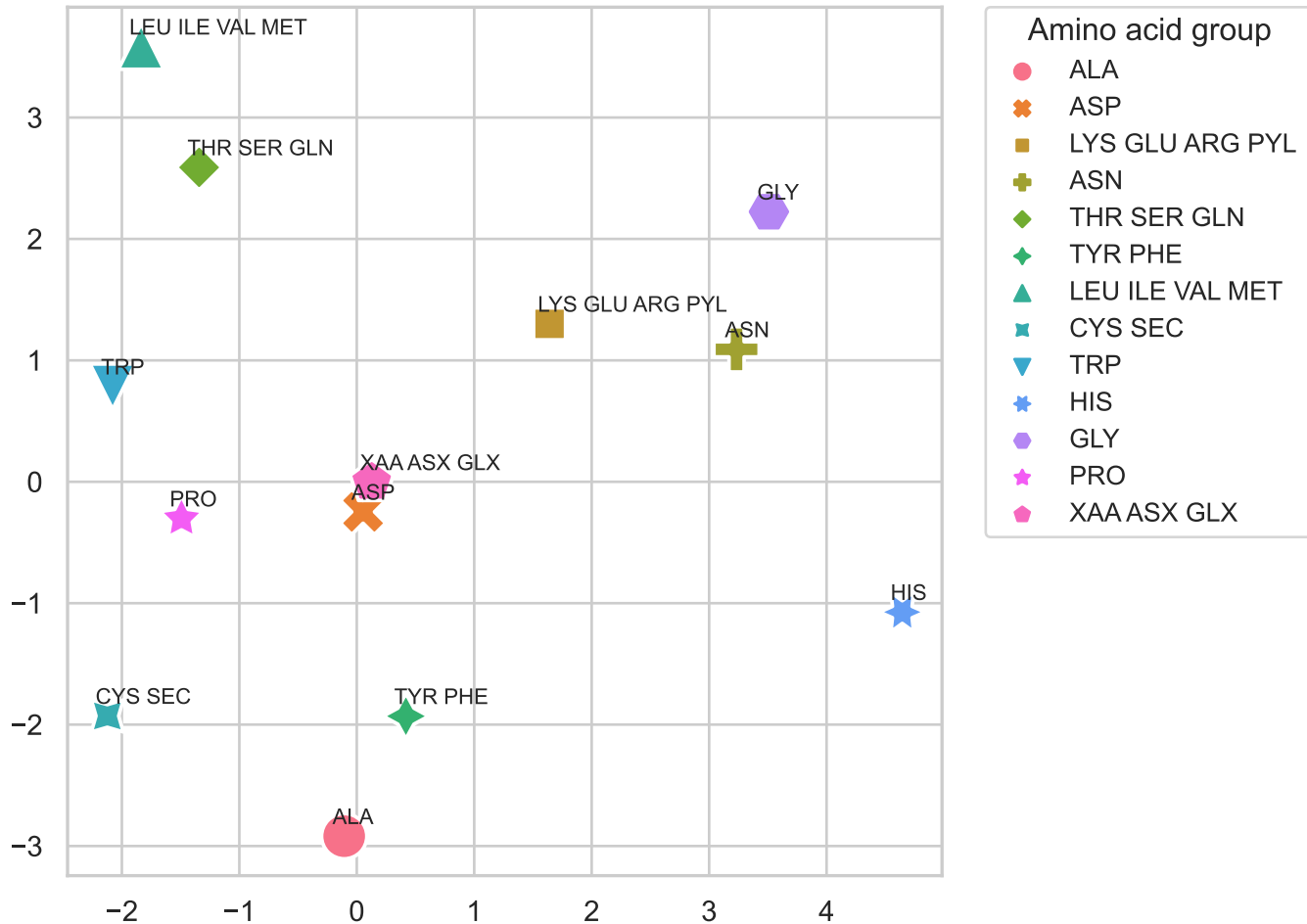
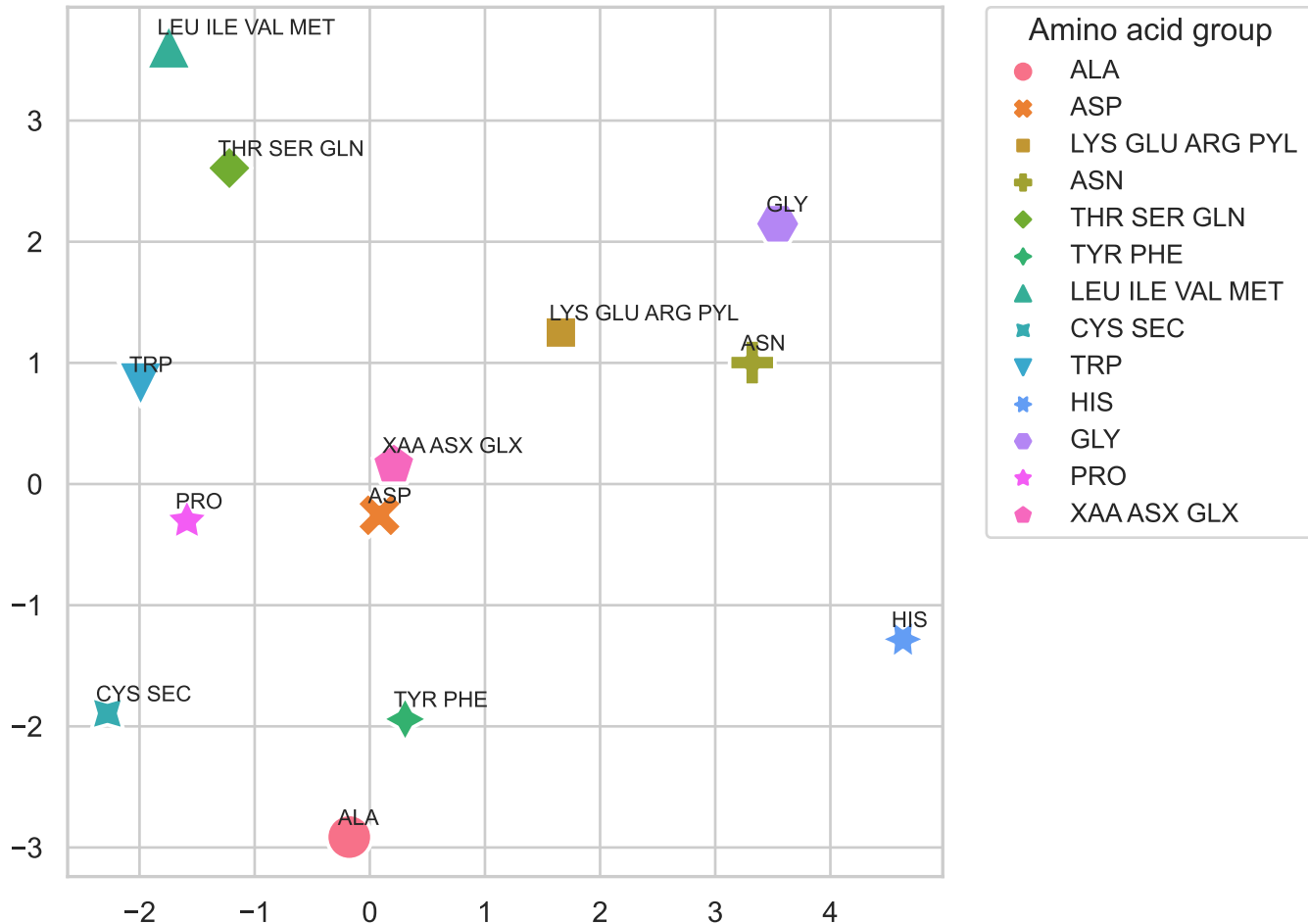


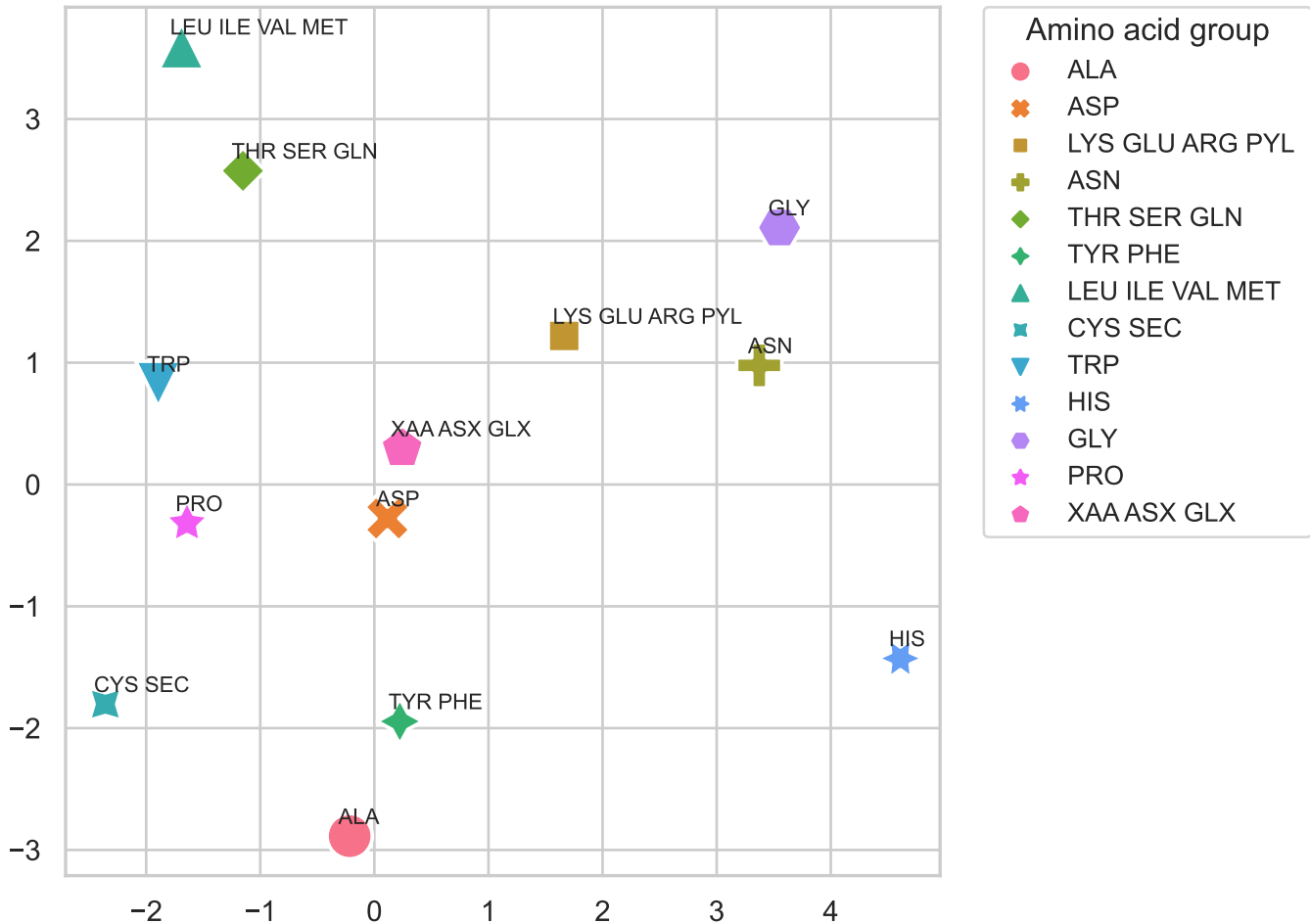
Training step: 10k, Validation Perplexity: 7.84 out of 13



