

Figure S1: Graphical profile of natural ACPs subset 1-10. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset 1-10.

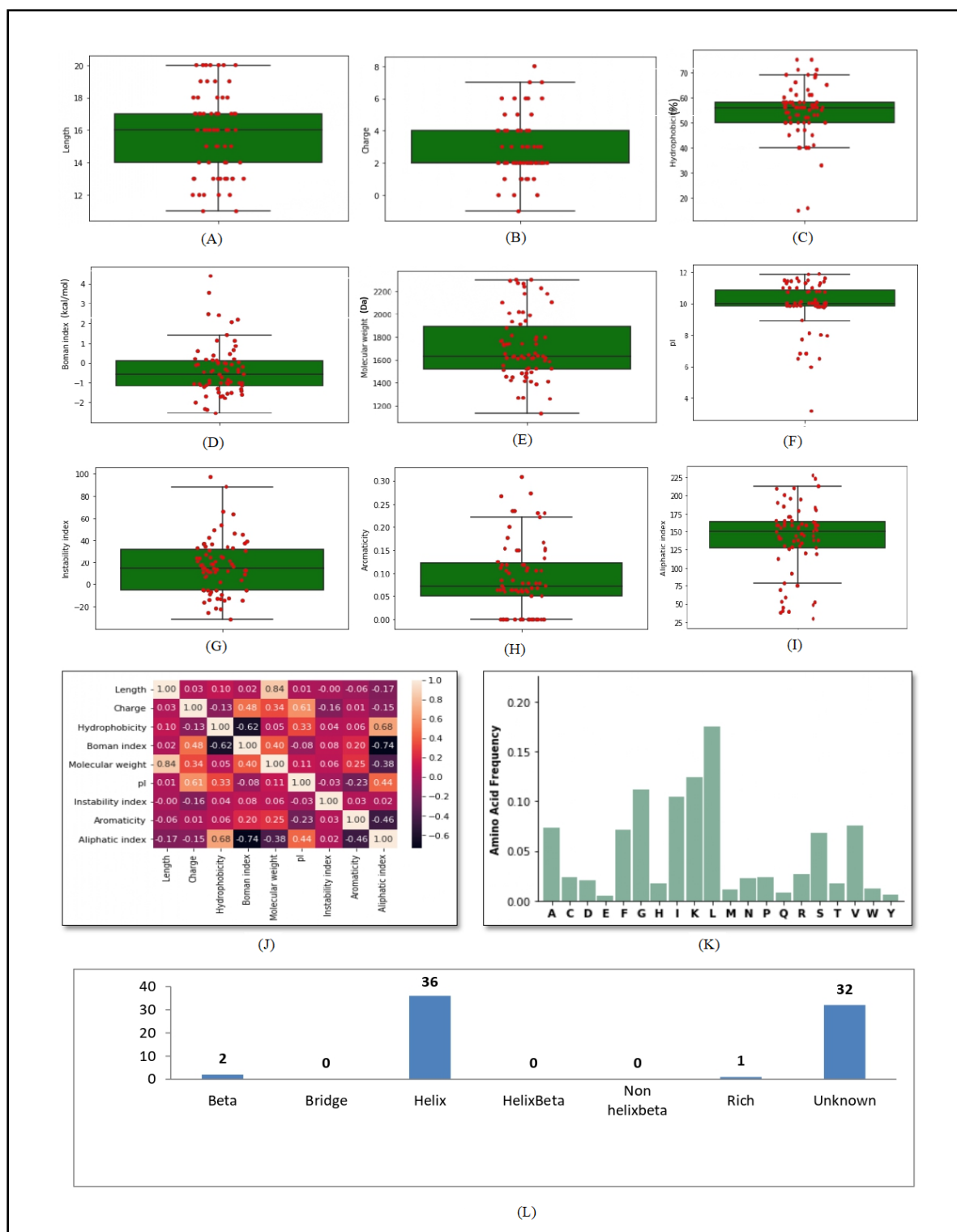


Figure S2: Graphical profile of natural ACPs subset 11-20. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset 11-20.

