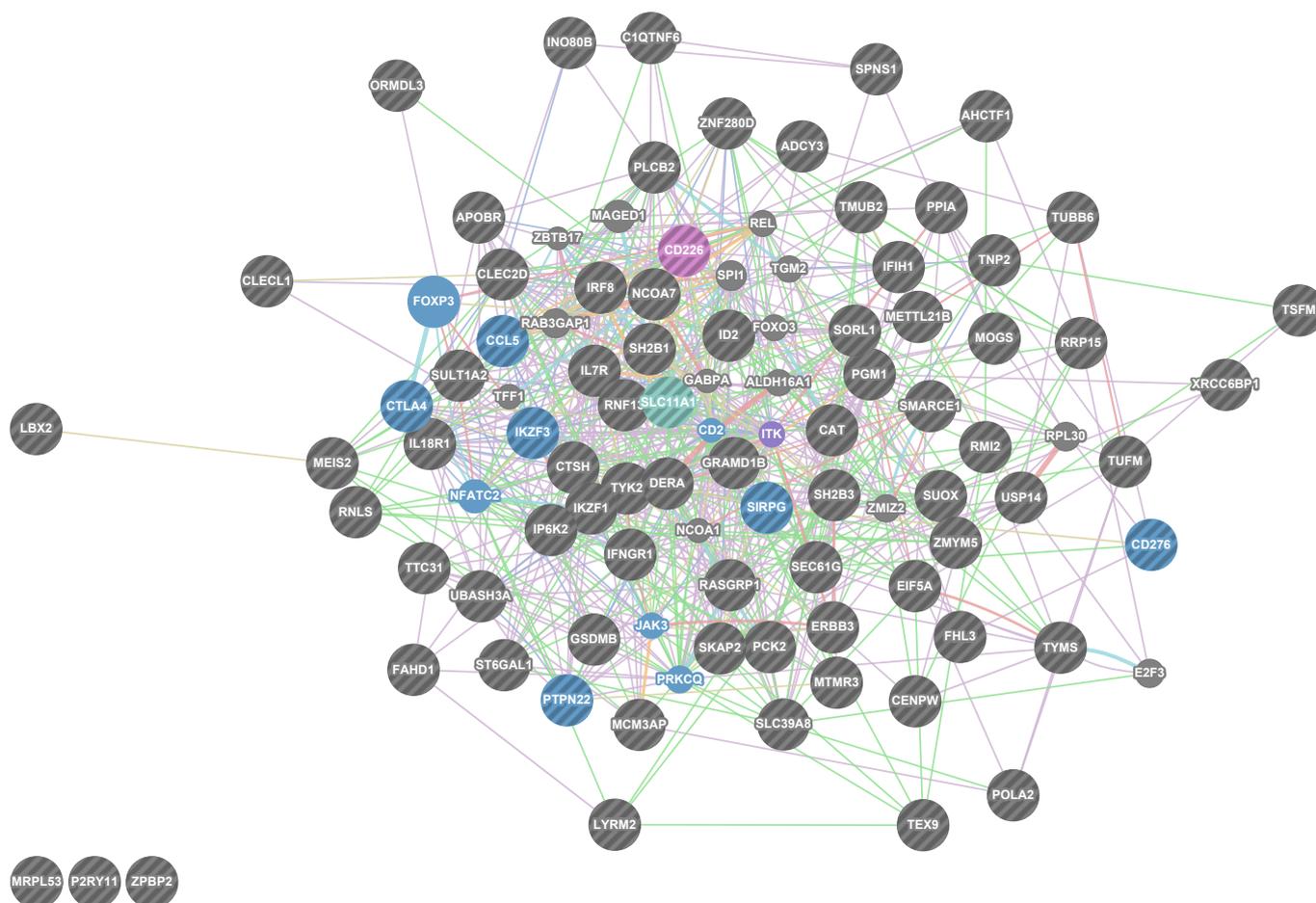


Report of GeneMANIA search

Network image



Functions legend

- regulation of lymphocyte activation
- lymphocyte proliferation
- positive regulation of cell activation
- mononuclear cell proliferation
- T cell activation
- regulation of cell activation
- regulation of leukocyte activation

Networks legend

- Co-expression
- Co-localization
- Genetic interactions
- Pathway
- Physical interactions
- Predicted
- Shared protein domains

MRPL53 P2RY11 ZBP2

Search parameters

Organism: H. sapiens (human)

Genes: 8935; POLA2; SLC11A1; 57476; DERA; IFNGR1; ERBB3; 51018; IP6K2; CLEC2D; SMARCE1; 55876; ST6GAL1; PGM1; RNF13; 57226; 55423; MTMR3; PCK2; USP14; CTSH; 80381; TYK2; 10019; NCOA7; IFIH1; 83444; 7841; 64427; IL18R1; ID2; CAT; TSFM; 25895; SEC61G; EIF5A; 9205; C1QTNF6; MEIS2; PTPN22; SORL1; PLCB2; 54816; ADCY3; SLC39A8; SUOX; IRF8; CD226; TEX9; 25909; UBASH3A; MCM3AP; 22806; CCL5; CTLA4; 91419; 79089; IL7R; 83985; ORMDL3; RASGRP1; 116028; TUBB6; TYMS; 25970; TNP2; TUFM; LBX2; FAHD1; FHL3; 160365; C10orf59; 55911; 10320; ZBP2; PPIA; SULT1A2; C6orf173; MRPL53; P2RY11

Networks:

Attributes:

Co-expression:

Alizadeh-Staudt-2000 Arijis-Rutgeerts-2009 Bahr-Bowler-2013 Bild-Nevins-2006 B Boldrick-Relman-2002
Burlington-Shaughnessy-2008 Chen-Brown-2002 Cheok-Evans-2003 Gysin-McMahon-2012
Innocenti-Brown-2011 Kang-Willman-2010 Mallon-McKay-2013 Perou-Botstein-1999
Ramaswamy-Golub-2001 Rieger-Chu-2004 Roth-Zlotnik-2006 Salaverria-Siebert-2011
Smirnov-Cheung-2009 Wang-Maris-2006 Wu-Garvey-2007

Co-localization:

Johnson-Shoemaker-2003 Satoh-Yamamoto-2013 Schadt-Shoemaker-2004

Genetic interactions:

BIOGRID-SMALL-SCALE-STUDIES IREF-SMALL-SCALE-STUDIES Lin-Boeke-2012 A Lin-Boeke-2012 B
Lin-Smith-2010 Toyoshima-Grandori-2012 Willingham-Muchowski-2003

Pathway:

PATHWAYCOMMONS-CELL_MAP PATHWAYCOMMONS-HUMANCYC PATHWAYCOMMONS-IMID
PATHWAYCOMMONS-NCI_NATURE PATHWAYCOMMONS-REACTOME Wu-Stein-2010

Physical interactions:

Abu-Odeh-Aqeilan-2014 Agrawal-Sedivy-2010 Aichem-Groettrup-2012 Albers-Koegl-2005
Alexandru-Deshaies-2008 Altun-Kessler-2011 Andresen-Flores-Morales-2014 Arbuckle-Grant-2010
Arora-Mercola-2008 BIOGRID-SMALL-SCALE-STUDIES Bandyopadhyay-Ideker-2010
Bantscheff-Drewes-2011 Barr-Knapp-2009 Barrios-Rodiles-Wrana-2005 Behrends-Harper-2010
Behzadnia-Lührmann-2007 Bennett-Harper-2010 Benzinger-Hermeking-2005 Berggård-James-2006
Bett-Hay-2013 Blandin-Richard-2013 Bouwmeester-Supert-Furga-2004 Brajenovic-Drewes-2004
Brehme-Supert-Furga-2009 Bruderer-Hay-2011 Byron-Humphries-2012 Cai-Conaway-2007
Camargo-Brandon-2007 Cannavo-Jiricny-2007 Cao-Chinnaiyan-2014 Chen-Ge-2013 Chen-Naus-2012
Chen-Zhang-2013 Cheng-Chen-2010 Cloutier-Coulombe-2013 Colland-Gauthier-2004
Couzens-Gingras-2013 Cox-Rizzino-2013 Danielsen-Nielsen-2011 Dyer-Sobral-2010
Emanuele-Elledge-2011 Ewing-Figeys-2007 Fenner-Prehn-2010 Foerster-Ritter-2013
Foster-Marshall-2013 Freibaum-Taylor-2010 Gao-Reinberg-2012 Gautier-Hall-2009 Giannone-Liu-2010
Glatter-Gstaiger-2009 Gloeckner-Ueffing-2007 Goehler-Wanker-2004 Golebiowski-Hay-2009
Goudreault-Gingras-2009 Grant-2010 Greco-Cristea-2011 Havrylov-Redowicz-2009
Havugimana-Emili-2012 Hayes-Urbé-2012 Hegele-Stelzl-2012 A Hegele-Stelzl-2012 B
Humphries-Humphries-2009 Hutchins-Peters-2010 IREF-BIND IREF-BIOGRID IREF-DIP IREF-HPRD
IREF-INNATEDB IREF-INTACT IREF-MATRIXDB IREF-MPPI IREF-OPHID IREF-PUBMED
IREF-SMALL-SCALE-STUDIES Ingham-Pawson-2005 Jeronimo-Coulombe-2007 Jin-Pawson-2004
Jones-MacBeath-2006 Joshi-Cristea-2013 Jäger-Krogan-2012 Kahle-Zoghbi-2011 Kim-Gygi-2011
Kneissl-Grummt-2003 Koch-Hermeking-2007 Kristensen-Foster-2012 Lau-Ronai-2012 Lee-Doedens-2011
Lee-Songyang-2011 Lehner-Sanderson-2004 A Lehner-Sanderson-2004 B Leng-Wang-2014
Li-Dorf-2011 A Li-Dorf-2011 B Lim-Zoghbi-2006 Liu-Wang-2012 Loch-Strickler-2012
Lopitz-Otsoa-Rodriguez-2012 Lu-Zhang-2013 Mak-Moffat-2010 Malovannaya-Qin-2010
Markson-Sanderson-2009 Maréchal-Zou-2014 Matafora-Bachi-2009 Matsumoto-Nakayama-2005
McCracken-Blencowe-2005 McFarland-Nussbaum-2008 Meek-Piwnica-Worms-2004
Meierhofer-Kaiser-2008 Miyamoto-Sato-Yanagawa-2010 Nakayama-Ohara-2002 Nakayasu-Adkins-2013
Napolitano-Meroni-2011 Nathan-Goldberg-2013 Neganova-Lako-2011 Newman-Keating-2003
Olma-Pintard-2009 Oláh-Ovádi-2011 Oshikawa-Nakayama-2012 Ouyang-Gill-2009 Panigrahi-Pati-2012
Perez-Hernandez-Yáñez-Mó-2013 Persaud-Rotin-2009 Pichlmair-Supert-Furga-2011
Pichlmair-Supert-Furga-2012 Pilot-Storck-Goillot-2010 Povlsen-Choudhary-2012
Ramachandran-LaBaer-2004 Ravasi-Hayashizaki-2010 Reinke-Keating-2013
Richter-Chrzanowska-Lightowlers-2010 Roux-Burke-2012 Rowbotham-Mermoud-2011 Roy-Parent-2013
Rual-Vidal-2005 A Rual-Vidal-2005 B San-Marina-Minden-2008 Sang-Jackson-2011 Sato-Conaway-2004
Shi-Qin-2011 Singh-Moore-2012 Soler-López-Aloy-2011 Sowa-Harper-2009 Stehling-Lill-2012
Stelzl-Wanker-2005 Suter-Wanker-2013 Taipale-Lindquist-2012 Takahashi-Conaway-2011
Tarallo-Weisz-2011 Tatham-Hay-2011 Teixeira-Gomes-2010 Thalappilly-Dusetti-2008 Tsai-Cristea-2012
Udeshi-Carr-2012 Vandamme-Angrand-2011 Vanderwerf-Bagby-2009 Varjosalo-Gstaiger-2013 A

Varjosalo-Gstaiger-2013 B Varjosalo-Superti-Furga-2013 Venkatesan-Vidal-2009 Vinayagam-Wanker-2011
Wagner-Choudhary-2011 Wallach-Kramer-2013 Wang-Balch-2006 Wang-He-2008 Wang-Yang-2011
Weimann-Stelzl-2013 A Weimann-Stelzl-2013 B Weinmann-Meister-2009 Wilker-Yaffe-2007
Wong-O'Bryan-2012 Woods-Monteiro-2012 Woodsmith-Sanderson-2012 Wu-Li-2007 Wu-Ma-2012
Xiao-Lefkowitz-2007 Xie-Cong-2013 Xu-Jaffrey-2010 Xu-Ye-2012 Yang-Chen-2010
Yatim-Benkirane-2012 Yu-Chow-2013 Yu-Vidal-2011 Zanon-Pichler-2013 Zhang-Zou-2011
Zhao-Krug-2005 Zhao-Yang-2011 Zhou-Conrads-2004 Zhou-Liang-2012 de Hoog-Mann-2004
van Wijk-Timmers-2009

Predicted:

I2D-BIND-Fly2Human I2D-BIND-Mouse2Human I2D-BIND-Rat2Human I2D-BIND-Worm2Human
I2D-BIND-Yeast2Human I2D-BioGRID-Fly2Human I2D-BioGRID-Mouse2Human I2D-BioGRID-Rat2Human
I2D-BioGRID-Worm2Human I2D-BioGRID-Yeast2Human I2D-Chen-Pawson-2009-PiwiScreen-Mouse2Human
I2D-Formstecher-Daviet-2005-Embryo-Fly2Human I2D-Giot-Rothbert-2003-Low-Fly2Human
I2D-INNATEDB-Mouse2Human I2D-IntAct-Fly2Human I2D-IntAct-Mouse2Human I2D-IntAct-Rat2Human
I2D-IntAct-Worm2Human I2D-IntAct-Yeast2Human I2D-Krogan-Greenblatt-2006-Core-Yeast2Human
I2D-Krogan-Greenblatt-2006-NonCore-Yeast2Human I2D-Li-Vidal-2004-CORE-1-Worm2Human
I2D-Li-Vidal-2004-non-core-Worm2Human I2D-MGI-Mouse2Human I2D-MINT-Fly2Human
I2D-MINT-Mouse2Human I2D-MINT-Rat2Human I2D-MINT-Worm2Human I2D-MINT-Yeast2Human
I2D-Manual-Mouse2Human I2D-Manual-Rat2Human I2D-Ptacek-Snyder-2005-Yeast2Human
I2D-Tarassov-PCA-Yeast2Human I2D-Tewari-Vidal-2004-TGFb-Worm2Human
I2D-Wang-Orkin-2006-EScmplx-Mouse2Human I2D-Wang-Orkin-2006-EScmplxlow-Mouse2Human
I2D-Yu-Vidal-2008-GoldStd-Yeast2Human I2D-vonMering-Bork-2002-High-Yeast2Human
I2D-vonMering-Bork-2002-Low-Yeast2Human I2D-vonMering-Bork-2002-Medium-Yeast2Human
Stuart-Kim-2003

