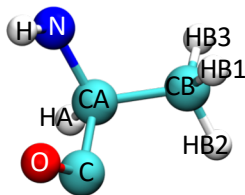
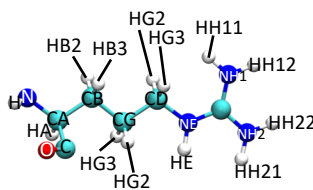


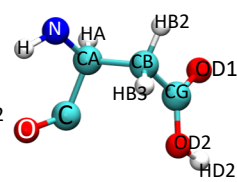
ACE, Acetyl



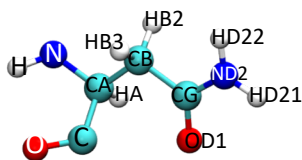
ALA, Alanine, A



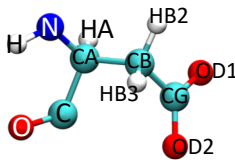
ARG, Arginine, R



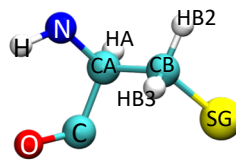
ASH, Aspartic acid*, D



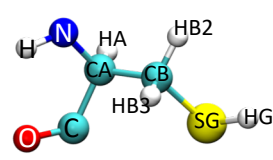
ASN, Asparagine, N



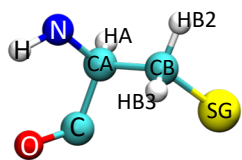
ASP, Aspartate, D



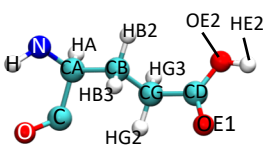
CYM, Cysteine*, C



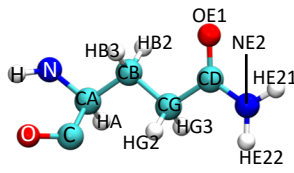
CYS, Cysteine, C



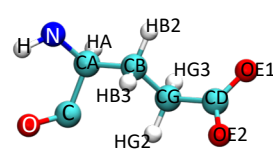
CYX, Cysteine**, C



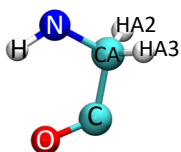
GLH, Glutamic Acid*, E



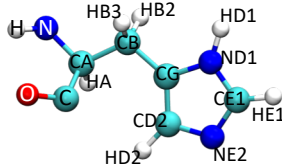
GLN, Glutamine, Q



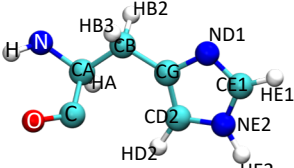
GLU, Glutamate, E



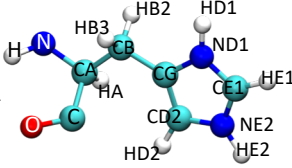
GLY, Glycine, G



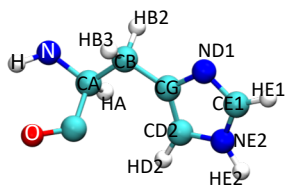
HID, Histidine*, H



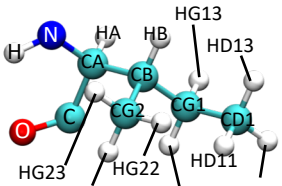
HIE, Histidine, H



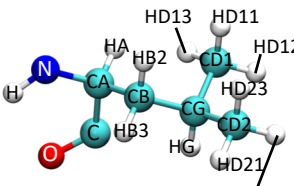
HIP, Histidine*, H



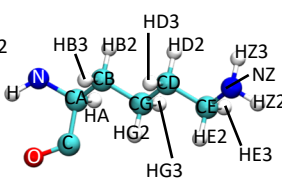
HIS, Histidine, H



ILE, Isoleucine, I



LEU, Leucine, L



LYN, Lysine*, K

*-atypical deprotonation state

ASP deprotonated aspartate

CYM deprotonated cysteine

GLU deprotonated glutamic acid

LYS protonated lysine (+1 charge)

HIS/HIE histidine protonated at N-epsilon

HIP histidine protonated at both N-epsilon and N-delta

**-involved in disulfide bond

ASH protonated aspartic acid

CYS protonated cysteine

GLH protonated glutamic acid

LYN deprotonated lysine (neutral)

HID histidine protonated at N-delta

