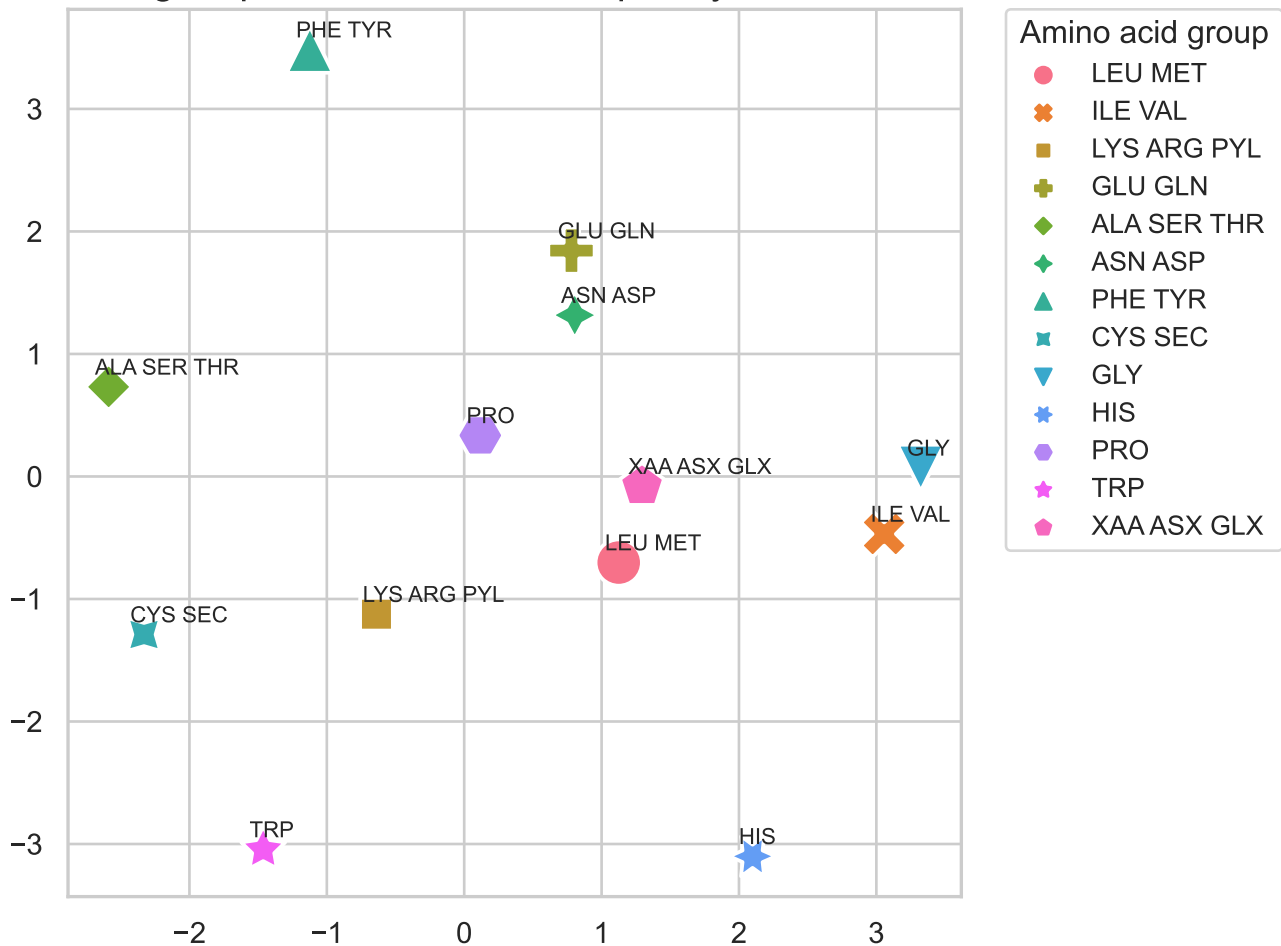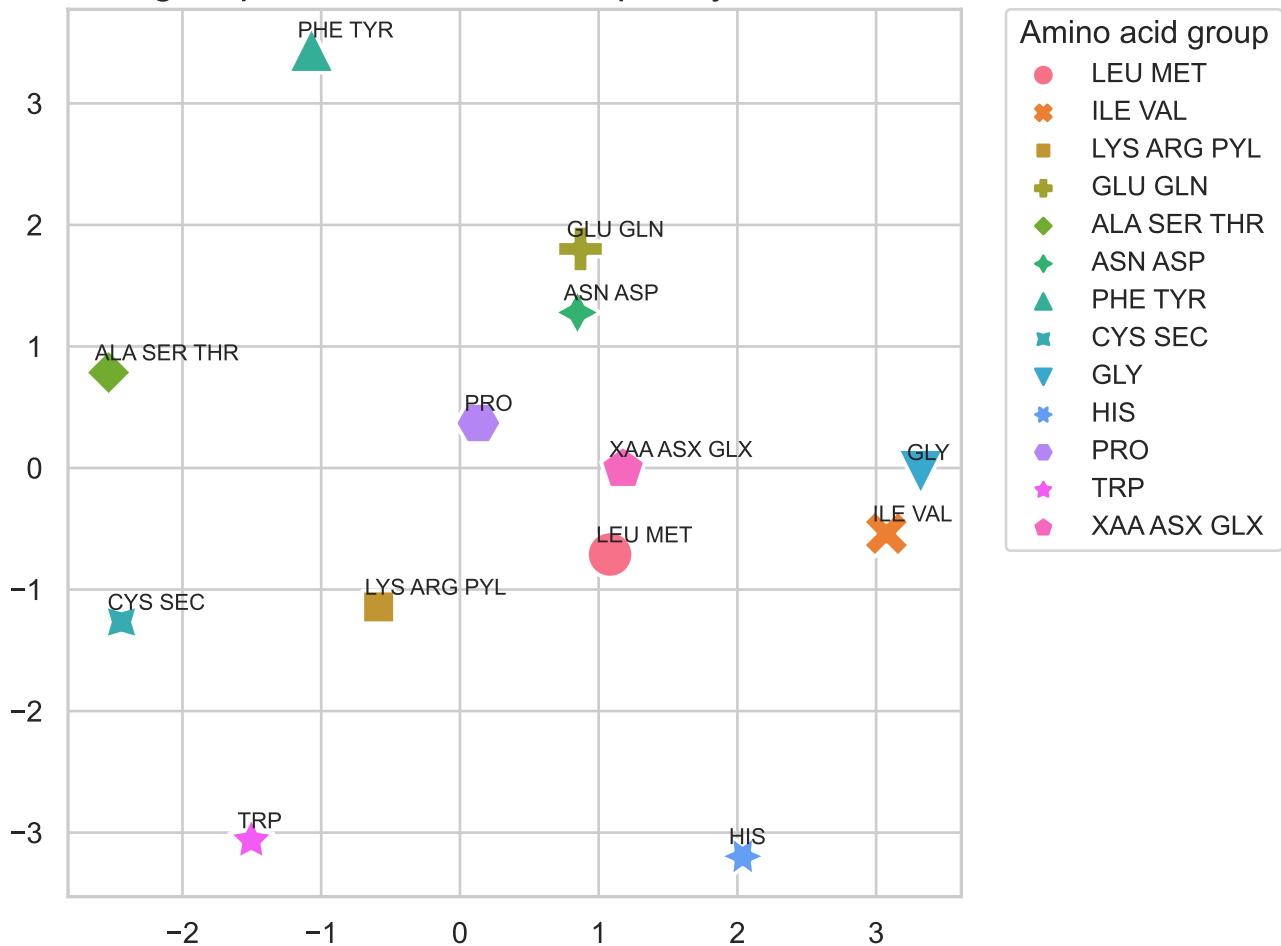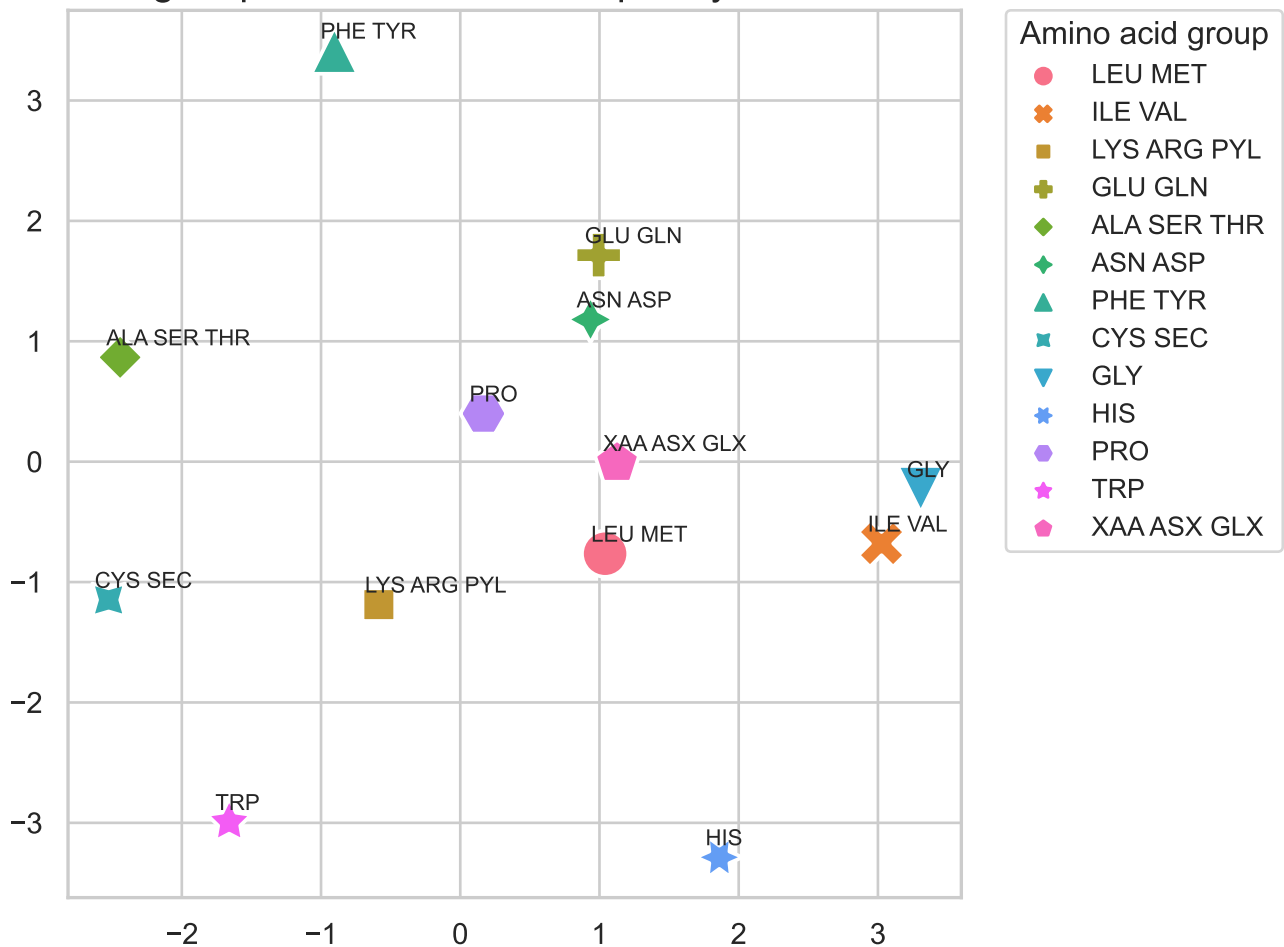Training step: 10k, Validation Perplexity: 8.61 out of 13
