

Table S4A: List of genes from significantly enriched canonical pathways in grafted EC at different time points

Pathways	ZH Symbols	ZH P_value	12H Symbols	12H P_value	24H Symbols	24H P_value	7D Symbols	7D P_value	30D Symbols	30D P_value
Prothrombin Activation	NA	#VALUE!	COL1A2, COL1A1, KLRB1, PROS1, THBD, COL3A1, TGFBR1, IFI1, TAF13, HSPA5, FCGRIA, SMARCA4, IL1R2, HSPA4, NFAT5, PKC2, CCL2, BMS1, VPR1, PIK3CG, HSPAP, AKT3, SERPINE1, MMP1 (includes EG-112), TAF12 (includes EG-688), IL1R, TAF9, SELE, GRB2, MAP3K1, HSPA9, HSPA2, PIK3R3, HSPA8, RAS2, IL1RN, SMARCA2, CDKN1A, FBXP4, TGFBR3, HSP90AA1, IL1B, AZM1, BTK, PIK3R3, RAS2, GRB2, PLCG2, PIK3CG, SYK, LYN	0.26444261	NA	0.008709636	COL1A2, COL1A1, COL3A1	0.55662144	COL1A2, COL1A1, COL3A1	0.062570396
Glucocorticoid Receptor Signaling	IL8, SELE, HSPA1A, JAK2, NFKB1, BCL2, IL1R2, GT2B, CDKN1A, NFATC2, IL1B, SERPINE1, CSF2	0.003235937	IL8, SELE, HSPA1A, JAK2, NFKB1, BCL2, IL1R2, GT2B, CDKN1A, NFATC2, IL1B, SERPINE1, CSF2	0.110917482	POLR2D, SMOAD3, PRK1, IL6, HSPA5, FCGRIA, IL1R2, CCL2, PKC2, PIK3CG, SERPINE1, IL8, SELE, VCAM1, GRB2, HSPA9, HSPA2, TAF9B, POLR2G, PIK3R3, RAS2, IL1RN, SMARCA2, CDKN1A, IL1B, PIK3CB, PIK3CD, AZM1	0.023988329	IL8, VCAM1, SELE, TGFBR1, IL6, HSPA5, CD163, NR1C1, FCGRIA, HSPA2, BCL2, CCL2, PKC2, IL1RN, PIK3CG, CDKN1A, SERPINE1, STAT1, ESR1	0.557185749	CDKN1A	0.523600437
Fcg RIB Signaling in B Lymphocytes	NA	#VALUE!	PIK3R3, PTPN6, GNC11, GNB3, RAS2, GUCY1A3, PIK3CG, CDKN1A, GNS5, GNG2, CDKN1B, GUCY1B3	0.207491352	PIK3CB, PIK3CD	0.008709636	BTK, PIK3CG, SYK, LYN	0.521194711	NA	0.523600437
Antiproliferative Role of SSTR2	CDKN1A, GNG2	0.479733449	PIK3R3, PTPN6, GNC11, GNB3, RAS2, GUCY1A3, PIK3CG, CDKN1A, GNS5, GNG2, CDKN1B, GUCY1B3	0.247742208	PTPN6, GUCY1A3, PIK3R3, GNB1, GNG11, RAS2, ADCY5, PIK3CG, CDKN1A, PIK3CD, PIK3CB, GNG2, CDKN1B, GUCY1B3	0.003548134	GUCY1A3, ADCY5, PIK3CG, CDKN1A, GUCY1A2, GNG2, GUCY1B3	0.43052661	CDKN1A	0.348337315
Macropinositosis Signaling	ARF6, PRKCB	0.44874539	PIK3R3, ARF6, RAS2, PDGFA, PRKCD, PLCG2, PIK3CG, ITGB8, PDS4C, ITGB7, PRKCB	0.257039578	PDGFR, ITGB8, PRKCB	0.000831764	PAK1, PRKCD, PIK3CG, ITGA5, CD14, CSF1R, PRKCB	0.363078055	NA	#VALUE!
