Supplementary Material

Mannheimia haemolytica negatively affects Bovine Herpesvirus type 1.1 replication capacity in vitro.

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Table S1. Colony forming units for dilutions made from single-colony overnight cultures of *M. haemolytica* and *P. multocida*. 10-fold serial dilutions were plated on BHI agar plates in triplicates, and colony forming units per mL (cfu/mL) were counted after 24 hours of incubation at 37ºC.

	Average cfu/mL	
Dilution from o/n culture	*Mannheimia haemolytica*	*Pasteurella multocida*
1×10^{-6}	2.23×10^{2}	2.2×10^{4}
1×10^{-7}	3.67×10^{1}	4.7×10^{3}
1×10^{-8}	2.60×10^{1}	1.5×10^{3}
1×10^{-9}	1.07×10^{1}	8.4×10^{2}
1×10^{-10}	9.00×10^{0}	2.0×10^{1}
1×10^{-11}	2.00×10^{0}	9.0×10^{0}

Table S2. Adherence and invasion assay. MDBK cells were infected with *M. haemolytica* (1:10) and incubated for 2, 4, and 6 hours. Antibiotics (penicillin and streptomycin, P/S) was then added to the cultures for 1 hour, followed by cell lysis and plating on BHI agar.

	Average cfu/mL	
Time (hours)	No P/S added	P/S added
2	1×10^{7}	0
4	8×10^{7}	0
6	3×10^{8}	0

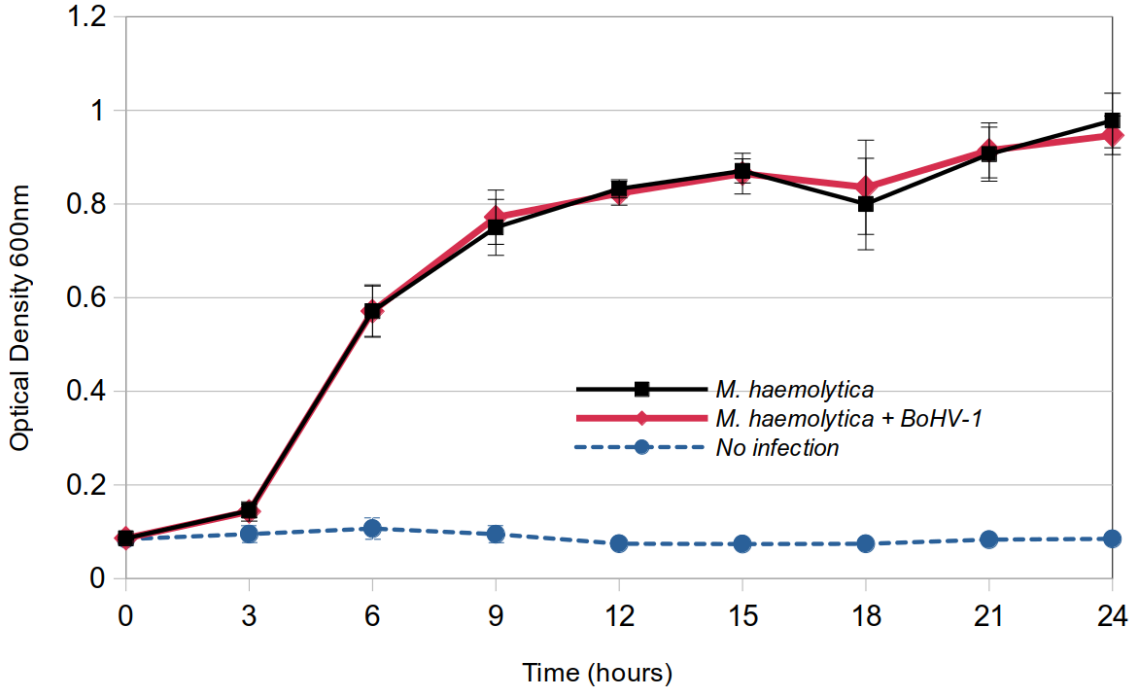


Figure S1. *M. haemolytica* exhibits normal growth in DMEM medium. MDBK cells were seeded into wells containing DMEM plus 5% FBS but containing no antibiotics, and incubated overnight at 37ºC and a 5% CO_2 atmosphere. Single-colony *M. haemolytica* were grown overnight in BHI and diluted 1:100 into wells containing cultured MDBK that had been seeded the night before. Wells were either uninfected (no infection), infected with *M. haemolytica,* or infected with both *M. haemolytica* and Bovine Herpesvirus type 1 (MOI 1). Optical Density was monitored ar regular intervals.