

Table S1: Expression of GDH in wt-BCG, Δgdh mutant and Δgdh complement cultured in 7H9 to mid-logarithmic growth-phase (OD₆₀₀ = 0.5-0.7).

Strain	Expression
<u>mU/mg protein</u>	
wt-BCG	40.82 ± 6.26
Δgdh	0.39 ± 0.40 ***
Δgdh complement	1.06 ± 0.53 ***
<u>16S-normalized expression of <i>gdh</i></u>	
wt-BCG	2.95 ± 0.72
Δgdh	0.00 ± 0.00 na
Δgdh complement	0.50 ± 0.09 *

All procedures followed for GDH specific activity determination and quantification of relative *gdh* mRNA levels are described in the supplementary materials and methods file.

Mean specific activity (mU/mg protein) ± standard deviation was calculated from triplicate culture data.

Mean specific activity was compared between the Δgdh mutant or Δgdh complement and wt-BCG and differences were analysed by one way ANOVA with Bonferroni post-testing.

*** - significantly different from wt-BCG $p < 0.001$

Mean 16S-normalized expression of *gdh* ± standard error was calculated from three independent experiments carried out in duplicate.

Mean 16S-normalized expression of *gdh* was compared between the Δgdh complement strain and wt-BCG and the difference analysed by unpaired two-tailed t-test with Welch's correction.

* - significantly different from wt-BCG $p < 0.05$, na – not applicable