

**Supplementary TABLE 1** | Susceptibility of the *B. ovis* PA mutants to acid and hypersaline stress <sup>a</sup>.

Strain	Log <sub>10</sub> CFU/ml (mean ± SD)	
	pH 4,4	1M NaCl
<i>B. ovis</i> PA	7.84 ± 0.24	6.91 ± 0.08
<i>ΔmucR</i>	7.74 ± 0.20	6.73 ± 0.28
<i>ΔmucR comp</i>	7.78 ± 0.18	7.00 ± 0.08
<i>ΔmucRΔhdeA</i>	7.11 ± 0.46	6.83 ± 0.14
<i>ΔhdeA</i>	7.86 ± 0.08	6.90 ± 0.09

<sup>a</sup> Assays were performed on TSB-YE-HS adjusted to pH 4.4 or containing 1M NaCl as described in Materials and Methods. Bacterial counts were determined after exposure for 24 h. No statistically significant differences were observed between the mutants and the parental strain *B. ovis* PA (*P* > 0.01).