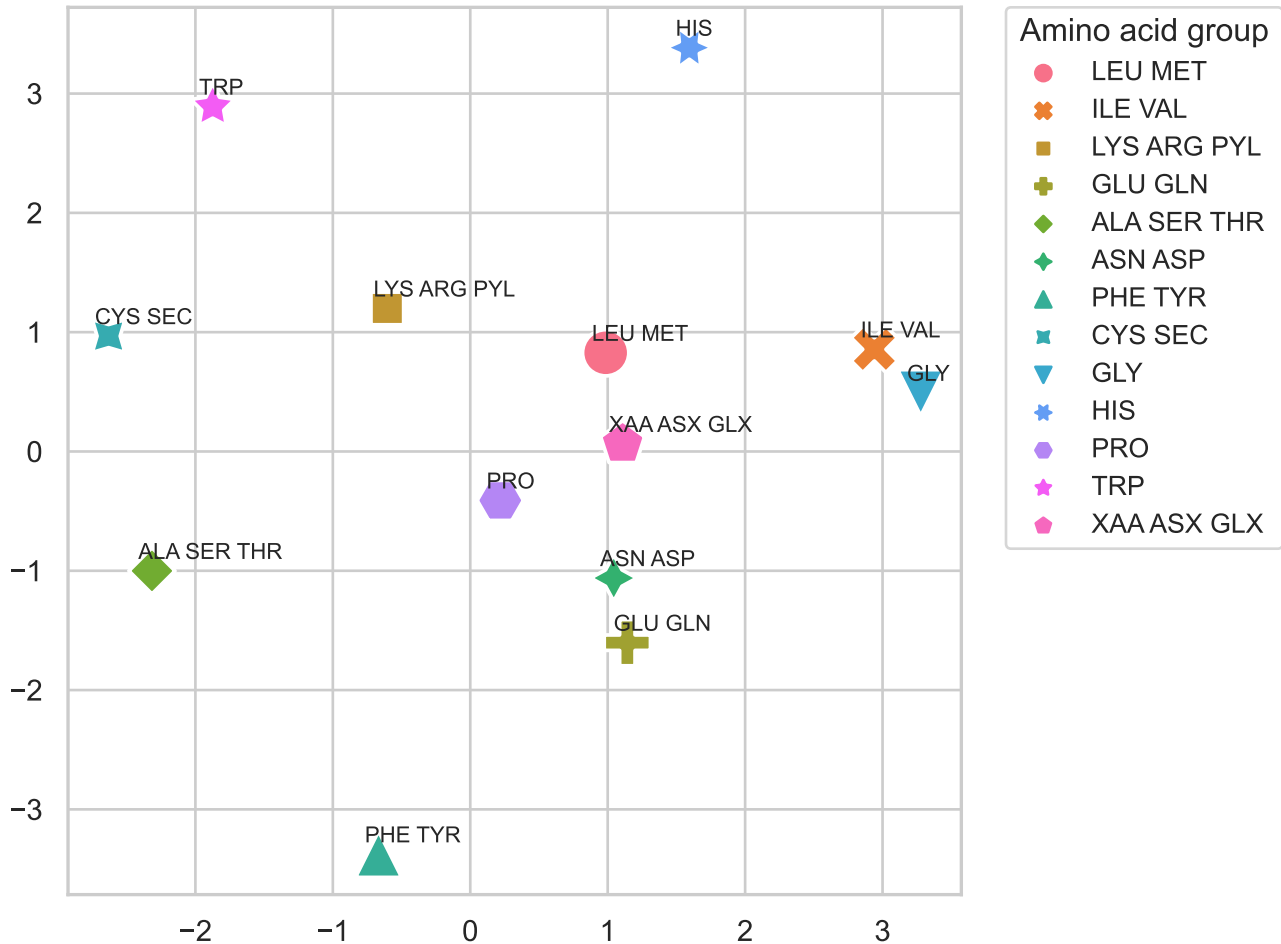
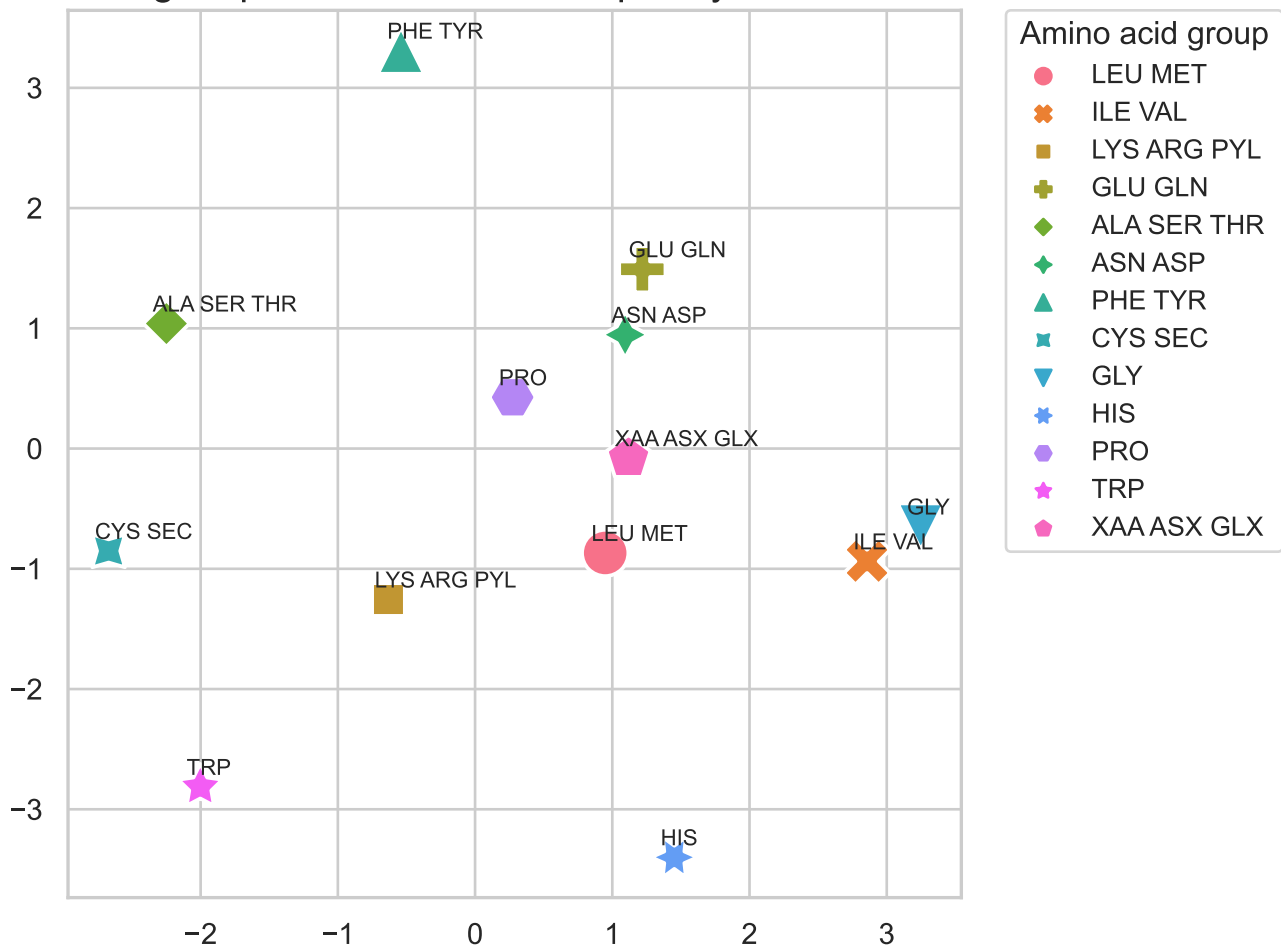Training step: 20k, Validation Perplexity: 8.35 out of 13

