

Table S6: Critical Network Reactions

Note: Critical network reactions are bolded.

Pathway	IRF3	IRF7	ROS production	IL-1	RIP1	
Essential network reactions	IRF3_DIM	IRF7_ISRE_BIND	GP91_P22	PHOX_BIND	AJUBA_CPX_BIND	IKK_RIP1_TICAM1P_BIND
	IRF3_ISRE	IRF7_TRAN	PHOX_GTP_BIND2	AJUBA_CPX_IKK	IKK_RIP1_TICAM1P_PHOS	
	IRF3_TRAI	TRAF6_DIME	PIt	AJUBA_CPX_PHOS	RIP1_TICAM1P_BIND	
		UBIQ_TRAN	RAC1_PHOS	IL1/L_IL1RAP_BIND	TRAF6_DIME	
			RAC1_VAV1_BIND	IL1R1_BIND		
				SQSTM1_PKCZ_BIND		

Pathway	NOD1	NOD2	RIP2/TRIP6/TRAF2	MYD88	PI3K	
Essential network reactions	IKK_RIP2	IKK_RIP2_NOD2P	IKK_RIP2_TRIP6_TRAF2	IRAK1_TIFA_3	UBIQ	PAIL4P_HSt
	IKK_RIP2	IKK_RIP2_NOD2P	IKK_RIP2_TRIP6_TRAF2	MYD88_DIME		PI3K1A_pail45p_hs
	NOD1P_BIN	NOD2P_BIND	RIP2_TRIP6_TRAF2_BIN	UBIQ_TRAN		PI4P5K_PHOS
	RIP2_NOD	RIP2_NOD2P_BIN	TLR2/L-D_BIND			PI4P5K_pail4p_hs