

**Table S5 Top 20 significantly enriched KEGG pathways of DEGs in liver tissues.**

<b>Term</b>	<b><i>p</i>-value</b>	<b>Enrichment_score</b>	<b>Genes</b>
<b>Glycerolipid metabolism</b>	0.014774705	5.763097072	LIPC;LIPG;LPL
<b>PPAR signaling pathway</b>	0.017613569	5.397186147	APOA1;APOC3;LPL
<b>Cell adhesion molecules</b>	0.023577795	3.626909091	NTNG2;SLITRK4;SLITRK5;SLITRK6
<b>Neuroactive ligand-receptor interaction</b>	0.08284269	1.954153605	ADRA2C;CNR1;GIPR;GLRA2;NPFFR1;RXFP3
<b>RIG-I-like receptor signaling pathway</b>	0.084208518	4.121487603	IL8L1;NFKBIA
<b>Apoptosis</b>	0.09176775	2.787071535	GADD45B;LOC768589;NFKBIA
<b>Cytokine-cytokine receptor interaction</b>	0.09547838	2.289715335	BMP8A;CXCL13;IL8L1;LOC112532694
<b>Adrenergic signaling in cardiomyocytes</b>	0.100579447	2.677344309	CREM;KCNQ1;PPP1R1A
<b>NOD-like receptor signaling pathway</b>	0.100579447	2.677344309	IL8L1;MAP1LC3C;NFKBIA
<b>Toll-like receptor signaling pathway</b>	0.159611203	2.798540965	IL8L1;NFKBIA
<b>Histidine metabolism</b>	0.162707555	5.667045455	CARNS1
<b>ECM-receptor interaction</b>	0.162726403	2.764412417	ITGB6;LOC101748017
<b>Phototransduction</b>	0.170124682	5.397186147	GUCA1A
<b>Glycerophospholipid metabolism</b>	0.197658129	2.437438905	ETNPPL;LCAT
<b>TGF-<math>\beta</math> signaling pathway</b>	0.207354797	2.361268939	BMP8A;LOC112532694
<b><math>\beta</math>-Alanine metabolism</b>	0.213297596	4.197811448	CARNS1
<b>Ferroptosis</b>	0.254272945	3.434573003	MAP1LC3C
<b>Retinol metabolism</b>	0.293160117	2.906177156	ALDH1A3
<b>Apelin signaling pathway</b>	0.299320173	1.828079179	GNGT2;MAP1LC3C
<b>Arginine and proline metabolism</b>	0.305676604	2.764412417	CARNS1