

SUPPLEMENTARY MATERIAL

***In vitro* virulence characteristics of rare serovars of *Salmonella enterica* isolated from sand lizard (*Lacerta agilis* L.)**

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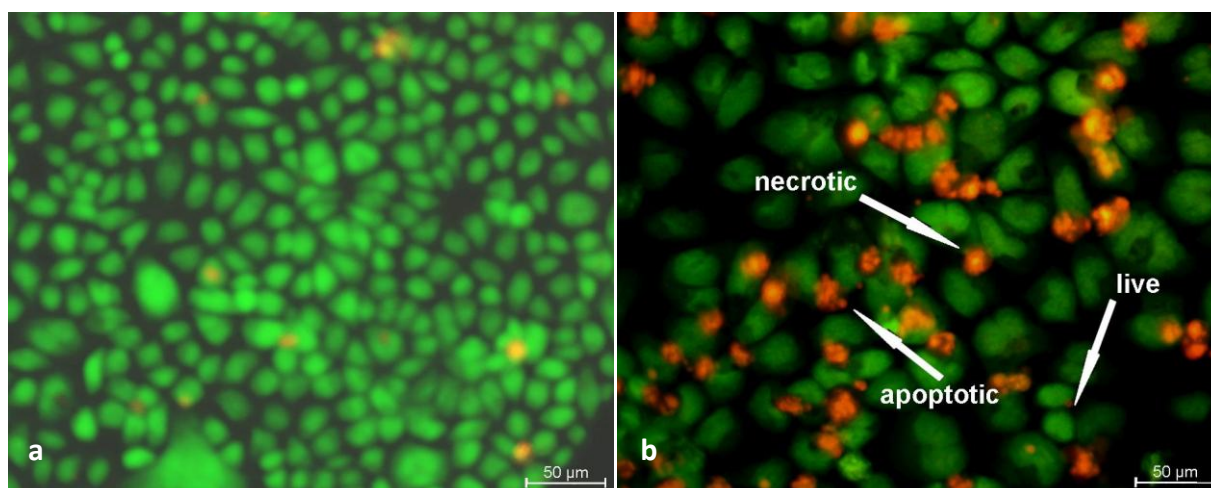
Supplementary Table 1 Function and location of *Salmonella enterica* virulence genes investigated

Gene	Function	Location	Reference
<i>avrA</i>	cysteine protease(inhibits proinflammatory anti-apoptotic NF-kappa B pathway)	SPI-1	Streckel et al. 2004
<i>invA</i>	invasion protein, host recognition/invasion		Lara-Tejero and Galán 2009
<i>orgA</i>	putative component of T3SS, host recognition/invasion		Klein et al. 2000
<i>prgH</i>	host recognition/invasion		Klein <i>et al.</i> 2000
<i>sipB</i>	entry into nonphagocytic cells, killing of macrophages		Lara-Tejero and Galán 2009
<i>spaN</i>	entry into nonphagocytic cells, killing of macrophages		Lara-Tejero and Galán 2009
<i>ssaQ</i>	T3SS protein	SPI-2	Kuhle and Hensel 2004
<i>spiA</i>	outer-membrane component of the SPI-2 T3SS, survival within macrophage, biofilm formation		Dong et al. 2011
<i>mgtC</i>	intramacrophage survival protein	SPI-3	Blanc-Potard et al. 1999
<i>siiD</i>	HL YD family secretion protein	SPI-4	Morgan et al. 2007
<i>sopB</i>	effector protein secreted via T3SS-1 host recognition/invasion	SPI-5	Wood et al. 1998
<i>sopE</i>	T3SS effector protein	SPI-7/MPI	Ehrbar and Hardt 2005

Gene	Function	Location	Reference
<i>msgA</i>	survival within macrophages	SPI-11	Morgan 2007
<i>pagC</i>	survival within macrophages	SPI-11	Gunn et al. 1995
<i>cdtB</i>	host recognition/invasion	cdtB islet/SPI11	Haghjoo and Galan 2004
<i>lpfC</i>	host recognition/invasion	pathogenicity islet	Weening et al. 2005
<i>sifA</i>	Efector protein of T3SS-2 Filamentous structure formation	pathogenicity islet	Kuhle and Hensel 2004
<i>sodC1</i>	periplasmic Cu, Zn-superoxide dismutase	<i>Gifsy2</i>	Fang et al. 1999
<i>gipA</i>	Peyer's patch-specific virulence factor	<i>Gifsy1</i>	Stanley et al. 2000
<i>bcfC</i>	bovine colonization factor	33-kb island	Weening et al. 2005
<i>spvC</i>	growth and survival within the host	virulence plasmid	Sabbagh et al. 2010
<i>pefA</i>	host recognition/invasion		Bäumler et al. 1996
<i>tolC</i>	host recognition/invasion	chromosome	Skyberg et al. 2006
<i>fyuA</i>	yersiniabactin receptor protein	HPI	Schubert et al. 1998
<i>iutA</i>	aerobactin receptor protein	IncFIB plasmid	Han et al. 2012
<i>iroN</i>	salmochelin receptor protein	chromosome	Sorsa et al. 2003

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Supplementary Fig 1 HeLa cells stained with AO/EB and observed by fluorescence microscopy: **a)** Non-infected HeLa cells **b)** HeLa cells infected with *S. Schleissheim J6*. Arrows indicate live (green), apoptotic (red with fragmented nuclei), and necrotic (red) cells