Shared protein domains:

INTERPRO PFAM

Network weighting: Automatically selected weighting method (Assigned based on query genes)

Number of gene results: 20

Networks

Co-expression	71.27 %
Bild-Nevins-2006 B	8.87 %
Oncogenic pathway signatures in human cancers as a guide to targeted therapies. Bild et al. (2006). <i>Nature</i> .	
Note: One of 3 datasets produced from this publication.	
Source: Pearson correlation with 282,582 interactions from GEO	
Tags: cultured cells; signal transduction; cancer; epithelial cells; cell line; disease; breast; transcription factors; breast cancer	
Bahr-Bowler-2013	7.55 %
Peripheral blood mononuclear cell gene expression in chronic obstructive pulmonary disease. Bahr et al. (2013). <i>Am J Respir Cell Mol Biol</i> .	
Source: Pearson correlation with 278,447 interactions from GEO	
Mallon-McKay-2013	6.97 %
StemCellDB: the human pluripotent stem cell database at the National Institutes of Health. Mallon et al. (2013). <i>Stem Cell Res</i> .	
Source: Pearson correlation with 567,140 interactions from GEO	
Tags: cultured cells; stem cells; cell line	
Arijs-Rutgeerts-2009	5.37 %
Mucosal gene expression of antimicrobial peptides in inflammatory bowel disease before and after first infliximab treatment. Arijs et al. (2009). <i>PLoS One</i> .	
Source: Pearson correlation with 653,194 interactions from GEO	
Tags: immune system	
Boldrick-Relman-2002	5.34 %
Stereotyped and specific gene expression programs in human innate immune responses to bacteria. Boldrick et al. (2002). <i>Proc Natl Acad Sci U S A</i> .	
Source: Pearson correlation with 108,543 interactions from supplementary material	
Tags: immune system	
Roth-Zlotnik-2006	5.09 %
Gene expression analyses reveal molecular relationships among 20 regions of the human CNS. Roth et al. (2006). <i>Neurogenetics</i> .	
Source: Pearson correlation with 666,614 interactions from GEO	
Gysin-McMahon-2012	3.67 %
Analysis of mRNA profiles after MEK1/2 inhibition in human pancreatic cancer cell lines reveals pathways involved in drug sensitivity. Gysin et al. (2012). <i>Mol Cancer Res</i> .	
Source: Pearson correlation with 388,454 interactions from GEO	
Tags: cell proliferation; cultured cells; cell line; signal transduction; cancer	
Wu-Garvey-2007	3.34 %
The effect of insulin on expression of genes and biochemical pathways in human skeletal muscle. Wu et al. (2007). <i>Endocrine</i> .	
Source: Pearson correlation with 260,762 interactions from GEO	
Tags: transcription factors; muscle; cultured cells	
Chen-Brown-2002	3.33 %
Gene expression patterns in human liver cancers. Chen et al. (2002). <i>Mol Biol Cell</i> .	
Source: Pearson correlation with 275,649 interactions from supplementary material	
Tags: cell proliferation; transcription factors; liver; cancer	

Wang-Maris-2006	2.90 %
Integrative genomics identifies distinct molecular classes of neuroblastoma and shows that multiple genes are targeted by regional alterations in DNA copy number. Wang et al. (2006). <i>Cancer Res.</i>	
Source: Pearson correlation with 264,234 interactions from GEO	
Tags: transcription factors; cancer	
Rieger-Chu-2004	2.86 %
Toxicity from radiation therapy associated with abnormal transcriptional responses to DNA damage. Rieger et al. (2004). <i>Proc Natl Acad Sci U S A.</i>	
Source: Pearson correlation with 259,055 interactions from GEO	
Tags: cultured cells; cell line	
Innocenti-Brown-2011	2.79 %
Identification, replication, and functional fine-mapping of expression quantitative trait loci in primary human liver tissue. Innocenti et al. (2011). <i>PLoS Genet.</i>	
Source: Pearson correlation with 579,361 interactions from GEO	
Tags: epithelial cells; cultured cells; cell line; liver; cancer	
Alizadeh-Staudt-2000	2.78 %
Distinct types of diffuse large B-cell lymphoma identified by gene expression profiling. Alizadeh et al. (2000). <i>Nature.</i>	
Source: Pearson correlation with 88,888 interactions from supplementary material	
Tags: cultured cells; cancer	
Perou-Botstein-1999	2.66 %
Distinctive gene expression patterns in human mammary epithelial cells and breast cancers. Perou et al. (1999). <i>Proc Natl Acad Sci U S A.</i>	
Source: Pearson correlation with 62,886 interactions from supplementary material	
Tags: cultured cells; cancer; epithelial cells; signal transduction; breast; stromal cells; transcription factors; breast cancer	
Ramaswamy-Golub-2001	2.53 %
Multiclass cancer diagnosis using tumor gene expression signatures. Ramaswamy et al. (2001). <i>Proc Natl Acad Sci U S A.</i>	
Source: Pearson correlation with 270,142 interactions from supplementary material	
Tags: cancer	
Smirnov-Cheung-2009	2.00 %
Genetic analysis of radiation-induced changes in human gene expression. Smirnov et al. (2009). <i>Nature.</i>	
Source: Pearson correlation with 463,390 interactions from GEO	
Tags: transcription factors; cultured cells; cell line	
Burington-Shaughnessy-2008	1.94 %
Tumor cell gene expression changes following short-term in vivo exposure to single agent chemotherapeutics are related to survival in multiple myeloma. Burington et al. (2008). <i>Clin Cancer Res.</i>	
Source: Pearson correlation with 293,587 interactions from GEO	
Tags: transcription factors; time series; cancer; chemotherapy	
Salaverria-Siebert-2011	0.66 %
Translocations activating IRF4 identify a subtype of germinal center-derived B-cell lymphoma affecting predominantly children and young adults. Salaverria et al. (2011). <i>Blood.</i>	
Source: Pearson correlation with 514,070 interactions from GEO	
Tags: transcription factors; cancer	
Cheek-Evans-2003	0.40 %
Treatment-specific changes in gene expression discriminate in vivo drug response in human leukemia cells. Cheek	

et al. (2003). *Nat Genet*.

Source: [Pearson correlation](#) with 263,940 interactions from [GEO](#)

Tags: chemotherapy; cultured cells; lymphoma; cancer

Kang-Willman-2010 **0.24 %**

[Gene expression classifiers for relapse-free survival and minimal residual disease improve risk classification and outcome prediction in pediatric B-precursor acute lymphoblastic leukemia.](#) Kang et al. (2010). *Blood*.

Source: [Pearson correlation](#) with 656,632 interactions from [GEO](#)

Tags: transcription factors; lymphoma; cancer

Physical interactions **10.77 %**

Kristensen-Foster-2012 **4.68 %**

[A high-throughput approach for measuring temporal changes in the interactome.](#) Kristensen et al. (2012). *Nat Methods*.

Source: [Direct interaction](#) with 7,104 interactions from [BioGRID](#)

Tags: time series

Jones-MacBeath-2006 **3.92 %**

[A quantitative protein interaction network for the ErbB receptors using protein microarrays.](#) Jones et al. (2006). *Nature*.

Source: [Direct interaction](#) with 172 interactions from [iRefIndex](#)

Tags: cultured cells; cell line

Cloutier-Coulombe-2013 **1.39 %**

[A newly uncovered group of distantly related lysine methyltransferases preferentially interact with molecular chaperones to regulate their activity.](#) Cloutier et al. (2013). *PLoS Genet*.

Source: [Direct interaction](#) with 219 interactions from [iRefIndex](#)

IREF-OPHID **0.60 %**

Source: [Direct interaction](#) with 44,492 interactions from [iRefIndex](#)

IREF-BIOGRID **0.19 %**

Source: [Direct interaction](#) with 127,207 interactions from [iRefIndex](#)

Pathway **7.09 %**

PATHWAYCOMMONS-NCI_NATURE **7.09 %**

Source: [Direct interaction](#) with 10,109 interactions from [Pathway Commons](#)

Predicted **4.66 %**

I2D-INNATEDB-Mouse2Human **4.61 %**

[InnateDB: facilitating systems-level analyses of the mammalian innate immune response.](#) Lynn et al. (2008). *Mol Syst Biol*.

Note: I2D predictions of protein protein interactions using INNATEDB Mus musculus data

Source: [Direct interaction](#) with 1,454 interactions from [I2D](#)

Tags: signal transduction; immune system

Stuart-Kim-2003 **0.05 %**

[A gene-coexpression network for global discovery of conserved genetic modules.](#) Stuart et al. (2003). *Science*.

Source: 24,928 interactions from supplementary material

Tags: cell proliferation; cultured cells; signal transduction; cancer

Co-localization **4.58 %**

Johnson-Shoemaker-2003 **4.58 %**

[Genome-wide survey of human alternative pre-mRNA splicing with exon junction microarrays.](#) Johnson et al. (2003). *Science*.

Source: [Pearson correlation](#) with 426,640 interactions from [GEO](#)

Tags: cultured cells; cell line

Genetic interactions **1.06 %**

Lin-Smith-2010 **1.06 %**

[A genome-wide map of human genetic interactions inferred from radiation hybrid genotypes.](#) Lin et al. (2010).
Genome Res.

Source: 4,836,794 interactions from supplementary material

Shared protein domains **0.57 %**

INTERPRO **0.46 %**

Source: [Pearson correlation](#) with 562,560 interactions from [InterPro](#)

PFAM **0.11 %**

Source: [Pearson correlation](#) with 543,464 interactions from [Pfam](#)

Attributes

<u>Attribute</u>	<u>Gene</u>
------------------	-------------



Synonyms: ENSG00000172057; ENSP00000304858; ENSP00000377724; ENSP00000462961; ENSP00000464298; ENSP00000464455; ENSP00000464693; 94103; ORMDL3; NP_644809; NM_139280; ORML3_HUMAN; Q8N138;

More at [Entrez](#)

CD276 (80381) CD276 molecule [Source:HGNC Symbol;Acc:19137]

Functions:



Synonyms: ENSG00000103855; ENSP00000320058; ENSP00000320084; ENSP00000441087; ENSP00000452649; ENSP00000452669; ENSP00000452736; ENSP00000452905; ENSP00000453014; ENSP00000453330; ENSP00000453336; ENSP00000453842; ENSP00000453907; ENSP00000454258; ENSP00000454940; ENSP00000455366; ENSP00000456657; 80381; CD276; NP_001019907; NP_079516; NM_001024736; NM_025240; B7-H3; B7H3; B7RP-2; CD276_HUMAN; Q5ZPR3;

More at [Entrez](#)

RMI2 (116028) RecQ mediated genome instability 2 [Source:HGNC Symbol;Acc:28349]

Functions:



Synonyms: ENSG00000175643; ENSP00000310356; ENSP00000371241; ENSP00000459601; ENSP00000461206; 116028; RMI2; NP_689521; NM_152308; BLAP18; C16orf75; MGC24665; Q96E14; RMI2_HUMAN;

More at [Entrez](#)

ZBPB2 zona pellucida binding protein 2 [Source:HGNC Symbol;Acc:20678]

Functions:



Synonyms: ENSG00000186075; ENSP00000335384; ENSP00000367174; ENSP00000462067; ENSP00000462463; 124626; ZBPB2; NP_942141; NP_955353; NM_198844; NM_199321; MGC41930; ZPBPL; Q6X784; ZBPB2_HUMAN;

More at [Entrez](#)

C1QTNF6 C1q and tumor necrosis factor related protein 6 [Source:HGNC Symbol;Acc:14343]

Functions:



Synonyms: ENSG00000133466; ENSP00000255836; ENSP00000338812; ENSP00000380299; ENSP00000399243; 114904; C1QTNF6; NP_114116; NP_872292; NM_031910; NM_182486; CTRP6; ZACRP6; C1QT6_HUMAN; Q9BXI9;

More at [Entrez](#)

FAHD1 fumarylacetoacetate hydrolase domain containing 1 [Source:HGNC Symbol;Acc:14169]

Functions:



Synonyms: ENSG00000180185; ENSP00000372112; ENSP00000372114; ENSP00000398053; 81889; FAHD1; NP_001018114; NP_001135870; NP_112485; NM_001018104; NM_001142398; NM_031208; C16orf36; DKFZP566J2046; FAHD1_HUMAN; Q6P587;

More at [Entrez](#)

SIRPG (55423) signal-regulatory protein gamma [Source:HGNC Symbol;Acc:15757]

Functions:



NP_694691; NM_021090; NM_153050; NM_153051; FYVE-DSP1; KIAA0371; ZFYVE10; MTMR3_HUMAN; Q13615;

More at [Entrez](#)

SLC11A1 solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1 [Source:HGNC Symbol;Acc:10907]

Functions:

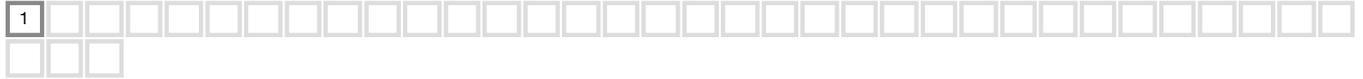


Synonyms: ENSG0000018280; ENSP00000233202; ENSP00000346320; ENSP00000443435; 6556; SLC11A1; NP_000569; NM_000578; NRAMP; NRAMP1; NRAM1_HUMAN; P49279;

More at [Entrez](#)

TSFM Ts translation elongation factor, mitochondrial [Source:HGNC Symbol;Acc:12367]

Functions:



Synonyms: ENSG00000123297; ENSP00000242983; ENSP00000313877; ENSP00000388330; ENSP00000389162; ENSP00000390679; ENSP00000406339; ENSP00000439342; ENSP00000440987; ENSP00000448575; ENSP00000450041; 10102; TSFM; NP_001166166; NP_001166167; NP_001166168; NP_005717; NM_001172695; NM_001172696; NM_001172697; NM_005726; EF-TS; EF-Tsmt; EFTS_HUMAN; P43897;