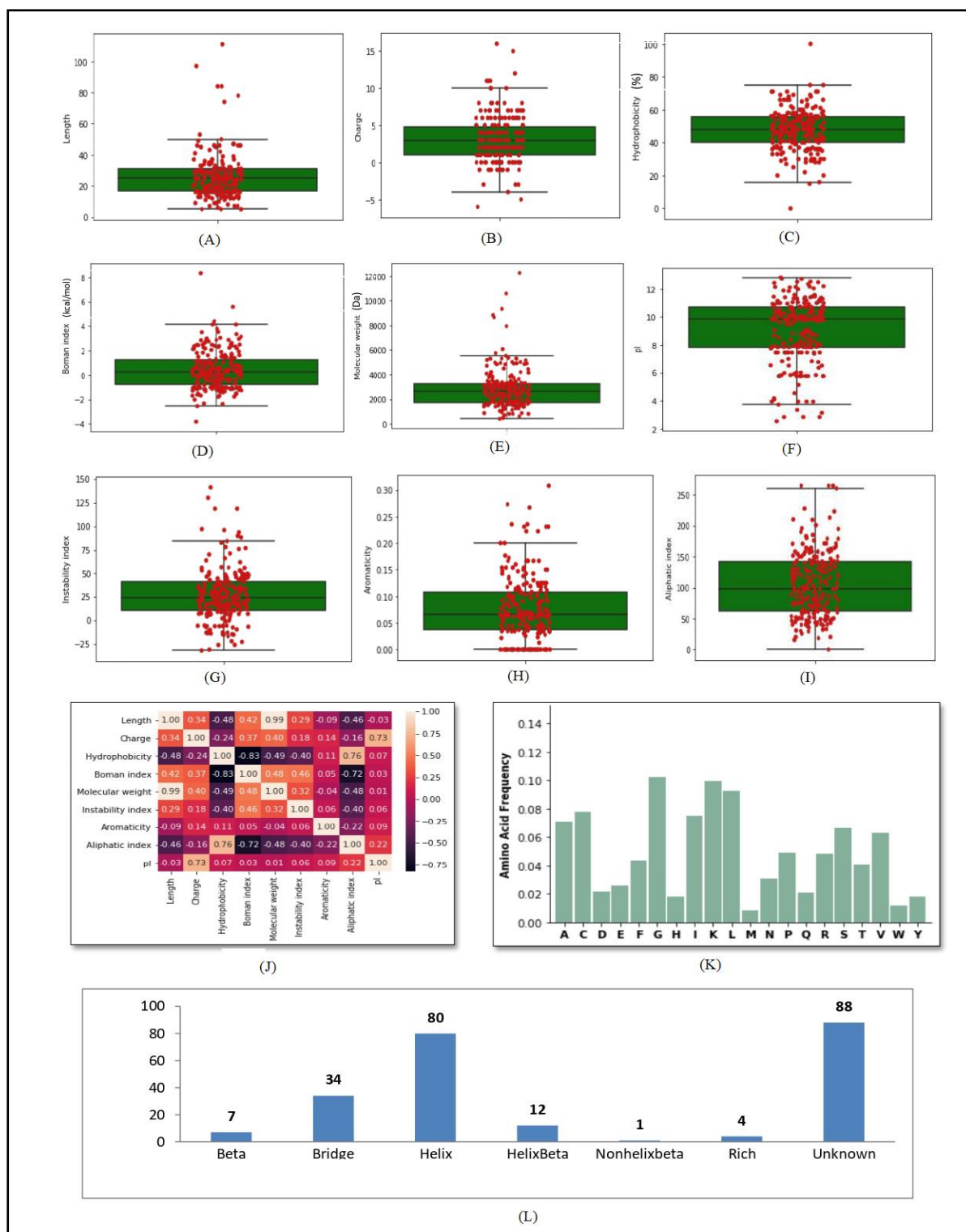


Figure S3: Graphical profile of natural ACPs subset 21-30. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset 21-30.