GPCR Signaling	GRP65, RGS16, RGS12, NFKB1, ADRA1A, PRKCB	0.221309471	ADRA2B, PLCB2, RGS12, CREB3, PDE4D, PIK3CG, RGS10, HTR7, AKT3, RGS14, ADORA3, GRK4, EDNRB, OPRM1, GRB2, GNAO1, PKAR2A, PDE4B, PIK3R3, PLCB4, RAS2, GNAO1, GPR65, ADRA1A, ADORA2A, ADORA1A, PRKCB	0.251767693	ADRA2B, PLCB2, RGS12, ADOR1A1, ADCY5, PIK3CG, RGS10, HTR7, RGS14, HTR2A, ADORA3, RGS2, OPRM1, GRB2, PKAR2A, PDE4B, PIK3R3, PLCB4, RAS2, GPR65, GNAO1, EDNRB, PIK3CB, PIK3CD, ADOR1A, ADORA2A, ADORA1A, CAMK2G, PRKCB, CCRS, CD4, ITGA2, ITGAL, PIK3R3, RAS2, PRKCD	0.003467369	ADRA2B, PLCB2, RGS12, EDNRB, CREB3, CAMK2A, CAMK2D, ADCY5, PIK3CG, GPR65, GNAO1, RGS10, EDNRB, RGS14, PDE4B, ADORA1A, CAMK2G, PRKCB, CCRS, PRKCD, CD4, PIK3CG, ITGAV, ITGA5, ITGA4	0.331894458	NA	#VALUE!
NF-kB Activation by Viruses	CD4, NFKB1, PRKCB	0.230674719	AKT3, ITGAL, PRKCB	0.564936975	PIK3CG, PIK3CB, PIK3CD, ITGB5, ITGA4, PRKCB	0.008709636	FLNA, FLNC, ITGAV, CD48, ITGA5, ACTG2 (includes EG-72), ACTG1, ITGA4	0.30974193	ITGA4	0.348337315
Caveolar-mediated Endocytosis Signaling	NA	#VALUE!	PLCB2, CD4, MYL5, GNB3, GNA14, PTK2, GNB3, GNG11, PIK3CG, AKT3, PXN, CXCR4, EGR1, GNAO1, ITPR1, PIK3R3, MYL9 (includes EG-10398), PLCB4	0.125025903	GRB2, FCE1F1A, BTK, PIK3R3, RAS2, PRKCD, PIK3CG, SYK, LYN, FCE1F1A, MAP2K3, PIK3CD, PRKCB	0.000478030	PLCB2, CXCR4, CD4, MYL5, ITPR1, MYL9 (includes EG-10398), PAK1, RHOG, ADCY5, PRKCD, PIK3CG, GNAO1, LYN, GNG2, PRKCB	0.244343055	EGR1	0.404575892
CXCR4 Signaling	RND3, CD4, EGR1, GNA13, GNG2, PRKCB	0.111943788	RRAS2, PAK3, PRKCD, GNAO1, LYN, GNG2, PRKCB	0.128528666	GRB2, FCE1F1A, BTK, PIK3R3, RAS2, PRKCD, PIK3CG, SYK, LYN, FCE1F1A, MAP2K3, PIK3CD, PRKCB	0.006309573	BTK, PRKCD, PIK3CG, SYK, VAV3, FCE1R1G, LYN	0.194088588	NA	#VALUE!
Fc Epsilon R1 Signaling	FCER1G, CSF2, LCP2, PRKCB	0.17538805	NAPEPLD, PLCB2, GNB3, CND1, EIF4EBP1, PTK2, GNB3, GNG11, CXCR2, PIK3CG, GPD1D, CY8B, AKT3, IL8, GNAO1, HBEFG, PIK3R3, ITGAM, RAS2, PRKCD, NCF2, KDR, PTK2G, GNG2, PRKCB	0.181551566	GNG2, PRKCB	0.020892961	IL8, VCAM1, PLCB2, MAPK4, MMP2, CSTB, BCL2, HMOX1, RHOG, CCRND, PRKCD, PIK3CG, KDR	0.185780446	NA	#VALUE!