More at [Entrez](#)

SKAP2 (8935) src kinase associated phosphoprotein 2 [Source:HGNC Symbol;Acc:15687]

Functions:

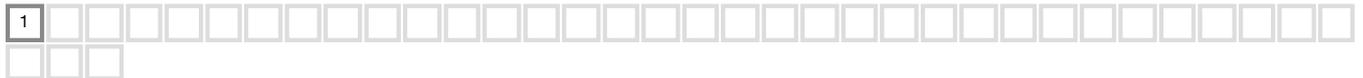


Synonyms: ENSG00000005020; ENSP00000005587; ENSP00000408163; ENSP00000443593; 8935; SKAP2; NP_003921; NM_003930; RA70; SAPS; SCAP2; SKAP-HOM; SKAP55R; O75563; SKAP2_HUMAN;

More at [Entrez](#)

SLC39A8 solute carrier family 39 (zinc transporter), member 8 [Source:HGNC Symbol;Acc:20862]

Functions:

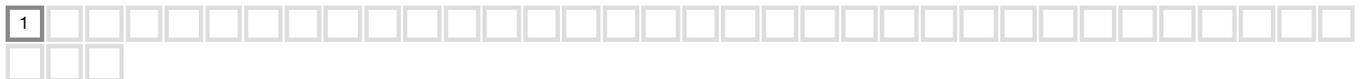


Synonyms: ENSG00000138821; ENSP00000349174; ENSP00000378310; ENSP00000394548; 64116; SLC39A8; NP_001128618; NP_001128619; NP_001128620; NP_071437; NM_001135146; NM_001135147; NM_001135148; NM_022154; BIGM103; Q9C0K1; S39A8_HUMAN;

More at [Entrez](#)

TUBB6 tubulin, beta 6 class V [Source:HGNC Symbol;Acc:20776]

Functions:

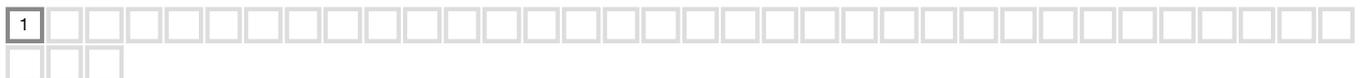


Synonyms: ENSG00000176014; ENSP00000318697; ENSP00000465040; ENSP00000465386; ENSP00000465448; ENSP00000465891; ENSP00000466849; ENSP00000467348; ENSP00000467969; ENSP00000468179; ENSP00000468571; ENSP00000468777; ENSP00000468820; 84617; TUBB6; NP_115914; NM_032525; HsT1601; MGC4083; Q9BUF5; TBB6_HUMAN;

More at [Entrez](#)

RRP15 (51018) ribosomal RNA processing 15 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:24255]

Functions:



Synonyms: ENSG00000067533; ENSP00000355899; 51018; RRP15; NP_057136; NM_016052; CGI-115; KIAA0507; Q9Y3B9; RRP15_HUMAN;

More at [Entrez](#)

IRF8 interferon regulatory factor 8 [Source:HGNC Symbol;Acc:5358]

Functions:

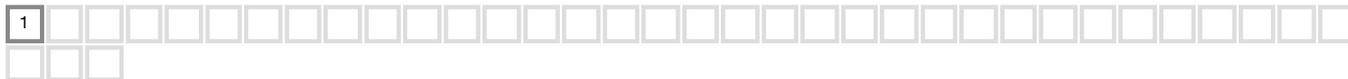


Synonyms: ENSG00000140968; ENSP00000268638; ENSP00000455048; ENSP00000455452; ENSP00000455760; ENSP00000455784; ENSP00000455816; ENSP00000456395; ENSP00000456992; ENSP00000458047; 3394; IRF8; NP_002154; NM_002163; ICSBP; ICSBP1; IRF-8; IRF8_HUMAN; Q02556;

More at [Entrez](#)

TYK2 tyrosine kinase 2 [Source:HGNC Symbol;Acc:12440]

Functions:



Synonyms: ENSG00000105397; ENSP00000264818; ENSP00000431885; ENSP00000432320; ENSP00000432728; ENSP00000433203; ENSP00000434831; ENSP00000434931; ENSP00000436155; ENSP00000436175; ENSP00000436826; ENSP00000465291; ENSP00000466340; ENSP00000467288; 7297; TYK2; NP_003322; NM_003331; JTK1; P29597; TYK2_HUMAN;

More at [Entrez](#)

FOXP3 forkhead box P3 [Source:HGNC Symbol;Acc:6106]

2.49

Functions:



Synonyms: ENSG0000049768; ENSG00000269002; ENSP00000365369; ENSP00000365372; ENSP00000365380; ENSP00000396415; ENSP00000428952; ENSP00000451208; ENSP00000469715; ENSP00000470432; ENSP00000470454; ENSP00000470672; ENSP00000471366; ENSP00000472792; 50943; FOXP3; NP_001107849; NP_054728; NM_001114377; NM_014009; AIID; DIETER; IPEX; JM2; PIDX; SCURFIN; XPID; FOXP3_HUMAN; Q9BZS1;

More at [Entrez](#)

NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 [Source:HGNC Symbol;Acc:7776]

1.59

Functions:



Synonyms: ENSG00000101096; ENSP00000360619; ENSP00000379330; ENSP00000396471; ENSP00000477142; ENSP00000477342; ENSP00000477370; 4773; NFATC2; NP_001129493; NP_001245221; NP_001245223; NP_001245224; NP_001245225; NP_001245226; NP_036472; NP_775114; NM_001136021; NM_001258292; NM_001258294; NM_001258295; NM_001258296; NM_001258297; NM_012340; NM_173091; NF-ATP; NFAT1; NFATp; NFAC2_HUMAN; Q13469;

More at [Entrez](#)

MAGED1 melanoma antigen family D, 1 [Source:HGNC Symbol;Acc:6813]

1.54

Functions:



Synonyms: ENSG00000179222; ENSG00000268018; ENSP00000325333; ENSP00000364847; ENSP00000364874; ENSP00000364927; ENSP00000469692; ENSP00000471216; ENSP00000472440; ENSP00000473070; 9500; MAGED1; NP_001005332; NP_001005333; NP_008917; NM_001005332; NM_001005333; NM_006986; DLXIN-1; NRAGE; MAGD1_HUMAN; Q9Y5V3;

More at [Entrez](#)

SPI1 spleen focus forming virus (SFFV) proviral integration oncogene [Source:HGNC Symbol;Acc:11241]

1.42

Functions:



Synonyms: ENSG00000066336; ENSP00000227163; ENSP00000367799; ENSP00000438846; ENSP00000443865; 6688; SPI1; NP_001074016; NP_003111; NM_001080547; NM_003120; PU.1; SFPI1; SPI-

1; SPI-A; P17947; SPI1_HUMAN;

More at [Entrez](#)

RAB3GAP1 RAB3 GTPase activating protein subunit 1 (catalytic) [Source:HGNC Symbol;Acc:17063] 1.38

Functions:

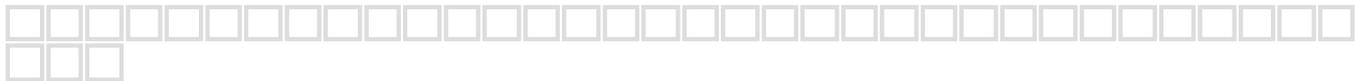


Synonyms: ENSG00000115839; ENSP00000264158; ENSP00000400761; ENSP00000411418; ENSP00000444306; 22930; RAB3GAP1; NP_001165906; NP_036365; NM_001172435; NM_012233; KIAA0066; RAB3GAP; RAB3GAP130; WARBM1; Q15042; RB3GP_HUMAN;

More at [Entrez](#)

RPL30 ribosomal protein L30 [Source:HGNC Symbol;Acc:10333] 1.36

Functions:

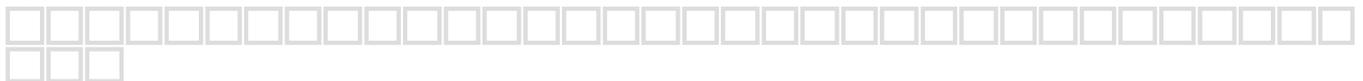


Synonyms: ENSG00000156482; ENSP00000287038; ENSP00000379381; ENSP00000428085; ENSP00000429483; ENSP00000430506; ENSP00000430556; 6156; RPL30; NP_000980; NM_000989; P62888; RL30_HUMAN;

More at [Entrez](#)

E2F3 E2F transcription factor 3 [Source:HGNC Symbol;Acc:3115] 1.34

Functions:

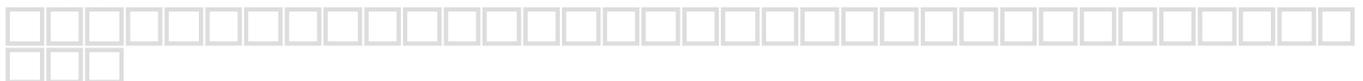


Synonyms: ENSG00000112242; ENSP00000262904; ENSP00000443418; 1871; E2F3; NP_001230005; NP_001940; NM_001243076; NM_001949; E2F3_HUMAN; O00716;

More at [Entrez](#)

ZMIZ2 zinc finger, MIZ-type containing 2 [Source:HGNC Symbol;Acc:22229] 1.30

Functions:



Synonyms: ENSG00000122515; ENSP00000265346; ENSP00000311778; ENSP00000396601; ENSP00000406820; ENSP00000409648; ENSP00000414723; ENSP00000415501; 83637; ZMIZ2; NP_113637; NP_777589; NM_031449; NM_174929; DKFZp761I2123; hZIMP7; KIAA1886; NET27; ZIMP7; Q8NF64; ZMIZ2_HUMAN;

More at [Entrez](#)

PRKCQ protein kinase C, theta [Source:HGNC Symbol;Acc:9410] 1.29

Functions:



Synonyms: ENSG0000065675; ENSP00000263125; ENSP00000380361; ENSP00000441752; 5588; PRKCQ; NP_001229342; NP_001269573; NP_001269574; NP_006248; NM_001242413; NM_001282644; NM_006257; KPCT_HUMAN; Q04759;

More at [Entrez](#)

TGM2 transglutaminase 2 [Source:HGNC Symbol;Acc:11778] 1.25

Functions:

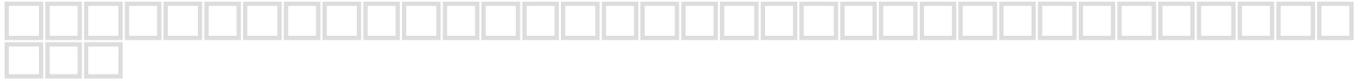


Synonyms: ENSG00000198959; ENSP00000355330; ENSP00000362502; ENSP00000387642; ENSP00000437479; ENSP00000444701; 7052; TGM2; NP_004604; NP_945189; NM_004613; NM_198951; TGC; P21980; TGM2_HUMAN;

More at [Entrez](#)

REL v-rel avian reticuloendotheliosis viral oncogene homolog [Source:HGNC Symbol;Acc:9954] 1.24

Functions:



Synonyms: ENSG00000162924; ENSP00000295025; ENSP00000377989; 5966; REL; NP_002899; NM_002908; c-Rel; I-Rel; Q04864; REL_HUMAN;

More at [Entrez](#)

ALDH16A1 aldehyde dehydrogenase 16 family, member A1 [Source:HGNC Symbol;Acc:28114] 1.24

Functions:

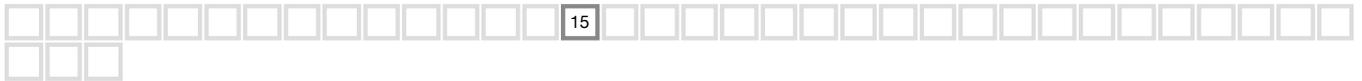


Synonyms: ENSG00000161618; ENSP00000293350; ENSP00000398675; ENSP00000410142; ENSP00000445088; ENSP00000469507; ENSP00000470160; 126133; ALDH16A1; NP_001138868; NP_699160; NM_001145396; NM_153329; MGC10204; A16A1_HUMAN; Q8IZ83;

More at [Entrez](#)

FOXO3 forkhead box O3 [Source:HGNC Symbol;Acc:3821] 1.23

Functions:



Synonyms: ENSG00000118689; ENSP00000339527; ENSP00000385824; ENSP00000446316; 2309; FOXO3; NP_001446; NP_963853; NM_001455; NM_201559; AF6q21; FKHL1; FOXO2; FOXO3A; FOXO3_HUMAN; O43524;

More at [Entrez](#)

JAK3 Janus kinase 3 [Source:HGNC Symbol;Acc:6193] 1.20

Functions:

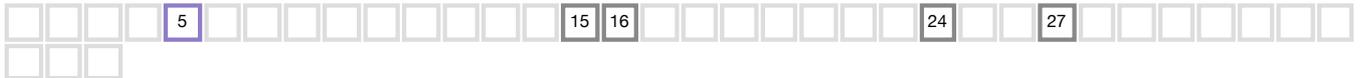


Synonyms: ENSG00000105639; ENSP00000391676; ENSP00000432511; ENSP00000436421; 3718; JAK3; NP_000206; NM_000215; JAK-3; JAKL; L-JAK; LJAK; JAK3_HUMAN; P52333;

More at [Entrez](#)

ITK IL2-inducible T-cell kinase [Source:HGNC Symbol;Acc:6171] 1.20

Functions:



Synonyms: ENSG00000113263; ENSP00000398655; ENSP00000430327; ENSP00000431054; 3702; ITK; NP_005537; NM_005546; LYK; PSCTK2; ITK_HUMAN; Q08881;

More at [Entrez](#)

TFF1 trefoil factor 1 [Source:HGNC Symbol;Acc:11755] 1.16

Functions:



Synonyms: ENSG00000160182; ENSP00000291527; 7031; TFF1; NP_003216; NM_003225; BCEI; D21S21; HP1.A; pNR-2; P04155; TFF1_HUMAN;

More at [Entrez](#)

NCOA1 nuclear receptor coactivator 1 [Source:HGNC Symbol;Acc:7668] 1.13

Functions:



Synonyms: ENSG00000084676; ENSP00000288599; ENSP00000320940; ENSP00000379197;

