

Interaction	Official Gene Symbol		
LPS results in increased expression of:	A2M	GDI1	PBX2
	Abcb1	GSTP1	PDE1C
	ABCC1	HAP1	PDYN
	ABCC3	HD	PHGDH
	ABCG1	HGF	PLAUR
	ABL1	Hist3	PLCG1
	ACTB	HMOX2	PML
	ADRB2	HTR2C	PNOC
	ASL	HTR7	POLA
	BAPX1	IFNG	PPEF2
	BTG2	IFNGR2	Prkacb
	CCL4	IGFBP1	PRTN3
	CD14	IL10	PSEN1
	CD40	IL1A	Ptch1
	CDC25A	IL1B	PTGFR
	CDC2L1	IL1RN	RAD51
	CDKN1C	IL6	RARB
	CDKN2D	IL6R	REL
	CEPB	IRF1	RXRB
	CHRNA1	ITGA7	SEMA3B
	CITED2	JUB	SEMA5A
	COBL	JUN	SERPINB2
	COL10A1	KCNH1	SERPINE1
	CPT1A	KCNJ12	SERPINI1
	CRHR1	KITLG	SFRP2
	CRP	KL	SLC1A5
	CUTL2	KLF1	SLC1A6
	CXCL2	KNG1	SLC39A14
	DFFB	Krt2-4	SLPI
	DMC1	LDB2	SMARCB1
	DSC2	LDLR	SOCS1
	E2F3	LEP	SOCS2
	EDN3	LTA	SOX13
	EPHB2	MAF1	Srpk2
	ESR1	MAP3K7	SYT3
	F2RL3	Marcks1	THPO
	FAAH	MC5R	TNF
	FANCC	Mt1	TNFSF8
	FASLG	MYBL2	TSC2
	FGF9	MYF6	TSG101
	FGR	NCAM2	TTR
	FMN1	NEF3	TUB
	FOS	NFKB1	TUBB4
	FOSB	NGFB	TWIST2
	FOXL1	NKX6-2	UGT1A7
	FXN	NOS2A	Vegfa
	FZD9	NOTCH3	VTN
	GABRA1	OCLN	WNT5B
	GABRB2	Odc1	WSB1
	GADD45A	ORM1	ZFPM1
	GALR1	PAX8	

Interaction	Official Gene Symbol		
LPS results in decreased expression of:	ABCB11 Abcb1a ABCC2 ABCC3 ABCC6 ABCG1 ABCG5 ADAM8 ADORA3 AFF2 Alb AR Atp2b2 BMP6 CASP1 CASP2 CCNA1 CCNB2 CCNE2 CCNT1 CD14 CER1 CFL1 CKS2 CLU Cmkrl1 COL6A1 CRHBP CRP CSF3 CTCF CYP1A1 CYP3A11 DBP DGCR6 DKK1 Dlgh4 DLK1 DSG3 EBF2 ELK3 EPHA6 FABP1 FGF14 FGF5 FGF7 FOS FOXA2	FOXJ1 GAP43 GDF9 GLI2 GNAO1 GPI GRID1 GRPR GSR GSTA1 GSTA2 HAP1 HDH HESX1 HNF4A HOXC8 HSF2 HTR2C IFNB1 IGF2 IL7R IRF1 ITGA7 JARID2 KCNK2 KCNQ1 LAMC2 LCAT2 LEP LIF LIMK1 ME1 MME MMP11 MMP14 MMP2 MRE11A MSX2 MYF6 NEUROD6 NKX2-6 NQO1 NR0B2 NR112 NR113 OXTR Pdgfrb PITX3	PNMT POR PRRX2 PSEN1 PSEN2 PTK6 PTPN11 RAD23A RAD52 RAG2 RARA RB1 RELA RPS6KA1 RRAS RXRA RXRB RXRG SCN7A SEMA4D SHH SLC10A1 SLC22A1 SLC22A8 Slco1a1 Slco1a4 Slco1b2 SOX13 SRC STAT1 TBP TCF1 THRA THRA THRA THRSP TLL1 TLN1 TSG101 TUB UBE2B VAT1 VAV1 VIPR2 WSB1 XRCC6
LPS does not affect the expression of:	ABCB11 ABCC2 ABCC5	Mt1 NR1H4 PPARA	RARA RXRA SLC22A7

Interaction	Official Gene Symbol		
LPS results in increased phosphorylation of:	JUN MAPK1	MAPK14 MAPK3	MAPK8 MAPK9
LPS results in increased secretion of:	IL1B	TNF	
LPS results in decreased activity of:	RXRA RXRB	THRA	THRΒ
LPS affects the localization of:	ABCB11 ABCC2	RXRA	SLC39A14
LPS does not affect the localization of:	RARA		
LPS results in increased degradation of:	NFKBIA		