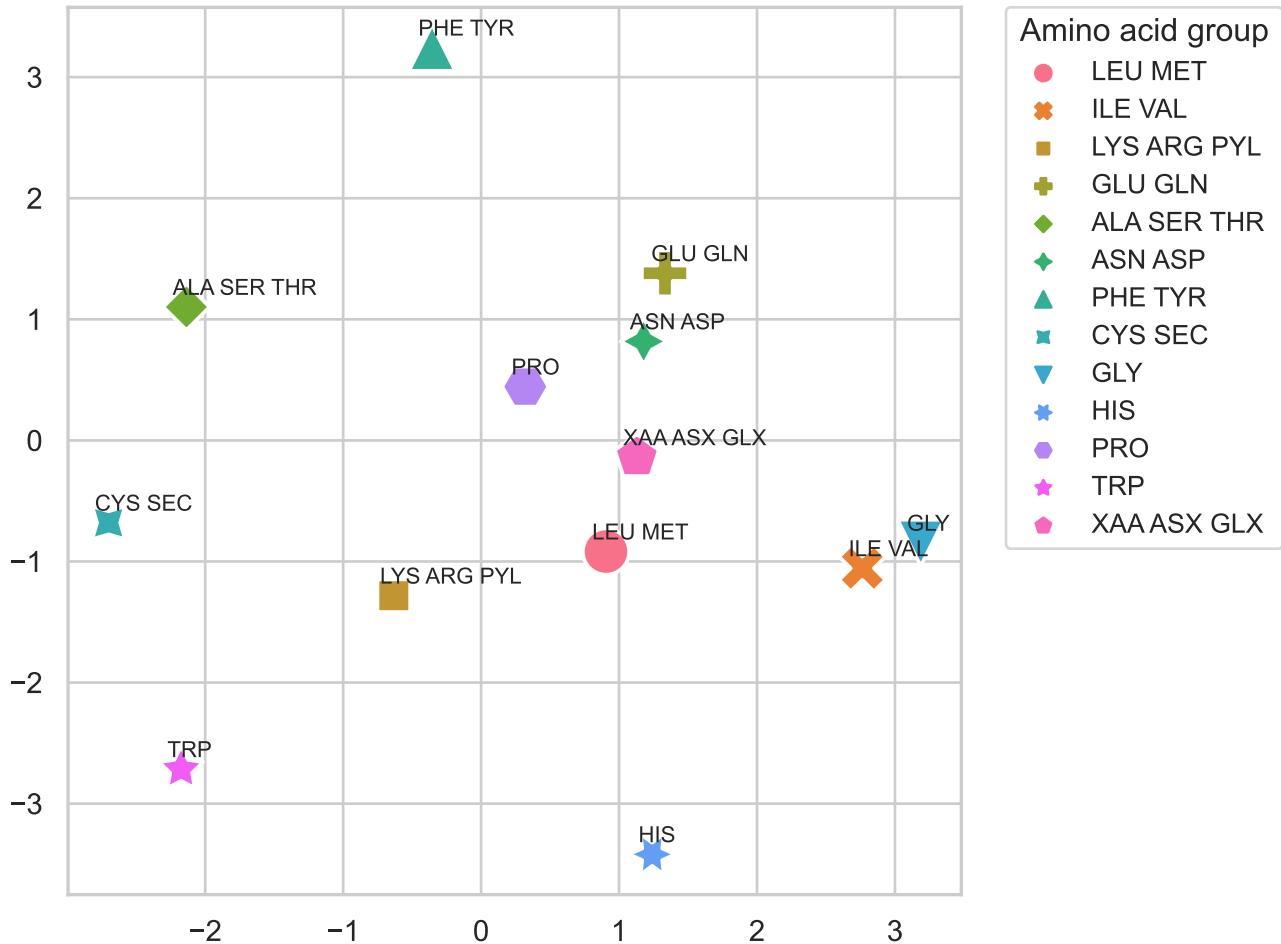Training step: 30k, Validation Perplexity: 8.12 out of 13