ENSP00000385097; ENSP00000385195; ENSP00000385216; ENSP00000444039; 8648; NCOA1; NP_003734; NP_671756; NP_671766; NM_003743; NM_147223; NM_147233; bHLHe74; F-SRC-1; KAT13A; NCoA-1; RIP160; NCOA1_HUMAN; Q15788;

More at [Entrez](#)

CD2 CD2 molecule [Source:HGNC Symbol;Acc:1639]

1.12

Functions:



Synonyms: ENSG00000116824; ENSP00000358489; ENSP00000358490; 914; CD2; NP_001758; NM_001767; CD2_HUMAN; P06729;

More at [Entrez](#)

GABPA GA binding protein transcription factor, alpha subunit 60kDa [Source:HGNC Symbol;Acc:4071]

1.10

Functions:



Synonyms: ENSG00000154727; ENSP00000346886; ENSP00000382948; 2551; GABPA; NP_001184226; NP_002031; NM_001197297; NM_002040; E4TF1-60; E4TF1A; NFT2; NRF2A; GABPA_HUMAN; Q06546;

More at [Entrez](#)

ZBTB17 zinc finger and BTB domain containing 17 [Source:HGNC Symbol;Acc:12936]

1.08

Functions:



Synonyms: ENSG00000116809; ENSP00000364885; ENSP00000364895; ENSP00000391002; ENSP00000400827; ENSP00000408483; ENSP00000438529; 7709; ZBTB17; NP_001229813; NP_003434; NM_001242884; NM_003443; MIZ1; pHZ-67; ZNF151; ZNF60; Q13105; ZBT17_HUMAN;

More at [Entrez](#)

Functions

Function	FDR	Coverage
1 query genes	n/a	80 / 80
2 regulation of leukocyte activation	5.41E-5	12 / 232
3 regulation of lymphocyte activation	6.82E-5	11 / 208
4 regulation of cell activation	6.82E-5	12 / 254
5 T cell activation	2.33E-4	11 / 241
6 mononuclear cell proliferation	5.95E-4	8 / 125
7 positive regulation of cell activation	5.95E-4	9 / 172
8 lymphocyte proliferation	5.95E-4	8 / 123
9 positive regulation of leukocyte activation	5.95E-4	9 / 166
10 regulation of T cell activation	5.95E-4	9 / 169
11 leukocyte proliferation	8.53E-4	8 / 133
12 regulation of lymphocyte proliferation	8.53E-4	7 / 92
13 regulation of mononuclear cell proliferation	8.53E-4	7 / 93
14 regulation of leukocyte proliferation	1.13E-3	7 / 98
15 immune response-regulating cell surface receptor signaling pathway	4.47E-3	10 / 297
16 adaptive immune response	8.35E-3	7 / 135
17 regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	1.41E-2	5 / 58
18 adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	1.41E-2	6 / 98
19 regulation of lymphocyte differentiation	1.63E-2	5 / 61
20 positive regulation of lymphocyte activation	1.63E-2	7 / 155
21 positive regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	1.84E-2	4 / 31
22 negative regulation of T cell activation	2E-2	4 / 32
23 regulation of adaptive immune response	2.05E-2	5 / 66
24 antigen receptor-mediated signaling pathway	2.26E-2	6 / 114
25 positive regulation of adaptive immune response	2.26E-2	4 / 34
26 negative regulation of lymphocyte apoptotic process	2.75E-2	3 / 13
27 immune response-activating cell surface receptor signaling pathway	2.75E-2	7 / 176
28 regulation of T cell apoptotic process	3.36E-2	3 / 14
29 positive regulation of T cell activation	4.23E-2	6 / 131
30 negative regulation of lymphocyte activation	4.76E-2	4 / 43
31 lymphocyte differentiation	6.49E-2	6 / 144
32 T cell differentiation	6.49E-2	5 / 90
33 regulation of B cell activation	7.82E-2	4 / 50
34 negative regulation of leukocyte activation	8.17E-2	4 / 51
35 T cell apoptotic process	8.17E-2	3 / 20
36 regulation of CD4-positive, alpha-beta T cell activation	8.97E-2	3 / 21
37 regulation of T cell differentiation	8.97E-2	4 / 53

Interactions

Gene 1	Gene 2	Weight	Network group	Networks
CD2	PRKCQ	0.09398043854162097	Co-expression	Alizadeh-Staudt-2000 Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Bild-Nevins-2006 B Cheok-Evans-2003 Ramaswamy-Golub-2001 Salaverria-Siebert-2011
CD2	IL7R	0.08387967897579074	Co-expression	Alizadeh-Staudt-2000 Bahr-Bowler-2013 Bild-Nevins-2006 B Burlington-Shaughnessy-2008 Innocenti-Brown-2011 Mallon-McKay-2013 Roth-Zlotnik-2006
CD2	RASGRP1	0.07248106691986322	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Bild-Nevins-2006 B Cheok-Evans-2003 Innocenti-Brown-2011 Mallon-McKay-2013 Ramaswamy-Golub-2001
ITK	PTPN22	0.071922711096704	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B Innocenti-Brown-2011 Mallon-McKay-2013 Wang-Maris-2006
ITK	UBASH3A	0.0715251974761486	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Innocenti-Brown-2011 Kang-Willman-2010 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
CD2	ITK	0.06713574845343828	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B Burlington-Shaughnessy-2008 Innocenti-Brown-2011 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
ITK	IL7R	0.05915844487026334	Co-expression	Bahr-Bowler-2013 Bild-Nevins-2006 B Innocenti-Brown-2011 Roth-Zlotnik-2006 Wang-Maris-2006
UBASH3A	SIRPG	0.054805494379252195	Co-expression	Innocenti-Brown-2011 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
ZMIZ2	TYK2	0.05421858141198754	Co-expression	Bahr-Bowler-2013 Bild-Nevins-2006 B Chen-Brown-2002 Rieger-Chu-2004 Smirnov-Cheung-2009
REL	IRF8	0.05332629755139351	Co-expression	Rieger-Chu-2004 Roth-Zlotnik-2006 Salaverria-Siebert-2011 Smirnov-Cheung-2009
RNF13	SKAP2	0.05292761605232954	Co-expression	Bild-Nevins-2006 B Burlington-Shaughnessy-2008 Rieger-Chu-2004 Wang-Maris-2006

CD2	UBASH3A	0.05287768179550767	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Innocenti-Brown-2011 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
CD2	SIRPG	0.05189822427928448	Co-expression	Arijs-Rutgeerts-2009 Innocenti-Brown-2011 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
PTPN22	IKZF1	0.05016372771933675	Co-expression	Boldrick-Relman-2002 Innocenti-Brown-2011 Mallon-McKay-2013
POLA2	TYMS	0.049200959503650665	Co-expression	Bild-Nevins-2006 B Gysin-McMahon-2012 Mallon-McKay-2013 Wang-Maris-2006
ITK	CCL5	0.047598506323993206	Co-expression	Bild-Nevins-2006 B Burlington-Shaughnessy-2008 Innocenti-Brown-2011 Kang-Willman-2010
PLCB2	APOBR	0.04752223612740636	Co-expression	Bahr-Bowler-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
CD2	PTPN22	0.04736510384827852	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B Cheok-Evans-2003 Salaverria-Siebert-2011
CD2	CCL5	0.04686735616996884	Co-expression	Alizadeh-Staudt-2000 Bild-Nevins-2006 B Burlington-Shaughnessy-2008 Innocenti-Brown-2011 Roth-Zlotnik-2006 Salaverria-Siebert-2011
ZMIZ2	MOGS	0.04442342650145292	Co-expression	Alizadeh-Staudt-2000 Boldrick-Relman-2002 Chen-Brown-2002
ITK	RASGRP1	0.04431469109840691	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Bild-Nevins-2006 B Mallon-McKay-2013 Wang-Maris-2006
IL7R	RASGRP1	0.043816015124320984	Co-expression	Bahr-Bowler-2013 Bild-Nevins-2006 B Wang-Maris-2006 Wu-Garvey-2007
RASGRP1	IKZF1	0.04220025381073356	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B Boldrick-Relman-2002 Wang-Maris-2006
CLEC2D	IKZF3	0.042158590629696846	Co-expression	Arijs-Rutgeerts-2009 Roth-Zlotnik-2006
ITK	PRKCQ	0.04035601019859314	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Bild-Nevins-2006 B Salaverria-Siebert-2011
REL	SH2B3	0.04035399854183197	Co-expression	Bahr-Bowler-2013 Rieger-Chu-2004 Smirnov-Cheung-2009
RPL30	PPIA	0.039679120760411024	Co-expression	Burlington-Shaughnessy-2008 Salaverria-Siebert-2011 Smirnov-Cheung-2009 Wu-Garvey-2007
RRP15	AHCTF1	0.03855019062757492	Co-expression	Arijs-Rutgeerts-2009 Burlington-Shaughnessy-2008

ITK	SIRPG	0.038394213654100895	Co-expression	Arijs-Rutgeerts-2009 Mallon-McKay-2013 Roth-Zlotnik-2006 Salaverria-Siebert-2011
RNF13	ZNF280D	0.03797297552227974	Co-expression	Chen-Brown-2002 Mallon-McKay-2013
PRKCQ	PTPN22	0.0376576860435307	Co-expression	Boldrick-Relman-2002 Cheok-Evans-2003 Kang-Willman-2010
ITK	IKZF1	0.036386517342180014	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B Boldrick-Relman-2002 Mallon-McKay-2013
NCOA1	RAB3GAP1	0.036230092868208885	Co-expression	Wang-Maris-2006 Wu-Garvey-2007
USP14	SKAP2	0.035476814955472946	Co-expression	Burington-Shaughnessy-2008 Rieger-Chu-2004
IRF8	ST6GAL1	0.03494892455637455	Co-expression	Alizadeh-Staudt-2000 Ramaswamy-Golub-2001
IFNGR1	IL18R1	0.03404354676604271	Co-expression	Alizadeh-Staudt-2000 Mallon-McKay-2013 Rieger-Chu-2004 Smirnov-Cheung-2009
IL18R1	NCOA7	0.0338117741048336	Co-expression	Alizadeh-Staudt-2000 Kang-Willman-2010
PRKCQ	RASGRP1	0.03278912790119648	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Ramaswamy-Golub-2001
REL	ZMYM5	0.03202031925320625	Co-expression	Innocenti-Brown-2011 Smirnov-Cheung-2009
TFF1	GSDMB	0.032014486379921436	Co-expression	Chen-Brown-2002 Salaverria-Siebert-2011
IKZF3	CLECL1	0.03183767106384039	Co-expression	Arijs-Rutgeerts-2009 Mallon-McKay-2013
IRF8	SH2B3	0.03169489558786154	Co-expression	Bild-Nevins-2006 B Cheok-Evans-2003 Kang-Willman-2010
CCL5	RASGRP1	0.031425639521330595	Co-expression	Innocenti-Brown-2011 Wang-Maris-2006 Wu-Garvey-2007
CD2	IL18R1	0.030915212351828814	Co-expression	Bild-Nevins-2006 B Burington-Shaughnessy-2008 Salaverria-Siebert-2011
RASGRP1	CTSH	0.03085377928800881	Co-expression	Arijs-Rutgeerts-2009 Burington-Shaughnessy-2008 Salaverria-Siebert-2011
TYMS	CENPW	0.030623571947216988	Co-expression	Arijs-Rutgeerts-2009 Innocenti-Brown-2011 Kang-Willman-2010
IFNGR1	ID2	0.03055787179619074	Co-expression	Innocenti-Brown-2011 Ramaswamy-Golub-2001
ZMIZ2	SPI1	0.02963453996926546	Co-expression	Bild-Nevins-2006 B Burington-Shaughnessy-2008
EIF5A	GRAMD1B	0.029534772038459778	Co-expression	Alizadeh-Staudt-2000 Boldrick-Relman-2002
LYRM2	FAHD1	0.029234839603304863	Co-expression	Bahr-Bowler-2013
CAT	SULT1A2	0.028556445613503456	Co-expression	Arijs-Rutgeerts-2009 Innocenti-Brown-2011 Roth-Zlotnik-2006
SLC39A8	SLC11A1	0.027715440839529037	Co-expression	Roth-Zlotnik-2006
RAB3GAP1	SORL1	0.027510782703757286	Co-expression	Bild-Nevins-2006 B
IFNGR1	SKAP2	0.02741874009370804	Co-expression	Bahr-Bowler-2013
SPI1	PLCB2	0.027343543246388435	Co-expression	Burington-Shaughnessy-2008