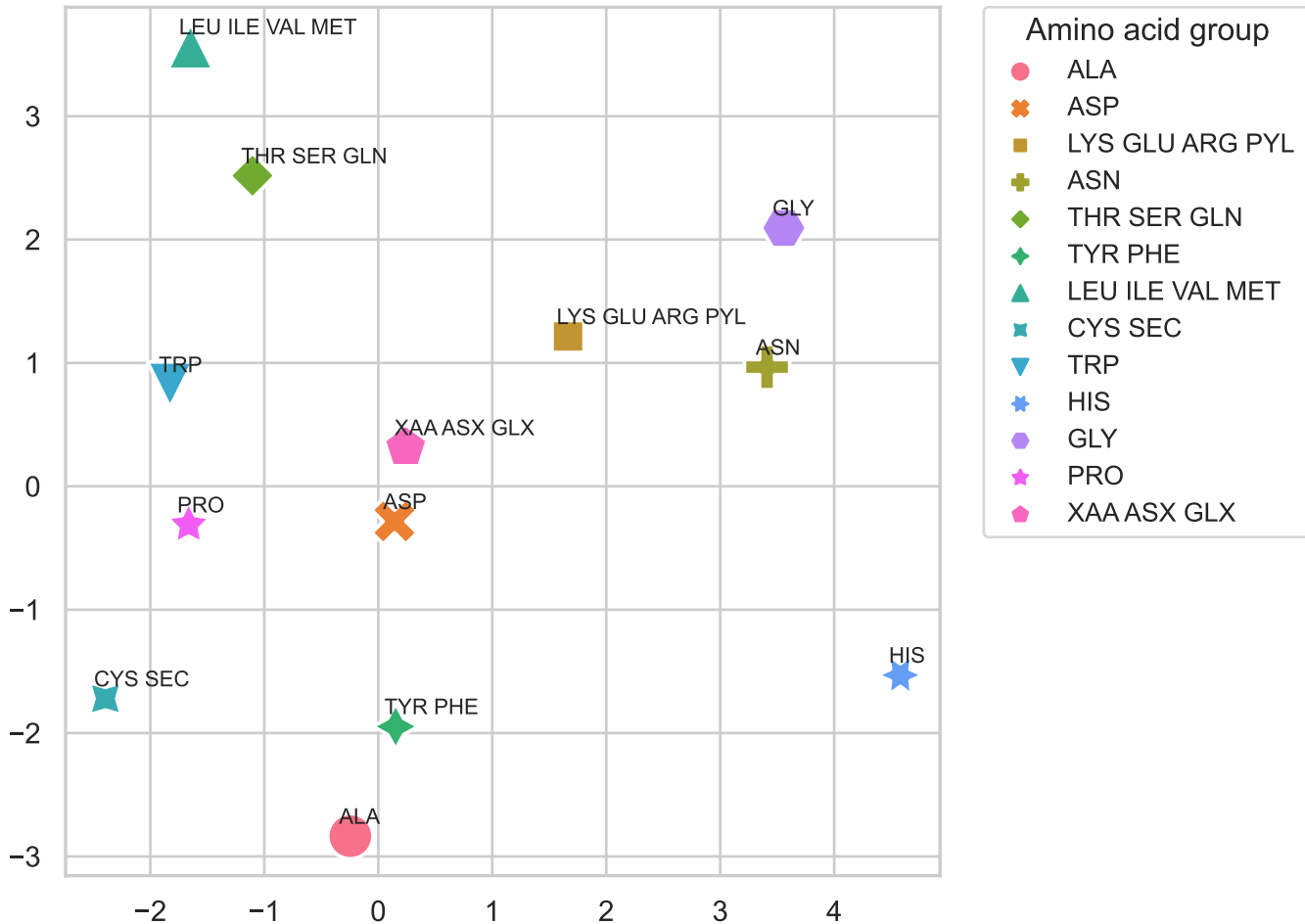
Training step: 20k, Validation Perplexity: 7.59 out of 13



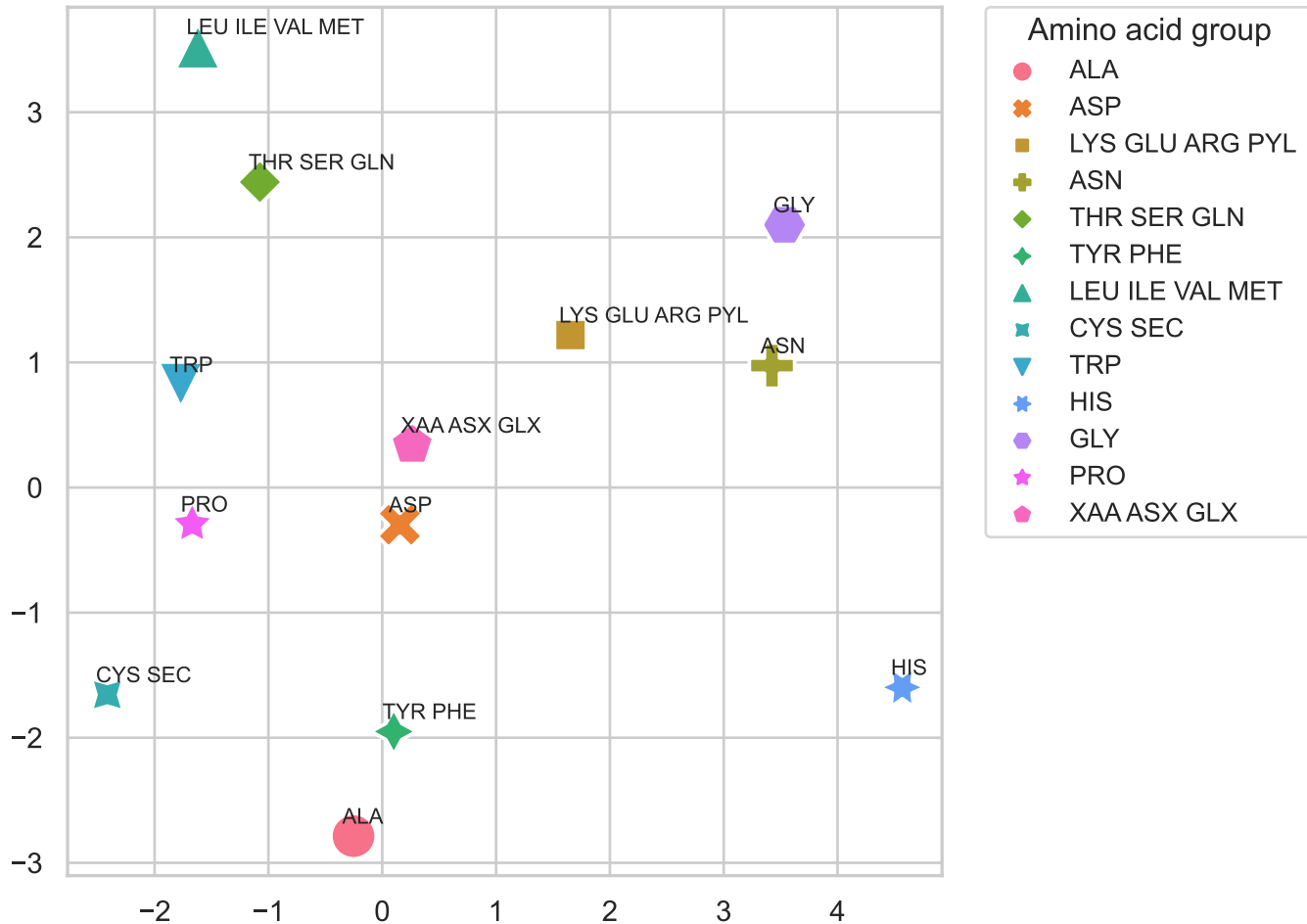
Training step: 30k, Validation Perplexity: 7.4 out of 13



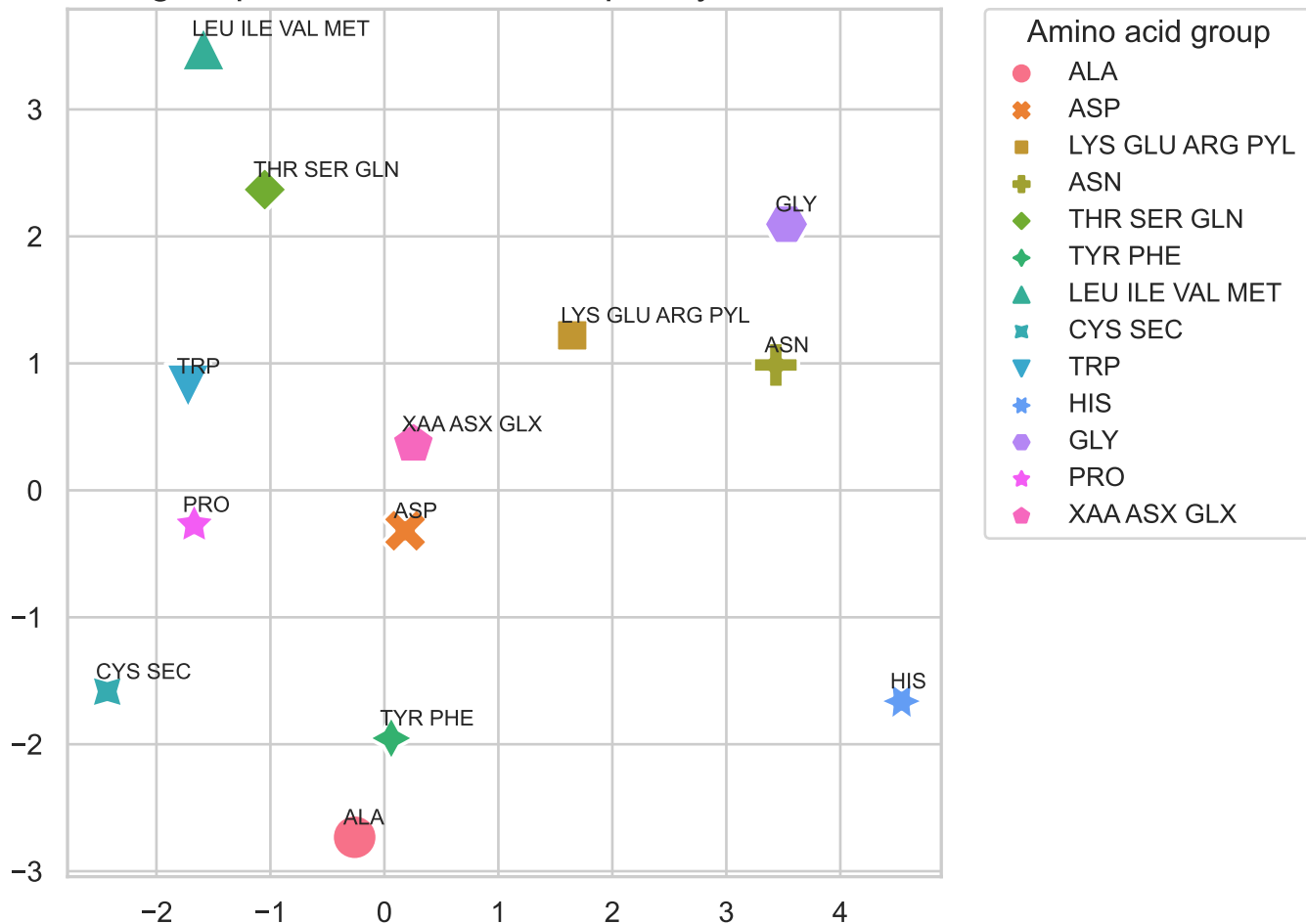
Training step: 40k, Validation Perplexity: 7.27 out of 13