IL-8 Signaling	IL8, ITGAM, RND3, NCF2, CY8B, HBEFG, GNA13, GNG2, NFKB1, BCL2, PRKCB, IRAK2	0.00047863	PIK3R3, IL2RG, PTPN6, NFAT5, RAS2, GRB2, PIK3CG, HMGGA1, AKT3	0.506990708	RRAS2, PIK3CG, HLA-DRA, PRKCB, PIK3CD	0.001174898	HLA-DQB1, HLA-DMA, IL2RG, PIK3CG, HLA-DRA, HLA-DQA1, HMGGA1, HLA-DMB, NR1C1	0.158854675	HLA-DRA, HLA-DQA1	0.111943788
IL-4 Signaling	NFATC2, JAK2	0.477529274	PIK3CG, HMGGA1, AKT3	0.125025903	PIK3CB, RMX1, PIK3CG, HCK, LYN, PIK3CD, PIK3CB, RMX1, BCL2A1, PRKCB	0.004142538	CAMK2D, CAMK2A, PIK3CG, LYN, RNXK1, STAT1, GNAO1, CAMK2G, PRKCB	0.107646521	NA	#VALUE!
GM-CSF Signaling	CSF2RA (includes EG-1438), JAK2, CSF2, PRKCB	0.081283052	RUNX1, BCL2A1, PIK3CG	0.128528666	IL8, ABCB1, CD14, GRB2, IL6, IL1R2, IL18, RAS2, IL1RN, CD14, IL1B, MAP2K3, AZM	0.021379621	COL1A1, IL8, IL18, CYP19A1, IL1RN, TNFRSF1A, SRF, CD14, MAP4K4, MAP2K3, IL6, TNFRSF11B	0.0616595	COL1A1, IL18	0.111943788
IL-6 Signaling	IL1R2, IL8, IL18, IL1B, JAK2, TNFAIP6, NFKB1	0.009772372	IL1R2, IL8, IL18, IL1B, JAK2, TNFAIP6, NFKB1	0.069183097	FCER1G, CD86, PIK3CB, PIK3CD, GNG2, LCP2	0.000144544	HLA-DMA, PLCB2, CD4, HLA-DQA1, HLA-DMB, ITPR1, FCGRIA, HLA-DQB1, BTK, CD80, PIK3CG, SYK, GNAO1, HLA-DRA, FCE1R1G, LYN, CD86, ME1F2, GNG2, LCP2	0.0616595	HLA-DRA, HLA-DQA1	0.248885732
NFAT in Reg of the IR	CD4, FCE1R1G, NFATC2, GNA13, GNG2, NFKB1, LCP2, RCAN1	0.037155523	FCER1G, CSF2, LCP2, PRKCB	0.247742208	PIK3R3, PLCB4, PLCE1, PRKCD, PIK3CG, PIK3CD, PRKCB	0.003467369	PLCB2, PLCE1, PDIA3, PRKCD, PIK3CG, PLCL2, PPSK1B, ITPR1, HSPA5, PLCL1, PRKCB, AHY1	0.040738028	NA	#VALUE!