SORL1	SKAP2	0.02707189228385687	Co-expression	Roth-Zlotnik-2006 Gysin-McMahon-2012 Wu-Garvey-2007
RASGRP1	UBASH3A	0.026856962125748396	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Mallon-McKay-2013
IL7R	IL18R1	0.026274286210536957	Co-expression	Roth-Zlotnik-2006 Smirnov-Cheung-2009
CD2	CD226	0.02604744676500559	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013 Salaverria-Siebert-2011
ZBTB17	SMARCE1	0.025649114162661135	Co-expression	Burington-Shaughnessy-2008 Cheek-Evans-2003
CD2	IKZF1	0.02500881813466549	Co-expression	Bahr-Bowler-2013 Innocenti-Brown-2011
IL18R1	GRAMD1B	0.02497257455252111	Co-expression	Gysin-McMahon-2012 Rieger-Chu-2004 Smirnov-Cheung-2009
TYK2	TTC31	0.024908514227718115	Co-expression	Roth-Zlotnik-2006 Salaverria-Siebert-2011 Smirnov-Cheung-2009
IRF8	IKZF1	0.024628544226288795	Co-expression	Bild-Nevins-2006 B Wang-Maris-2006
CCL5	CD226	0.02445980068296194	Co-expression	Bahr-Bowler-2013 Roth-Zlotnik-2006
ZBTB17	TYK2	0.024420490954071283	Co-expression	Arijs-Rutgeerts-2009 Ramaswamy-Golub-2001 Smirnov-Cheung-2009
MAGED1	SEC61G	0.024325954727828503	Co-expression	Bahr-Bowler-2013 Bild-Nevins-2006 B
SH2B1	FAHD1	0.024236010387539864	Co-expression	Perou-Botstein-1999
SPI1	INO80B	0.02388538233935833	Co-expression	Kang-Willman-2010
SPNS1	C1QTNF6	0.02369275689125061	Co-expression	Chen-Brown-2002
IL7R	IKZF1	0.023534246254712343	Co-expression	Bild-Nevins-2006 B Ramaswamy-Golub-2001
PRKCQ	UBASH3A	0.023312251083552837	Co-expression	Kang-Willman-2010 Salaverria-Siebert-2011
MOGS	PPIA	0.023261362686753273	Co-expression	Boldrick-Relman-2002 Wang-Maris-2006
ZMIZ2	GRAMD1B	0.02319233864545822	Co-expression	Wang-Maris-2006
E2F3	USP14	0.023174257948994637	Co-expression	Kang-Willman-2010 Ramaswamy-Golub-2001
RASGRP1	SIRPG	0.023165087681263685	Co-expression	Arijs-Rutgeerts-2009 Mallon-McKay-2013
PCK2	CAT	0.023048591567203403	Co-expression	Arijs-Rutgeerts-2009 Chen-Brown-2002 Innocenti-Brown-2011 Roth-Zlotnik-2006
ZBTB17	SH2B1	0.022961714246775955	Co-expression	Bahr-Bowler-2013 Burington-Shaughnessy-2008 Cheek-Evans-2003
SH2B3	CTSH	0.022949837148189545	Co-expression	Wu-Garvey-2007
PGM1	SLC39A8	0.022331399843096733	Co-expression	Burington-Shaughnessy-2008
IFNGR1	RNF13	0.022071168292313814	Co-expression	Bild-Nevins-2006 B Wang-Maris-2006 Wu-Garvey-2007
RASGRP1	CLEC2D	0.021635254379361868	Co-expression	Arijs-Rutgeerts-2009 Kang-Willman-2010
CD2	TNP2	0.021630503237247467	Co-expression	Gysin-McMahon-2012
NCOA1	ID2	0.021482594311237335	Co-expression	Bahr-Bowler-2013
PRKCQ	CTLA4	0.02114155702292919	Co-expression	Innocenti-Brown-2011 Salaverria-Siebert-2011
SPI1	SLC11A1	0.020940744318068027	Co-expression	Boldrick-Relman-2002

				Roth-Zlotnik-2006
TUFM	TYMS	0.020847156643867493	Co-expression	Perou-Botstein-1999
ST6GAL1	IKZF3	0.020822131074965	Co-expression	Bahr-Bowler-2013 Smirnov-Cheung-2009
SORL1	IKZF1	0.020739728584885597	Co-expression	Boldrick-Relman-2002 Perou-Botstein-1999
TFF1	TGM2	0.02073640190064907	Co-expression	Gysin-McMahon-2012
IFIH1	ZNF280D	0.02072746492922306	Co-expression	Innocenti-Brown-2011
ERBB3	SUOX	0.020633742213249207	Co-expression	Bild-Nevins-2006 B
SH2B1	C1QTNF6	0.020524486899375916	Co-expression	Chen-Brown-2002
E2F3	TYMS	0.020517323166131973	Co-expression	Alizadeh-Staudt-2000
IL18R1	PLCB2	0.020447861403226852	Co-expression	Mallon-McKay-2013
TUBB6	ADCY3	0.020181037485599518	Co-expression	Smirnov-Cheung-2009
NCOA1	MTMR3	0.020022534299641848	Co-expression	Burington-Shaughnessy-2008 Mallon-McKay-2013
CCL5	UBASH3A	0.019742950331419706	Co-expression	Innocenti-Brown-2011 Kang-Willman-2010
RAB3GAP1	ZNF280D	0.01969159208238125	Co-expression	Gysin-McMahon-2012
SH2B1	SULT1A2	0.01947161927819252	Co-expression	Gysin-McMahon-2012
GRAMD1B	ADCY3	0.01899753324687481	Co-expression	Gysin-McMahon-2012
TYK2	TMUB2	0.01894400082528591	Co-expression	Chen-Brown-2002
ITK	CLEC2D	0.018869003280997276	Co-expression	Arijs-Rutgeerts-2009 Roth-Zlotnik-2006
SULT1A2	GSDMB	0.018801754340529442	Co-expression	Roth-Zlotnik-2006
CCL5	IL7R	0.018786310218274593	Co-expression	Alizadeh-Staudt-2000 Mallon-McKay-2013
IRF8	IKZF3	0.018783836625516415	Co-expression	Mallon-McKay-2013 Roth-Zlotnik-2006
IL7R	SORL1	0.01862070895731449	Co-expression	Wu-Garvey-2007
CTSH	ST6GAL1	0.018599234521389008	Co-expression	Bild-Nevins-2006 B
IRF8	CTSH	0.018532313406467438	Co-expression	Arijs-Rutgeerts-2009 Wang-Maris-2006
TYK2	MCM3AP	0.018512402661144733	Co-expression	Arijs-Rutgeerts-2009 Cheok-Evans-2003
SMARCE1	RRP15	0.018165290355682373	Co-expression	Arijs-Rutgeerts-2009
PGM1	DERA	0.018143605440855026	Co-expression	Salaverria-Siebert-2011
ITK	SPI1	0.018119508400559425	Co-expression	Alizadeh-Staudt-2000
USP14	TUBB6	0.01810538023710251	Co-expression	Gysin-McMahon-2012
IFNGR1	CD226	0.017927383538335562	Co-expression	Rieger-Chu-2004 Smirnov-Cheung-2009
IL18R1	UBASH3A	0.017913810908794403	Co-expression	Salaverria-Siebert-2011 Smirnov-Cheung-2009
REL	RAB3GAP1	0.017898544669151306	Co-expression	Wang-Maris-2006
ALDH16A1	TYK2	0.017825118033215404	Co-expression	Innocenti-Brown-2011 Roth-Zlotnik-2006
FHL3	CD276	0.0177542045712471	Co-expression	Chen-Brown-2002
TFF1	MEIS2	0.017673912923783064	Co-expression	Arijs-Rutgeerts-2009 Ramaswamy-Golub-2001
REL	CLEC2D	0.017615512013435364	Co-expression	Roth-Zlotnik-2006
MAGED1	PPIA	0.017496205866336823	Co-expression	Bahr-Bowler-2013
NCOA1	IL18R1	0.01747395470738411	Co-expression	Bahr-Bowler-2013
SPI1	APOBR	0.017462830059230328	Co-expression	Mallon-McKay-2013 Roth-Zlotnik-2006
ZMIZ2	TMUB2	0.01715821586549282	Co-expression	Arijs-Rutgeerts-2009
IKZF1	GRAMD1B	0.017133327201008797	Co-expression	Rieger-Chu-2004
SH2B3	SKAP2	0.017023760825395584	Co-expression	Bild-Nevins-2006 B
ERBB3	GSDMB	0.01699485257267952	Co-expression	Gysin-McMahon-2012
FOXO3	SUOX	0.016844848170876503	Co-expression	Salaverria-Siebert-2011
IKZF1	ST6GAL1	0.016798686236143112	Co-expression	Bahr-Bowler-2013

SH2B3	IFIH1	0.016519224271178246	Co-expression	Roth-Zlotnik-2006
SLC39A8	GRAMD1B	0.016469284892082214	Co-expression	Boldrick-Relman-2002
SH2B3	PLCB2	0.016467265784740448	Co-expression	Boldrick-Relman-2002
FOXO3	CTSH	0.01639883778989315	Co-expression	Smirnov-Cheung-2009
FOXO3	IL7R	0.016394739970564842	Co-expression	Salaverria-Siebert-2011
MOGS	SPNS1	0.01634524017572403	Co-expression	Mallon-McKay-2013
IFIH1	NCOA7	0.01631106622517109	Co-expression	Bahr-Bowler-2013
SEC61G	DERA	0.01626879721879959	Co-expression	Gysin-McMahon-2012
SPI1	PCK2	0.016251815482974052	Co-expression	Wang-Maris-2006
SPI1	SUOX	0.016016481444239616	Co-expression	Perou-Botstein-1999
SPI1	NFATC2	0.015956569463014603	Co-expression	Mallon-McKay-2013
REL	AHCTF1	0.015937263146042824	Co-expression	Boldrick-Relman-2002
IRF8	ADCY3	0.015931930392980576	Co-expression	Kang-Willman-2010
RASGRP1	CD226	0.015922972466796637	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013
NCOA1	ST6GAL1	0.01587895303964615	Co-expression	Burlington-Shaughnessy-2008
REL	NFATC2	0.015810225158929825	Co-expression	Mallon-McKay-2013
IL18R1	ADCY3	0.015786122530698776	Co-expression	Gysin-McMahon-2012
MOGS	CD276	0.015744635835289955	Co-expression	Ramaswamy-Golub-2001
ZBTB17	IP6K2	0.015716755762696266	Co-expression	Bahr-Bowler-2013
ZBTB17	IRF8	0.01553063653409481	Co-expression	Arijs-Rutgeerts-2009
PLCB2	METTL21B	0.015440569259226322	Co-expression	Burlington-Shaughnessy-2008
TGM2	FHL3	0.015331312082707882	Co-expression	Perou-Botstein-1999
NFATC2	RASGRP1	0.015306560322642326	Co-expression	Arijs-Rutgeerts-2009 Bahr-Bowler-2013
ITK	CTLA4	0.015237873420119286	Co-expression	Salaverria-Siebert-2011
PCK2	IFIH1	0.015236197039484978	Co-expression	Bahr-Bowler-2013
CCL5	PTPN22	0.015194729436188936	Co-expression	Bild-Nevins-2006 B Innocenti-Brown-2011
CD2	CTLA4	0.015119558200240135	Co-expression	Boldrick-Relman-2002 Salaverria-Siebert-2011
IRF8	CLECL1	0.014970732852816582	Co-expression	Mallon-McKay-2013 Roth-Zlotnik-2006
IL7R	UBASH3A	0.014732523821294308	Co-expression	Bahr-Bowler-2013
IFNGR1	IL7R	0.014729620888829231	Co-expression	Rieger-Chu-2004 Smirnov-Cheung-2009
PRKCQ	FAHD1	0.014623777940869331	Co-expression	Chen-Brown-2002
IL18R1	SIRPG	0.014556755777448416	Co-expression	Salaverria-Siebert-2011 Smirnov-Cheung-2009
CCL5	SORL1	0.014419292099773884	Co-expression	Smirnov-Cheung-2009
PGM1	TUFM	0.014397528488188982	Co-expression	Arijs-Rutgeerts-2009 Innocenti-Brown-2011
IL7R	SH2B3	0.014360188506543636	Co-expression	Gysin-McMahon-2012
CCL5	PLCB2	0.014158986508846283	Co-expression	Chen-Brown-2002
FOXO3	SORL1	0.014051108621060848	Co-expression	Smirnov-Cheung-2009
MCM3AP	TTC31	0.013969558291137218	Co-expression	Bahr-Bowler-2013
E2F3	RRP15	0.013912156224250793	Co-expression	Wu-Garvey-2007
IFNGR1	CAT	0.01386654656380415	Co-expression	Wang-Maris-2006
CAT	SKAP2	0.013687653467059135	Co-expression	Cheok-Evans-2003
RASGRP1	USP14	0.013639891520142555	Co-expression	Bahr-Bowler-2013
PLCB2	SLC11A1	0.013602910563349724	Co-expression	Mallon-McKay-2013
SPI1	CAT	0.013561593368649483	Co-expression	Ramaswamy-Golub-2001
ID2	DERA	0.013559547252953053	Co-expression	Mallon-McKay-2013
CD2	CTSH	0.013488150667399168	Co-expression	Arijs-Rutgeerts-2009 Bild-Nevins-2006 B
INO80B	SPNS1	0.01345044281333685	Co-expression	Boldrick-Relman-2002
ALDH16A1	SPNS1	0.013203275389969349	Co-expression	Arijs-Rutgeerts-2009 Roth-Zlotnik-2006
ZMIZ2	GSDMB	0.012997182086110115	Co-expression	Innocenti-Brown-2011

