

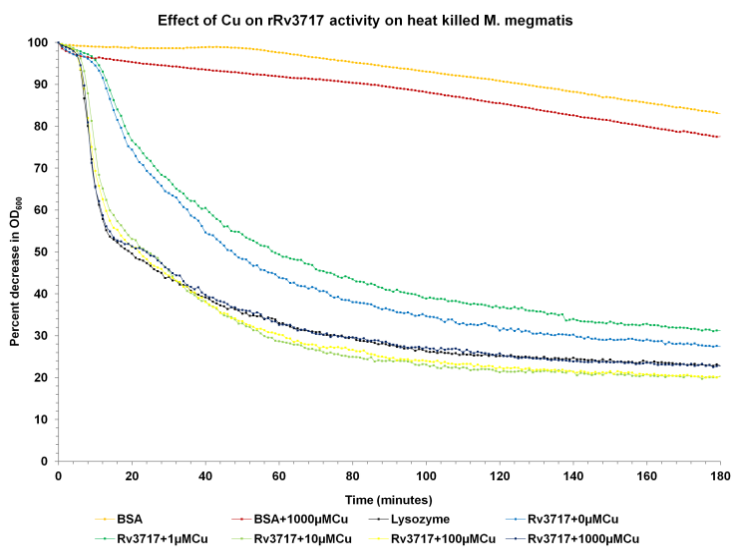
**Crystal structure of Rv3717 reveals a novel amidase from *Mycobacterium tuberculosis***  
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**Priyanka Shrivastava, Srinivasan Ramachandran and Bhupesh Taneja\***

Supplementary data

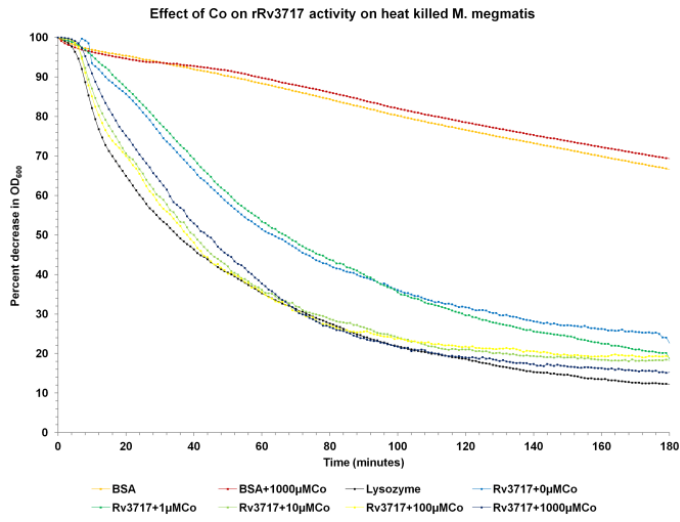
**Supplementary Figure S1: Activity of rRv3717-A on heat killed *M. smegmatis* in presence of different metal ions**

Activity of rRv3717-A was estimated with 0 (blue), 1 (sea green), 10 (light green), 100 (yellow) or 1000  $\mu\text{m}$  (brown) of (A)  $\text{Cu}^{2+}$ , (B)  $\text{Co}^{2+}$ , or (C)  $\text{Mg}^{2+}$  at 37°C. BSA (orange) or BSA+ 1000  $\mu\text{m}$  of respective cation (red) was used as negative control; while lysozyme (black) served as positive control for the reaction.

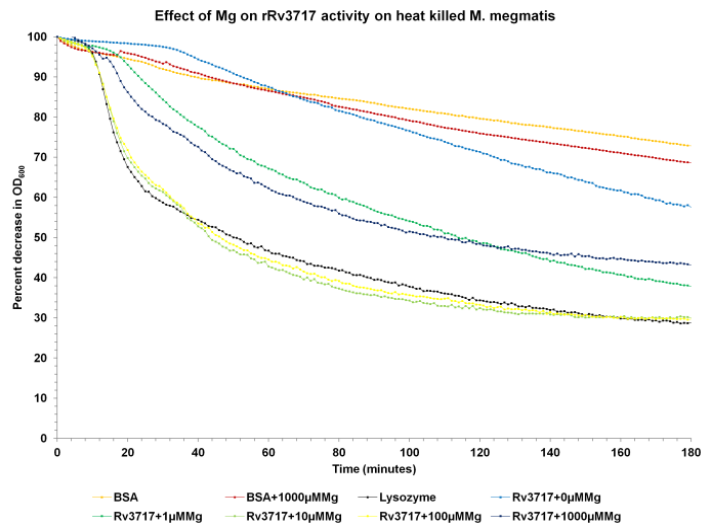
A.



