

**Table S1.** Genes that were expressed twofold stronger in WT cells than in NFATc12/2 splenic B cells

Gene	Protein
<i>1190002H23Rik</i>	
<i>1500005K14Rik</i>	
<i>2700078E11Rik</i>	
<i>4632428N05Rik</i>	
<i>6430548M08Rik</i>	
<i>Abhd6</i>	hydrolase domain containing 6
<i>Actn1</i>	actinin, alpha 1; alpha actinin 1a
<i>Adarb1</i>	adenosine deaminase, RNA-specific, B1; Adar2, Red1
<i>Adat1</i>	adenosine deaminase, tRNA-specific 1; mADAT1
<i>Armc9</i>	armadillo repeat containing 9
<i>Asph</i>	aspartate-beta-hydroxylase
<i>Atad5</i>	ATPase family, AAA domain containing 5; FRAG1, Gm17
<i>Ccnb1</i>	cyclin B1
<i>Cdgap</i>	CDC42 GTPase-activating protein
<i>Cln8</i>	ceroid-lipofuscinosis, neuronal 8
<i>Cpd</i>	carboxypeptidase D
<i>Csf1</i>	colony stimulating factor 1; CSF-1, M-CSF
<i>Cst7</i>	cystatin F, leukocystatin
<i>Egfl7</i>	EGF-like domain 7; VE-statin, Zneu1
<i>Fasl</i>	Fas ligand ; CD178
<i>Frmf8</i>	FERM domain containing 8
<i>H28</i>	histocompatibility 28; H28c minor histocompatibility antigen 1
<i>Hes5</i>	hairy and enhancer of split 5
<i>Infg</i>	interferon $\gamma$
<i>Ighmbp2</i>	immunoglobulin mu binding protein 2;
<i>Il2rb</i>	interleukin 2 receptor, beta chain; CD122, Il-2/15Rbeta
<i>Meg3</i>	maternally expressed 3
<i>Mto1</i>	mitochondrial translation optimization 1 homolog ( <i>S. cerevisiae</i> )
<i>Nr2f2</i>	nuclear receptor subfamily 2, group F, member 2; COUP-TF2
<i>Ntrk2</i>	neurotrophic tyrosine kinase, receptor, type 2
<i>Pard6g</i>	par-6 partitioning defective 6 homolog gamma
<i>Pitpnc1</i>	phosphatidylinositol transfer protein, cytoplasmic 1, RDGBB1, rdgB-beta
<i>Ptger2</i>	prostaglandin E receptor 2 (subtype EP2)
<i>Ptprs</i>	protein tyrosine phosphatase, receptor type, S; PTPsigma, Ptp9, R-PTP-S, RPTPsigma
<i>Ptprv</i>	protein tyrosine phosphatase, receptor type, V; Esp, OST, OST-PTP, mOST-PTP
<i>Pvt1</i>	plasmacytoma variant translocation 1; Mis-1, Mlvi-1, Pvt-1
<i>Rcan1</i>	regulator of calcineurin 1; DSC1, Dscr1, MCIP1, RCN1, calcipressin
<i>Serpinf1</i>	serine (or cysteine) peptidase inhibitor, clade F, member 1; EPC-1, Pedf, Pedfl, Sdf3
<i>Sh3rf1</i>	SH3 domain containing ring finger 1
<i>Shb</i>	src homology 2 domain-containing transforming protein B
<i>Spp1</i>	secreted phosphoprotein 1; osteopontin, Apl-1, BNSP, BSPI, Bsp, ETA-1, Eta, OP, Opn,
<i>Tacc2</i>	transforming, acidic coiled-coil containing protein 2
<i>Tbxa2r</i>	thromboxane A2 receptor; Tp receptor, TP, TXA2
<i>Tmem201</i>	transmembrane protein 201
<i>Tmtc4</i>	transmembrane and tetratricopeptide repeat containing 4
<i>Tnfaip2</i>	tumor necrosis factor, alpha-induced protein 2; Tnfip2, tnfb94
<i>Tnfsf14</i>	tumor necrosis factor (ligand) superfamily, member 14; Light, CD258, HVEM, LIGHT, LTg, <i>Tnpo2</i> transportin 2 (importin 3, karyopherin beta 2b); karyopherin (importin) beta 2b
<i>Tspan2</i>	tetraspanin 2
<i>Wnt10b</i>	wingless related MMTV integration site 10b; Wnt12
<i>Zfp192</i>	zinc finger protein 192
<i>Zfp787</i>	zinc finger protein 787; 7A1

Genes that were found to be more than twofold stronger expressed in WT than NFATc1<sup>-/-</sup> splenic B cells from *mb1-cre x Nfatc1<sup>tm1a</sup>* mice in three independent microarray assays. Gene and protein designations are from PubMed (Gene).