PPIA	EIF5A	0.012874981388449669	Co-expression	Bild-Nevins-2006 B
TGM2	EIF5A	0.012811360880732536	Co-expression	Wu-Garvey-2007
ZBTB17	SORL1	0.012795963324606419	Co-expression	Chen-Brown-2002
IKZF1	UBASH3A	0.012717312201857567	Co-expression	Mallon-McKay-2013
CD2	CLEC2D	0.0126671576872468	Co-expression	Arijs-Rutgeerts-2009
ZBTB17	IKZF1	0.012660646345466375	Co-expression	Cheok-Evans-2003 Rieger-Chu-2004
IKZF1	APOBR	0.012266621924936771	Co-expression	Roth-Zlotnik-2006
PLCB2	IKZF1	0.01226610317826271	Co-expression	Cheok-Evans-2003
IFNGR1	SH2B3	0.012119842693209648	Co-expression	Kang-Willman-2010 Smirnov-Cheung-2009
PTPN22	CTSH	0.012030414305627346	Co-expression	Arijs-Rutgeerts-2009
TYK2	CCL5	0.012011094018816948	Co-expression	Rieger-Chu-2004
FOXP3	CD226	0.011913172900676727	Co-expression	Mallon-McKay-2013
CAT	METTL21B	0.011862263083457947	Co-expression	Bild-Nevins-2006 B
IL18R1	PTPN22	0.011861293576657772	Co-expression	Bild-Nevins-2006 B
CAT	MTMR3	0.0117539307102561	Co-expression	Cheok-Evans-2003
SEC61G	RNF13	0.011732000857591629	Co-expression	Cheok-Evans-2003
SH2B1	METTL21B	0.011713654734194279	Co-expression	Mallon-McKay-2013
ZMIZ2	POLA2	0.011634564027190208	Co-expression	Bild-Nevins-2006 B
SULT1A2	INO80B	0.011589349247515202	Co-expression	Gysin-McMahon-2012
PTPN22	UBASH3A	0.011533057317137718	Co-expression	Mallon-McKay-2013
IRF8	AHCTF1	0.011526352725923061	Co-expression	Boldrick-Relman-2002
IL18R1	APOBR	0.011523514986038208	Co-expression	Mallon-McKay-2013
GABPA	ST6GAL1	0.01141014602035284	Co-expression	Wu-Garvey-2007
CCL5	SIRPG	0.011303743347525597	Co-expression	Innocenti-Brown-2011
TYMS	RMI2	0.011269140057265759	Co-expression	Innocenti-Brown-2011
CD2	NCOA1	0.011261033825576305	Co-expression	Rieger-Chu-2004
SPI1	SH2B3	0.011097798123955727	Co-expression	Ramaswamy-Golub-2001
SUOX	SKAP2	0.011076269671320915	Co-expression	Gysin-McMahon-2012
REL	IFNGR1	0.011010628193616867	Co-expression	Perou-Botstein-1999
SPI1	TYK2	0.010996104218065739	Co-expression	Bild-Nevins-2006 B
PRKCQ	IL7R	0.01090057473629713	Co-expression	Bild-Nevins-2006 B
TYK2	APOBR	0.010885266354307532	Co-expression	Bahr-Bowler-2013 Smirnov-Cheung-2009
APOBR	UBASH3A	0.010751836933195591	Co-expression	Salaverria-Siebert-2011
PGM1	RASGRP1	0.010726425796747208	Co-expression	Kang-Willman-2010
NFATC2	IKZF3	0.010706452652812004	Co-expression	Bahr-Bowler-2013
IFNGR1	APOBR	0.010676250793039799	Co-expression	Mallon-McKay-2013
PRKCQ	TYMS	0.010647069662809372	Co-expression	Ramaswamy-Golub-2001
REL	RASGRP1	0.010632326826453209	Co-expression	Wu-Garvey-2007
MAGED1	PGM1	0.010627910494804382	Co-expression	Smirnov-Cheung-2009
PCK2	SUOX	0.010591275990009308	Co-expression	Roth-Zlotnik-2006
SH2B1	ADCY3	0.010575560852885246	Co-expression	Bahr-Bowler-2013
TTC31	GSDMB	0.010531545616686344	Co-expression	Roth-Zlotnik-2006
REL	ID2	0.010523595847189426	Co-expression	Boldrick-Relman-2002
PCK2	DERA	0.01049959659576416	Co-expression	Chen-Brown-2002 Roth-Zlotnik-2006
IL18R1	SLC11A1	0.010428459383547306	Co-expression	Mallon-McKay-2013
GABPA	ZMYM5	0.01042631920427084	Co-expression	Mallon-McKay-2013
TYMS	EIF5A	0.010331621393561363	Co-expression	Ramaswamy-Golub-2001
IRF8	IFNGR1	0.010192946530878544	Co-expression	Rieger-Chu-2004
DERA	SLC39A8	0.010189604945480824	Co-expression	Innocenti-Brown-2011
CD2	IKZF3	0.01018591970205307	Co-expression	Bahr-Bowler-2013
ITK	REL	0.010166744701564312	Co-expression	Smirnov-Cheung-2009
CD2	NFATC2	0.010039962828159332	Co-expression	Roth-Zlotnik-2006
ITK	IRF8	0.009992800652980804	Co-expression	Bild-Nevins-2006 B

ITK	SEC61G	0.009967878460884094	Co-expression	Cheok-Evans-2003
NCOA1	SKAP2	0.009950568899512291	Co-expression	Rieger-Chu-2004
MAGED1	IP6K2	0.009917962364852428	Co-expression	Smirnov-Cheung-2009
IFNGR1	PGM1	0.009905287995934486	Co-expression	Bild-Nevins-2006 B
RPL30	SIRPG	0.009858840145170689	Co-expression	Gysin-McMahon-2012
CAT	SLC39A8	0.009750649333000183	Co-expression	Wang-Maris-2006
UBASH3A	CTLA4	0.009741398505866528	Co-expression	Salaverria-Siebert-2011
CCL5	IKZF1	0.009732325561344624	Co-expression	Innocenti-Brown-2011
IL7R	CTLA4	0.009598388336598873	Co-expression	Arijs-Rutgeerts-2009
IFNGR1	MTMR3	0.009566869586706161	Co-expression	Wu-Garvey-2007
CCL5	APOBR	0.00952369999140501	Co-expression	Mallon-McKay-2013
ZBTB17	TMUB2	0.009429453872144222	Co-expression	Mallon-McKay-2013
RASGRP1	TYMS	0.00939763244241476	Co-expression	Ramaswamy-Golub-2001
PGM1	PCK2	0.009386831894516945	Co-expression	Rieger-Chu-2004
REL	CD226	0.009355559013783932	Co-expression	Smirnov-Cheung-2009
TGM2	SEC61G	0.009337040595710278	Co-expression	Arijs-Rutgeerts-2009
ALDH16A1	NFATC2	0.009324837476015091	Co-expression	Roth-Zlotnik-2006
TGM2	CCL5	0.009251570329070091	Co-expression	Bild-Nevins-2006 B
IFIH1	SLC11A1	0.009244478307664394	Co-expression	Alizadeh-Staudt-2000
FOXO3	RAB3GAP1	0.009229028597474098	Co-expression	Wang-Maris-2006
GABPA	SLC39A8	0.00920579768717289	Co-expression	Smirnov-Cheung-2009
SH2B3	PTPN22	0.009144132025539875	Co-expression	Bild-Nevins-2006 B
DERA	CENPW	0.009088684804737568	Co-expression	Bahr-Bowler-2013
RPL30	EIF5A	0.009071827866137028	Co-expression	Kang-Willman-2010
RNF13	MTMR3	0.009068824350833893	Co-expression	Wu-Garvey-2007
CCL5	IL18R1	0.009004144929349422	Co-expression	Bild-Nevins-2006 B
CTLA4	SIRPG	0.00896638073027134	Co-expression	Salaverria-Siebert-2011
PRKCQ	ST6GAL1	0.008944472298026085	Co-expression	Boldrick-Relman-2002
SEC61G	TYMS	0.008927077986299992	Co-expression	Bild-Nevins-2006 B
GABPA	RPL30	0.008912409655749798	Co-expression	Roth-Zlotnik-2006
PRKCQ	METTL21B	0.008850951679050922	Co-expression	Smirnov-Cheung-2009
IFNGR1	SEC61G	0.008833484724164009	Co-expression	Wu-Garvey-2007
APOBR	SIRPG	0.008795032277703285	Co-expression	Salaverria-Siebert-2011
TYK2	PLCB2	0.00877378974109888	Co-expression	Bahr-Bowler-2013
SH2B1	EIF5A	0.008741631172597408	Co-expression	Bahr-Bowler-2013
ID2	RASGRP1	0.008711871691048145	Co-expression	Rieger-Chu-2004
ALDH16A1	GSDMB	0.008661599829792976	Co-expression	Roth-Zlotnik-2006
GABPA	IKZF3	0.008605744456872344	Co-expression	Salaverria-Siebert-2011 Smirnov-Cheung-2009
PGM1	FHL3	0.008585658855736256	Co-expression	Roth-Zlotnik-2006
ITK	IL18R1	0.008496636524796486	Co-expression	Bild-Nevins-2006 B
TTC31	SKAP2	0.008490120060741901	Co-expression	Ramaswamy-Golub-2001
ITK	CTSH	0.008465060964226723	Co-expression	Bild-Nevins-2006 B
SUOX	XRCC6BP1	0.008455718867480755	Co-expression	Innocenti-Brown-2011
PRKCQ	NFATC2	0.008447380736470222	Co-expression	Bahr-Bowler-2013
PLCB2	CAT	0.008415882475674152	Co-expression	Ramaswamy-Golub-2001
PRKCQ	SIRPG	0.008321817964315414	Co-expression	Salaverria-Siebert-2011
CAT	IKZF3	0.0082901231944561	Co-expression	Smirnov-Cheung-2009
GABPA	SMARCE1	0.008289786987006664	Co-expression	Ramaswamy-Golub-2001
SH2B1	TTC31	0.008284036070108414	Co-expression	Kang-Willman-2010
CD2	APOBR	0.008212449960410595	Co-expression	Salaverria-Siebert-2011
IRF8	PTPN22	0.008202282711863518	Co-expression	Bild-Nevins-2006 B
CD2	SUOX	0.0080508291721344	Co-expression	Smirnov-Cheung-2009
IRF8	CLEC2D	0.0079262750223279	Co-expression	Roth-Zlotnik-2006
FOXO3	IL18R1	0.00791889801621437	Co-expression	Smirnov-Cheung-2009
IRF8	CD226	0.007877533324062824	Co-expression	Smirnov-Cheung-2009
SPI1	IKZF1	0.007830102927982807	Co-expression	Gysin-McMahon-2012

PTPN22	SIRPG	0.007812138646841049	Co-expression	Salaverria-Siebert-2011
CENPW	RMI2	0.007737091742455959	Co-expression	Kang-Willman-2010
ALDH16A1	DERA	0.007586297579109669	Co-expression	Kang-Willman-2010
SH2B1	TMUB2	0.0075582596473395824	Co-expression	Ramaswamy-Golub-2001
SEC61G	PGM1	0.007539581041783094	Co-expression	Bild-Nevins-2006 B
ALDH16A1	MOGS	0.0075016627088189125	Co-expression	Arijs-Rutgeerts-2009
GABPA	CAT	0.007478476967662573	Co-expression	Smirnov-Cheung-2009
PGM1	SUOX	0.007385883945971727	Co-expression	Arijs-Rutgeerts-2009
IRF8	SKAP2	0.00738562410697341	Co-expression	Roth-Zlotnik-2006
TUFM	EIF5A	0.007337783928960562	Co-expression	Salaverria-Siebert-2011
ERBB3	METTL21B	0.007248118985444307	Co-expression	Smirnov-Cheung-2009
IFIH1	CLEC2D	0.007111018989235163	Co-expression	Alizadeh-Staudt-2000
PGM1	XRCC6BP1	0.00707494281232357	Co-expression	Arijs-Rutgeerts-2009
SUOX	TTC31	0.007064169272780418	Co-expression	Innocenti-Brown-2011
SH2B3	SLC39A8	0.007054286077618599	Co-expression	Kang-Willman-2010
SH2B1	MCM3AP	0.007047213148325682	Co-expression	Bahr-Bowler-2013
IKZF3	ZMYM5	0.007034849375486374	Co-expression	Smirnov-Cheung-2009
ZBTB17	MCM3AP	0.0068222107365727425	Co-expression	Rieger-Chu-2004
RASGRP1	PTPN22	0.006816578097641468	Co-expression	Arijs-Rutgeerts-2009
NCOA1	PRKCQ	0.006794250104576349	Co-expression	Boldrick-Relman-2002
ITK	CD226	0.006758754141628742	Co-expression	Arijs-Rutgeerts-2009
RNF13	CAT	0.006718858610838652	Co-expression	Bild-Nevins-2006 B
REL	TYK2	0.006681726314127445	Co-expression	Ramaswamy-Golub-2001
ZMIZ2	SH2B1	0.006621884182095528	Co-expression	Bahr-Bowler-2013
POLA2	MCM3AP	0.006615399848669767	Co-expression	Mallon-McKay-2013
IRF8	CCL5	0.006607691291719675	Co-expression	Chen-Brown-2002
NCOA1	FOXO3	0.006456438917666674	Co-expression	Wang-Maris-2006
CD2	IRF8	0.006393550895154476	Co-expression	Arijs-Rutgeerts-2009
IL18R1	IKZF1	0.006316994316875935	Co-expression	Rieger-Chu-2004
CD2	C1QTNF6	0.006282837130129337	Co-expression	Boldrick-Relman-2002
SEC61G	USP14	0.00627343961969018	Co-expression	Wu-Garvey-2007
PGM1	ID2	0.00626640347763896	Co-expression	Arijs-Rutgeerts-2009
MAGED1	ID2	0.00626518065109849	Co-expression	Mallon-McKay-2013
ITK	ST6GAL1	0.006173106376081705	Co-expression	Bild-Nevins-2006 B
ITK	IKZF3	0.0061540608294308186	Co-expression	Arijs-Rutgeerts-2009
RPL30	PGM1	0.006028426345437765	Co-expression	Wu-Garvey-2007
RNF13	MOGS	0.00596361979842186	Co-expression	Ramaswamy-Golub-2001
DERA	FAHD1	0.0059528956189751625	Co-expression	Arijs-Rutgeerts-2009
TUFM	TSFM	0.005945311859250069	Co-expression	Mallon-McKay-2013
JAK3	IL18R1	0.005904792342334986	Co-expression	Rieger-Chu-2004
GRAMD1B	CLEC2D	0.0056426930241286755	Co-expression	Alizadeh-Staudt-2000
IL7R	PLCB2	0.005511614494025707	Co-expression	Bild-Nevins-2006 B
NCOA1	PCK2	0.005506797693669796	Co-expression	Arijs-Rutgeerts-2009
PGM1	IP6K2	0.005491278134286404	Co-expression	Arijs-Rutgeerts-2009
ID2	CLEC2D	0.005442730151116848	Co-expression	Smirnov-Cheung-2009
CD226	SUOX	0.005428740754723549	Co-expression	Wang-Maris-2006
IRF8	IL18R1	0.005424750968813896	Co-expression	Chen-Brown-2002
GABPA	CLEC2D	0.0053476146422326565	Co-expression	Salaverria-Siebert-2011
IFIH1	CD226	0.005317425820976496	Co-expression	Wang-Maris-2006
TUBB6	CD276	0.005194416735321283	Co-expression	Arijs-Rutgeerts-2009
IFIH1	GRAMD1B	0.005175498779863119	Co-expression	Alizadeh-Staudt-2000
PRKCQ	IKZF1	0.004930284805595875	Co-expression	Boldrick-Relman-2002
MAGED1	MEIS2	0.004896289668977261	Co-expression	Arijs-Rutgeerts-2009
TFF1	MAGED1	0.004824381787329912	Co-expression	Arijs-Rutgeerts-2009
CD2	SPI1	0.004762423224747181	Co-expression	Bild-Nevins-2006 B
SULT1A2	ORMDL3	0.004761890973895788	Co-expression	Arijs-Rutgeerts-2009
TUFM	PPIA	0.004704103688709438	Co-expression	Cheok-Evans-2003

