Additional file 2

**Transcriptome Profile of *Corynebacterium pseudotuberculosis* in Response to Iron Limitation**

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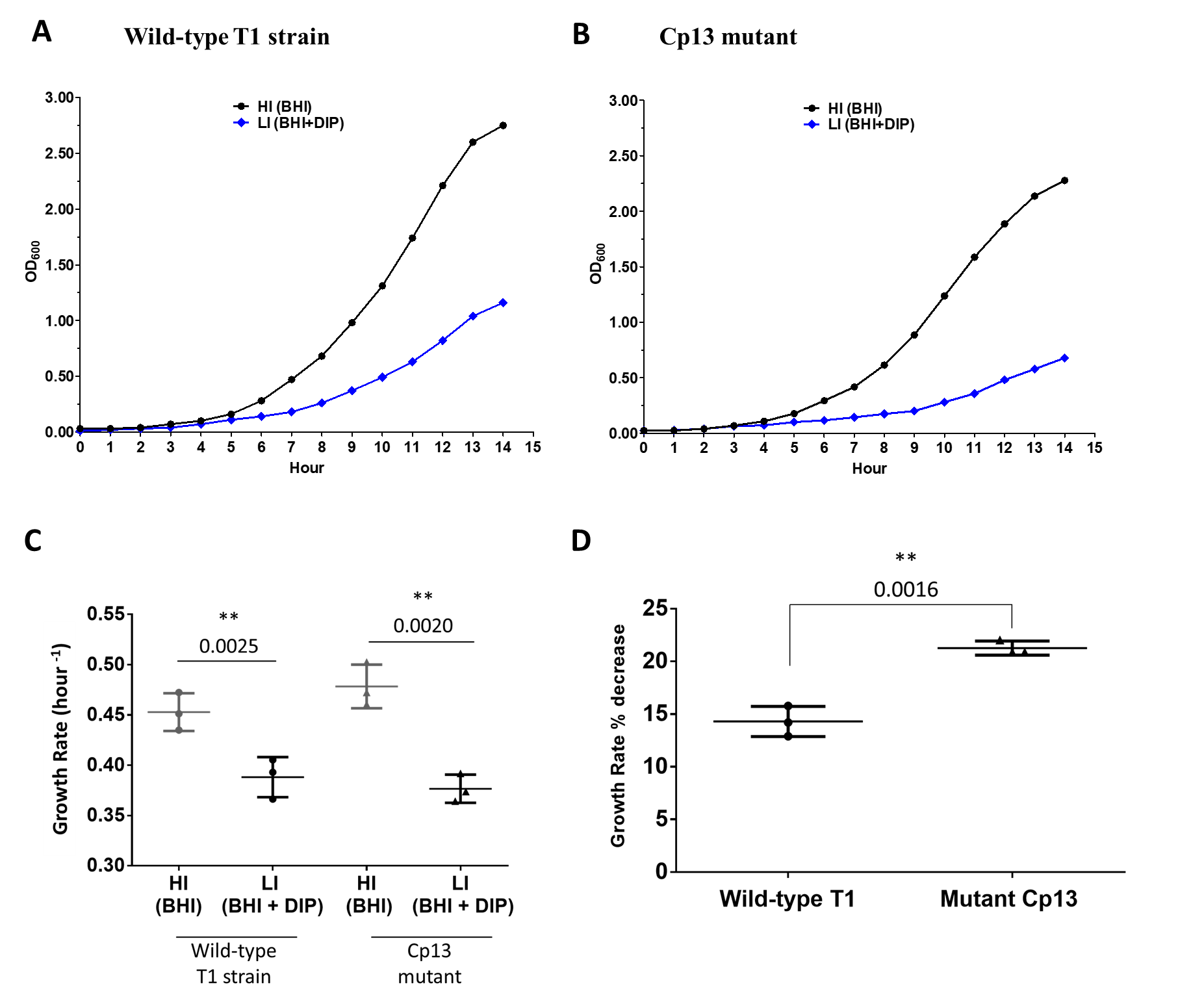


Figure S2. Effect of iron depletion on the growth curve and growth rate of *C. pseudotuberculosis* wild-type T1 strain and Cp13 mutant. Cultures of the (**A**) wild-type T1 strain and the (**B**) Cp13 mutant were cultivated at 37°C in BHI broth (HI – high iron) and BHI broth treated with 250 µM 2,2-dipyridyl (DIP) (LI -low iron). Growth proliferation was measured hourly by optical density for 14 hours at 600nm. For ease of interpretation, data is plotted on a linear scale. (**C**) Log rate plots of OD 600 for the wild-type T1 and Cp13 mutant were calculated using the growth rate equation: , where OD*i* represents the optical density (OD600) at the start of the incubation period (t=0) and OD*f* is the OD600 value at the final incubation time (t= 6h30) in BHI medium, with and without 250 µM 2,2-dipyridyl (DIP). Horizontal lines indicate the mean of 3 individual assays and vertical lines standard deviation (sd) from mean. Statistical analysis using a paired t-test confirmed that iron limitation induced a significant effect on the growth rate of the Cp13 (*p* value = 0.0020) and T1 strains (*p* value = 0.0025). No difference was observed when analyzing HI and LI samples between the strains (student t-test, *p* value > 0.05). (**D**) Limited iron availability induced an average decrease of 21.3% in the growth rate of the Cp13 mutant and 14.3% mean average decrease in the wild-type T1 strain.