**Table S2.** Genes that were expressed twofold stronger in NFATc1<sup>-/-</sup> splenic B cells

Gene	Protein
<i>Arnt</i>	aryl hydrocarbon receptor; Drnt
<i>Aspm</i>	asp (abnormal spindle)-like, microcephaly associated; Calmbp1, Sha1
<i>B930041F14Rik</i>	
<i>Bcl2</i>	B-cell leukemia/lymphoma 2; anti-apoptotic activity
<i>Camp</i>	cathelicidin antimicrobial peptide; CAP18, Cramp
<i>Ccr5</i>	chemokine (C-C motif) receptor 5; HIV-co receptor, CD195, AM4-7, Cmkbr5
<i>Cd22</i>	CD22: Co-receptor on B2-cells
<i>Cd28</i>	CD28: Co-receptor, expressed on T cells
<i>Cd36</i>	fatty acid translocase; Fat, Scarb3
<i>Cd99l2</i>	CD199 antigen-like2; Xap89, Mic2l1
<i>Ciita</i>	class II transactivator
<i>Cpox</i>	coproporphyrinogen oxidase; CPX, Cpo
<i>Crisp3</i>	cysteine-rich secretory protein 3; Aeg2, CRISP-3
<i>Emid1</i>	EMI domain containing 1; Emu1
<i>Fcer2a</i>	CD23; Fc receptor, IgE, low affinity II, alpha polypeptide
<i>Fscn1</i>	ascin homolog 1, actin bundling protein; Fan1, fascin-1
<i>Grap2</i>	GRB2-related adaptor protein 2; GRAP-2, GRB2L
<i>Gsn</i>	Gelsolin; RP23-186B18.2, MGC28083
<i>H2-DMb2</i>	histocompatibility 2, class II, locus DMA; H-2Ma
<i>IgH-6</i>	immunoglobulin heavy chain 6 (heavy chain of IgM); IGHM, Igh-M
<i>Il10ra</i>	interleukin 10 receptor, alpha; mL-10R
<i>Lrrk2</i>	leucine-rich repeat kinase 2
<i>March1</i>	membrane-associated ring finger (C3HC4) 1
<i>Olf140</i>	olfactory receptor 140; Ora16, Olfr140
<i>P2ry10</i>	purinergic receptor P2Y, G-protein coupled 10; P2Y10
<i>Pp11r</i>	placental protein 11 related; Tcl-30
<i>Ppap2a</i>	phosphatidic acid phosphatase type 2A; LPP1, mPAP
<i>Rapgef3</i>	Rap guanine nucleotide exchange factor (GEF) 3; Epac1
<i>Rasgrp2</i>	RAS, guanyl releasing protein 2; CDC25L
<i>Rgl1</i>	ral guanine nucleotide dissociation stimulator,-like 1; Rgl
<i>S100a4</i>	S100 calcium binding protein A4; Cap1, metastasin
<i>Sdc3</i>	syndecan3; Synd3, syn-3
<i>St8sia4</i>	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4; sialyltransferase 8
<i>Tax1bp3</i>	Tax1 (human T-cell leukemia virus type I) binding protein 3; TIP-1
<i>Tgfb3</i>	transforming growth factor, beta 3; Tgfb-3
<i>Tgfb1</i>	transforming growth factor, beta induced; Beta-ig
<i>Zap70</i>	zeta-chain (TCR) associated protein kinase; ZAP-70

Genes that were found to be more than twofold stronger expressed in NFATc1<sup>-/-</sup> B cells from *mb1-cre x Nfatc1<sup>lox/lox</sup>* mice than in WT splenic B cells in 3 independent microarray assays. Gene and protein designations are from PubMed (Gene).