RASGRP1	IKZF3	0.004675924777984619	Co-expression	Arijs-Rutgeerts-2009
TUFM	POLA2	0.004593787249177694	Co-expression	Smirnov-Cheung-2009
IL7R	GRAMD1B	0.004424271173775196	Co-expression	Smirnov-Cheung-2009
GABPA	SKAP2	0.0042104776948690414	Co-expression	Salaverria-Siebert-2011
PCK2	SORL1	0.00417799549177289	Co-expression	Chen-Brown-2002
PGM1	PPIA	0.004053525160998106	Co-expression	Cheok-Evans-2003
TYK2	MOGS	0.003933972679078579	Co-expression	Smirnov-Cheung-2009
ZBTB17	REL	0.003886328311637044	Co-expression	Cheok-Evans-2003
SULT1A2	FAHD1	0.0038691284134984016	Co-expression	Arijs-Rutgeerts-2009
ZBTB17	GRAMD1B	0.0038295008707791567	Co-expression	Cheok-Evans-2003
IFNGR1	USP14	0.0037992382422089577	Co-expression	Wu-Garvey-2007
TYK2	SH2B1	0.003768728580325842	Co-expression	Smirnov-Cheung-2009
IRF8	RASGRP1	0.003624019445851445	Co-expression	Arijs-Rutgeerts-2009
ZBTB17	SLC11A1	0.003610295010730624	Co-expression	Cheok-Evans-2003
TYK2	SUOX	0.0029194250237196684	Co-expression	Smirnov-Cheung-2009
CAT	DERA	0.00267642829567194	Co-expression	Innocenti-Brown-2011
GABPA	ZNF280D	0.002529641380533576	Co-expression	Bahr-Bowler-2013
SEC61G	PPIA	0.0022619073279201984	Co-expression	Cheok-Evans-2003
ZBTB17	METTL21B	0.002239674562588334	Co-expression	Cheok-Evans-2003
PCK2	TTC31	0.001974857412278652	Co-expression	Arijs-Rutgeerts-2009
PCK2	GRAMD1B	0.0017839045030996203	Co-expression	Arijs-Rutgeerts-2009
DERA	SULT1A2	0.0017262378241866827	Co-expression	Arijs-Rutgeerts-2009
PCK2	SULT1A2	0.001047512167133391	Co-expression	Arijs-Rutgeerts-2009
IRF8	IKZF3	0.02168397605419159	Co-localization	Johnson-Shoemaker-2003
CAT	SULT1A2	0.01781981997191906	Co-localization	Johnson-Shoemaker-2003
SULT1A2	GSDMB	0.016230976209044456	Co-localization	Johnson-Shoemaker-2003
SPI1	SKAP2	0.016204429790377617	Co-localization	Johnson-Shoemaker-2003
SPI1	SLC11A1	0.015560783445835114	Co-localization	Johnson-Shoemaker-2003
CTSH	CTLA4	0.014873797073960304	Co-localization	Johnson-Shoemaker-2003
CD226	CTLA4	0.013396574184298515	Co-localization	Johnson-Shoemaker-2003
NFATC2	CTLA4	0.013388114050030708	Co-localization	Johnson-Shoemaker-2003
CD2	ZNF280D	0.012928849086165428	Co-localization	Johnson-Shoemaker-2003
JAK3	CTLA4	0.012476816773414612	Co-localization	Johnson-Shoemaker-2003
IL7R	ZNF280D	0.012293418869376183	Co-localization	Johnson-Shoemaker-2003
IRF8	CLEC2D	0.012200339697301388	Co-localization	Johnson-Shoemaker-2003
SPI1	APOBR	0.011624746955931187	Co-localization	Johnson-Shoemaker-2003
ITK	JAK3	0.011574250645935535	Co-localization	Johnson-Shoemaker-2003
ITK	ZNF280D	0.011291380040347576	Co-localization	Johnson-Shoemaker-2003
CLEC2D	IKZF3	0.011110509745776653	Co-localization	Johnson-Shoemaker-2003
IL18R1	SLC11A1	0.011087066493928432	Co-localization	Johnson-Shoemaker-2003
IL18R1	CTSH	0.010853729210793972	Co-localization	Johnson-Shoemaker-2003
CCL5	CD226	0.010523752309381962	Co-localization	Johnson-Shoemaker-2003
IFIH1	IKZF3	0.010288962163031101	Co-localization	Johnson-Shoemaker-2003
CLEC2D	INO80B	0.010042316280305386	Co-localization	Johnson-Shoemaker-2003
CD2	ITK	0.0100296875461936	Co-localization	Johnson-Shoemaker-2003
ITK	UBASH3A	0.009904654696583748	Co-localization	Johnson-Shoemaker-2003
TGM2	TNP2	0.009477600455284119	Co-localization	Johnson-Shoemaker-2003
ITK	IL7R	0.009427458979189396	Co-localization	Johnson-Shoemaker-2003
IL7R	IL18R1	0.008711078204214573	Co-localization	Johnson-Shoemaker-2003
IFNGR1	IL18R1	0.00863247737288475	Co-localization	Johnson-Shoemaker-2003
CD2	IP6K2	0.008623519912362099	Co-localization	Johnson-Shoemaker-2003
CD2	IL7R	0.008455722592771053	Co-localization	Johnson-Shoemaker-2003
CD2	UBASH3A	0.008316789753735065	Co-localization	Johnson-Shoemaker-2003
ITK	CTLA4	0.007933453656733036	Co-localization	Johnson-Shoemaker-2003
PTPN22	UBASH3A	0.007085282355546951	Co-localization	Johnson-Shoemaker-2003
CD2	GSDMB	0.006789857055991888	Co-localization	Johnson-Shoemaker-2003

CCL5	PLCB2	0.006718582008033991	Co-localization	Johnson-Shoemaker-2003
JAK3	CCL5	0.006480749696493149	Co-localization	Johnson-Shoemaker-2003
SEC61G	TNP2	0.005798462778329849	Co-localization	Johnson-Shoemaker-2003
CTLA4	CLEC2D	0.005361846648156643	Co-localization	Johnson-Shoemaker-2003
CD2	PTPN22	0.00533391023054719	Co-localization	Johnson-Shoemaker-2003
RNF13	UBASH3A	0.010814356617629528	Genetic interactions	Lin-Smith-2010
TSMF	TNP2	0.01046081818640232	Genetic interactions	Lin-Smith-2010
PLCB2	SLC11A1	0.008428666740655899	Genetic interactions	Lin-Smith-2010
ST6GAL1	SLC11A1	0.008275186643004417	Genetic interactions	Lin-Smith-2010
RRP15	SLC11A1	0.0043106684461236	Genetic interactions	Lin-Smith-2010
ITK	RNLS	0.0033086249604821205	Genetic interactions	Lin-Smith-2010
IL7R	EIF5A	0.0032172466162592173	Genetic interactions	Lin-Smith-2010
SH2B1	TMUB2	0.0031608424615114927	Genetic interactions	Lin-Smith-2010
CTSH	METTL21B	0.003114080987870693	Genetic interactions	Lin-Smith-2010
NCOA1	TUFM	0.0030595024581998587	Genetic interactions	Lin-Smith-2010
SEC61G	CD276	0.003036290407180786	Genetic interactions	Lin-Smith-2010
ZMIZ2	TYMS	0.0028663629200309515	Genetic interactions	Lin-Smith-2010
PCK2	RNF13	0.0027515480760484934	Genetic interactions	Lin-Smith-2010
PRKCQ	SLC11A1	0.0026929217856377363	Genetic interactions	Lin-Smith-2010
SH2B3	TNP2	0.002607845701277256	Genetic interactions	Lin-Smith-2010
SKAP2	CTLA4	0.002604634501039982	Genetic interactions	Lin-Smith-2010
SH2B3	TUBB6	0.0025106745306402445	Genetic interactions	Lin-Smith-2010
TSMF	ZMYM5	0.0024520757142454386	Genetic interactions	Lin-Smith-2010
EIF5A	TEX9	0.0024156232830137014	Genetic interactions	Lin-Smith-2010
PCK2	CAT	0.0023755126167088747	Genetic interactions	Lin-Smith-2010
ZBTB17	ALDH16A1	0.002177610993385315	Genetic interactions	Lin-Smith-2010
IFNGR1	ST6GAL1	0.00204680603928864	Genetic interactions	Lin-Smith-2010
CD2	TEX9	0.0020373049192130566	Genetic interactions	Lin-Smith-2010
NCOA1	EIF5A	0.0020233886316418648	Genetic interactions	Lin-Smith-2010
RRP15	CENPW	0.0019957071635872126	Genetic interactions	Lin-Smith-2010
SPI1	MTMR3	0.0018902544397860765	Genetic interactions	Lin-Smith-2010
RAB3GAP1	C1QTNF6	0.001877535949461162	Genetic interactions	Lin-Smith-2010
DERA	EIF5A	0.0018259042408317327	Genetic interactions	Lin-Smith-2010
CD2	SH2B3	0.0017471545143052936	Genetic interactions	Lin-Smith-2010
RAB3GAP1	PLCB2	0.001713719218969345	Genetic interactions	Lin-Smith-2010
ST6GAL1	RMI2	0.0016555330948904157	Genetic interactions	Lin-Smith-2010
TGM2	SMARCE1	0.0016341335140168667	Genetic interactions	Lin-Smith-2010
SORL1	CENPW	0.0016281252028420568	Genetic interactions	Lin-Smith-2010
PLCB2	IP6K2	0.001591619336977601	Genetic interactions	Lin-Smith-2010
E2F3	SLC39A8	0.0015899051213636994	Genetic interactions	Lin-Smith-2010
MCM3AP	IP6K2	0.0015798455569893122	Genetic interactions	Lin-Smith-2010
ZMIZ2	NCOA7	0.0015728067373856902	Genetic interactions	Lin-Smith-2010
POLA2	SLC39A8	0.001512095332145691	Genetic interactions	Lin-Smith-2010
ID2	TUBB6	0.0014830409782007337	Genetic interactions	Lin-Smith-2010
ZBTB17	REL	0.0014724957291036844	Genetic interactions	Lin-Smith-2010
IFIH1	ZNF280D	0.0014660382876172662	Genetic interactions	Lin-Smith-2010
REL	CAT	0.0014629913493990898	Genetic interactions	Lin-Smith-2010
AHCTF1	RMI2	0.0014049492310732603	Genetic interactions	Lin-Smith-2010
SH2B3	MCM3AP	0.001395310857333243	Genetic interactions	Lin-Smith-2010
MAGED1	NFATC2	0.0013801415916532278	Genetic interactions	Lin-Smith-2010
IRF8	AHCTF1	0.0013684927253052592	Genetic interactions	Lin-Smith-2010
ID2	ORMDL3	0.0013472364516928792	Genetic interactions	Lin-Smith-2010
ZMIZ2	CD226	0.0012864673044532537	Genetic interactions	Lin-Smith-2010
PCK2	CTSH	0.001277188421227038	Genetic interactions	Lin-Smith-2010
ALDH16A1	ZNF280D	0.0012575557921081781	Genetic interactions	Lin-Smith-2010
CD2	SORL1	0.0012343884445726871	Genetic interactions	Lin-Smith-2010
IKZF3	NCOA7	0.001232045004144311	Genetic interactions	Lin-Smith-2010

IFNGR1	SKAP2	0.0012273575412109494	Genetic interactions	Lin-Smith-2010
REL	IRF8	0.0012244719546288252	Genetic interactions	Lin-Smith-2010
SORL1	TYMS	0.001215946744196117	Genetic interactions	Lin-Smith-2010
PCK2	SORL1	0.0012022079899907112	Genetic interactions	Lin-Smith-2010
IL7R	CD226	0.001199613674543798	Genetic interactions	Lin-Smith-2010
RMI2	TEX9	0.001161180785857141	Genetic interactions	Lin-Smith-2010
ALDH16A1	ZMYM5	0.0011412168387323618	Genetic interactions	Lin-Smith-2010
NFATC2	PCK2	0.001135815167799592	Genetic interactions	Lin-Smith-2010
ZMIZ2	SLC39A8	0.001097699860110879	Genetic interactions	Lin-Smith-2010
ST6GAL1	SLC39A8	0.0010957441991195083	Genetic interactions	Lin-Smith-2010
RPL30	RASGRP1	0.001073361374437809	Genetic interactions	Lin-Smith-2010
RPL30	DERA	0.0010670361807569861	Genetic interactions	Lin-Smith-2010
TMUB2	RMI2	0.0010404177010059357	Genetic interactions	Lin-Smith-2010
NFATC2	PGM1	0.0010341559536755085	Genetic interactions	Lin-Smith-2010
NFATC2	PTPN22	0.0010216999799013138	Genetic interactions	Lin-Smith-2010
ID2	TYMS	0.0010166155407205224	Genetic interactions	Lin-Smith-2010
RAB3GAP1	SH2B3	0.0010120357619598508	Genetic interactions	Lin-Smith-2010
IFNGR1	CLEC2D	0.001007738639600575	Genetic interactions	Lin-Smith-2010
SKAP2	TEX9	9.650138090364635E-4	Genetic interactions	Lin-Smith-2010
PLCB2	RNLS	9.620896307751536E-4	Genetic interactions	Lin-Smith-2010
JAK3	CD226	9.509664378128946E-4	Genetic interactions	Lin-Smith-2010
RNF13	SORL1	9.483971516601741E-4	Genetic interactions	Lin-Smith-2010
CD2	PRKCQ	9.452354279346764E-4	Genetic interactions	Lin-Smith-2010
NCOA1	NCOA7	9.223865927197039E-4	Genetic interactions	Lin-Smith-2010
ID2	C1QTNF6	9.097180445678532E-4	Genetic interactions	Lin-Smith-2010
REL	RRP15	9.075552807189524E-4	Genetic interactions	Lin-Smith-2010
CTSH	SUOX	9.051405359059572E-4	Genetic interactions	Lin-Smith-2010
ID2	PTPN22	9.041438461281359E-4	Genetic interactions	Lin-Smith-2010
MEIS2	MCM3AP	9.016259573400021E-4	Genetic interactions	Lin-Smith-2010
RAB3GAP1	RASGRP1	8.97296704351902E-4	Genetic interactions	Lin-Smith-2010
RASGRP1	SMARCE1	8.862638496793807E-4	Genetic interactions	Lin-Smith-2010
SH2B3	TMUB2	8.673298871144652E-4	Genetic interactions	Lin-Smith-2010
FOXO3	ZNF280D	8.622385794296861E-4	Genetic interactions	Lin-Smith-2010
SEC61G	RMI2	8.60538159031421E-4	Genetic interactions	Lin-Smith-2010
RPL30	SORL1	8.553151856176555E-4	Genetic interactions	Lin-Smith-2010
ID2	PLCB2	8.303443319164217E-4	Genetic interactions	Lin-Smith-2010
NFATC2	IFNGR1	8.217932190746069E-4	Genetic interactions	Lin-Smith-2010
SEC61G	NCOA7	8.160808938555419E-4	Genetic interactions	Lin-Smith-2010
SMARCE1	ZNF280D	8.111109491437674E-4	Genetic interactions	Lin-Smith-2010
LYRM2	TEX9	7.968718418851495E-4	Genetic interactions	Lin-Smith-2010
IFNGR1	MEIS2	7.955534965731204E-4	Genetic interactions	Lin-Smith-2010
IRF8	CLEC2D	7.939459173940122E-4	Genetic interactions	Lin-Smith-2010
MTMR3	NCOA7	7.906492683105171E-4	Genetic interactions	Lin-Smith-2010
MTMR3	IP6K2	7.869389955885708E-4	Genetic interactions	Lin-Smith-2010
REL	ZMYM5	7.716882973909378E-4	Genetic interactions	Lin-Smith-2010
RRP15	TMUB2	7.511278381571174E-4	Genetic interactions	Lin-Smith-2010
CTSH	SMARCE1	7.502718945033848E-4	Genetic interactions	Lin-Smith-2010
SEC61G	TMUB2	7.495132740586996E-4	Genetic interactions	Lin-Smith-2010
ID2	SUOX	7.123326067812741E-4	Genetic interactions	Lin-Smith-2010
IP6K2	ZMYM5	6.921397289261222E-4	Genetic interactions	Lin-Smith-2010
ID2	CAT	6.845617899671197E-4	Genetic interactions	Lin-Smith-2010
SH2B3	LYRM2	6.83382386341691E-4	Genetic interactions	Lin-Smith-2010
IRF8	RNLS	6.638608174398541E-4	Genetic interactions	Lin-Smith-2010
NCOA1	CLEC2D	6.636825273744762E-4	Genetic interactions	Lin-Smith-2010
SH2B3	SLC39A8	6.590926204808056E-4	Genetic interactions	Lin-Smith-2010
RAB3GAP1	MEIS2	6.539601017720997E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	SUOX	6.524223717860878E-4	Genetic interactions	Lin-Smith-2010