Aldosterone Sig in Epithelial Cells	NA	#VALUE!	IL8, TNF1, IL3A, CD4, TLR2, IL18, CD4, HLA-A, CD80, IL1RN, FCE1R1G, IL18, TLR3, TNFSF13B	0.251767693	CD4, CD80, IL1RN, HLA-DRA, FCE1R1G, CD86, IL18	0.006918331	IL8, TNF1, IL12A, CD4, CD83, TLR2, IL18, CD80, IL1RN, HLA-DRA, FCE1R1G, CD86, TNFSF13B	0.040738028	IL18, HLA-DRA	0.111943788
Innate and Adaptive Immune Cells	IL8, IL18, CD4, CD4, FCE1R1G, IL18, CSF2	0.009772372	CD99 (includes EG-4267), NCF1C, MMP16, ACTA2, JAM2, PTK2, TIMP1, MMP9, PIK3CG, CY8B, MMP1 (includes EG-112), MMP19, TIMP2, TIMP3, PXN, ARHGAP6, CXCR4, GNAO1, NCF4, DC11, ITGAL, ACTG1, PIK3R3, BTK, ITGAM, ARHGAP9, VAV3, PRKCB, PLCG2, NCF2, VAV1, PRKCB	0.0616595	MMP14, ACTA2, JAM2, TIMP1, E2F, PIK3CG, CY8B, MMP19, TIMP2, ITGA4, TIMP3, VCAM1, CXCR4, MMP2, NCF4, ITGAL, BTK, PIK3R3, ITGAM, ARHGAP9, PRKCD, NCF2, PIK3CD, VAV1, PIK3CB, PRKCB	0.003630781	TIMP3, VCAM1, CXCR4, MMP14, MMP2, NCF4, ACTG1, BTK, ARHGAP9, TIMP1, CDN1, PIK3CG, VAV3, PRKCD, NCF2, CY8B, VAV1, ACTG2 (includes EG-72), MMP19, ITGA4, MSN, PRKCB	0.040738028	CDN1, ITGA4	0.259417936
Leukocyte Extravasation Signaling	ITGAM, ARHGAP9, CDN1, NCF2, CY8B, NCF4, PRKCB	0.095499259	PLCB2, PLCG2, NCF2, VAV1, PRKCB	0.128528666	PLCB2, PDIA3, MYL5, GNB1, GNG11, PLCE1, RHOG, ADCY5, PIK3CG, GATA6, ARHGFE3, GRB2, ARHGFE15, ITPR1, MYL6B, PIK3R3, MYL9 (includes EG-10398), PLCB4, RAS2, PRKCD, GNAO1	0.004166894	PLCB2, F2R, PDIA3, ARHGFE15, MYL5, ITPR1, PLCL2, MYL9 (includes EG-10398), CAMK2A, CAMK2D, PLCE1, RHOG, ADCY5, PIK3CG, PRKCD, GNAO1, PPSK1B, PPSK1A, ARHGFE3, GNG2, PLCL1, CAMK2G, PRKCB	0.030199517	NA	#VALUE!
Thrombin Signaling	RND3, GNA13, GNG2, NFKB1, PRKCB	0.298538262	AOC3, PSAT1, PLCB2, BHMT, DMGDH, AMT (includes EG-275), PLCB4, MAOB, PLCE1, PLCG2, CHKA, GOT1, SAK5	0.189670592	PSAT1, PLCB2, BHMT, PDIA3, DMGDH, GARS, AMT (includes EG-275), PLCB4, MAOB, PLCE1, GOT1, CTR1, GATA, MADN	0.004073803	PSAT1, PLCB2, MAOB, PLCE1, BHMT, PDIA3, CHKA, PHGDH, GOT1, PLCL2, PLCL1, SHMT2	0.029512092	NA	#VALUE!
Glycine, Serine and Threonine Metabolism	NA	#VALUE!	PRKCD, CD4, FCE1R1G, CAPN2, ITPR1, ATP2A2, PRKCB	0.656145266	PLCB2, PDIA3, CASP4, PLCE1, ADCY5, ECE2, PIK3CG, FCE1, GUCY1B3, CASP10, GUCY1A3, GRB2, PTKG51, MAPK6, ITPR1, PIK3R3, LAMB2, PLCB4, RAS2, PRKCD, GNAO1, EDNRB, PIK3CB, PIK3CD, PTKGER2, PRKCB	0.042657952	PLCB2, EDNRB, GUCY1A3, PDIA3, CASP4, ITPR1, PLCL2, LAMB2, CASP6, HMOX1, PLCE1, ADCY5, PIK3CG, PRKCD, GNAO1, GUCY1A2, EDNRB, CASP8, PLCL1, GUCY1B3, PRKCB, CASP10	0.016218101	NA	#VALUE!
