

Supplementary Table S3 Information on the dataset included in the study.

Dataset	Research object	Disease/model	Sample size: disease/model v.s. control
GSE79850	Homo sapiens	Primary biliary cholangitis	16/8
GSE159676	Homo sapiens	Primary sclerosing cholangitis	12/6
GSE47585	Mus musculus	EE	5/5