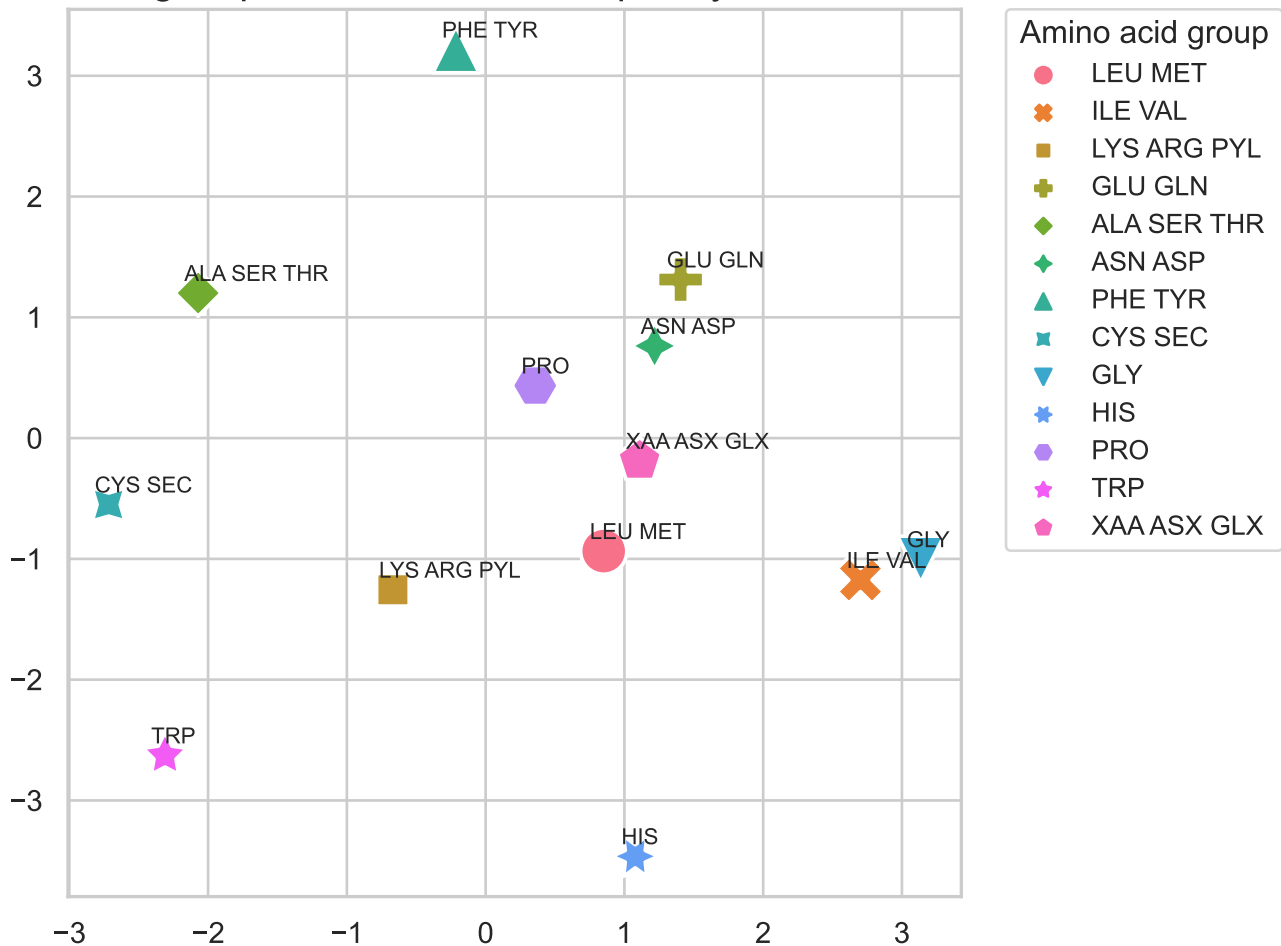Training step: 40k, Validation Perplexity: 7.97 out of 13

