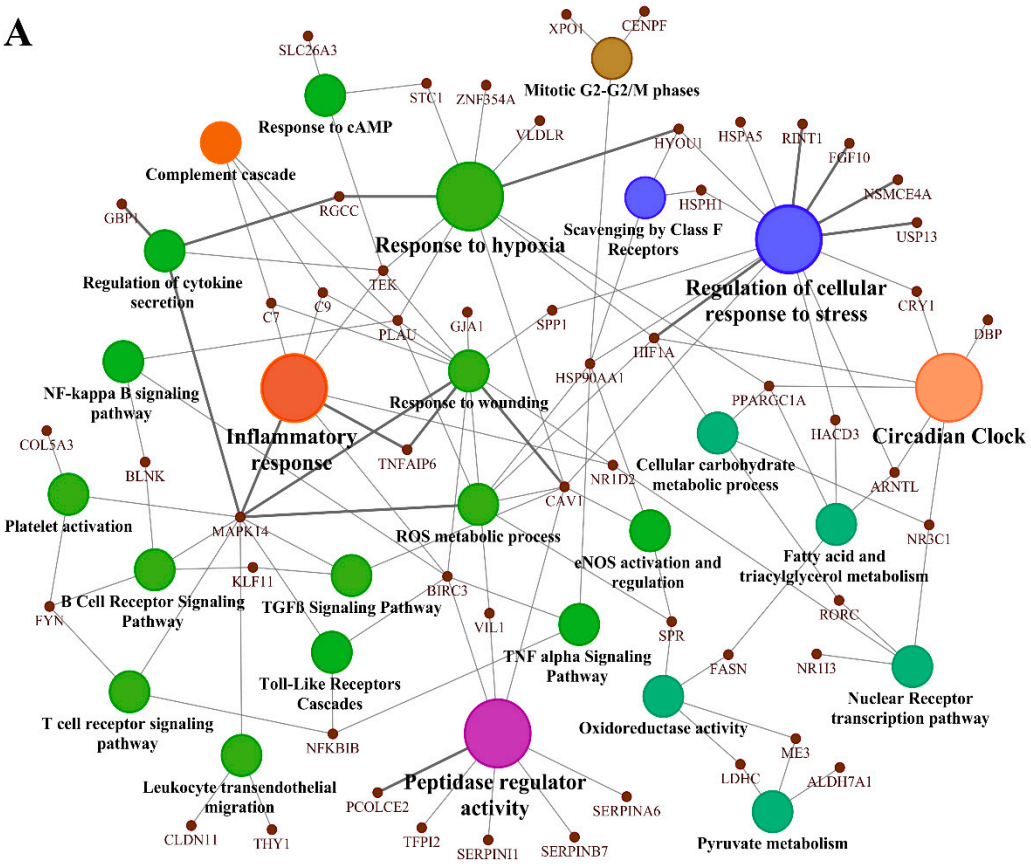
Supplementary Figure S1: Gene ontology and pathway mapping network of hepatic DEGs in response to low dose diclofenac treatment.

A visualization of hepatic enriched pathway terms and biological processes was computed with the ClueGO and the GeneXplain software of low dose treated animals.

Panel A: Network constructed by the GO plug-in ClueGO of the Cytoscape software.

Panel B: The enriched biological processes and pathways annotated with the GeneXplain platform and visualized using the Cytoscape software version 3.4. The red and green colored nodes illustrate up- and down regulated genes, respectively.


A
XPO1
CENPF
SLC26A3
Mitotic G2-G2/M phases
STC1
ZNF354A
Response to cAMP
VLDLR
HYOU1
HSPA5
RINT1
FGF10
Complement cascade
HSPH1
NSMCE4A
RGCC
Scavenging by Class F Receptors
USP13
GBP1
Response to hypoxia
Regulation of cytokine secretion
TEK
Regulation of cellular response to stress
CRY1
C7
C9
PLAU
GJA1
SPP1
HIF1A
DBP
HSP90AA1
NF-kappa B signaling pathway
Response to wounding
PPARGC1A
Circadian Clock
Inflammatory response
IIACD3
COL5A3
TNFAIP6
Cellular carbohydrate metabolic process
NR1D2
BLNK
ARNTL
CAV1
Platelet activation
MAPK14
ROS metabolic process
NR3C1
eNOS activation and regulation
Fatty acid and triacylglycerol metabolism
KLF11
BIRC3
B Cell Receptor Signaling Pathway
TGFB Signaling Pathway
FYN
RORC
VIL1
SPR
TNF alpha Signaling Pathway
Toll-Like Receptors Cascades
FASN
NR1I3
Nuclear Receptor transcription pathway
T cell receptor signaling pathway
Oxidoreductase activity
NFKBIB
ME3
Peptidase regulator activity
LDHC
ALDH7A1
Leukocyte transendothelial migration
PCOLCE2
SERPINA6
Pyruvate metabolism
CLDN11
THY1
TFPI2
SERPINI1
SERPINB7
B
CYP2C32
PLP1
ENO4
Fatty acid metabolic process
FASN
LDHC
Response to cytokine stimulus
Glucose metabolic process
MAPK6
GBP1
PTPLAD1
HIF1A
STC1
AQP4
KRT8
VLDLR
DBP
RORC
AFP
MAPK cascade
PPARGC1A
Response to hypoxia
MAPK14
Circadian rhythm
PLAU
HSPA5
DAPK1
NUDT15
RGCC
FGF10
NR3C1
ARNTL
PLLP
HYOU1
VIL1
SIX1
KLF11
RBM3
Stress response
TEK
CRY1
RINT1
CAV1
WDR33
Cell death and Apoptosis
BIRC3
RAD51AP1
NSMCE4A
APBB1
DNA damage response
HSPH1
TOP2A
SPP1
SIX4
MDK
BAZ1B
GJA1
TNFAIP6
NFKBIB
THY1
BLNK
C9
FYN
Leukocyte migration
C7
Inflammatory response
BIRC3
HSP90AA1
T cell activation
Immune response