

Supplementary Table 1. *Ehrlichia chaffeensis* virB/D loci

Chromosomal coordinates	operon or gene	Coordinates of promoter regions used for:	
		EMSA	Reporter construct
42178-36100	<i>virB8-1</i> → <i>virB9-1</i> → <i>virB10</i> → <i>virB11</i> → <i>virD4</i>	42418-42161	42628-42179
480037-501957	<i>sodB</i> → <i>virB3</i> → <i>virB4-1</i> → <i>virB6-1</i> → <i>virB6-2</i> → <i>virB6-3</i> → <i>virB6-4</i>	479718-480068	479684-480036
1073487-1071112	<i>virB4-2</i>	1073853-1073489	1073853-1073489
588503-589192	<i>virB8-2</i>	588103-588505	588049-588502
207062-206250	<i>virB9-2</i>	207405-207079	207405-207063

Supplementary Table 2. Prediction of the transcriptional start sites and Sigma⁷⁰ promoter elements of *virB4-2*, *virB8-2* and *virB9-2*.

Gene name	-35 box		-10 box		Transcriptional start site
	Position	Sequence	Position	Sequence	
<i>virB4-2</i>	-271→-266	TTAAAT	-246→-238	TTGTATAAT	-231
<i>virB8-2</i>	-283→-278	TTAACA	-264→-256	AGCTAACTT	-248

virB9-2 -352→-347 TTCACA -328→-320 TGCTAAAAT -313