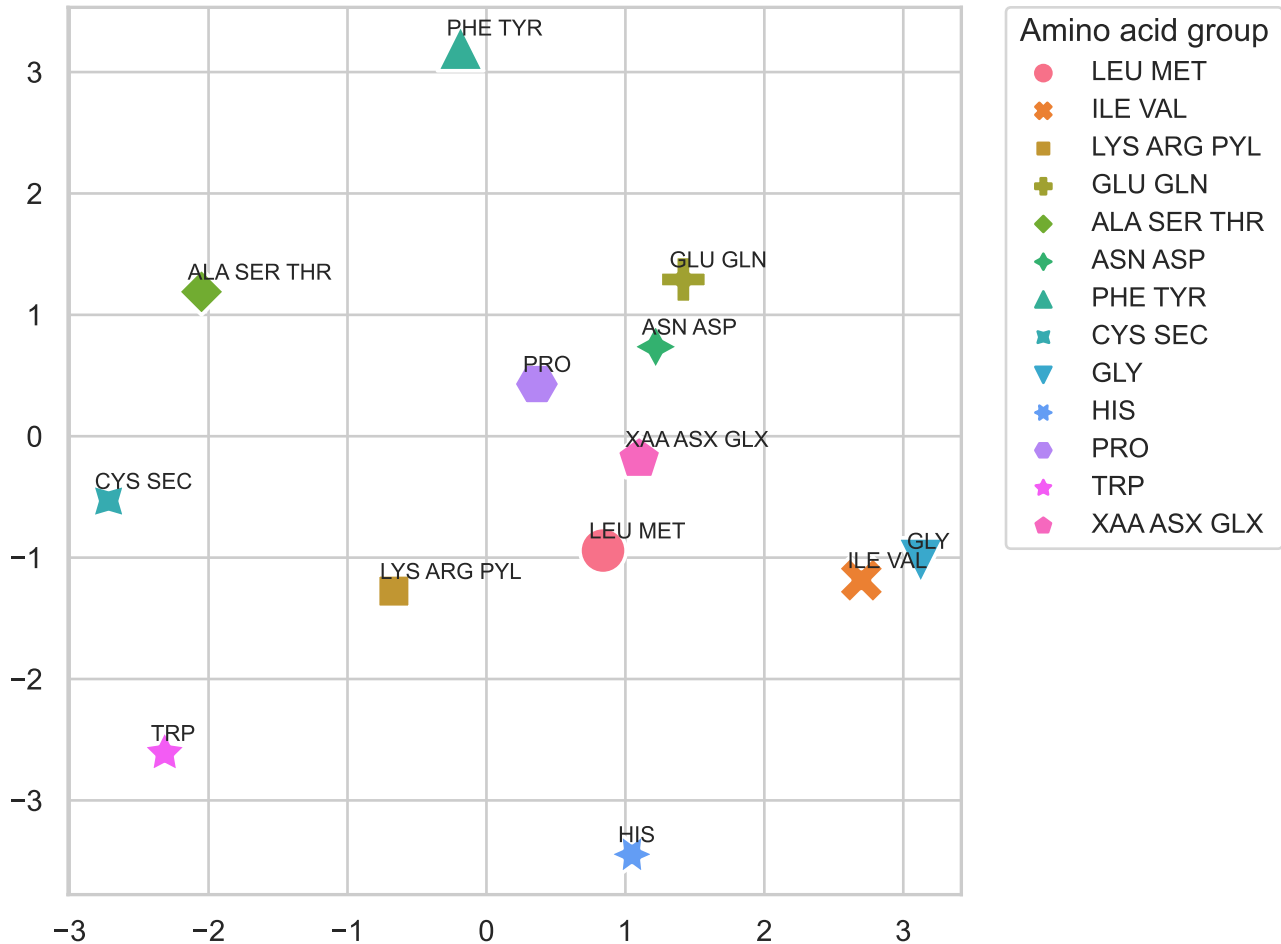Training step: 50k, Validation Perplexity: 7.86 out of 13