B.

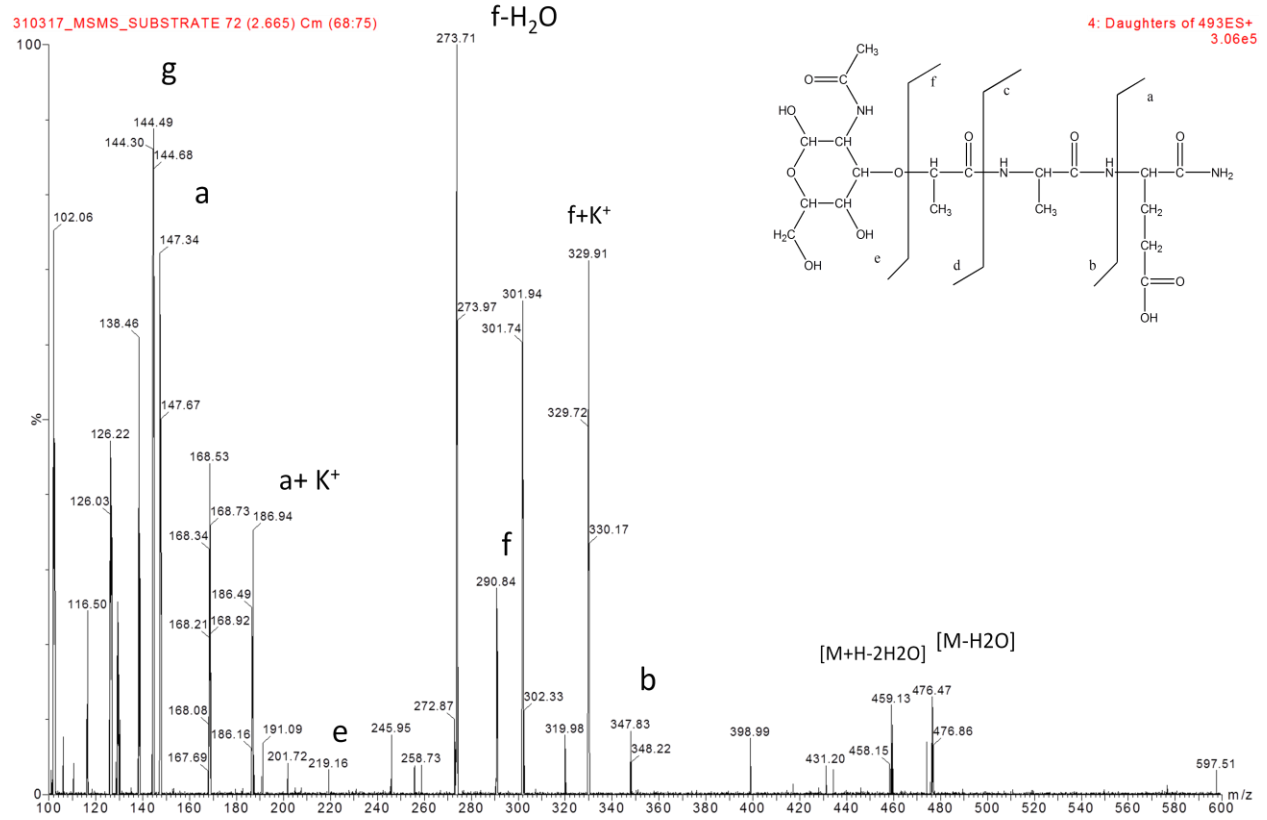


C.