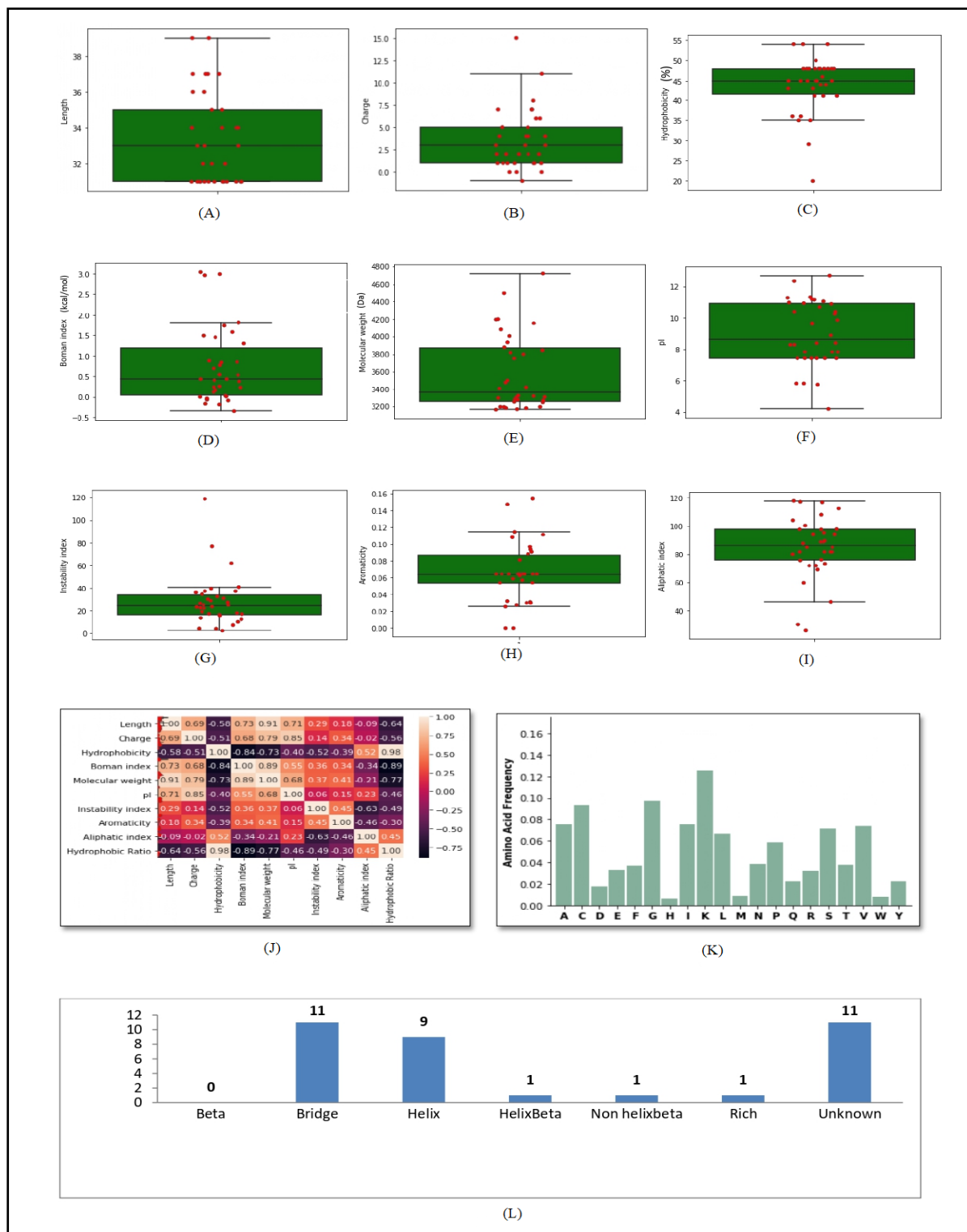


Figure S4: Graphical profile of natural ACPs subset 31-40. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset 31-40.