Training step: 60k, Validation Perplexity: 7.76 out of 13

Training step: 70k, Validation Perplexity: 8.26 out of 13

Training step: 80k, Validation Perplexity: 7.78 out of 13

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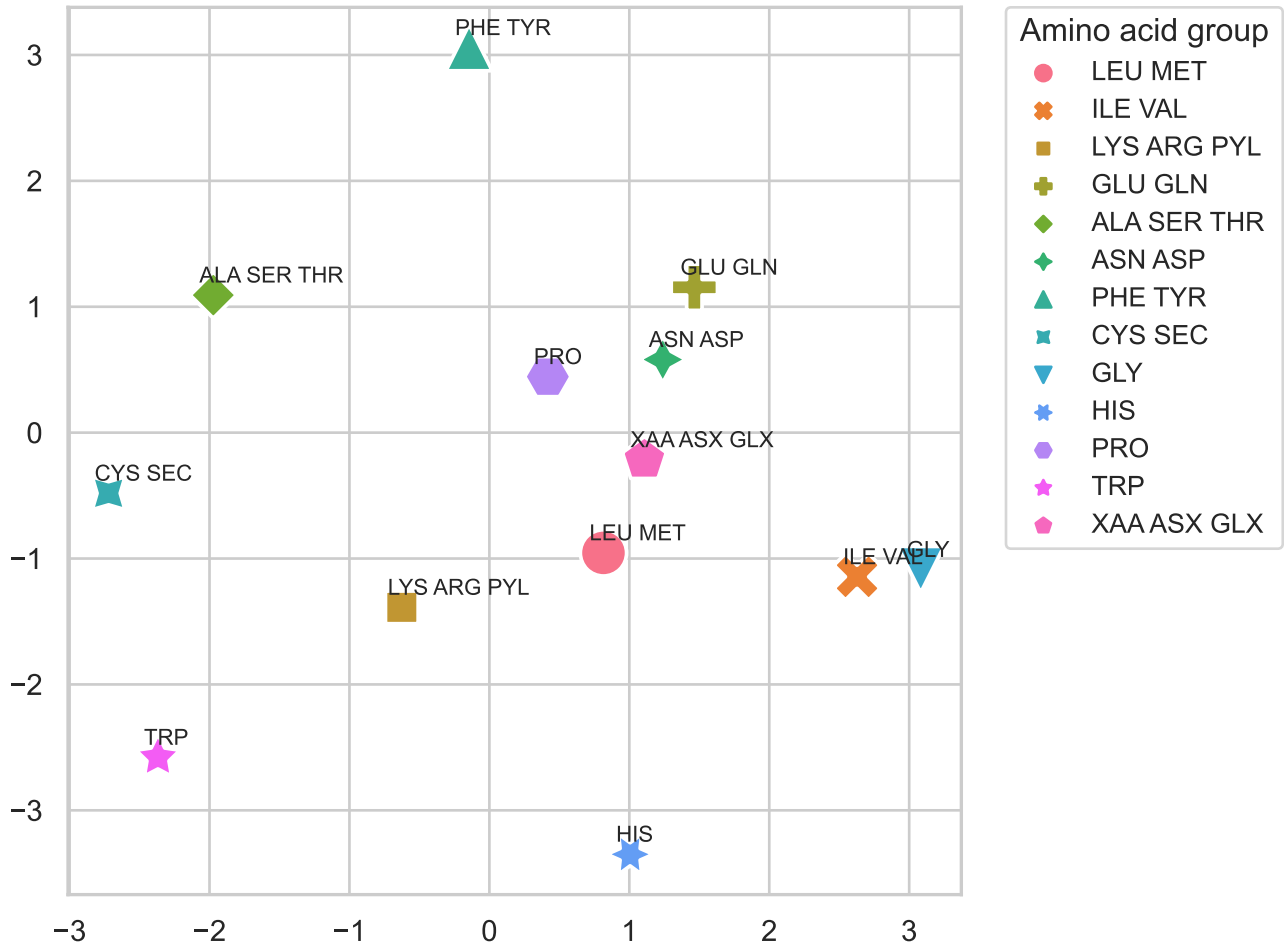- GLY
- HIS
- PRO
- TRP
- XAA ASX GLX