**Figure S2: MS/MS analysis of (A) substrate, N-acetylmuramoyl-L-alanyl-D-isoglutamine (B) dipeptide, L-alanyl-D-isoglutamine and (C) N-acetyl muramic acid**

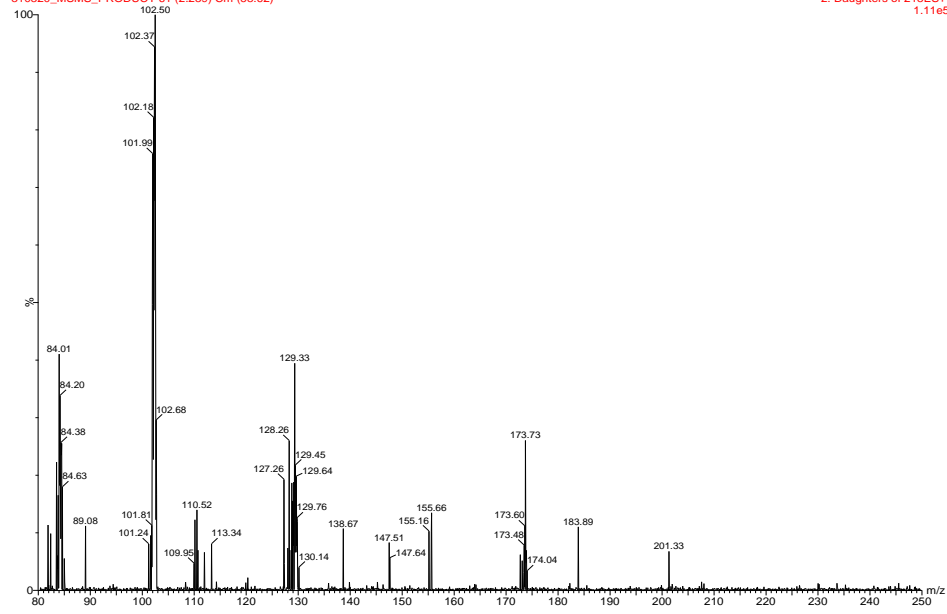
A



B

310320\_MSMS\_PRODUCT 61 (2.239) Cm (58.62)

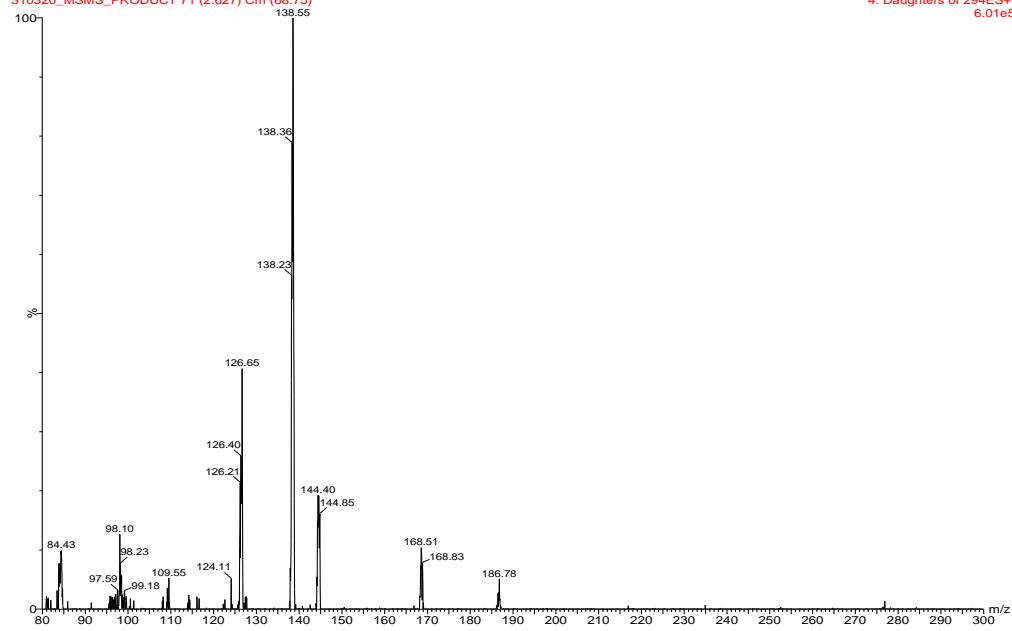
2: Daughters of 218ES+  
1.11e5



C

310320\_MSMS\_PRODUCT 71 (2.627) Cm (68.75)

4: Daughters of 294ES+  
6.01e5



**Figure S3: MS analysis of N-acetylmuramoyl-L-alanyl-D-isoglutamine in the control reaction (no protein) after 4 hours at 37°C**