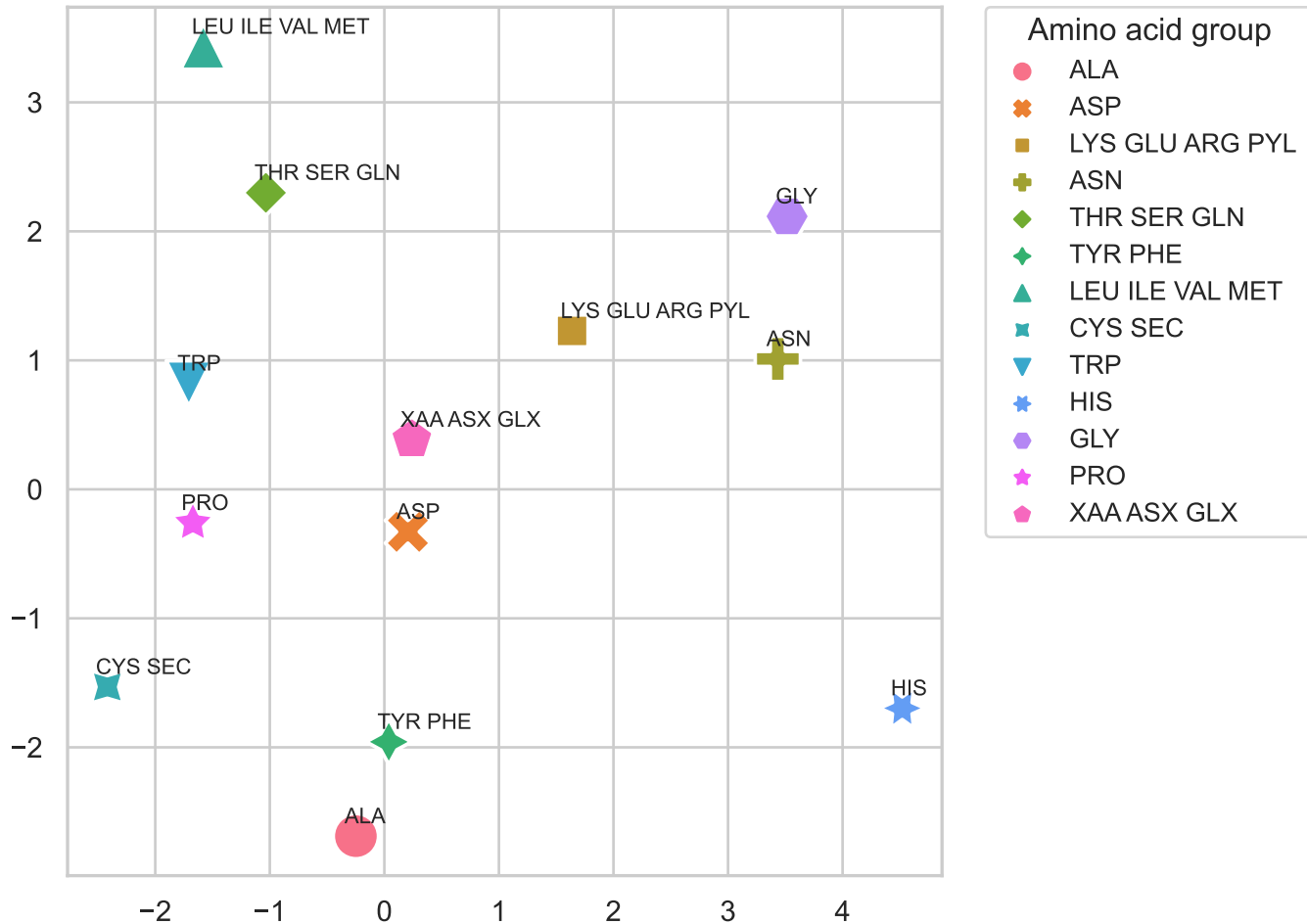
Training step: 50k, Validation Perplexity: 7.17 out of 13



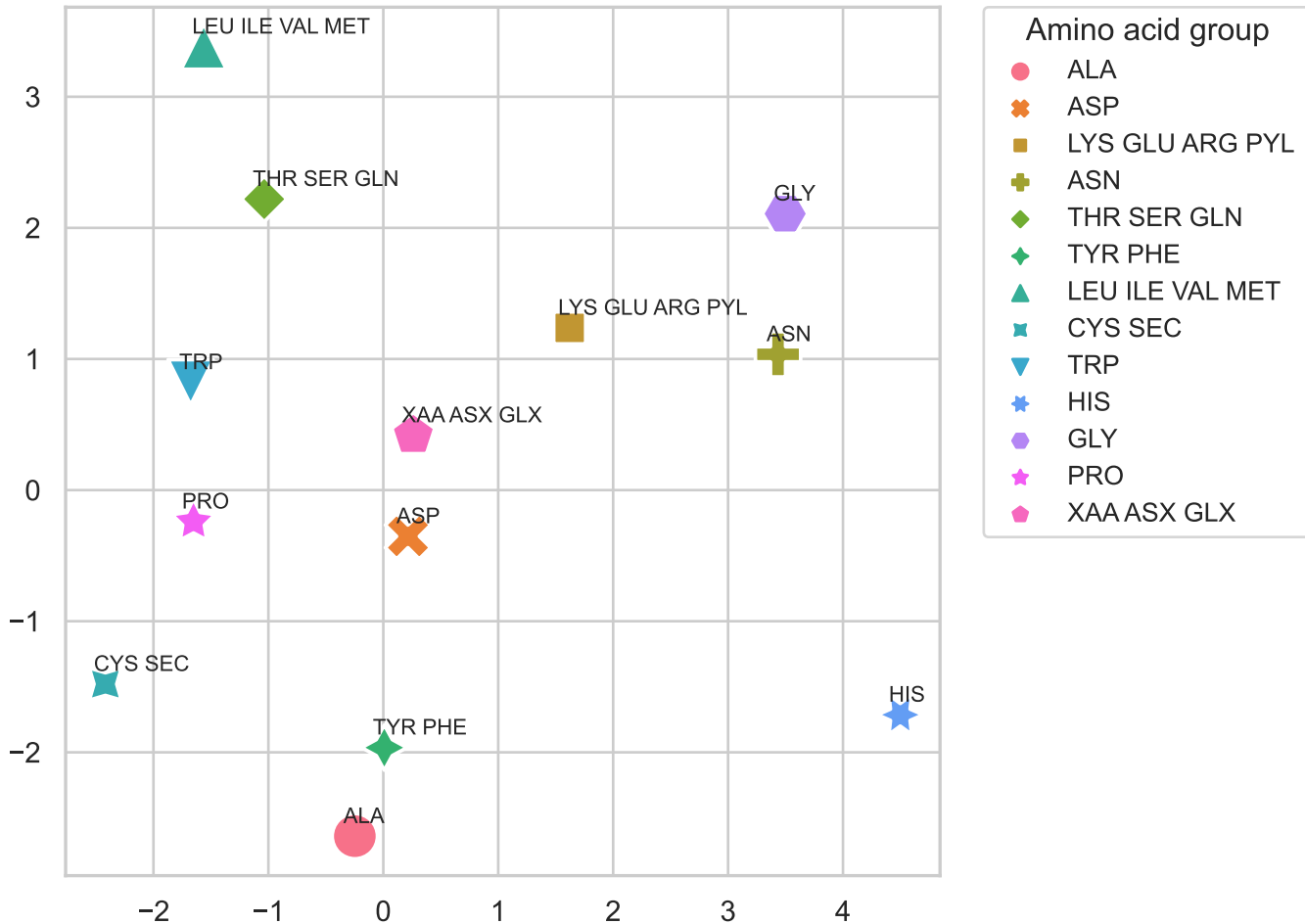
Training step: 60k, Validation Perplexity: 7.09 out of 13