Training step: 90k, Validation Perplexity: 7.64 out of 13

Training step: 100k, Validation Perplexity: 7.59 out of 13

Training step: 110k, Validation Perplexity: 7.53 out of 13

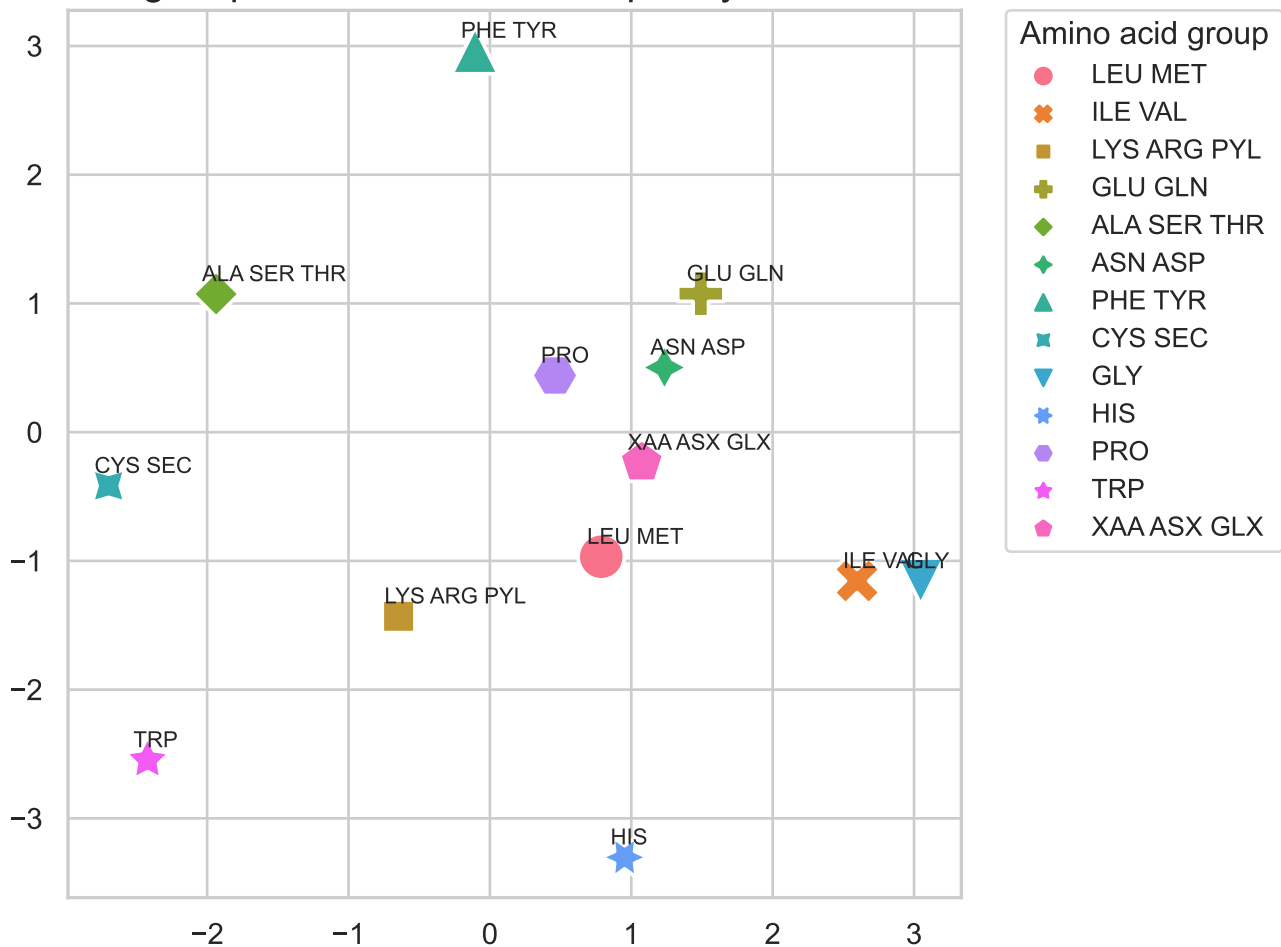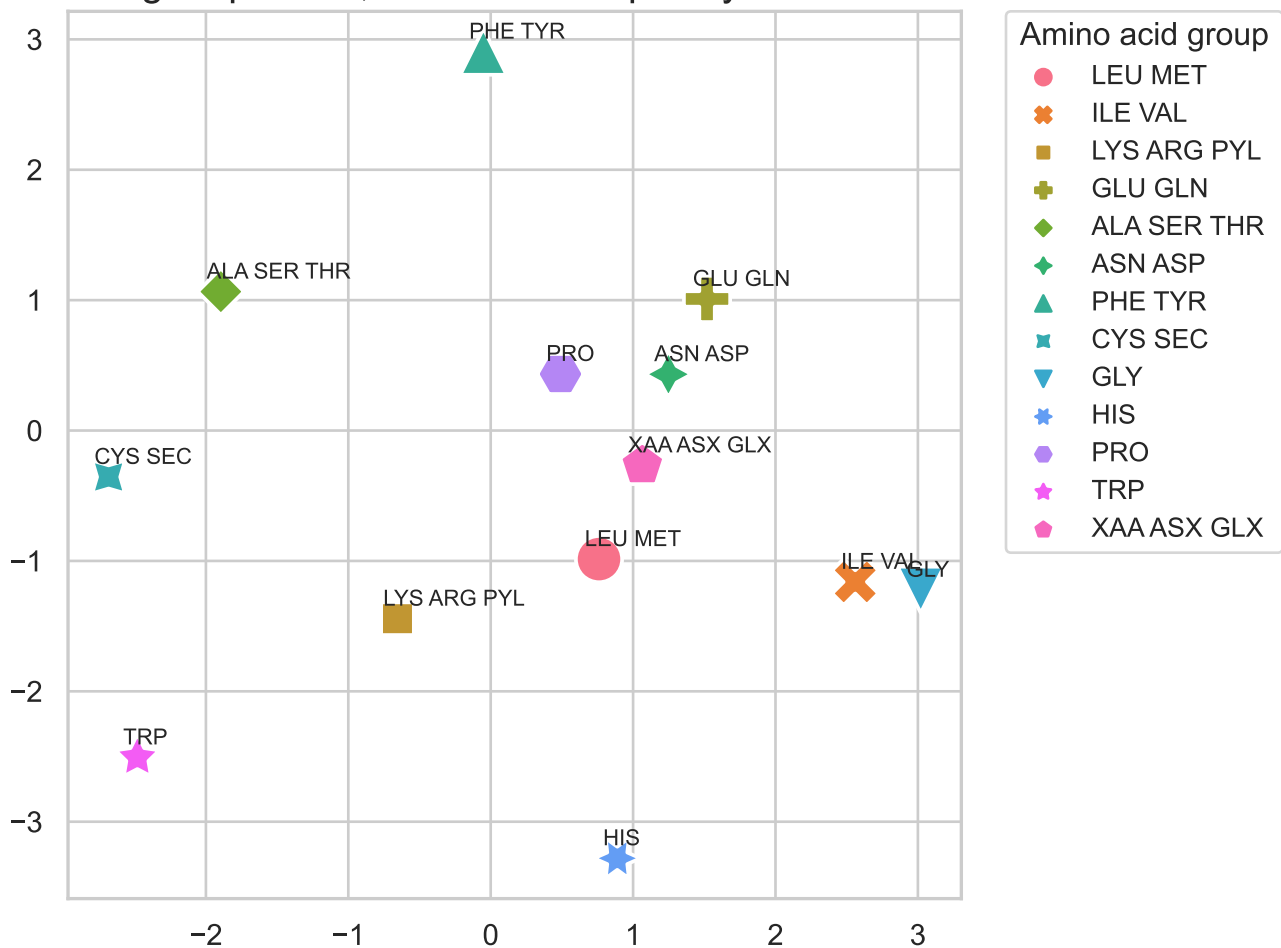Training step: 120k, Validation Perplexity: 7.51 out of 13

