

**Confusoside from *Anneslea fragrans* Alleviates
Acetaminophen-Induced Liver Injury in HepG2 via PI3K-CASP3
Signaling Pathway**

Contents of Supporting Information

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name	Gene	name	Gene
Liver injury	SEC63	Confusoside	SLC5A2
Liver injury	PKD1	Confusoside	SLC5A1
Liver injury	TP53	Confusoside	TYR
Liver injury	IL6	Confusoside	SRD5A1
Liver injury	PRKCSH	Confusoside	SLC5A4
Liver injury	TNF	Confusoside	SLC28A3
Liver injury	PKHD1	Confusoside	EPHX2
Liver injury	GANAB	Confusoside	AKR1B1
Liver injury	CTNNB1	Confusoside	CYP19A1
Liver injury	MIR122	Confusoside	ADORA2A
Liver injury	NBAS	Confusoside	PTPN1
Liver injury	MARS1	Confusoside	SLC29A1
Liver injury	GPT	Confusoside	SLC28A2
Liver injury	ALB	Confusoside	PDE5A
Liver injury	PKD2	Confusoside	PTPN2
Liver injury	PNPLA3	Confusoside	TDP1
Liver injury	TSC2	Confusoside	IMPDH1
Liver injury	HFE	Confusoside	MMP1
Liver injury	ABCB11	Confusoside	MMP7
Liver injury	MIR21	Confusoside	MMP8
Liver injury	APOE	Confusoside	TOP1
Liver injury	KRT18	Confusoside	ADORA1
Liver injury	SERPINA1	Confusoside	CA14
Liver injury	F2	Confusoside	ADORA2B
Liver injury	TERT	Confusoside	IGFBP3
Liver injury	IL10	Confusoside	TERT
Liver injury	NR1H4	Confusoside	HRAS
Liver injury	RINT1	Confusoside	YARS
Liver injury	LRP5	Confusoside	HSP90AB1
Liver injury	PHKA2	Confusoside	ADK
Liver injury	MET	Confusoside	MGMT
Liver injury	EGF	Confusoside	EGFR
Liver injury	APC	Confusoside	HCAR2
Liver injury	ALG9	Confusoside	DNTT
Liver injury	MIR34A	Confusoside	ALB
Liver injury	ABCB4	Confusoside	PIK3CA
Liver injury	TGFB1	Confusoside	PIM1
Liver injury	TSC1	Confusoside	AGTR1
Liver injury	HNF1A	Confusoside	DYRK2
Liver injury	INS	Confusoside	PYGL
Liver injury	MIR155	Confusoside	IGFBP5

Liver injury	SLC17A5	Confusoside	MMP9
Liver injury	KRT8	Confusoside	CSNK2A1
Liver injury	CASP8	Confusoside	MAPK8
Liver injury	PIK3CA	Confusoside	CASP3
Liver injury	AFP	Confusoside	ESR1
Liver injury	NAFLD1	Confusoside	PNP
Liver injury	CYP2E1	Confusoside	KDM3A
Liver injury	MIR146A	Confusoside	CXCR2
Liver injury	GYS2	Confusoside	KDM4C
Liver injury	FABP1	Confusoside	ITK
Liver injury	IL1B	Confusoside	IRAK4
Liver injury	PPARG	Confusoside	KDM4A
Liver injury	PYGL	Confusoside	HSPA8
Liver injury	HADHA	Confusoside	HSPA5
Liver injury	ABCC2	Confusoside	FYN
Liver injury	NAFLD2	Confusoside	TTR
Liver injury	CPT1A	Confusoside	SELE
Liver injury	GGT1	Confusoside	TYMP
Liver injury	POLG	Confusoside	BCL2A1
Liver injury	MIR17	Confusoside	VCP
Liver injury	MIR27A	Confusoside	MME
Liver injury	ARG1	Confusoside	PARP1
Liver injury	HNF4A	Confusoside	PTGER1
Liver injury	CYP3A4	Confusoside	GSK3B
Liver injury	CXCL8	Confusoside	AMPD3
Liver injury	SERPINE1	Confusoside	CDC25B
Liver injury	CRP	Confusoside	RAF1
Liver injury	MIR15A	Confusoside	ATIC
Liver injury	FARSB	Confusoside	ALOX12
Liver injury	IGF2R	Confusoside	BRAF
Liver injury	UGT1A1	Confusoside	ITGB1 ITGA4
Liver injury	HGF	Confusoside	MARS
Liver injury	SLCO1B1	Confusoside	P2RX3
Liver injury	HMOX1	Confusoside	AKR1B10
Liver injury	TLR4	Confusoside	DHODH
Liver injury	LARS1	Confusoside	CDK2 CCNA1 CCNA2
Liver injury	IFNG	Confusoside	SLC2A1
Liver injury	ATP8B1	Confusoside	BMP1
Liver injury	GFER	Confusoside	PRKACA
Liver injury	SOD1	Confusoside	LGALS4

Liver injury	MIR223	Confusoside	PDE7A
Liver injury	AXIN1	Confusoside	LGALS8
Liver injury	KRAS	Confusoside	NR4A1
Liver injury	HLA-DRB1	Confusoside	GBA
Liver injury	NOS2	Confusoside	RARS
Liver injury	ALG8	Confusoside	MAPK9
Liver injury	MIR203A	Confusoside	ECE1
Liver injury	ATP7B	Confusoside	LTA4H
Liver injury	MIR200B	Confusoside	FOLH1
Liver injury	IGF1	Confusoside	SCN4A
Liver injury	MIR22	Confusoside	SCN2A
Liver injury	CDKN3	Confusoside	BCL2L2
Liver injury	MIR221	Confusoside	PPP1CA
Liver injury	MIR106B	Confusoside	RNASEH1
Liver injury	MIR181B1	Confusoside	TYMS
Liver injury	APOA1	Confusoside	PRKCA
Liver injury	CPT2	Confusoside	CHIA
Liver injury	G6PC1	Confusoside	CASP6
Liver injury	MIR143	Confusoside	CASP7
Liver injury	MIR222		
Liver injury	CASP3		
Liver injury	MIR93		
Liver injury	MIR181A1		
Liver injury	MIR29A		
Liver injury	SLC25A13		
Liver injury	MIR25		
Liver injury	MIR20A		
Liver injury	STAT3		
Liver injury	FAH		
Liver injury	MMP9		
Liver injury	HAMP		
Liver injury	PPARA		
Liver injury	TTR		
Liver injury	DNAJB11		
Liver injury	MIR19A		
Liver injury	EPO		
Liver injury	MIR195		
Liver injury	ADIPOQ		
Liver injury	NR1H3		
Liver injury	MAPK1		
Liver injury	MIR23B		
Liver injury	MIR127		
Liver injury	F5		

Liver injury	MIR181A2		
Liver injury	TF		
Liver injury	CP		
Liver injury	CYP1A2		
Liver injury	PDGFRL		
Liver injury	MIR191		
Liver injury	VEGFA		