Training step: 70k, Validation Perplexity: 7.01 out of 13

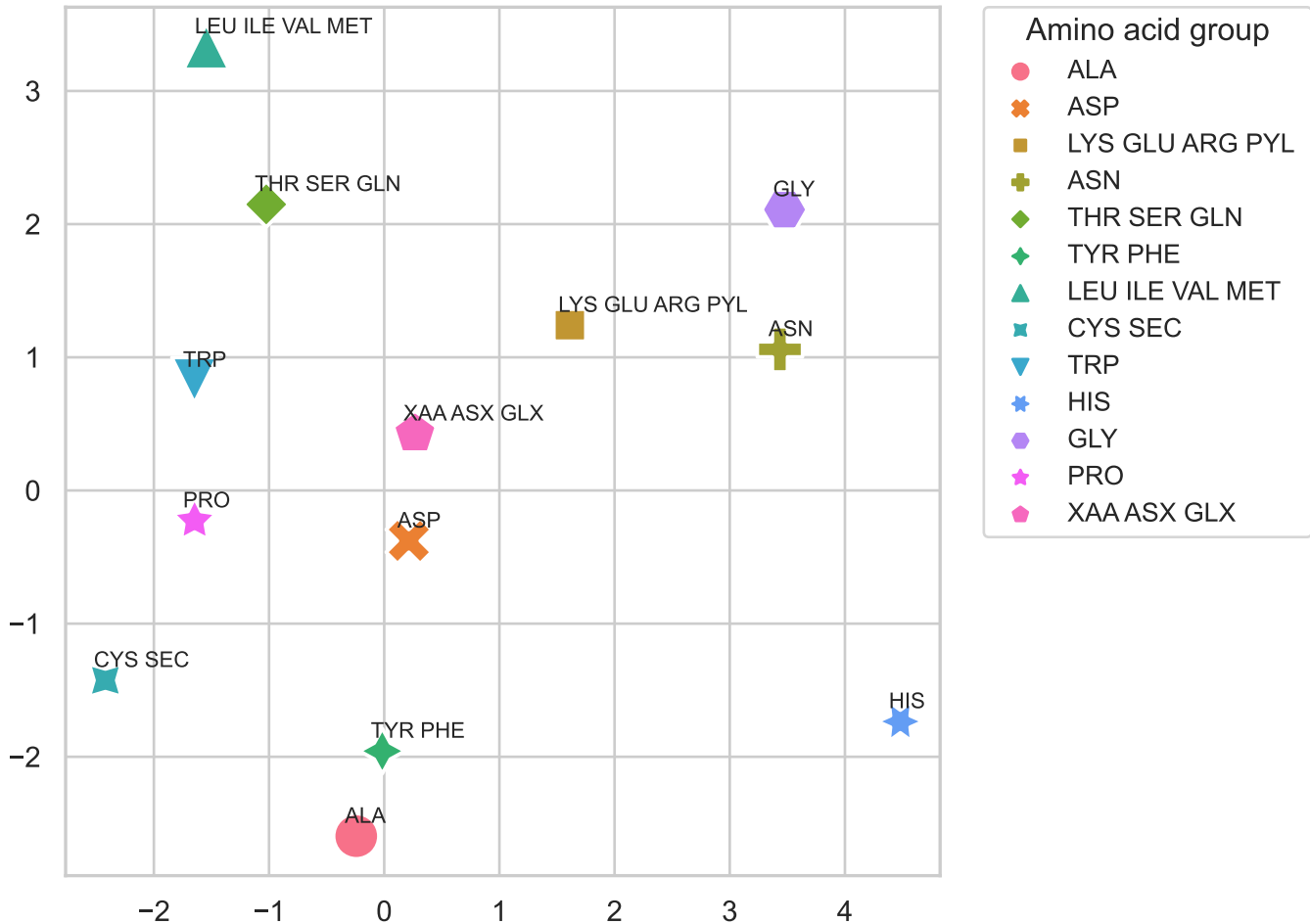


Training step: 80k, Validation Perplexity: 6.96 out of 13

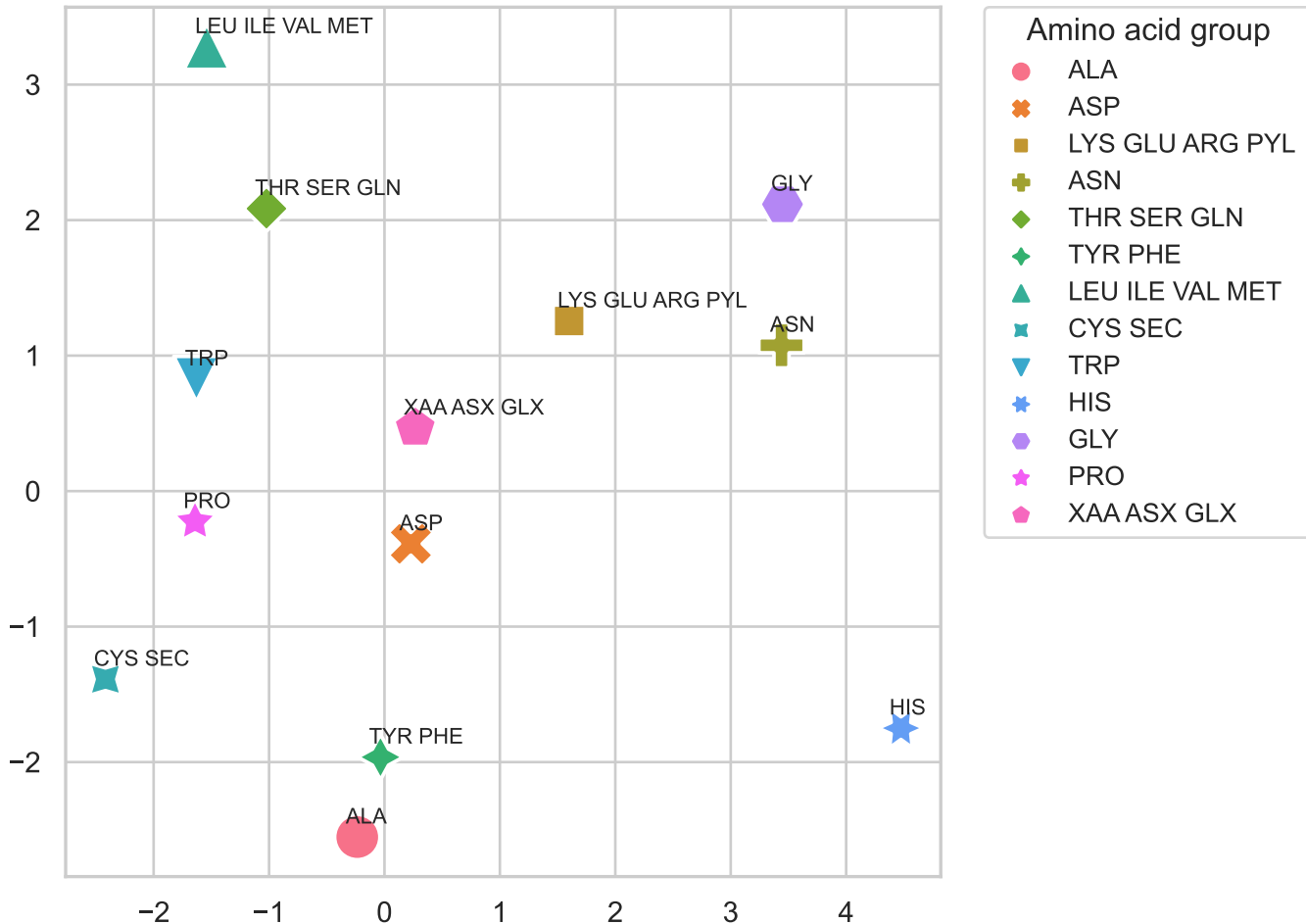




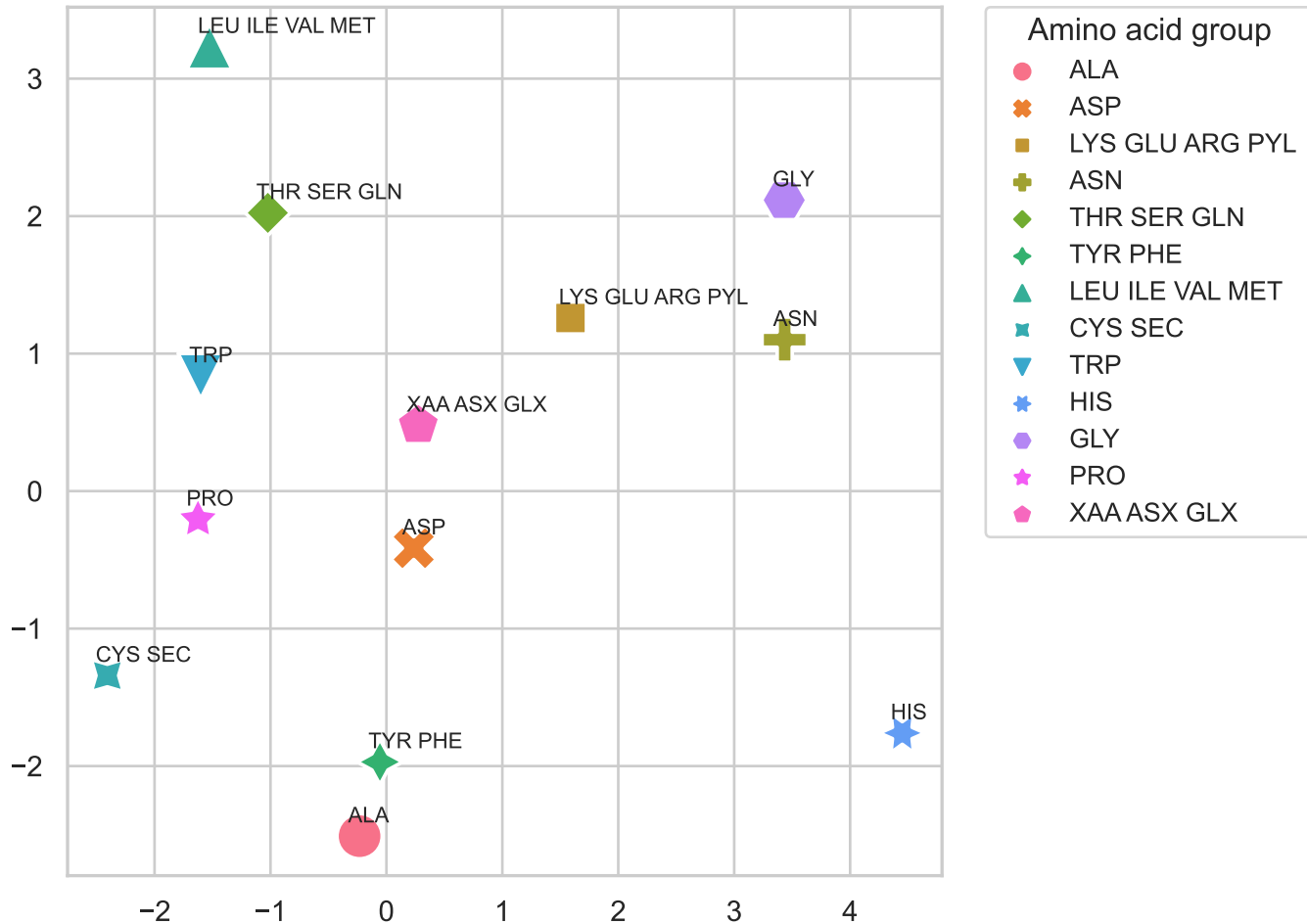
Training step: 90k, Validation Perplexity: 6.91 out of 13



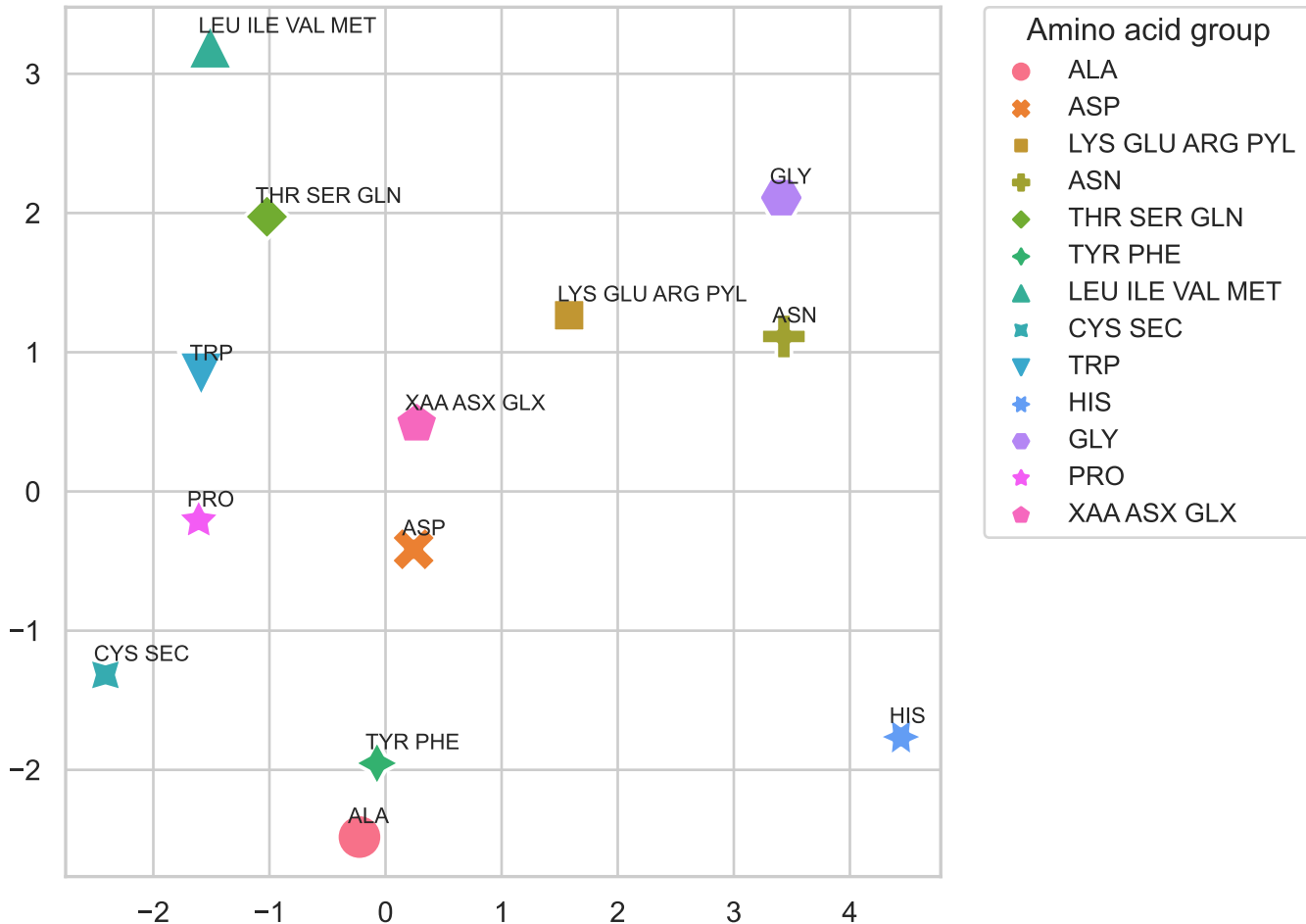
Training step: 100k, Validation Perplexity: 6.85 out of 13



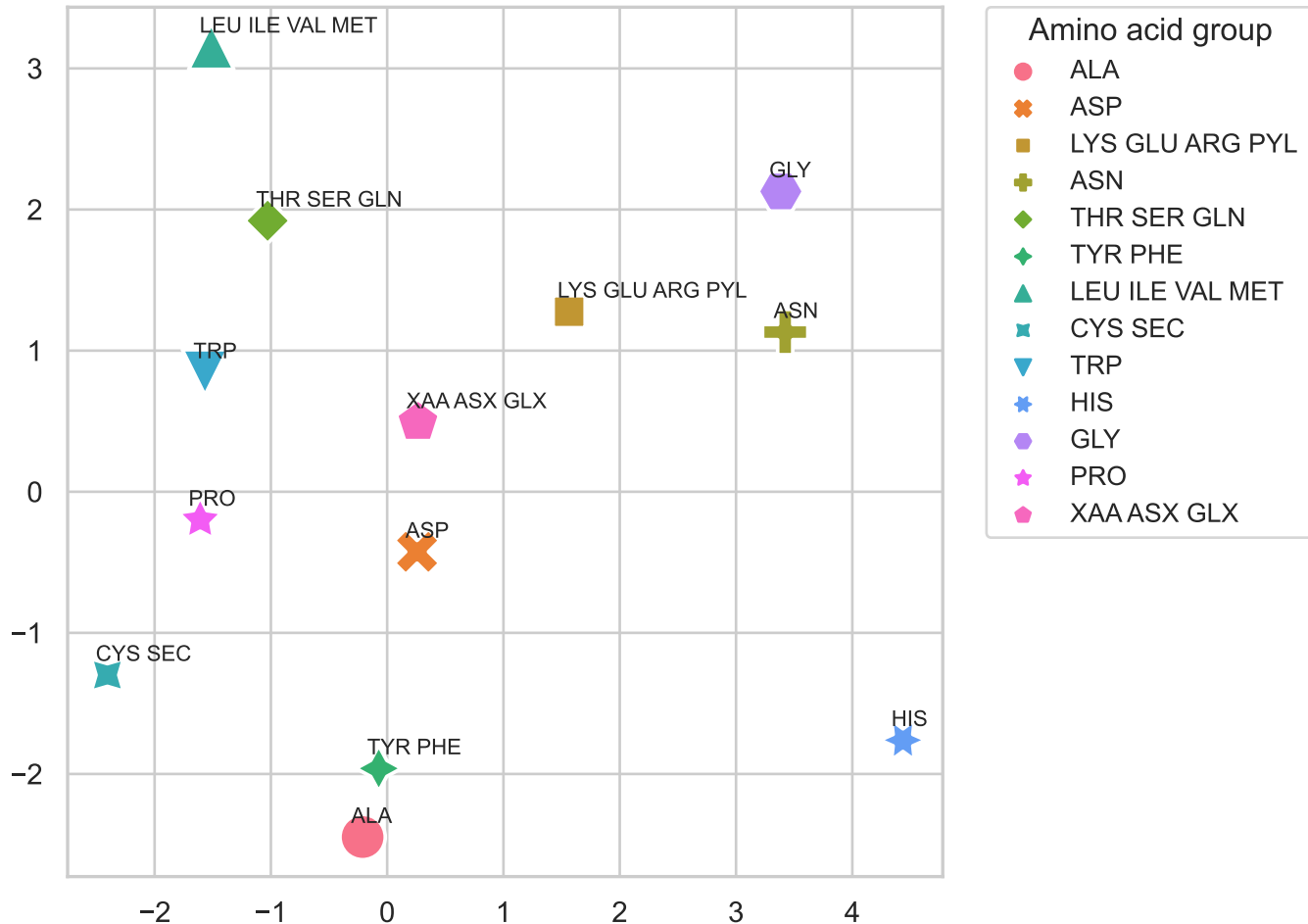
Training step: 110k, Validation Perplexity: 6.82 out of 13