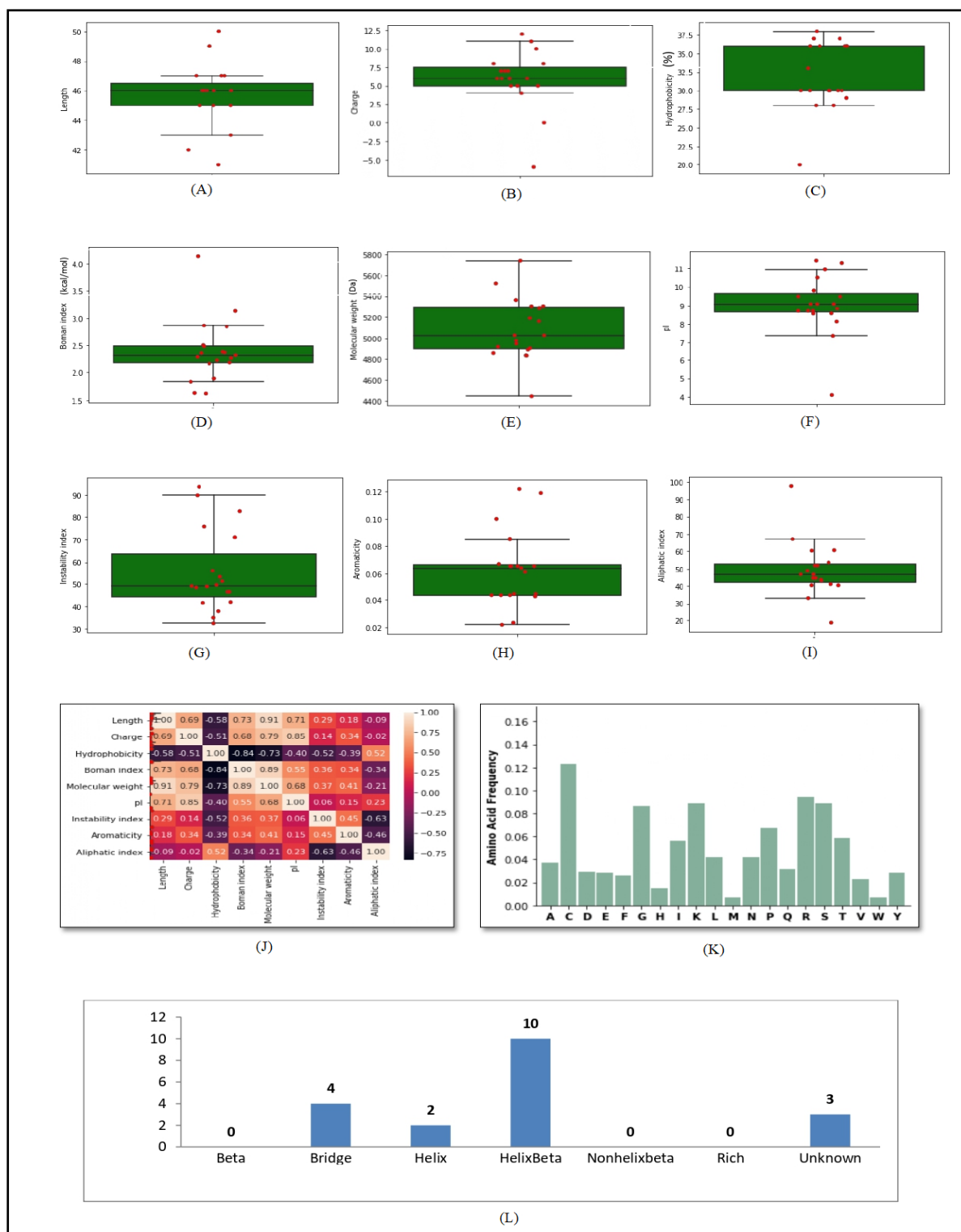


Figure S5: Graphical profile of natural ACPs subset 41-50. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset 41-50.