Calcium-induced T Lymphocyte Apoptosis	CD4, NR4A1, FCE1R1G, NFATC2, PRKCB	0.032359366	MAPK1D, PLCB2, CASP4, GNAO1, PRDX6, PLCE1, PIK3CG, GPD1, CASP8, GUCY1B3, CASP10, EDNRB, GUCY1A3, GRB2, PTKG51, MAPK6, GNAO1, ITPR1, LAMB2, PIK3R3, PLAZA2G, PLCB4, RAS2, GAB1, PRKCD, PLCG2, GNAO1, EDNRB, PTKG52, PTKGER2, PRKCB	0.042657952	HLA-DMA, HLA-DQA, MYL5, ITGA2, HLA-DQA1, HLA-DMB, MYL6B, HLA-DQB1, MYL9 (includes EG-10398), PAK3, ARPC2, HLA-DRA, FCE1R1G, VAV1, ITGA4	0.233887724	HLA-DMA, ACTR2, ARPC1B, ARPCS1 (includes EG-81873), DIAPH9, MYL5, ARPCS1, HLA-DQA1, ITGA5, HLA-DMB, MYL9 (includes EG-10398), HLA-DQB1, IQGAP2, PAK1, CDC42BP, ARPC2, HLA-DQB1, ARPC4, FCE1R1G, PPSK1B, VAV1, ITGA4	0.01	HLA-DRA, HLA-DQA1, ITGA4	0.091201084
Cdc42 Signaling	NA	#VALUE!	CD258, CDKN1A, TOP2A, MDM2, CHEK2, CCN3, PLCB2, CXCR4, GNAO1, PTK2, PLCB4, RAS2, CCL4, CCL2, CCL7, PLCG2, PIK3CG, PPP1R12B	0.592925325	CDKN1A, TOP2A, MDM2	0.625172693	PLCB2, CCN3, CXCR4, CAMK2D, CAMK2A, CCL2, CCL7, PIK3CG, PPP1R12B, PPP1R12A, PPP1CA, CAMK2G, PRKCB	0.009332543	CDKN1A, TOP2A	0.060255599
Endothelin-1 Signaling	MYC, GNA13, PRKCB	0.615176873	PPP1R12A, PRKCB	0.085113804	CCN3, PLCB2, PLCB4, CCN3, CCL4, RAS2, CCL2, CCL7, CXCR4, PIK3CG, PPP1R12B, PRKCB	0.015488166	ACTR2, ARPC1B, ARPCS1 (includes EG-81873), MYL5, ARPCS1, ANLN, PPSK1B, ACTG1, TTN, MYL9 (includes EG-10398), ARHGAP9, ARPC2, ARPC4, PPP1R12B, PPP1R12A, ACTG2 (includes EG-72), MSN	0.007624271	WASP1	0.356451133
Cdc42 Signaling	NA	#VALUE!	NA	#VALUE!	MYL9 (includes EG-10398), ARHGAP9, ARPC2, E2F1, MYL9 (includes EG-10398), PPSK1B, MYL6B, SEPT6	0.295120923	NA	NA	NA	NA
G2/M DNA Damage Checkpoint Reg	CDKN1A	0.619441075	CD258, CDKN1A, TOP2A, MDM2, CHEK2, CCN3, PLCB2, CXCR4, GNAO1, PTK2, PLCB4, RAS2, CCL4, CCL2, CCL7, PLCG2, PIK3CG, PPP1R12B	0.592925325	CDKN1A, TOP2A, MDM2	0.625172693	PLCB2, CCN3, CXCR4, CAMK2D, CAMK2A, CCL2, CCL7, PIK3CG, PPP1R12B, PPP1R12A, PPP1CA, CAMK2G, PRKCB	0.009332543	CDKN1A, TOP2A	0.060255599
Chemokine Signaling	CCL4, CCL7, PRKCB	0.230674719	PPP1R12A, PRKCB	0.085113804	CCN3, PLCB2, PLCB4, CCN3, CCL4, RAS2, CCL2, CCL7, CXCR4, PIK3CG, PPP1R12B, PRKCB	0.015488166	ACTR2, ARPC1B, ARPCS1 (includes EG-81873), MYL5, ARPCS1, ANLN, PPSK1B, ACTG1, TTN, MYL9 (includes EG-10398), ARHGAP9, ARPC2, ARPC4, PPP1R12B, PPP1R12A, ACTG2 (includes EG-72), MSN	0.007624271	WASP1	0.356451133
RhoA Signaling	ARHGAP9, GNA13	0.623734835	PPP1R12A, SEPT6	0.0616595	ACTA2, MYL5, PPP1R12B, PPSK1B, MYL6B, SEPT6	0.295120923	NA	NA	NA	NA

Table S4B: List of genes from significantly enriched canonical pathways in grafted SMC.

