## Table S2. Selected GO pathways for investigating DALIA-1

	GO ID	Description
1	GO 1D GO:0002218 †	activation of innate immune response
2	GO:0006956 †	complement activation
3	GO:0002429 †	immune response-activating cell surface receptor signaling pathway
4	GO:0002758 †	innate immune response-activating signal transduction
5	GO:0019883 †	antigen processing and presentation of endogenous antigen
6	GO:0019884 †	antigen processing and presentation of exogenous antigen
7	GO:0048002 †	antigen processing and presentation of peptide antigen
8	GO:0002504 †	antigen processing and presentation of peptide or polysaccharide antigen via MHC class I
9	GO:0002475	antigen processing and presentation via MHC class Ib
10	GO:0002468	dendritic cell antigen processing and presentation
11	GO:0002578	negative regulation of antigen processing and presentation
12	GO:0002579 †	positive regulation of antigen processing and presentation
13	GO:0002577 †	regulation of antigen processing and presentation
14	GO:0002457	T cell antigen processing and presentation
15	GO:0002339	B cell selection
16	GO:0002263 †	cell activation involved in immune response
17	GO:0051607 †	defense response to virus
18	GO:0002432	granuloma formation
19	GO:0002434	immune complex clearance
20	GO:0043299 †	leukocyte degranulation
21	GO:0001909 †	leukocyte mediated cytotoxicity
22	GO:0019724 †	B cell mediated immunity
23	GO:0002228 †	natural killer cell mediated immunity
24	GO:0002707 †	negative regulation of lymphocyte mediated immunity
25 26	GO:0002708 †	positive regulation of lymphocyte mediated immunity
26	GO:0002706 †	regulation of lymphocyte mediated immunity
27	GO:0002456 †	T cell mediated immunity
28	GO:0002444 †	myeloid leukocyte mediated immunity
29 20	GO:0002704 †	negative regulation of leukocyte mediated immunity
$\frac{30}{31}$	GO:0002705 † GO:0002703 †	positive regulation of leukocyte mediated immunity regulation of leukocyte mediated immunity
$31 \\ 32$	GO:0002703   GO:0002522	leukocyte migration involved in immune response
33	GO:0002522 GO:0002698 †	negative regulation of immune effector process
$33 \\ 34$	GO:0002098   GO:0008228	opsonization
35	GO:0003228 GO:0002699 †	positive regulation of immune effector process
36	GO:0002697 †	regulation of immune effector process
37	GO:0002679 †	respiratory burst involved in defense response
38	GO:0002250 †	adaptive immune response
39	GO:0002367 †	cytokine production involved in immune response
40	GO:0006959 †	humoral immune response
41	GO:0002418 †	immune response to tumor cell
42	GO:0002437 †	inflammatory response to antigenic stimulus
43	GO:0006957 †	complement activation, alternative pathway
44	GO:0001867	complement activation, lectin pathway
45	GO:0002227	innate immune response in mucosa
46	GO:0045824 †	negative regulation of innate immune response
47	GO:0045089 †	positive regulation of innate immune response
48	GO:0045088 †	regulation of innate immune response
49	GO:0034341 †	response to interferon-gamma
50	GO:0034340 †	response to type I interferon
51	GO:0050777 †	negative regulation of immune response
52	GO:0002251 †	organ or tissue specific immune response
53	GO:0052555	positive regulation by organism of immune response of other organism
		involved in symbiotic interaction
54	GO:0002821 †	positive regulation of adaptive immune response
55	GO:0002922	positive regulation of humoral immune response
56	GO:0002839 †	positive regulation of immune response to tumor cell
57	GO:0002863 †	positive regulation of inflammatory response to antigenic stimulus
58	GO:0002830	positive regulation of type 2 immune response
59	GO:0002765 †	immune response-inhibiting signal transduction
60	GO:0002768 †	immune response-regulating cell surface receptor signaling pathway
61	GO:0052552	modulation by organism of immune response of other organism
		involved in symbiotic interaction
62	GO:0002819 †	regulation of adaptive immune response
63	GO:0002718 †	regulation of cytokine production involved in immune response
64	GO:0043309	regulation of eosinophil degranulation
65	GO:0002920 †	regulation of humoral immune response
66	GO:0002837 †	regulation of immune response to tumor cell
67	GO:0002861 †	regulation of inflammatory response to antigenic stimulus
68	GO:0033006 †	regulation of mast cell activation involved in immune response
69	GO:0043380	regulation of memory T cell differentiation
70	GO:0043313	regulation of neutrophil degranulation
71	GO:0045622 †	regulation of T-helper cell differentiation
72	GO:0002828 †	regulation of type 2 immune response
73	GO:0042092 †	type 2 immune response
74	GO:0002520	immune system development leukocyte activation involved in immune response
75	GO:0002366 †	

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78       GC:0001776       establishment of lymphocyte polarity         79       GC:0002285       t       lymphocyte activation involved in immune response         80       GC:0002285       t       lymphocyte proliferation         82       GC:0000285       tymphocyte proliferation         83       GC:0001761       negative regulation of lymphocyte activation         84       GC:0050871       positive regulation of lymphocyte differentiation         85       GC:0050871       positive regulation of lymphocyte differentiation         86       GC:0050871       positive regulation of lymphocyte differentiation         87       GC:0045621       positive regulation of lymphocyte proliferation         88       GC:0050871       regulation of lymphocyte proliferation         90       GC:0050864       regulation of cell activation         91       GC:0050864       regulation of T cell activation         92       GC:0050864       regulation of T cell activation         93       GO:0045843       regulation of G cell activation         94       GC:0050864       regulation of T cell activation         95       GO:004634       regulation of C cell activation         96       GO:004634       regulation of T cell activation         97 <t< td=""><td></td><td></td><td></td></t<>			
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