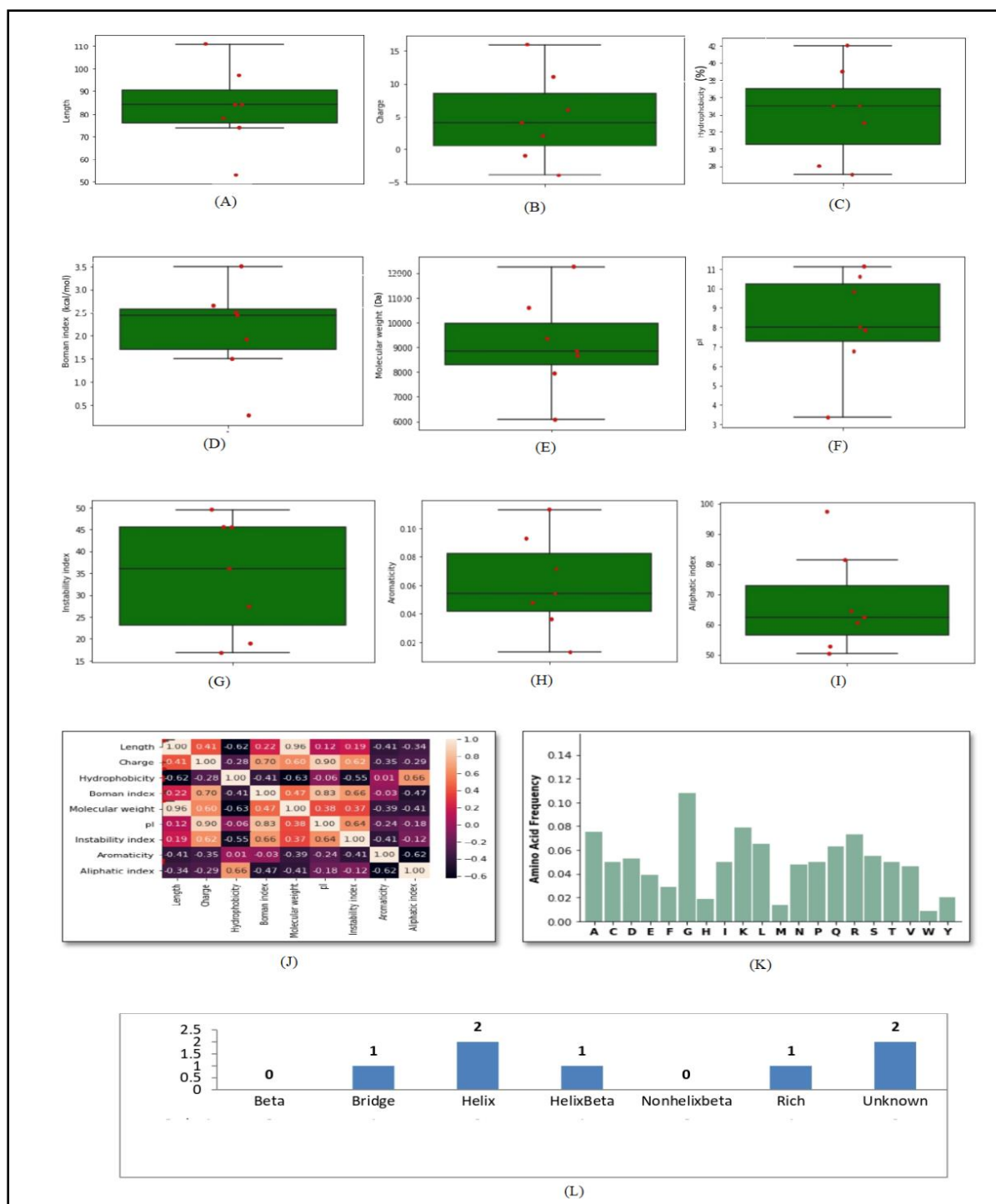


Figure S6: Graphical profile of natural ACPs subset >50. (A) Distribution of length (B) charge (C) hydrophobicity (D) Boman index (E) molecular weight (F) pI (G) instability index (H) aromaticity (I) aliphatic index (J) correlation heatmap (K) amino acid frequency, and (L) structure type in natural ACPs subset >50.