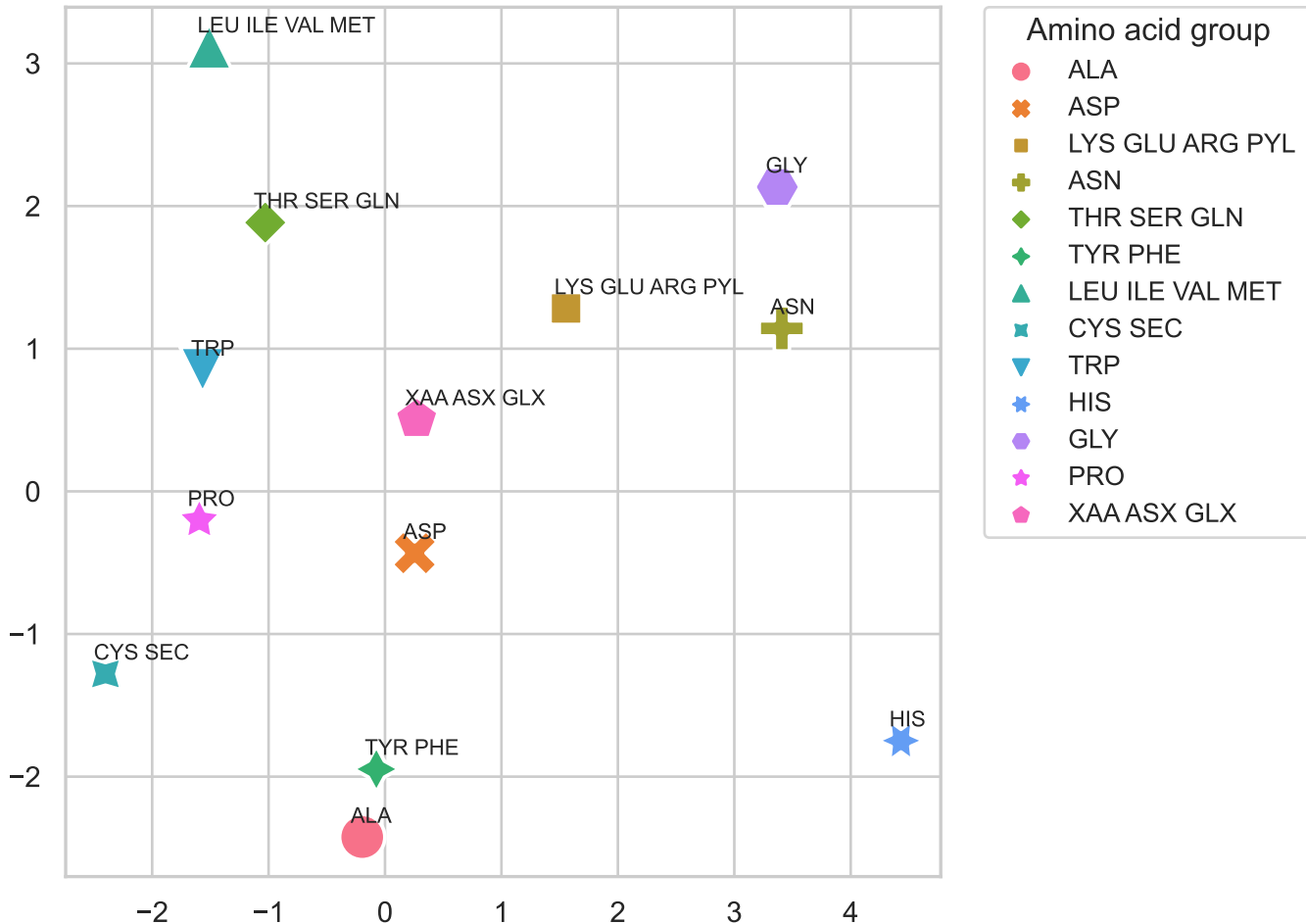
Training step: 120k, Validation Perplexity: 6.79 out of 13



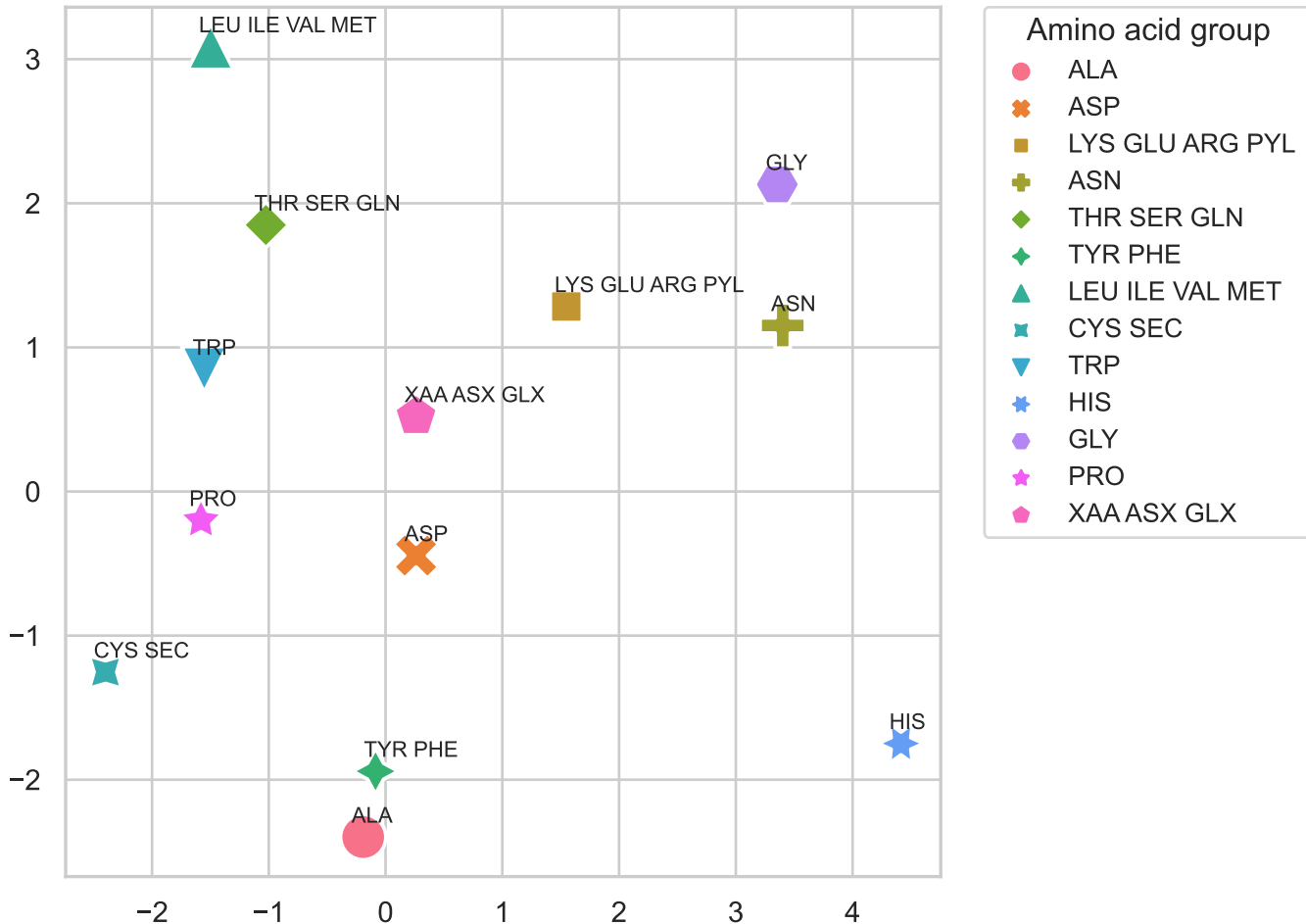
Training step: 130k, Validation Perplexity: 6.77 out of 13



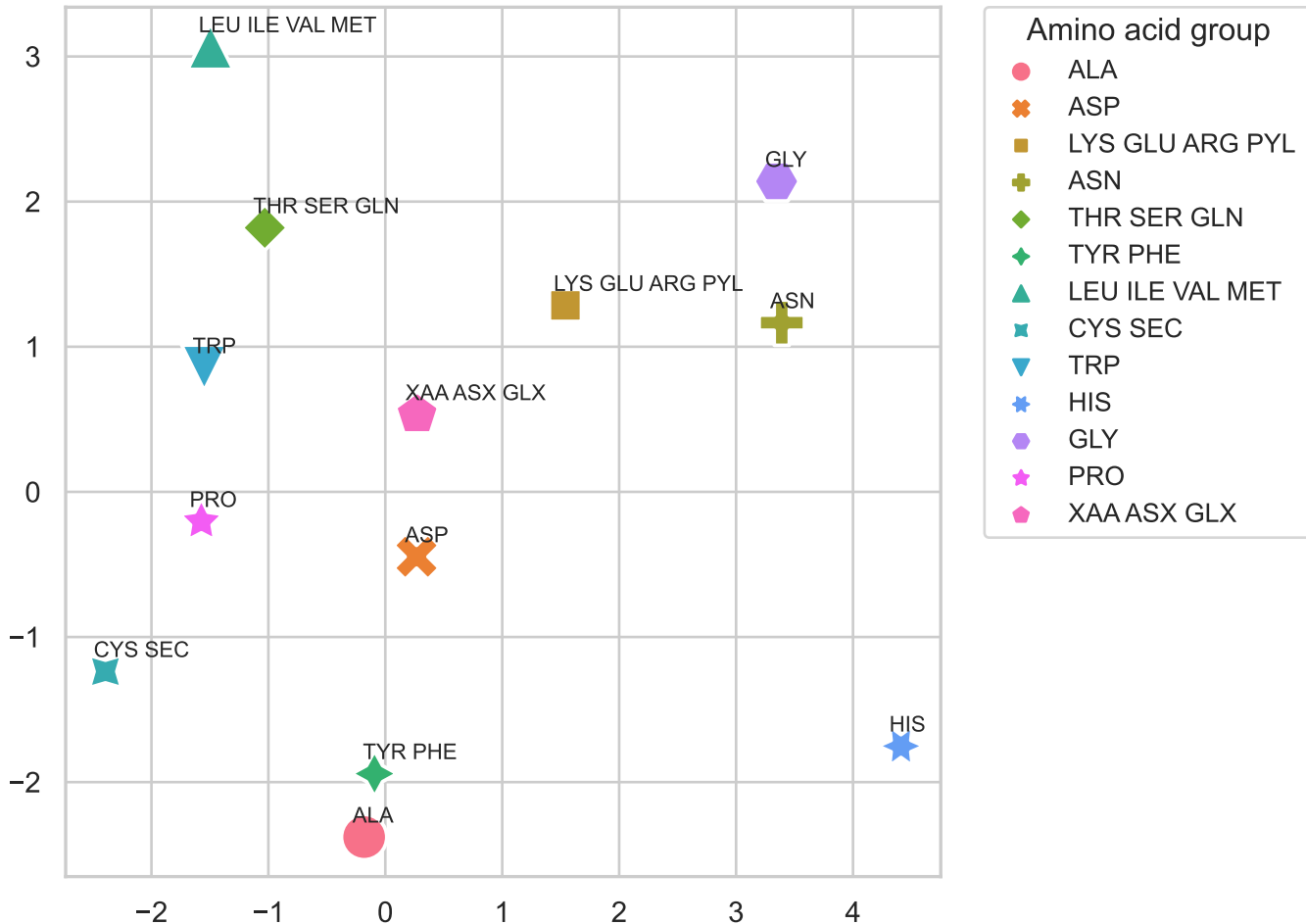
Training step: 140k, Validation Perplexity: 6.72 out of 13



