



\*-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

