

Supplementary information for Kerrinnes et al., **Utilization of host polyamines in alternatively activated macrophages promotes chronic infection by *Brucella abortus***

Fig. S1

Table S1. Composition of modified F12/K media

Table S2. Real-time PCR oligonucleotides

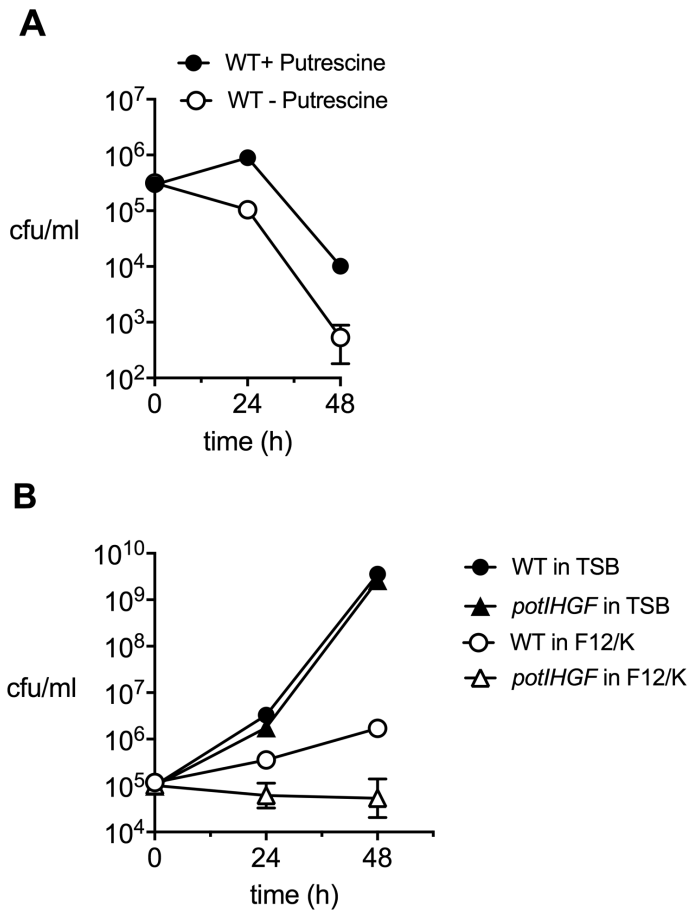


Fig. S1: (A) Growth of *B. abortus* in F12/K medium formulated with or without putrescine. **(B)** Growth of *B. abortus* 2308 or *potIHGF* mutant in TSB or in F12/K medium containing putrescine as sole carbon source.

Table S1. Composition of modified F12/K media

	concentration [mg/L]	source
amino acids		
MEM Amino Acids Solution	1X	Life Technologies
MEM Non-Essential Amino Acids Solution	1X	Life Technologies
L-Glutamine	292	Life Technologies
Vitamins		
1X MEM Vitamin Solution		Life Technologies
Biotin	0.07	Sigma-Aldrich
Vitamin B ₁₂	1.4	Sigma-Aldrich
Inorganic Salts and additional substances		
Calcium Chloride (CaCl ₂) (anhyd.)	102	Sigma-Aldrich
Cupric sulfate (CuSO ₄ ·5H ₂ O)	0.002	Sigma-Aldrich
Ferric sulfate (FeSO ₄ ·7H ₂ O)	0.8	Sigma-Aldrich
Magnesium Chloride (anhyd.)	49.7	Sigma-Aldrich
Magnesium Sulfate (MgSO ₄) (anhyd.)	192	Sigma-Aldrich
Sodium Chloride (NaCl)	8500	Sigma-Aldrich
Sodium Bicarbonate (NaHCO ₃)	2500	Sigma-Aldrich
Sodium Chloride (NaCl)	7530	Sigma-Aldrich
Sodium Phosphate dibasic (Na ₂ HPO ₄) (anhyd.)	115.5	Sigma-Aldrich
Sodium Phosphate monobasic (NaH ₂ PO ₄) (anhyd.)	59	Sigma-Aldrich
Zinc sulfate (ZnSO ₄ ·7H ₂ O)	0.144	Sigma-Aldrich
D-Glucose (Dextrose)	1260	Sigma-Aldrich
Hypoxanthine Na	4	Sigma-Aldrich
Lipoic Acid	0.21	Sigma-Aldrich
Phenol Red	3	Sigma-Aldrich
Sodium Pyruvate	220	Sigma-Aldrich
Thymidine	0.7	Sigma-Aldrich
Putrescine 2HCl, when needed	0.32	Santa Cruz - Biotechnology

Table S2. Real-time PCR oligonucleotides used in the study:

	primer sequence (5' to 3')
mArg1-Fwd	GCTGTCTTCCCAAGAGTTGGG
mArg1-Rev	ATGGAAGAGACCTTCAGCTAC
mRplp0-2-Fwd	GATGGGCAACTGTACCTGACTG
mRplp0-2-Rev	CTGGGCTCCTCTTGGAATG
mSlc7a2-Fwd	GCCTTTGTGGGCTTTGACTG
mSlc7a2-Rev	CCATCCTCCGCCATAGCATA
mYm1-Fwd	GGGCATACCTTTATCCTGAG
mYm1-Rev	CCACTGAAGTCATCCATGTC