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New insights into bacterial bile resistance mechanisms: the role of bile salt hydrolase and its impact on human health

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Abbreviations: BA, bile acids; BSH, bile salt hydrolase; CA, cholic acid; CDCA, chenodeoxycholic acid; DCA, deoxycholic acid; LCA, lithocholic acid MCA, muricholic acid; CYP7A1, cholesterol 7- α hydroxylase; *L.*, *Lactobacillus*; *B.*, *Bifidobacterium*; EPS, exopolysaccharide; FXR, farnesoid X receptor; TGR5, G protein-coupled receptor; SHP, small heterodimer partner; FGF, fibroblast growth factor; AGP, antibiotic growth promoters; VLDL, very low-density lipoprotein; LDL, low-density lipoprotein; HDL, high-density lipoprotein SCFAs, short chain fatty acids.

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