SUPPLEMENTARY MATERIALS

Histidine-Triad Hydrolases Provide Resistance to Peptide-Nucleotide Antibiotics

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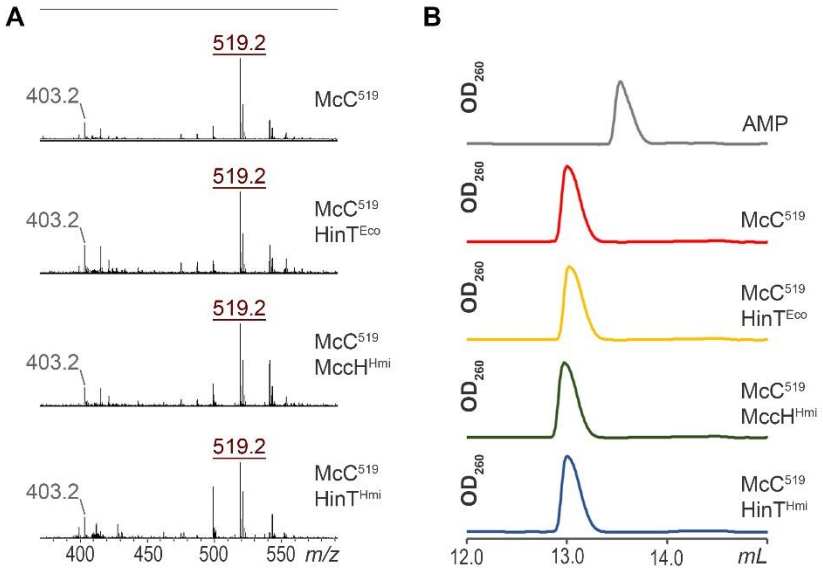

Figure S3. Aminopropyl decoration of aspartamide-adenylate protects the compound from the phosphoramidase activity of MccH^{Hmi}, HinT^{Eco}, and HinT^{Hmi}.

(A) MALDI-TOF-MS spectra of McC^{519} incubated without the enzyme (top panel) and with HinT^{Eco}, MccH^{Hmi}, and HinT^{Hmi} (lower panels). The MH^{+} ion at *m/z* 519.2 corresponds to aminopropylated aspartamide-adenylate. No MH^{+} ion at *m/z* 405.2 corresponding to hydrolyzed McC^{519} is observed.

(B) RP-HPLC elution profile of products of incubation of McC^{519}, processed aspartamide-adenylate with aminopropyl decoration, without the enzyme and with MccH^{Hmi}, HinT^{Hmi}, and HinT^{Eco}.