

Aeromonas salmonicida subsp. achromogenes and the effect of the autoinducer synthase AsaI on bacterial virulence

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OS in Aeromonas salmonicida subsp. achromogenes and its relation to bacterial phenotypes and virulence in Arctic charr (Salvelinus alpinus L.) with emphasis on the role of the autoinducer synthase AsaI and the effect of synthetic QS inhibitors (QSI)





























Species	QS system	Quorum sensing- regulated virulence	References
Aeromonas hydrophila	Al-1	biofilm formation, exoprotease production virulence	Swift et al. (1997), Swift et al. (1999); Lynch et al. (2002); Bi et al.(2007)
Aeromonas salmonicida	Al-1	serine protease production	Swift et al. (1997), Rash et al. (2007)
Vibrio anguillarum	Al-1, Al-2	mortality	Milton et al. (1997) Rash (2004), Milton et al. (2004)
Vibrio salmonicida	Al-1	virulence	Nelson et al (2007)
Vibrio harveyi	Hai-1, Cai-1, Ai-2	siderophore production, production of type III secretion system components, extracellular	Bassler et al. (1993), Lilley and Bassler (2000), Manefield et al. (2000), Mok et al. (2003), Henke & Bassler (2004), Tinh et al.
Vibrio alginolyticus	Al-1, Al-2	virulence	Ye et al. (2007); Wang et al. (2008); Tian et al. (2008)
Vibrio parahaemolyticus	Al-1	opacity	McCarter (1998)
Vibrio vulnificus	Al-2	protease and haemolysin production, lethality to mice	McDougald et al. (2000), Kim et al. (2003)
Edwardsiella tarda	Al-1	55 kDa virulence factor	Morohoshi et al. (2004)
Yersinia ruckeri	Al-1	unknown	Kastbjerg et al. (2006)