Pathways	ZH Symbols	ZH P_value	I2H Symbols	I2H P_value	Z4H Symbols	Z4H P_value	ZD Symbols	ZD P_value	30D Symbols	30D P_value
Mitotic Roles of Polo-Like Kinase	NA	#VALUE!	NA	#VALUE!	NA	#VALUE!	KIF23 (CCNB1, CDC20, PTTG1, PRCL1, CDC7, CCNB2, PLK1, PPP2R5A, CDK1, CDC25B, PLK4, PLK2, PPP2R2B, XIF1, CHEK2)	0.002344229	NA	#VALUE!
Actin Cytoskeleton Signaling	NA	#VALUE!	#VALUE!	0.033884416	MYL9 (includes EG:10398), SHC1, TIAM2 (includes EG:26230), RRSAS2, ARPC1B, GRB2, PPP1R12B, PIK3	0.261818301	MYH10, ARPC1B, DIAPH3, ARPC5, LIMK2, PIP5K1B, MYH7B (includes EG:57644), FGF13, SHC1, FGF10, WASL (includes EG:8976), FGF18, ARPC4, ARPC1A, ACTG2 (includes EG:72), LBP, PPP1CA, ACTN1, ICGA, MYH1, ACTR2, GRB2, CSK, MYH7, GSN, ACTG1, MYL1, TTN, FGF1, TIAM2 (includes EG:26230), ARPC2, PPP1R12B, CD14, MYH9, PPP1R12A, PIK3CB, NCKAP1, MSN	0.001202264	NA	#VALUE!
Reactive Oxygen in Macrophages	NFKB1	0.256448404	#VALUE!	0.009772372	TNFRSF1A, PPP1R3C, PIK3R2, NOS2, PPP1R14B, PR	0.666806769	PPP1R3C, RHO1, GSK2, MAP3K5 (includes EG:4217), JAK2, PPP2R5A, TUR2, PRKCD, PPP2R2B, C YBB, PPP1R12A, PIK3CB, STAT1, PPP1CA, PRKD1, PR	0.555904257	FOS	0.123304491
IL-10 Signaling	NFKB1	0.223872114	#VALUE!	0.009332543	IL1R2, IL18, IL18R1, IL6	0.566239289	IL18, IL10R8, CD14, ARG2, MAP4K4, IL1R1, LBP, IL6	0.405508535	FOS	0.166341265
NF-kB Signaling	NFKB1	0.250034536	#VALUE!	0.008912509	IL1R2, GHR, RRSAS2, IL1RN, TNFRSF1A, BMP2, PDGF	0.261818301	TLR1, MYD88, MAP4K4, IL1R1, MALT1, TUR2, IL18, G HR, CD40, PIK3CB, EIF2AK2, TLR8, TNFSF13B, IRAK4, PRKCB	0.592925325	NA	#VALUE!
CCR3 Signaling in Eosinophils	NA	#VALUE!	#VALUE!	0.00724436	RRAS2, ITPR2, PPP1R12B, PIK3R2, ITPR1, PRKCB	0.420726628	PLA2G10, ENAH1, CCL2A, LIMK2, ITPR1, PLCB4, PRK CD, PPP1R12B, PPP1R12A, PIK3CB, GNG2, PPP1CA, PRKD1, PRKCB	0.331131121	NA	#VALUE!