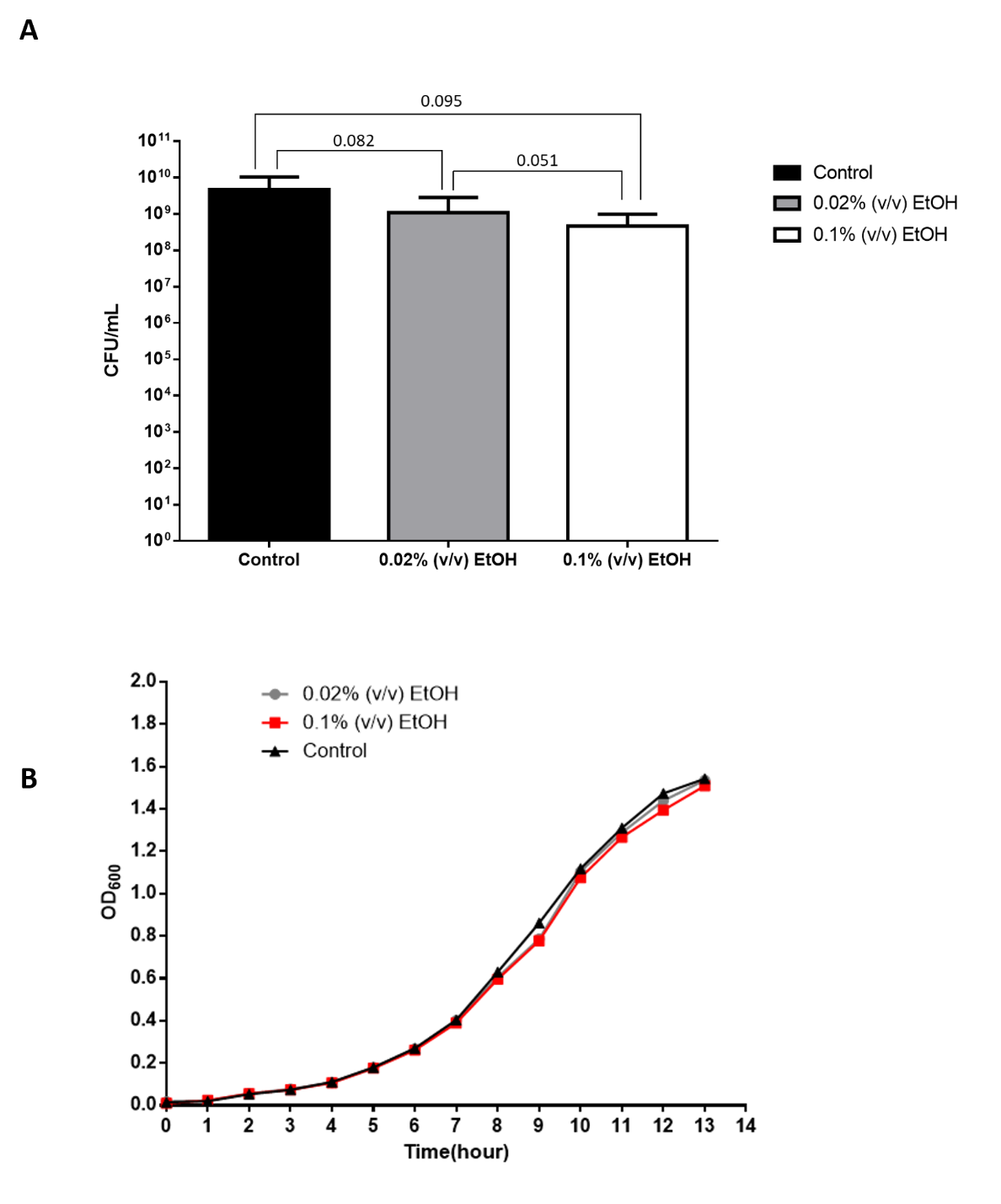


Figure S3. Effects of ethanol on bacterial growth. (**A**) The effects of ethanol on the growth of the *C. pseudotuberculosis* Cp13 strain was measured by determining the number of CFU/mL after 13 hours of incubation in BHI control medium and BHI media supplemented with 0,02% and 0,1% of ethanol (v/v). No significant difference was observed between the CFU counts of control and ethanol supplemented cultures (p > 0.05). (**B)** growth proliferation was measured hourly by optical density for 13 hours at 600nm in control, 0.02% and 0.01% of ethanol cultures.