source term name Gene Ontology (Biological process)	term ID		n. of n. of query commo genes genes	corrected on p-value	SBF2 FCGR1B FCGR3B TRAM1 CCNYL1	CPA3 OR2A7 NSL1 SYNE1 CASP5	TRGV9 FCER1A SMOX GATA2	DNAJB1 IL18R1 ADORA3 CD207	SCARB2 PTBP3 ARPC3 STX7	TMEM120A CUL2 FCF1 ETS2	ERN1 BTG1 C2CD5 LOC284454	SFMBT2 PDIA6 RNF135 MAP3K1	FCER2 SRFBP1 ZFYVE26 FBXO3	NK4AT IFI16 TLR1 MMP12	F13A1 TLR8 GIMAP4 CASP4	HSD17B11 NFKBID RRN3P2	ARHGEF3 DPH1 MSL2	CPEB4 DACH1 ACSL1 OLIG2	RNF149 NT5DC1 HMG20B VAV1	TNFSF10 CDC73 STK3 CLEC4D	RAB11FIP3 IFIH1 NDFIP2	GZMB BAZ1A NSUN7 OAS3	LRP5L PRF1 OR4F3	FBXL13 SNX30 BCL9	MRPS25 AMFR RRAS2 NCR3LG1	NOLC1 ADM KRT23	ATP1B1 PREPL PLK3	NLRP2 KCNJ15 MRPS33 SULT1B1
BP 🔁 type I interferon production BP regulation of type I interferon production	GO:0032606 GO:0032479	120 9 119 9	91 6 91 6	4.97e-02 4.74e-02							?	M		e A	D	?					D. D.		?			A		
BP interleukin-1 beta production BP regulation of interleukin-1 production BP regulation of interleukin-1 beta production	GO:0032611 GO:0032652 GO:0032651	70 9	91 5 91 5 91 5	3.60e-02 4.47e-02 1.77e-02	6	e					?			D D	D D	? ? ?							? ?					D D
BP TE positive regulation of cytokine production BP positive regulation of cytokine secretion	GO:0001819 GO:0050715	.00	91 10 91 6	4.50e-02 4.10e-02		e	e	e			?	M	€	e G D	D D	?					<u>Б</u>		? ?					D D
immune system process immune effector process immune response immune response immune response immune system process immune response immune system process immune response immune system process immune response insert response innate immune response innate immune response innate immune response insert regulation of defense response immune response imm	GO:0002376 GO:0002252 GO:0006955 GO:0006950 GO:0006952 GO:0031347 GO:0045087 GO:0050776 GO:0050776 GO:0045088 GO:0045089 GO:0051607	1192 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	91 26 91 20 91 38 91 23 91 14	1.20e-03 2.13e-02 3.97e-03 3.70e-02 2.81e-03 2.28e-03 2.32e-02 7.00e-03 1.10e-02 1.72e-03 7.06e-03 5.88e-03 7.06e-03 1.86e-02	SBF2 SBF2 FCGR1B FCGR3B TRAM1 CCNYL1	CPA3 OR2A7 NSL1 SYNE1 CASP5	E E E FCER1 SMOX GATA2	DNAJB1 D A A I IL18R1 ADORA3 CD207	M A B SCARE M A A PTBP3 M A A PTBP3 ARPC3 STX7	TMEM: CUL2 FCF1 ETS2	ERN1 C2CD5 C1CC28	SFMBT SFMBT SFMBT SFMBT SFMBT SFMBT SFMBT MAP3K	e e e e e e e e e e e e e e e e e e e	e G D C C C C C C C C C C C C C C C C C C	e D D TLR8 GIMAP4 CASP4			CPEB4 DACH1 ACSL1 OLIG2	RNF149 RNF149 NT5DC1 HMG20B	e. e D e e e D D CDC73 A A CLEC4 CLEC4	RAB11 RAB11 NDFIP2	GZMB BAZ1A NSUN7 OAS3	CPAN CPAN	FBXL13 SNX30 BCL9	A MRPS2 AMFR AMFR AMRAS2 NCR3L	e. D NOLC1 ADM KRT23	ATP1B PREPL PLK3	NLRP2 KCNJ15 MRPS33 SULT1B1
MF immunoglobulin binding	GO:0019865	22 9	91 4	7.15e-03				ω –	N	20A	.454 ?	7 9. N	26 4			7B11	F3		m _ 0	SF10 73 3 C4D	IP3		?		<u> </u>		.s —	<u>~</u> ~ °.