Training step: 150k, Validation Perplexity: 6.69 out of 13

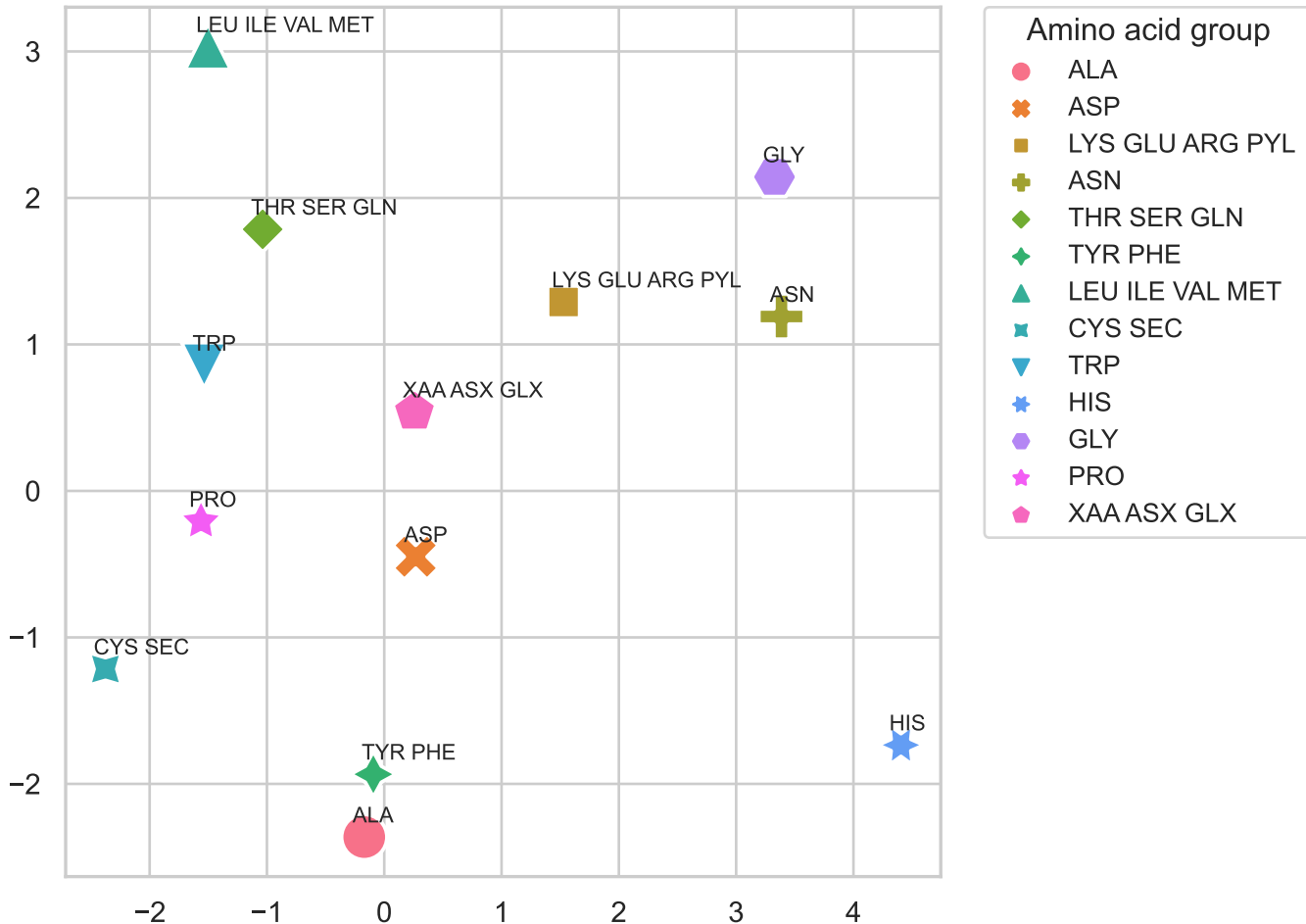


Training step: 160k, Validation Perplexity: 6.67 out of 13

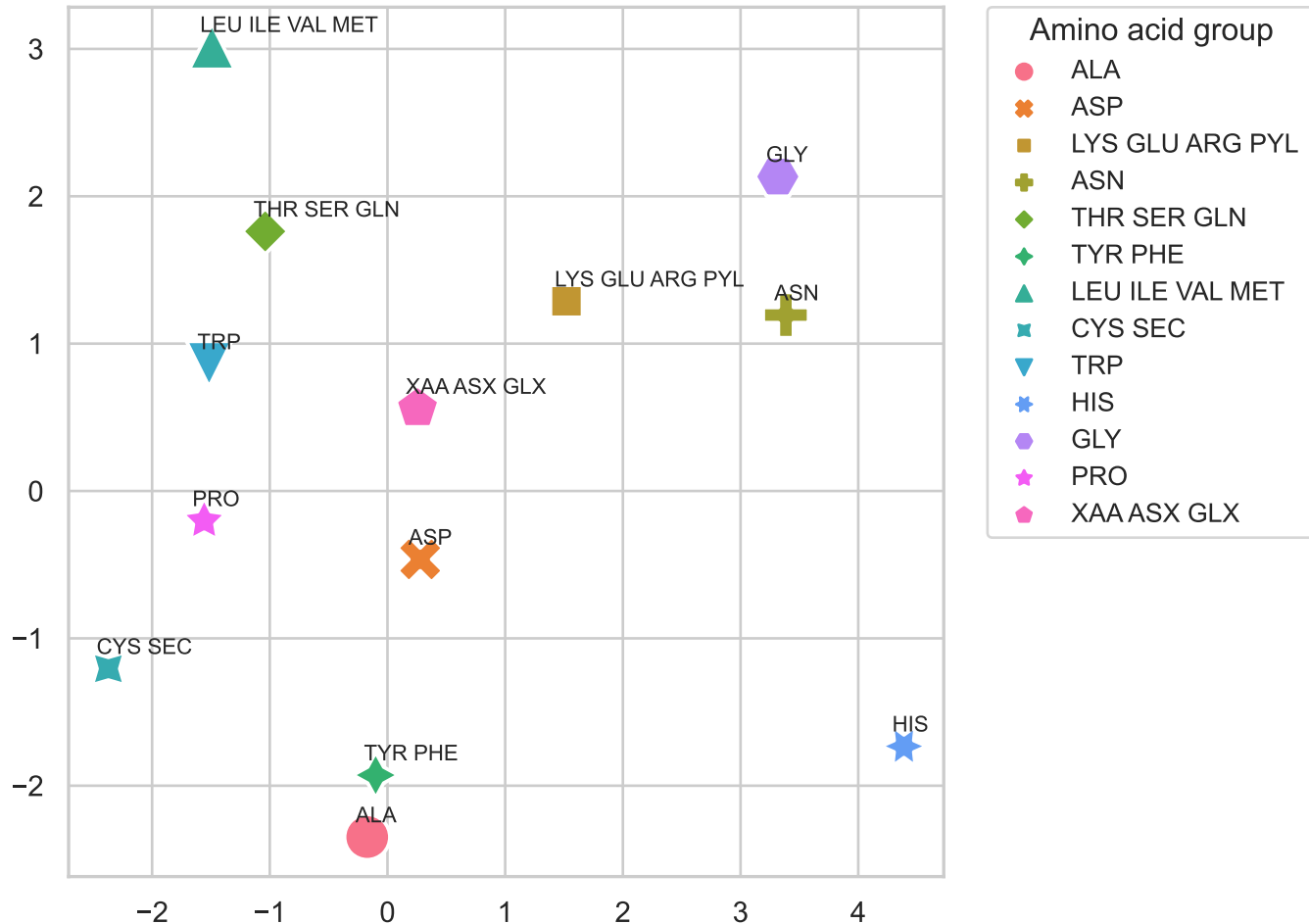




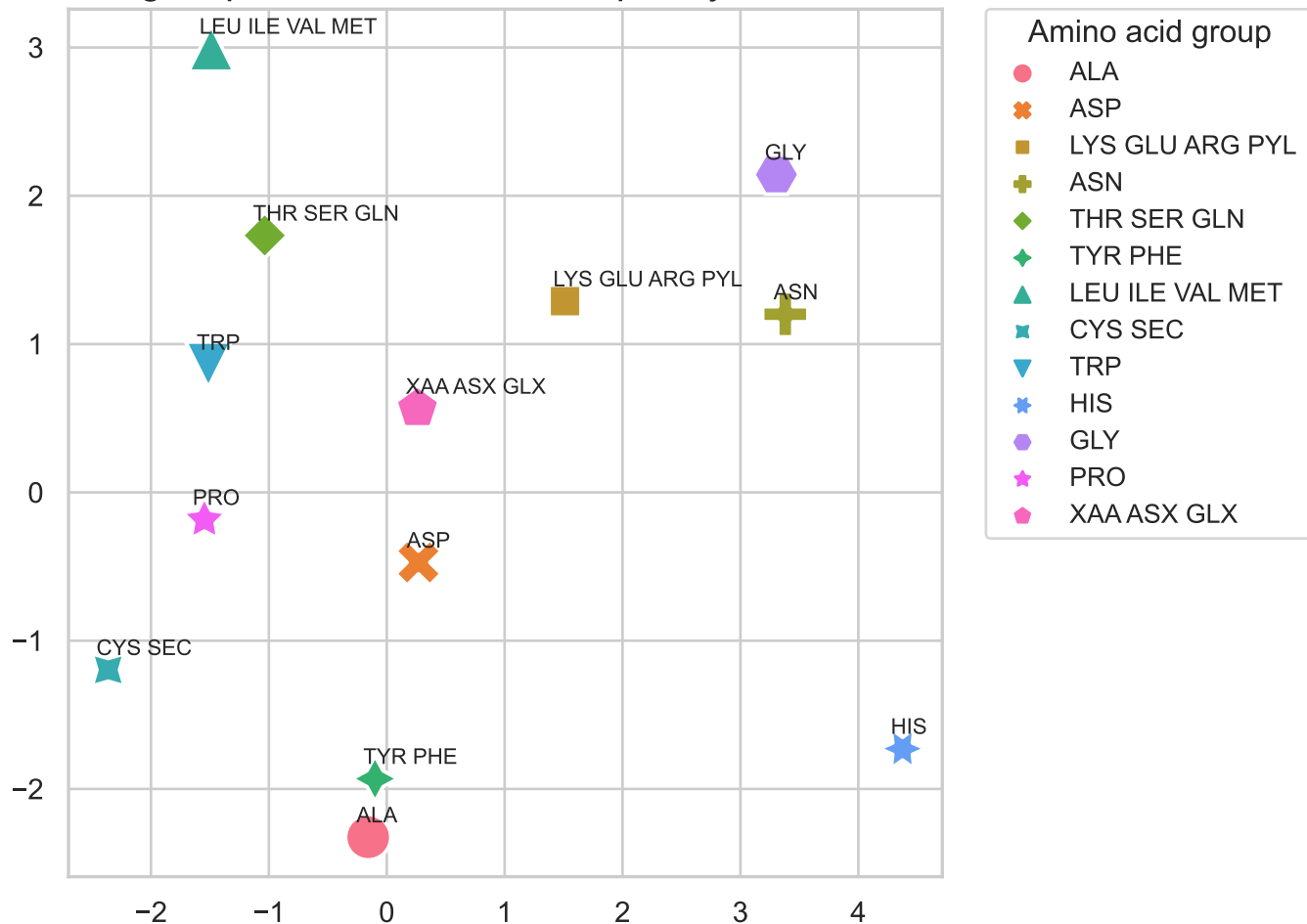
Training step: 170k, Validation Perplexity: 6.64 out of 13



