

Significance of the L-proline metabolism for *Helicobacter pylori*

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*Helicobacter pylori* is a primary cause of severe gastric disorders. Deletion of genes encoding L-proline transport or metabolizing proteins renders *H. pylori* incapable of gastric colonization. We attempt to unravel the mechanisms underlying the particular significance of L-proline and L-proline-specific systems for *H. pylori* physiology and virulence. The project may contribute to the development of new therapeutic strategies against *H. pylori* infections in cases of resistance to conventional treatment.