

Supplementary Table 1: Genes included in the most significantly STRING pathways.

#Color	Term ID	Term description	Observed gene count	Strength	FDR	Proteins in network
cyan	GO:0032449	CBM complex	5	2.59	4.79e-08	CARD9,CARD11,CARD10,MALT1,BCL10
orange	GO:0002096	Polkadots	2	2.59	0.0400	MALT1,BCL10
yellow	GO:0050700	CARD domain binding	7	2.23	5.84e-10	NOD1,NOD2,CARD9,CARD11,CARD10,CARD14,BCL10
magenta	GO:0043621	Protein self-association	6	1.5	0.00013	SLC9A3R1,CARD9,CARD11,TNFAIP3,MALT1,BCL10 NFKB1,PRKCQ,CARD11,CARD10,IKKBK,TRAF6,
maroon	hsa04064	NF-kappa B signaling pathway	12	1.66	2.99e-14	TNFAIP3,IKKBG,PRKCB,MALT1,CARD14,BCL10
grey	hsa04662	B cell receptor signaling pathway	7	1.54	1.77e-07	NFKB1,CARD11,IKKBK,IKKBG,PRKCB,MALT1,BCL10
black	hsa04657	IL-17 signaling pathway	7	1.47	3.88e-07	NFKB1,TRAF3IP2,IKKBK,TRAF6,TNFAIP3,IKKBG,IL17A
lightgreen	hsa04659	Th17 cell differentiation	7	1.44	5.61e-07	NFKB1,PRKCQ,RUNX1,IL23R,IKKBK,IKKBG,IL17A
purple	hsa01523	Antifolate resistance	4	1.7	5.94e-05	NFKB1,GART,IKKBK,IKKBG
limegreen	GO:0097400	interleukin-17-mediated signaling pathway	3	2.11	0.00055	TRAF3IP2,TRAF6,IL17A
red	GO:0046084	Adenine biosynthetic process	2	2.59	0.0039	APRT,GART
		Antigen processing and presentation of endogenous peptide antigen via MHC class I via ER pathway, TAP-independent				
blue	GO:0002486		2	2.41	0.0060	HLA-C,HLA-B
darkgreen	GO:2000321	Positive regulation of T-helper 17 cell differentiation	2	2.04	0.0175	IL23R,MALT1
khaki	HSA-5603029	IkBA variant leads to EDA-ID	3	2.22	9.75e-05	NFKB1,IKKBK,IKKBG
		IKKBG deficiency causes anhidrotic ectodermal dysplasia with immunodeficiency (EDA-ID) (via TLR)				
pink	HSA-5603027		2	2.41	0.0024	IKKBK,IKKBG
lightblue	HSA-5602636	IKKBK deficiency causes SCID	2	2.41	0.0024	IKKBK,IKKBG