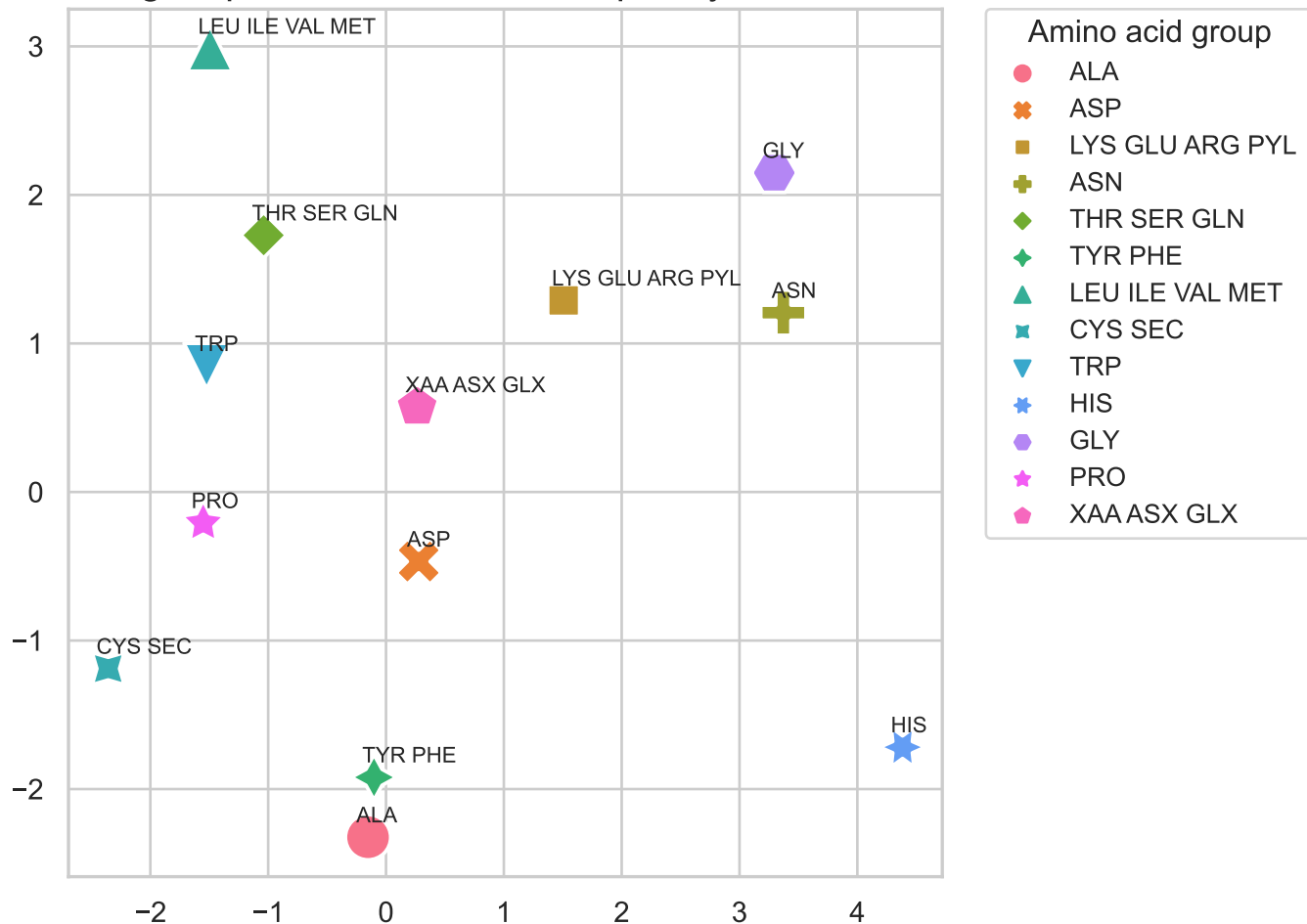
Training step: 180k, Validation Perplexity: 6.62 out of 13



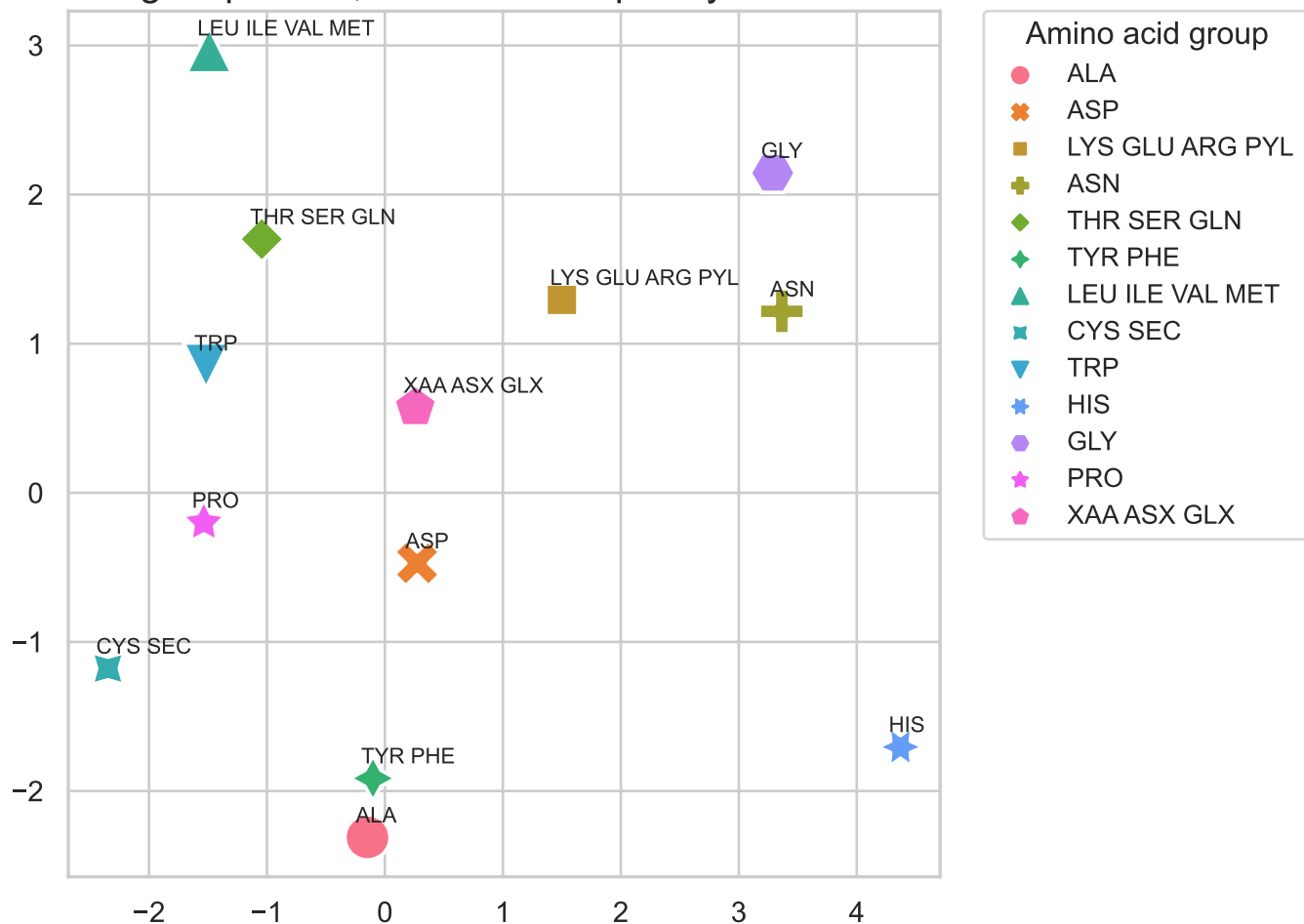
Training step: 190k, Validation Perplexity: 6.62 out of 13



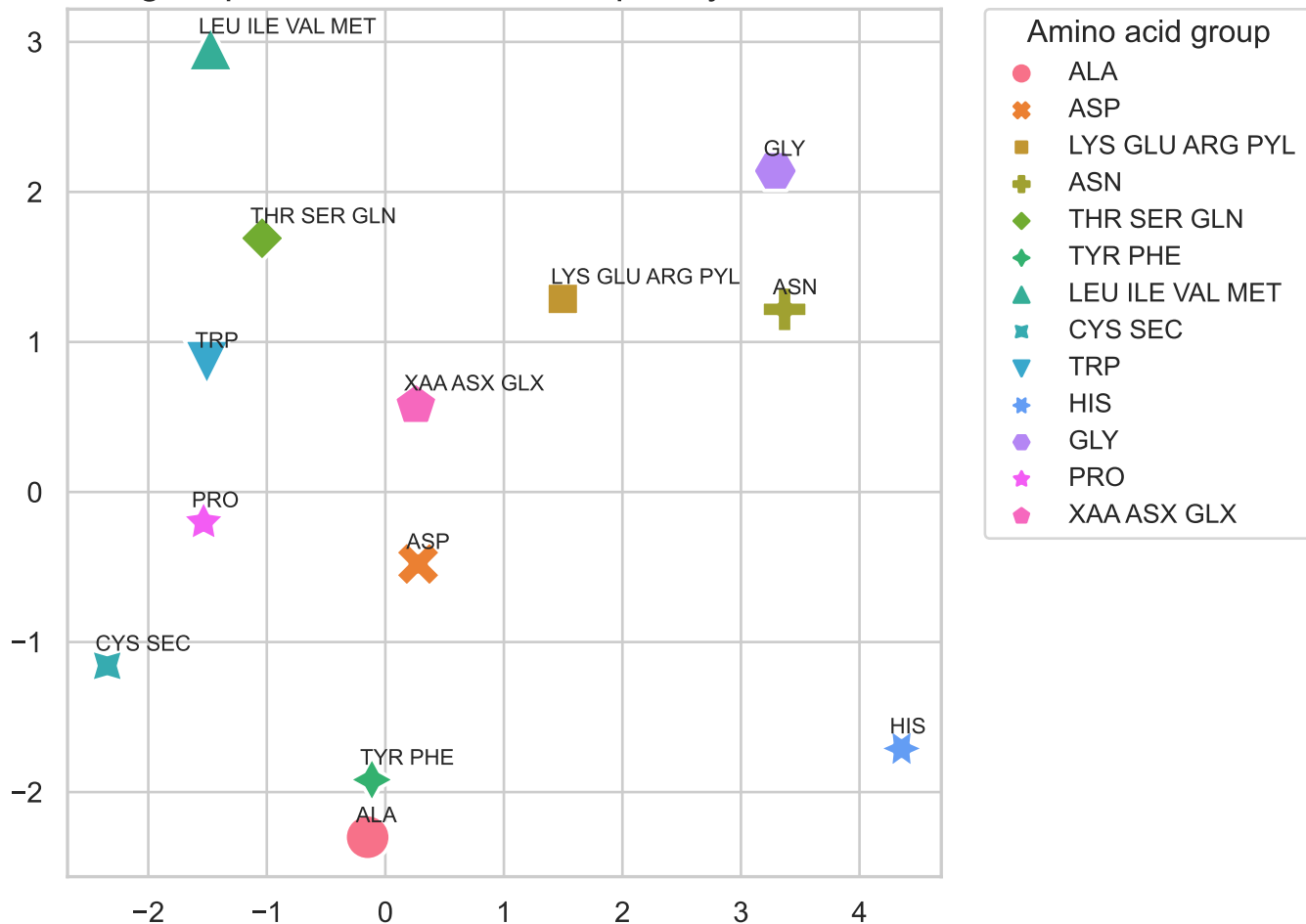
Training step: 200k, Validation Perplexity: 6.59 out of 13



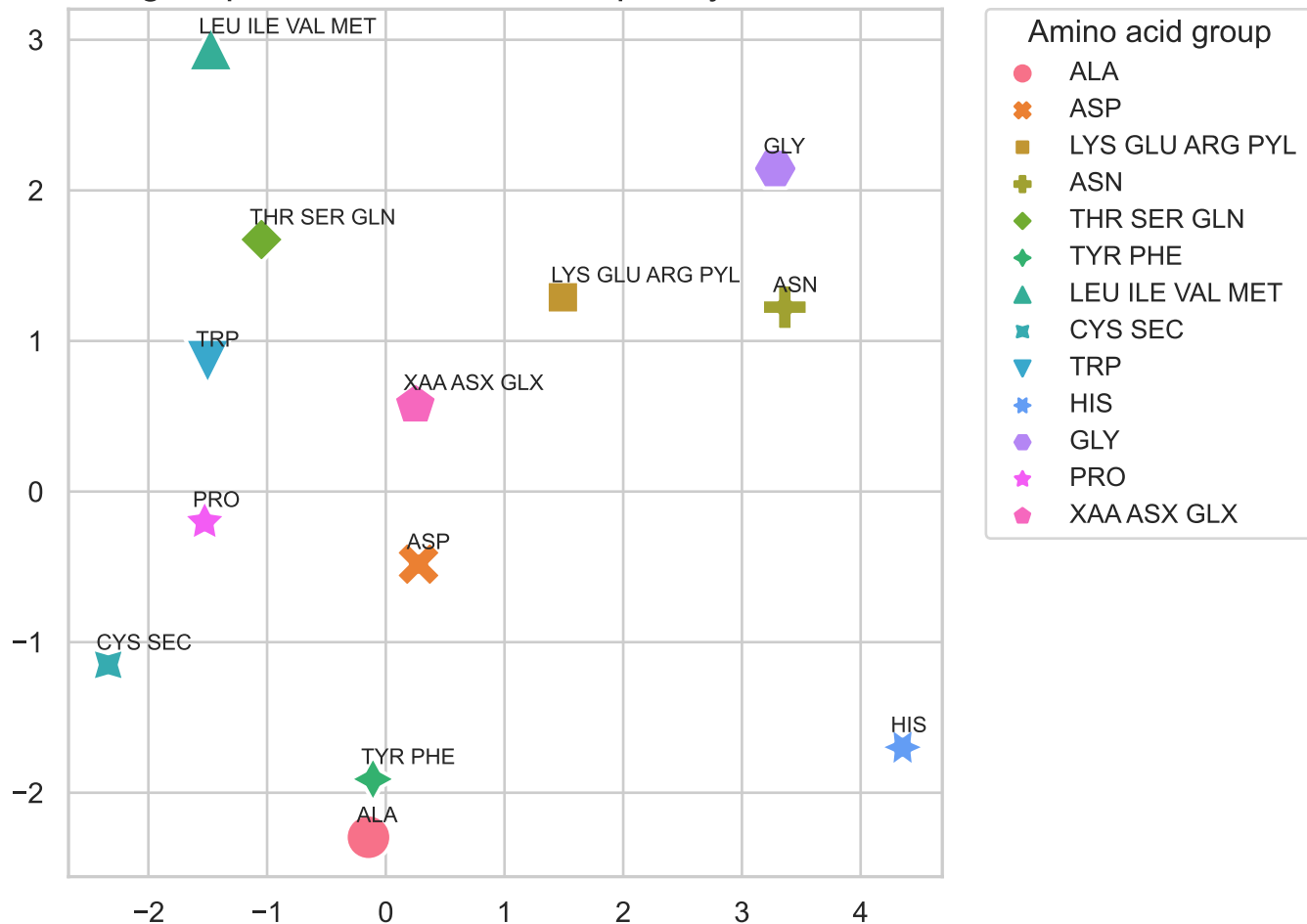
Training step: 210k, Validation Perplexity: 6.56 out of 13



