

**Fig S11: Difference density map ( $F_o - F_c$ ) shown around Biuret and the N-Carbamoyl-D,L-Aspartic acid inhibitor.** A. Active site of the Cys175Ser BiuH variant shown in cartoon, with the active site amino acids and biuret shown in stick and the difference density map ( $F_o - F_c$ ) in green mesh. B. Active site of the Lys142Ala variant of BiuH showing Cys175 bound to the inhibitor N-carbamoyl-D,L-aspartic acid and the difference density map ( $F_o - F_c$ ), with the active site amino acids and the inhibitor shown in stick and the difference density map ( $F_o - F_c$ ) in green mesh.

