

Table 2 Physiological and biochemical parameters of sham-operated (Sham) and bile duct ligation (BDL) rat serum at day 14 following surgery (n = 6).

parameters	Sham rats	BDL rats
Body weight (BW) (g)	268±19	262±17
Liver weight (% of BW)	2.76±0.28	6.50±0.74**
Spleen weight (% of BW)	0.26±0.07	0.48±0.05**
AST (IU/L)	28.15±11.59	67.51±27.59**
ALT (IU/L)	7.81±6.08	22.19±8.37**
AKP (IU/L)	148.03±48.54	390.15±233.75*
Total bile acids (μmol L⁻¹)	69.90±41.79	130.33±13.59**
Total bilirubin (μmol L⁻¹)	1.45±2.05	163.48±41.51**
Direct bilirubin (μmol L⁻¹)	0.73±0.22	138.28±10.07**
Blood ammonia (μmol L⁻¹)	263.73±23.09	369.59±24.34**

Data were expressed as mean±SD, * $p < 0.05$ or ** $p < 0.01$ vs Sham rats. AST, ALT and AKP represent aspartate transaminase, alanine transaminase and alkaline phosphatase, respectively.