Renin-Angiotensin Signaling	NFKB1	0.225423921	#VALUE!	0.00724436	SHC1, RRSAS2, CCL2, GRB2, ITPR2, PIK3R2, ITPR1, PR	0.174984669	SHC1, CCL2, GRB2, PRKCD, SHC3, PIK3CB, JAK2, ITPR 1, STAT1, ADCY7, PRKD1, PRKCB	0.472063041	FOS	0.171790839
RAR Activation	NFKB1	0.263026799	#VALUE!	0.00724436	ALDH1A1, SMARCA2, TGFβ3, SNW1, PIK3R2, CITED	0.442588372	RHD10, CSK, MAP3K5 (includes EG:4217), JAK2, VEGFA, ALDH1A1, RARA, PRKCD, C RABP2, TGFβ3, PIK3CB, ADCY7, ZBTB16, PRKD1, PR	0.645654229	FOS	0.216271852
ILK Signaling	NFKB1	0.272270131	#VALUE!	0.007079458	RS2, NOS2, PPP1R14B, ITGB7	0.420726628	MYH10, MYH7, RHO1, CREB5, MYH7B (includes EG:57644), ACTG1, PPP2R5A, MYL1, VEGFA, FN1, CF LNA, SNAI2, PPP2R2B, MYH9, PIK3CB, RPS6KA5, AC T2 (includes EG:72), ITGB4, ACTN1, MYH1	0.404575892	FOS	0.223357222
Macropinosytosis Signaling	NA	#VALUE!	#VALUE!	0.00676083	RRAS2, PIK3R2, ITGB7, PRKCB	0.423642966	PRKCD, CD14, PIK3CB, ITGB4, PRKD1, PRKCB	0.76913044	NA	#VALUE!
Acute Phase Response Signaling	SERPINE1, NFKB1	0.223872114	#VALUE!	0.00676083	SHC1, ITH3, RRSAS2, GRB2, IL1RN, TNFRSF1A, SERP 1, SERPINA1, PIK3R2, IL6, SERPINE1, A2M	0.141905752	ITH3, GRB2, MYD88, C15, C9, IL6, JAK2, IL1R1, MAP3 K5 (includes EG:4217), ILK1B1, SHC1, IL18, TF, CRABP2, CFB, SERP 1, MAP3K8, MYH9, TLR2, STAT4, COL1A1, IL18, CD40, CD80, FSCN1, CD86, PIK3CB, STAT2, IFNAR1,	0.404575892	FOS, CIS	0.12246162
Relaxin Signaling	NFKB1	0.233345806	#VALUE!	0.006606934	GNAO1, PDE8B, PIK3R2, PDE4B, NOS2, PDE4D	0.500034535	NA	#VALUE!	FOS	0.187931682
P2Y Purigenic Receptor Sig	NFKB1	0.225423921	#VALUE!	0.006606934	NA	#VALUE!	PLCB4, PLCE1, PRKCD, GNAI1, PIK3CB, GNG2, CREB5 , ADCY7, PRKD1, PRKCB	0.805563908	FOS	0.176603782
Dendritic Cell Maturation	NFKB1	0.261818301	#VALUE!	0.006606934	6, FCGR1A	0.427562886	COL3A1	0.002570396	COL1A2, COL1A1, CB08, FCGR1A	0.005248075
IL-1 Signaling	NFKB1	0.223872114	#VALUE!	0.005754399	NA	#VALUE!	NA	#VALUE!	FOS	0.167494288
CXCR4 Signaling	CXCR4	0.256448404	#VALUE!	0.005128614	1, LYN, PIK3R2, ITPR1, PRKCB	0.149279441	GNAI1, RHO1, ITPR1, MYL1, PLCB4, PRKCD, GNAO1, I, LYN, PIK3CB, GNG2, ADCY7, PRKD1, PRKCB	0.805563908	FOS, EGR1	0.10964782
Chemokine Signaling	CCL4, CXCR4	0.126182753	#VALUE!	0.005128614	CCL4, RRSAS2, CCL2, CCL7, CXCR4, PPP1R12B, PRKCB	0.128233058	PLCB4, CCL4, CAM2D2, CCL2, GNAI1, PPP1R12B, PP 1R12A, CCL2A, LIMK2, PPP1CA, PRKCB	0.244906324	FOS	0.166341265

