

Supplemental Materials for

Pyrazinoic Acid Inhibits a Bifunctional Enzyme in *Mycobacterium tuberculosis*

**Moses Njire^{1,2}, Na Wang^{1,4}, Bangxing Wang¹, Yaoju Tan³, Xingshan Cai³, Yanwen
Liu³, Julius Mugweru^{1,2}, Jintao Guo¹, H.M. Adnan Hameed^{1,2}, Shouyong Tan³,
Jianxiong Liu³, Wing Wai Yew⁵, Eric Nuermberger⁶, Gyanu Lamichhane⁶, Jinsong
Liu^{1,2}, Tianyu Zhang^{1,2#}**

*To whom correspondence should be addressed. Email: zhang_tianyu@gibh.ac.cn

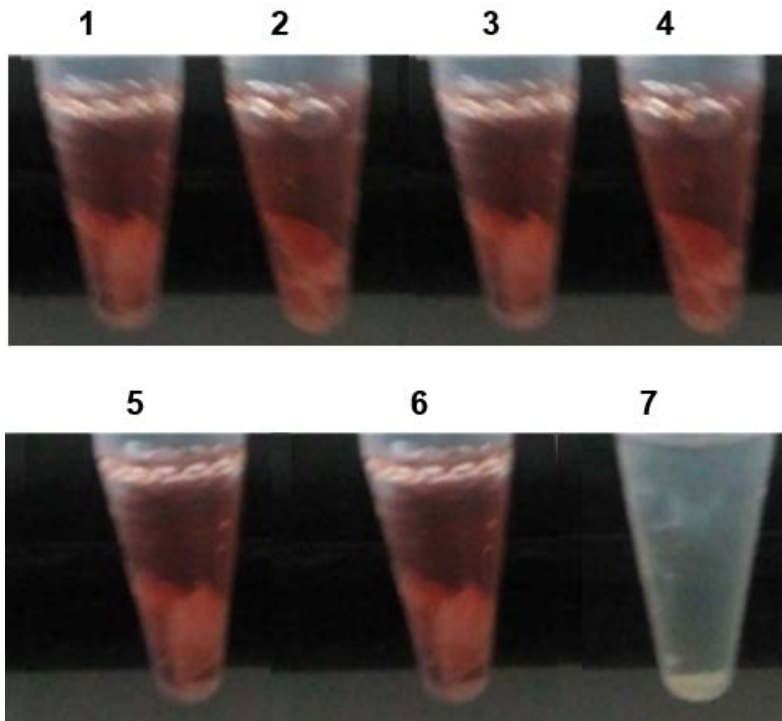


Figure S1: PZase enzyme assay. *M. tuberculosis* recombinant strains (1-3): (1) Wild-type Rv2783; (2) Rv2783_{Asp67Asn} mutant; (3) Hsp60 vector control; (4) *M. tuberculosis* H37Rv parental strain; (5-6) PZA-resistant clinical strains harboring the G199A mutation in Rv2783c; (7) *M. bovis* Bacillus Calmette-Guérin (BCG) Tice.

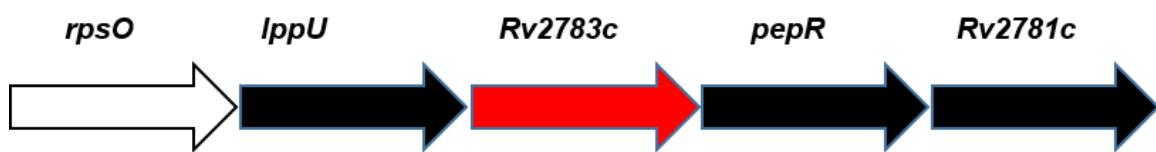


Figure S2: The *M. tuberculosis* Rv2783c locus and its surrounding genes. The upstream *lppU* and the downstream *pepR* and *Rv2781c* genes are deemed non-essential for *M. tuberculosis* growth (33).