

GO Term		Enriched in		Values for Mammals Emp0.05					
ID	Description	This Study	Lit.	FET	topGO	Ann.	Sig.	Exp.	Top 5 Genes
Top 10 Enriched Terms									
GO:0006954	inflammatory response	P LMnH D	RK	9.4e-11	2.0e-06	202	35	10.2	TFRC, TLR1, ITGAL, TLR4, A2M
GO:0045087	innate immune response	P LMnH D i	RK	2.4e-09	2.7e-04	144	27	7.3	SAMHD1, TLR1, TLR4, A2M, C8A
GO:0051607	defense response to virus	P LMnH i	K	4.2e-05	5.4e-03	43	10	2.2	SAMHD1, CD4, ZC3HAV1, MAVS, DDX58
GO:0042742	defense response to bacterium	PgLMnH D i	K	8.8e-05	1.2e-04	38	9	1.9	TLR1, TLR4, LTF, MAVS, MBL2
GO:0000236	mitotic prometaphase	PgLMn D i		3.7e-04	3.7e-04	55	10	2.8	CENPT, CENPI, CENPQ, REC8, DSN1
GO:0019221	cytokine-mediated signaling	Mn	K	1.3e-03	4.1e-02	98	13	5.0	MAVS, IL1RL1, NLRCS, STAT2, IFNGR2
GO:0050900	leukocyte migration	P LMn		1.5e-03	1.4e-03	112	14	5.7	ITGAL, ITGAM, CD84, COL1A2, CD34
GO:0007067	mitosis	Pg Mn D i		3.4e-03	4.7e-02	218	21	11.0	HAUS6, CENPT, CENPI, SPAG5, KIAA1009
GO:0002576	platelet degranulation	Mn		4.7e-03	4.7e-03	42	7	2.1	A2M, KNG1, HRG, SELP, ITGA2B
GO:0051297	centrosome organization	gLMn		5.6e-03	1.2e-02	33	6	1.7	HAUS6, CEP152, CEP250, BRCA2, HAUS5
Other Terms Commonly Identified in the Literature									
GO:0006952	defense response	P LMnH D i	RK	2.0e-15	1.5e-01	376	59	19.0	TFRC, SAMHD1, TLR1, ITGAL, TLR4
GO:0006955	immune response	PgLMnH D i	RK	2.2e-12	3.3e-03	415	57	21.0	SAMHD1, TLR1, ITGAL, TLR4, CD164
GO:0009611	response to wounding	P LMnH D	RK	3.2e-07	5.8e-01	553	56	28.0	TFRC, TLR1, VCAN, ITGAL, TLR4
GO:0050896	response to stimulus	P LMnH D	RK	4.0e-06	6.0e-01	2343	160	118.7	TERF2, TFRC, SAMHD1, GGH, TLR1
GO:0009607	response to biotic stimulus	P LMnH D i	RK	2.7e-05	1.0e+00	265	30	13.4	SAMHD1, TLR1, TLR4, LTF, CD4
GO:0050909	sensory perception of taste		RK	5.7e-01	5.7e-01	16	1	0.8	RTP4
GO:0007600	sensory perception		C K	7.4e-01	1.0e+00	274	12	13.9	TLR4, FAM161A, RP1, RTP4, COL4A3
GO:0007606	sensory perception of chemical stimulus		RK	8.5e-01	1.0e+00	36	1	1.8	RTP4
GO:0007166	cell surface receptor linked signaling		CR	1.0e+00	8.2e-01	1107	37	56.1	ITGAL, TLR4, ITGAM, HRH4, COL16A1
GO:0007608	sensory perception of smell		C K	1.0e+00	1.0e+00	17	0	0.9	
Other Terms Identified in This Study but Not in the Literature									
GO:0006302	double-strand break repair	Mn i		8.4e-03	2.6e-02	58	8	2.9	SETX, XRCC5, BRCA2, UIMC1, APLF
GO:0051301	cell division	g Mn		1.5e-02	7.2e-03	264	22	13.4	HAUS6, SPAG5, KIAA1009, DCLRE1A, SYCP1
GO:0031295	T cell costimulation	LMn D		2.1e-02	2.1e-02	32	5	1.6	CD4, CD3G, DPP4, CD86, CD274
GO:0007059	chromosome segregation	Mn		2.4e-02	1.6e-02	83	9	4.2	REC8, BRCA2, DSN1, CENPH, SETDB2
GO:0015711	organic anion transport	nH		7.6e-02	9.1e-02	45	5	2.3	ABCC2, SLC26A8, SLC16A7, SLC4A1, SLC13A2
GO:0071706	TNF superfamily cytokine production	L nH		7.6e-02	9.8e-02	32	4	1.6	TLR1, TLR4, MAVS, CD86
GO:0007283	spermatogenesis	P L D i		8.3e-02	5.4e-02	184	14	9.3	NLRP14, SLC9A10, CYLC1, REC8, SYCP1