source term name Biological pathways (KEGG)	term ID	n. of n term o genes g	n. of n. of query commo genes genes	corrected on p-value	SBF2 FCGR1B FCGR3B TRAM1 CCNYL1	CPA3 OR2A7 NSL1 SYNE1 CASP5	TRGV9 FCER1A SMOX GATA2	DNAJB1 IL18R1 ADORA3 CD207	SCARB2 PTBP3 ARPC3 STX7	TMEM120A CUL2 FCF1 ETS2	ERN1 BTG1 C2CD5 LOC284454	SFMBT2 PDIA6 RNF135 MAP3K1	FCER2 SRFBP1 ZFYVE26 FBXO3	NK4AT IFI16 TLR1 MMP12	TLR8 GIMAP4 CASP4	HSD17B11 NFKBID RRN3P2	ARHGEF3 DPH1 MSL2	CPEB4 DACH1 ACSL1 OLIG2	RNF149 NT5DC1 HMG20B VAV1	TNFSF10 CDC73 STK3 CLEC4D	RAB11FIP3 IFIH1 NDFIP2	GZMB BAZ1A NSUN7	LRP5L PRF1 OR4F3	FBXL13 SNX30 BCL9	MRPS25 AMFR RRAS2 NCR3LG1	NOLC1 ADM KRT23	ATP1B1 PREPL PLK3 TNEAID3	NLRP2 KCNJ15 MRPS33 SULT1B1
keg Protein processing in endoplasmic reticulum	KEGG:04141	166 4	45 6	3.54e-02	? k ? ?	? ?	? ?	? k	?	?	? ? k	? k ? ′	? ? ? ?	?	?	? ? ? k	? ? ?	? ?	? ? ?	? ?	?	? ?	? ?	? ? ?	? k ?	? ? ?	?	? ? ?
source term name Regulatory motifs in DNA (TRANSFAC TFBS)	term ID	n. of n term o genes g	n. of n. of query commo genes genes	corrected on p-value	SBF2 FCGR1B FCGR3B TRAM1 CCNYL1	CPA3 OR2A7 NSL1 SYNE1 CASP5	TRGV9 FCER1A SMOX GATA2	DNAJB1 IL18R1 ADORA3 CD207	SCARB2 PTBP3 ARPC3 STX7	TMEM120A CUL2 FCF1 ETS2	ERN1 BTG1 C2CD5 LOC284454	SFMBT2 PDIA6 RNF135 MAP3K1	FCER2 SRFBP1 ZFYVE26 FBXO3	NK4AT IFI16 TLR1 MMP12	TLR8 GIMAP4 CASP4	HSD17B11 NFKBID RRN3P2	ARHGEF3 DPH1 MSL2	CPEB4 DACH1 ACSL1 OLIG2	RNF149 NT5DC1 HMG20B VAV1	TNFSF10 CDC73 STK3 CLEC4D	RAB11FIP3 IFIH1 NDFIP2	GZMB BAZ1A NSUN7 OAS3	LRP5L PRF1 OR4F3	FBXL13 SNX30 BCL9	MRPS25 AMFR RRAS2 NCR3LG1	NOLC1 ADM KRT23	ATP1B1 PREPL PLK3 TNIEAID3	NLRP2 KCNJ15 MRPS33 SULT1B1
tf Factor: S8; motif: WNNANYYAATTANCNN; match class: 0	TF:M00099_0	1045 9	92 15	1.52e-02	A	AT	?	AT AT				A' A'		A		? A			AT AT	A			A			AT AT	AT	