

KEY WORDS AND PHRASES FOR Ability to Invade Host Cells

Activate the host cell's cytoskeletal machinery enabling bacterial entry into the cell by phagocytosis

Autoinducer/receptor complexes are able to bind to DNA promoters and activate the transcription of quorum sensing-controlled genes.

Invade phagocytic cells, neutralize their killing ability, and turn them into a safe haven for bacterial replication

Motility and invasins

Protecting the bacteria from complement, antibodies, and other body defense molecules

Providing the bacterium with a ready supply of nutrients

Quorum Sensing

Shigella, *Salmonella*, enteroinvasive *Escherichia coli*

The production, release, and community-wide sensing of molecules called autoinducers that modulate gene expression in response to the density of a bacterial population.

Treponema pallidum, *Borrelia burgdorferi*

Type 3 secretion system