NFATC2	IRF8	6.474489928223193E-4	Genetic interactions	Lin-Smith-2010
NCOA1	SLC39A8	6.437559495680034E-4	Genetic interactions	Lin-Smith-2010
IP6K2	RNLS	6.433026865124702E-4	Genetic interactions	Lin-Smith-2010
CD226	CLEC2D	6.3225970370695E-4	Genetic interactions	Lin-Smith-2010
NFATC2	NCOA7	6.303572445176542E-4	Genetic interactions	Lin-Smith-2010
CD226	SLC39A8	6.132766138762236E-4	Genetic interactions	Lin-Smith-2010
JAK3	ID2	6.036955746822059E-4	Genetic interactions	Lin-Smith-2010
NCOA1	ZMYM5	5.970695056021214E-4	Genetic interactions	Lin-Smith-2010
SEC61G	LYRM2	5.905528669245541E-4	Genetic interactions	Lin-Smith-2010
ID2	RMI2	5.882173427380621E-4	Genetic interactions	Lin-Smith-2010
SEC61G	CLEC2D	5.871926550753415E-4	Genetic interactions	Lin-Smith-2010
RRP15	ZNF280D	5.83362765610218E-4	Genetic interactions	Lin-Smith-2010
FOXO3	PRKCQ	5.748819094151258E-4	Genetic interactions	Lin-Smith-2010
IRF8	ID2	5.729538970626891E-4	Genetic interactions	Lin-Smith-2010
NCOA1	RNLS	5.54940605070442E-4	Genetic interactions	Lin-Smith-2010
CLEC2D	ZNF280D	5.513699143193662E-4	Genetic interactions	Lin-Smith-2010
NCOA1	NFATC2	5.412214668467641E-4	Genetic interactions	Lin-Smith-2010
RRP15	ZMYM5	5.293947760947049E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	TEX9	5.237029981799424E-4	Genetic interactions	Lin-Smith-2010
SORL1	DERA	5.169466021470726E-4	Genetic interactions	Lin-Smith-2010
DERA	RNLS	5.007779109291732E-4	Genetic interactions	Lin-Smith-2010
MEIS2	CD226	4.991338355466723E-4	Genetic interactions	Lin-Smith-2010
CTSH	SLC39A8	4.94700507260859E-4	Genetic interactions	Lin-Smith-2010
SLC39A8	ZMYM5	4.853386781178415E-4	Genetic interactions	Lin-Smith-2010
SORL1	CLEC2D	4.800717288162559E-4	Genetic interactions	Lin-Smith-2010
NFATC2	SEC61G	4.788453516084701E-4	Genetic interactions	Lin-Smith-2010
CLEC2D	RNLS	4.650563932955265E-4	Genetic interactions	Lin-Smith-2010
CTSH	ZMYM5	4.588238662108779E-4	Genetic interactions	Lin-Smith-2010
NFATC2	LYRM2	4.561549285426736E-4	Genetic interactions	Lin-Smith-2010
NFATC2	SLC39A8	4.399416211526841E-4	Genetic interactions	Lin-Smith-2010
MEIS2	CLEC2D	4.3907732469961047E-4	Genetic interactions	Lin-Smith-2010
NCOA1	PRKCQ	4.386671935208142E-4	Genetic interactions	Lin-Smith-2010
SEC61G	ID2	4.237497050780803E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	DERA	3.958528977818787E-4	Genetic interactions	Lin-Smith-2010
ID2	CTSH	3.680528898257762E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	CLEC2D	3.6761589581146836E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	SLC39A8	3.565785300452262E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	CTSH	3.370980266481638E-4	Genetic interactions	Lin-Smith-2010
NFATC2	ID2	3.2731276587583125E-4	Genetic interactions	Lin-Smith-2010
ID2	MEIS2	3.1686172587797046E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	RNLS	3.073833941016346E-4	Genetic interactions	Lin-Smith-2010
PRKCQ	MEIS2	2.90212279651314E-4	Genetic interactions	Lin-Smith-2010
FOXP3	CTLA4	0.6127323508262634	Pathway	PATHWAYCOMMONS- NCI_NATURE
IRF8	SLC11A1	0.49087852239608765	Pathway	PATHWAYCOMMONS- NCI_NATURE
MAGED1	SH2B1	0.48830872774124146	Pathway	PATHWAYCOMMONS- NCI_NATURE
E2F3	TYMS	0.43603411316871643	Pathway	PATHWAYCOMMONS- NCI_NATURE
FOXO3	CAT	0.3885018527507782	Pathway	PATHWAYCOMMONS- NCI_NATURE
PRKCQ	RASGRP1	0.3854967951774597	Pathway	PATHWAYCOMMONS- NCI_NATURE
TGM2	PLCB2	0.33448874950408936	Pathway	PATHWAYCOMMONS- NCI_NATURE
TFF1	NCOA7	0.31846845149993896	Pathway	PATHWAYCOMMONS- NCI_NATURE

NCOA1	PCK2	0.31782108545303345	Pathway	PATHWAYCOMMONS-NCI_NATURE
ZMIZ2	SMARCE1	0.2833462059497833	Pathway	PATHWAYCOMMONS-NCI_NATURE
NFATC2	IKZF1	0.27930954098701477	Pathway	PATHWAYCOMMONS-NCI_NATURE
SPI1	SLC11A1	0.1795535683631897	Pathway	PATHWAYCOMMONS-NCI_NATURE
SPI1	IRF8	0.13694457709789276	Pathway	PATHWAYCOMMONS-NCI_NATURE
NFATC2	CTLA4	0.12709204852581024	Pathway	PATHWAYCOMMONS-NCI_NATURE
ZBTB17	SLC11A1	0.10805458575487137	Pathway	PATHWAYCOMMONS-NCI_NATURE
ZBTB17	CCL5	0.1025533601641655	Pathway	PATHWAYCOMMONS-NCI_NATURE
ZBTB17	IRF8	0.08241268992424011	Pathway	PATHWAYCOMMONS-NCI_NATURE
NFATC2	FOXP3	0.06357553601264954	Pathway	PATHWAYCOMMONS-NCI_NATURE
NCOA1	TFF1	0.054045841097831726	Pathway	PATHWAYCOMMONS-NCI_NATURE
JAK3	IKZF3	0.04374197497963905	Pathway	PATHWAYCOMMONS-NCI_NATURE
ZBTB17	SPI1	0.030144911259412766	Pathway	PATHWAYCOMMONS-NCI_NATURE
ALDH16A1	DERA	0.780371218919754	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
RPL30	USP14	0.6938933627679944	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
RAB3GAP1	NCOA7	0.5732397437095642	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
GABPA	NCOA7	0.40241606533527374	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
SH2B3	ERBB3	0.23524898290634155	Physical interactions	IREF-BIOGRID IREF-OPHID Jones-MacBeath-2006
JAK3	ERBB3	0.23191004991531372	Physical interactions	IREF-BIOGRID IREF-OPHID Jones-MacBeath-2006
IKZF1	IKZF3	0.22604342177510262	Physical interactions	IREF-BIOGRID IREF-OPHID
TYMS	EIF5A	0.19627023115754128	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
SPI1	IRF8	0.1831386350095272	Physical interactions	IREF-BIOGRID IREF-OPHID
ITK	ERBB3	0.17580731585621834	Physical interactions	IREF-BIOGRID IREF-OPHID Jones-MacBeath-2006
GABPA	RAB3GAP1	0.16878323629498482	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
ITK	PPIA	0.12656259164214134	Physical interactions	IREF-BIOGRID IREF-OPHID
FOXP3	IKZF3	0.09359157830476761	Physical interactions	IREF-BIOGRID
TUFM	TUBB6	0.08029520604759455	Physical interactions	IREF-BIOGRID Kristensen-Foster-2012
NFATC2	FOXP3	0.07983000576496124	Physical interactions	IREF-BIOGRID
ZBTB17	IRF8	0.07863284647464752	Physical interactions	IREF-BIOGRID
CD2	ITK	0.0715230256319046	Physical interactions	IREF-BIOGRID
METTL21B	TUBB6	0.06618018634617329	Physical interactions	Cloutier-Coulombe-2013 IREF-BIOGRID
NCOA1	SMARCE1	0.06392388977110386	Physical interactions	IREF-BIOGRID

IREF-OPHID

ZMIZ2	SMARCE1	0.04937649145722389	Physical interactions	IREF-BIOGRID
REL	FOXP3	0.0445537269115448	Physical interactions	IREF-BIOGRID
JAK3	TYK2	0.036235399544239044	Physical interactions	IREF-BIOGRID
IKZF1	SMARCE1	0.021849503740668297	Physical interactions	IREF-BIOGRID
PGM1	EIF5A	0.004777681548148394	Physical interactions	IREF-OPHID
REL	NCOA7	0.33064261078834534	Predicted	I2D-INNATEDB-Mouse2Human
IRF8	SLC11A1	0.2674780488014221	Predicted	I2D-INNATEDB-Mouse2Human
JAK3	MCM3AP	0.2671419382095337	Predicted	I2D-INNATEDB-Mouse2Human
GABPA	IL7R	0.25043606758117676	Predicted	I2D-INNATEDB-Mouse2Human
SPI1	IL7R	0.07819778472185135	Predicted	I2D-INNATEDB-Mouse2Human
SPI1	CCL5	0.06004568934440613	Predicted	I2D-INNATEDB-Mouse2Human
REL	CCL5	0.05676793307065964	Predicted	I2D-INNATEDB-Mouse2Human
IRF8	CCL5	0.04333760589361191	Predicted	I2D-INNATEDB-Mouse2Human
PGM1	GRAMD1B	0.03962595760822296	Predicted	Stuart-Kim-2003
SPI1	IRF8	0.01840747706592083	Predicted	I2D-INNATEDB-Mouse2Human
REL	IRF8	0.017402654513716698	Predicted	I2D-INNATEDB-Mouse2Human
SH2B3	SH2B1	0.1509973183274269	Shared protein domains	INTERPRO PFAM
REL	NFATC2	0.11418979242444038	Shared protein domains	INTERPRO PFAM
GRAMD1B	NCOA7	0.08239427581429482	Shared protein domains	INTERPRO PFAM
GABPA	SPI1	0.05240556225180626	Shared protein domains	INTERPRO PFAM
IL7R	SORL1	0.044364478439092636	Shared protein domains	PFAM
FOXO3	FOXP3	0.04206063970923424	Shared protein domains	INTERPRO PFAM
JAK3	TYK2	0.03933836240321398	Shared protein domains	INTERPRO PFAM
SIRPG	CD276	0.03277972340583801	Shared protein domains	INTERPRO PFAM
ITK	SKAP2	0.031044548377394676	Shared protein domains	INTERPRO PFAM
PRKCQ	RASGRP1	0.031036339700222015	Shared protein domains	INTERPRO PFAM
CD2	CTLA4	0.02751203067600727	Shared protein domains	INTERPRO PFAM
ITK	SH2B1	0.025778773240745068	Shared protein domains	INTERPRO PFAM
ITK	SH2B3	0.025778773240745068	Shared protein domains	INTERPRO PFAM
USP14	TMUB2	0.022260164842009544	Shared protein domains	INTERPRO
CD226	CTLA4	0.01492816861718893	Shared protein domains	PFAM
CD2	CD226	0.014394496567547321	Shared protein domains	PFAM
IFNGR1	IL7R	0.014232645742595196	Shared protein domains	INTERPRO
CLEC2D	CLECL1	0.013186519034206867	Shared protein domains	INTERPRO
MEIS2	LBX2	0.012812416069209576	Shared protein domains	INTERPRO PFAM
CTLA4	SIRPG	0.01265516597777605	Shared protein domains	INTERPRO
NCOA1	ID2	0.012469702865928411	Shared protein domains	INTERPRO PFAM
ITK	JAK3	0.011724168434739113	Shared protein domains	INTERPRO
ITK	TYK2	0.011724135838449001	Shared protein domains	INTERPRO
IKZF1	IKZF3	0.00898104882799089	Shared protein domains	INTERPRO PFAM
TGM2	SUOX	0.00832292065024376	Shared protein domains	INTERPRO
PTPN22	MTMR3	0.0063270325772464275	Shared protein domains	INTERPRO
IKZF1	ZNF280D	0.0038189806509763002	Shared protein domains	INTERPRO
IKZF3	ZNF280D	0.003642717143520713	Shared protein domains	INTERPRO

TYK2	ERBB3	0.0035431135911494493	Shared protein domains	PFAM
JAK3	ERBB3	0.0035431135911494493	Shared protein domains	PFAM

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