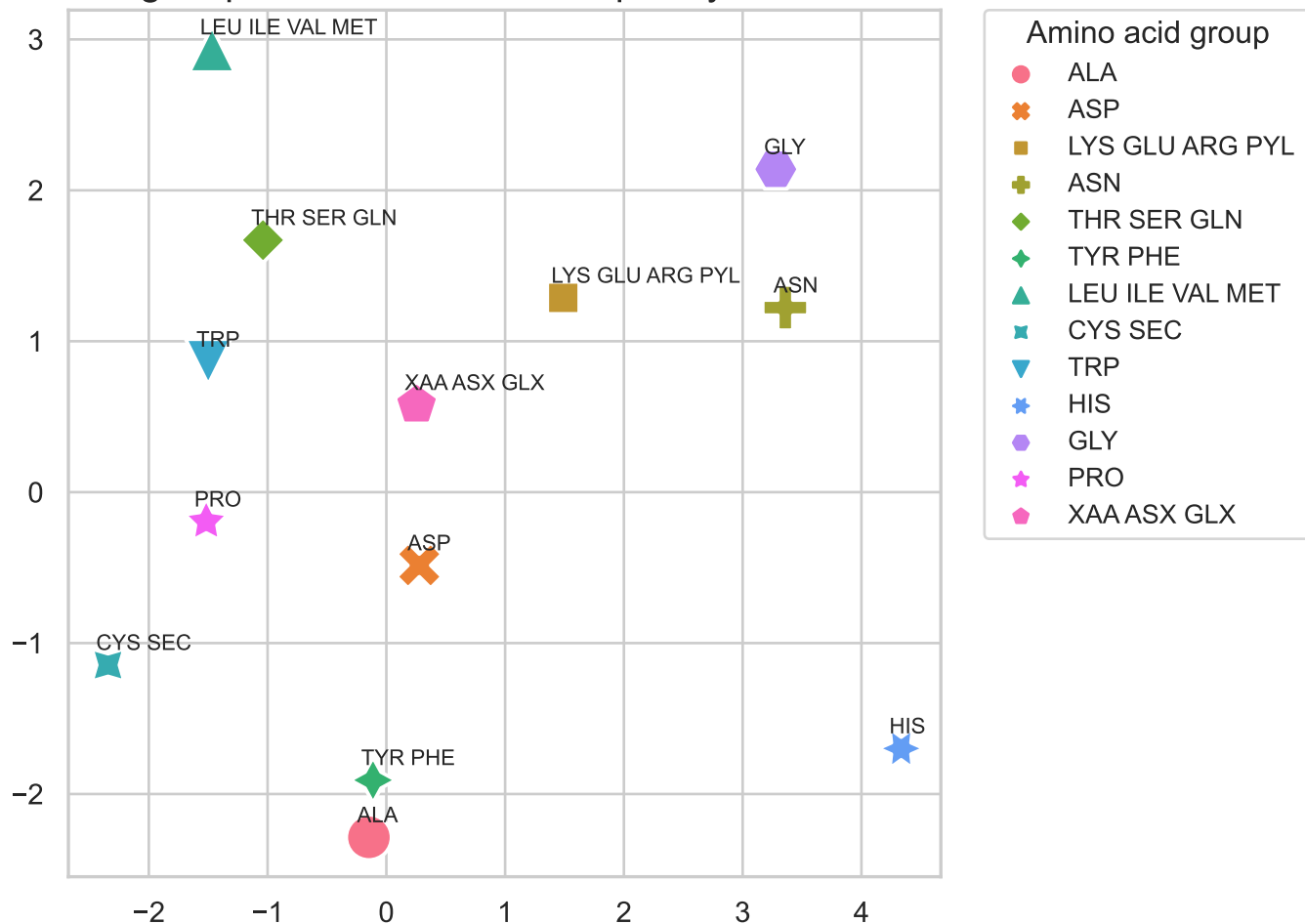
Training step: 220k, Validation Perplexity: 6.56 out of 13



Training step: 230k, Validation Perplexity: 6.55 out of 13

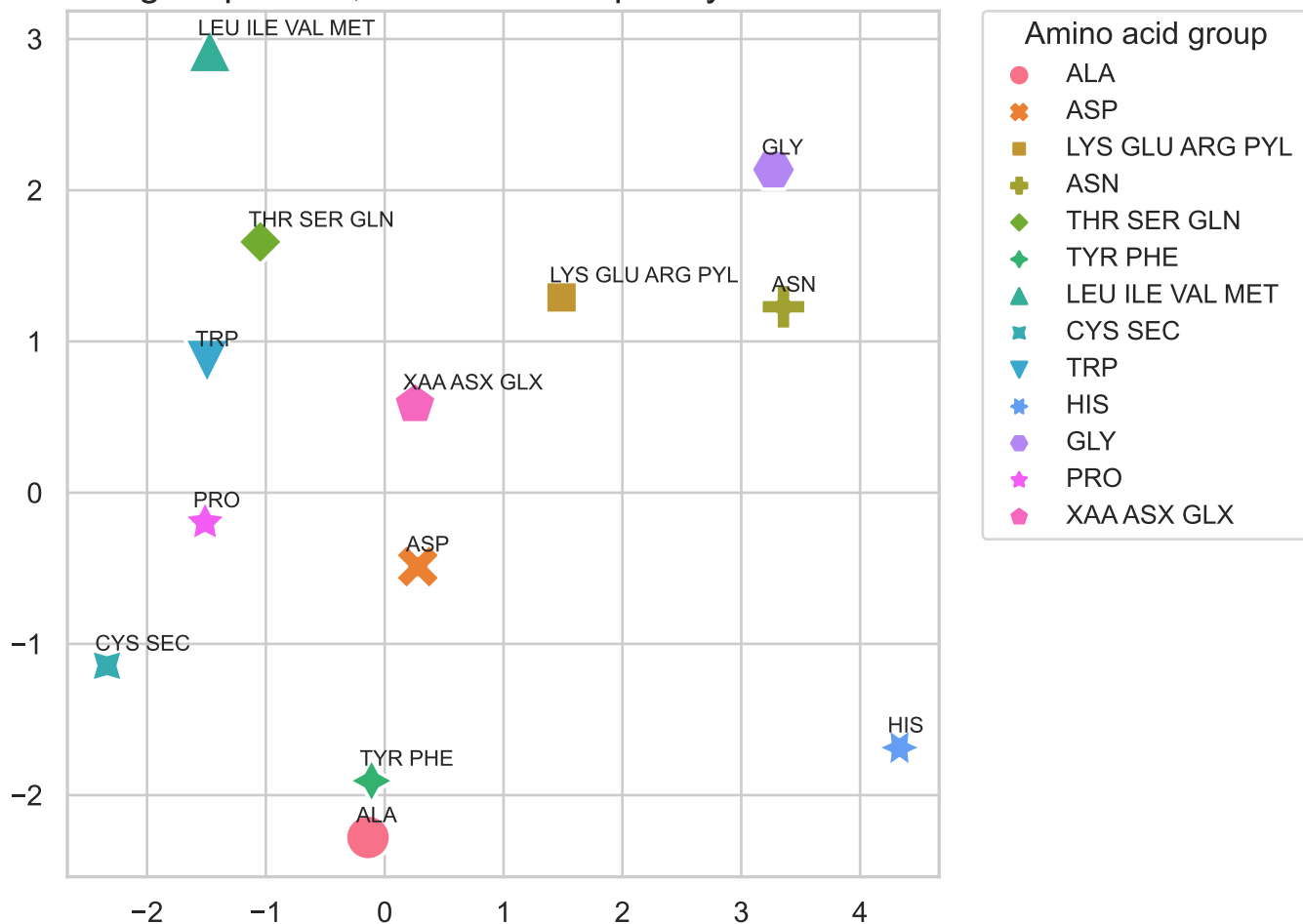


Training step: 240k, Validation Perplexity: 6.54 out of 13

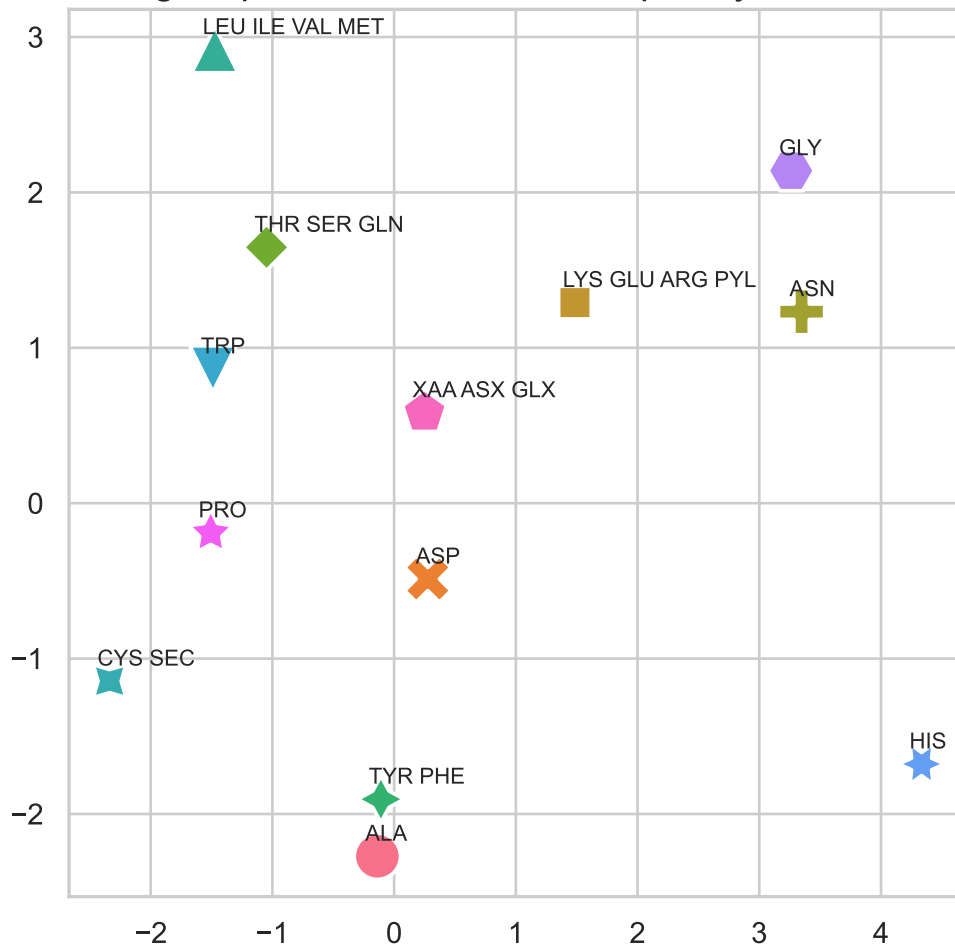




Training step: 250k, Validation Perplexity: 6.52 out of 13



Training step: 260k, Validation Perplexity: 6.5 out of 13



Amino acid group

- ALA
- ASP
- LYS GLU ARG PYL
- ASN
- THR SER GLN
- TYR PHE
- LEU ILE VAL MET
- CYS SEC
- TRP
- HIS
- GLY
- PRO
- XAA ASX GLX

Training step: 270k, Validation Perplexity: 6.5 out of 13