Training step: 130k, Validation Perplexity: 7.45 out of 13

Training step: 140k, Validation Perplexity: 7.4 out of 13

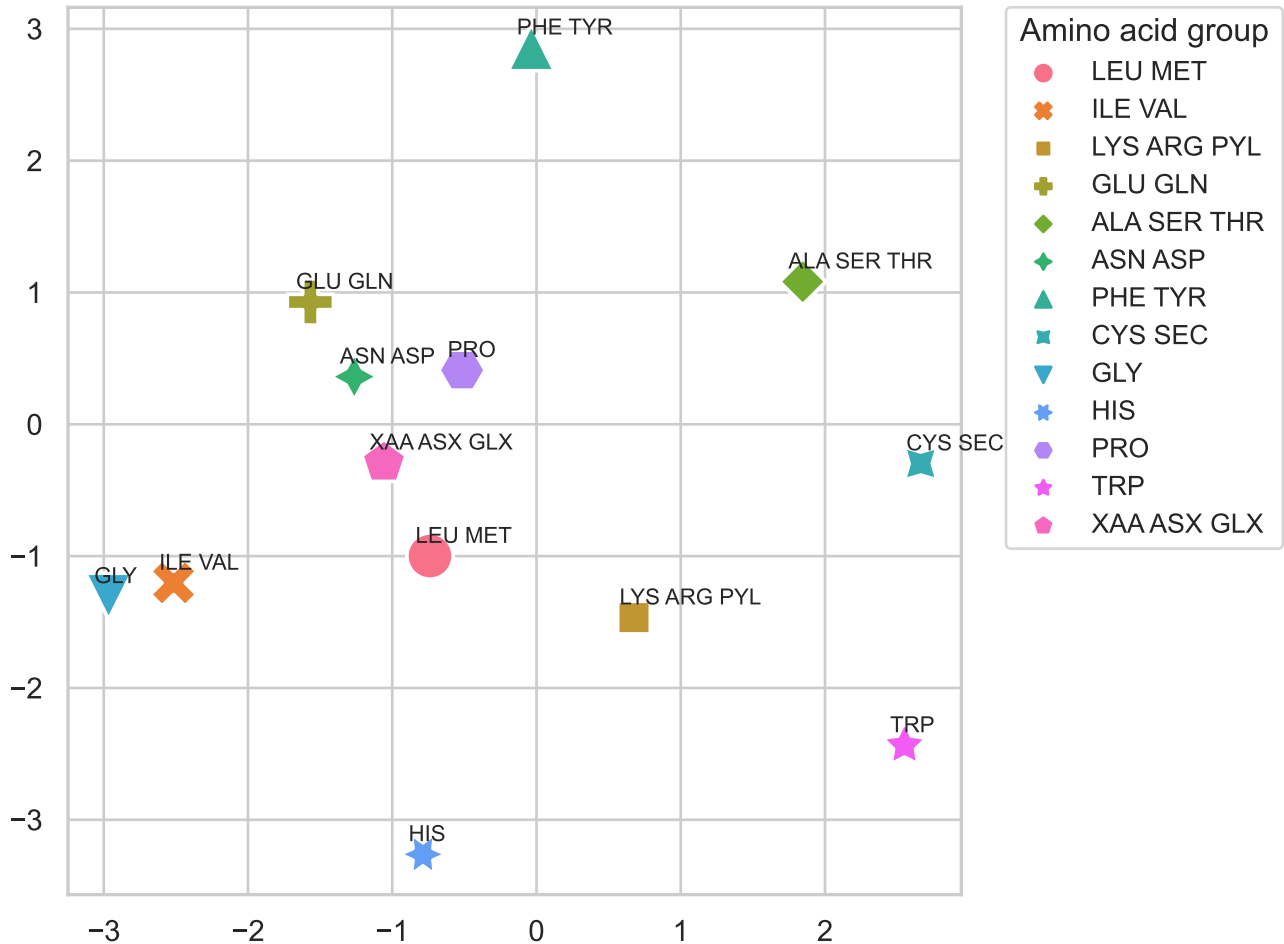Training step: 150k, Validation Perplexity: 7.37 out of 13
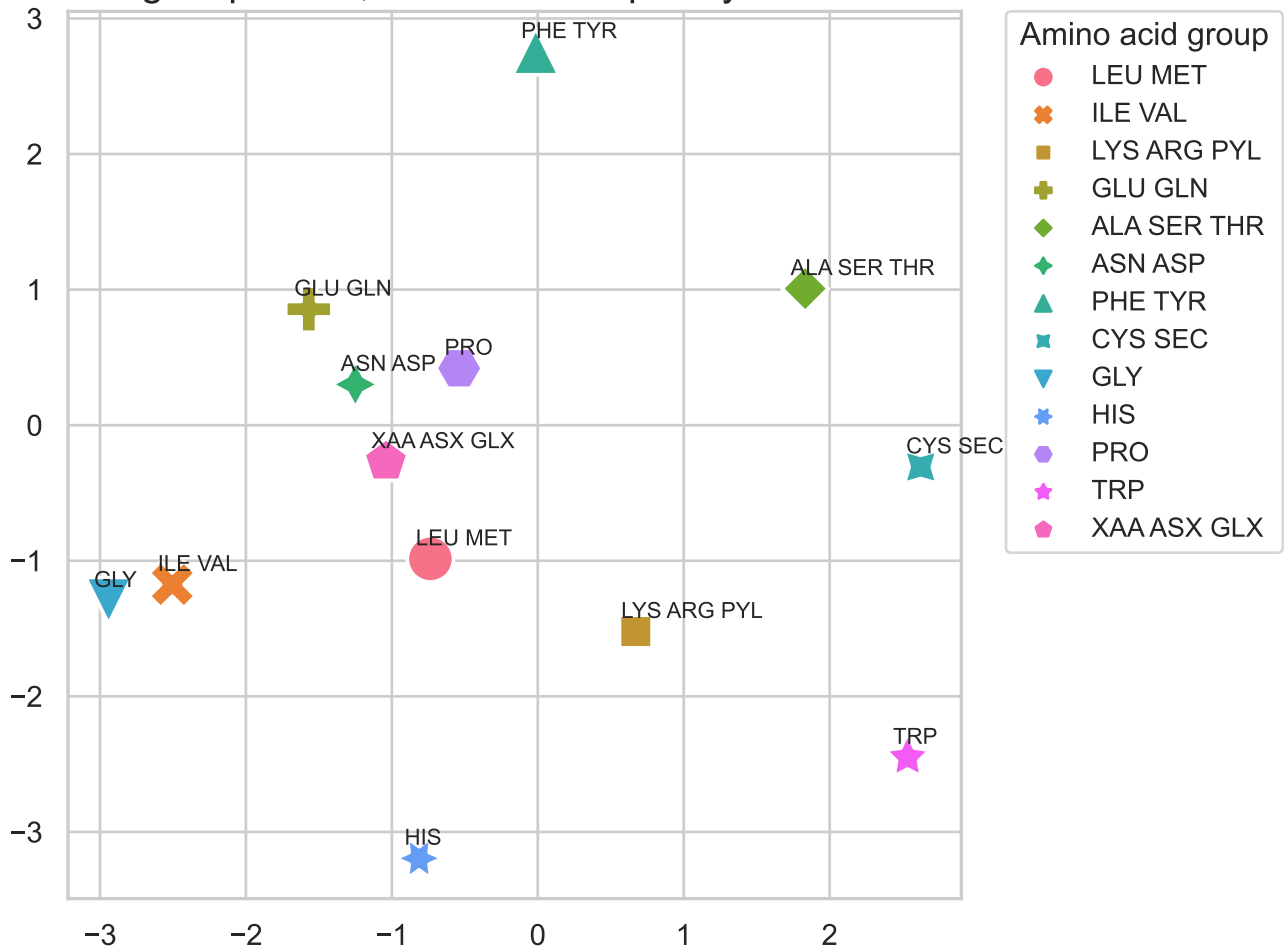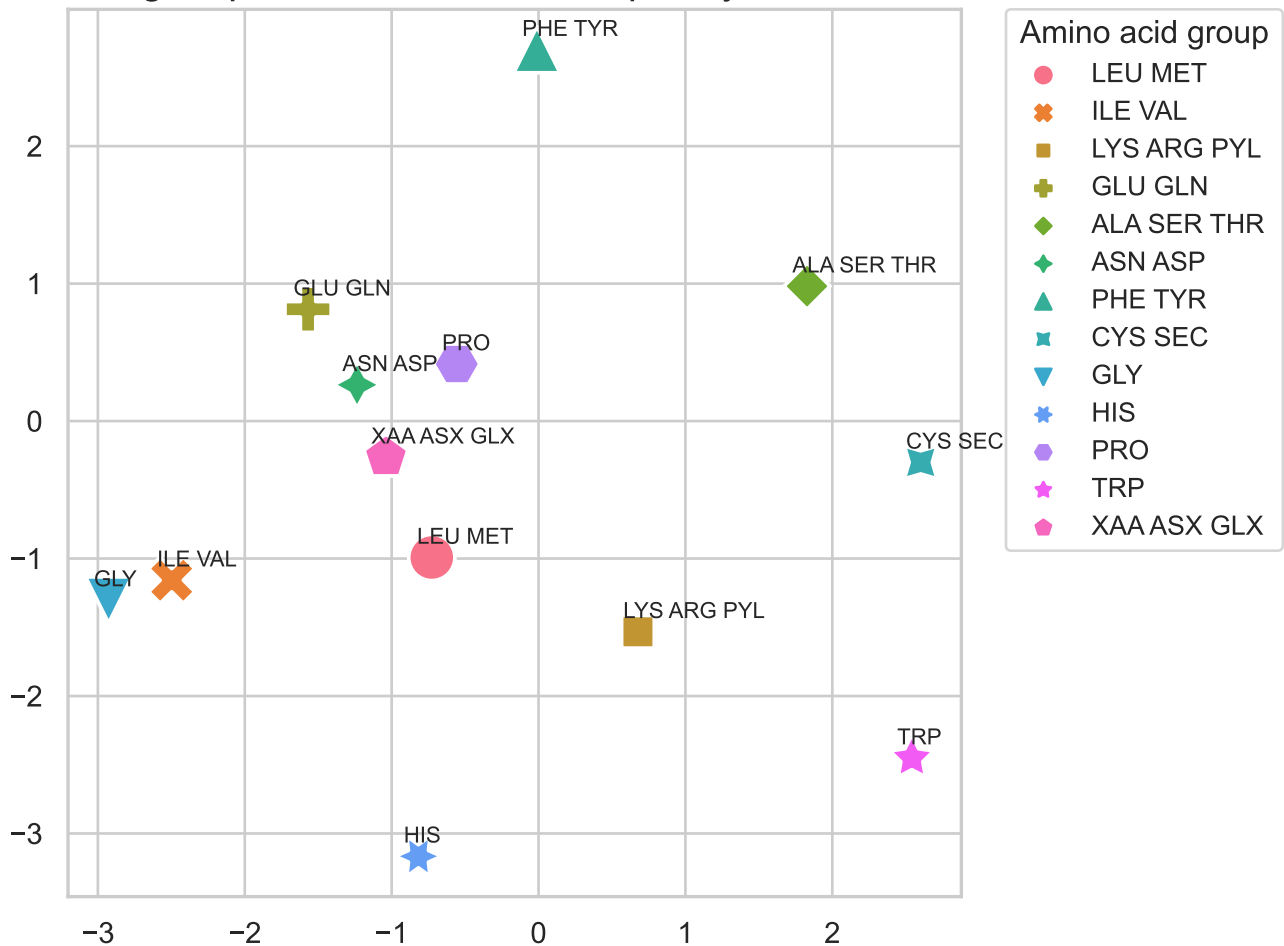
Training step: 160k, Validation Perplexity: 7.34 out of 13

Training step: 170k, Validation Perplexity: 7.31 out of 13

Training step: 180k, Validation Perplexity: 7.28 out of 13

Training step: 190k, Validation Perplexity: 7.26 out of 13

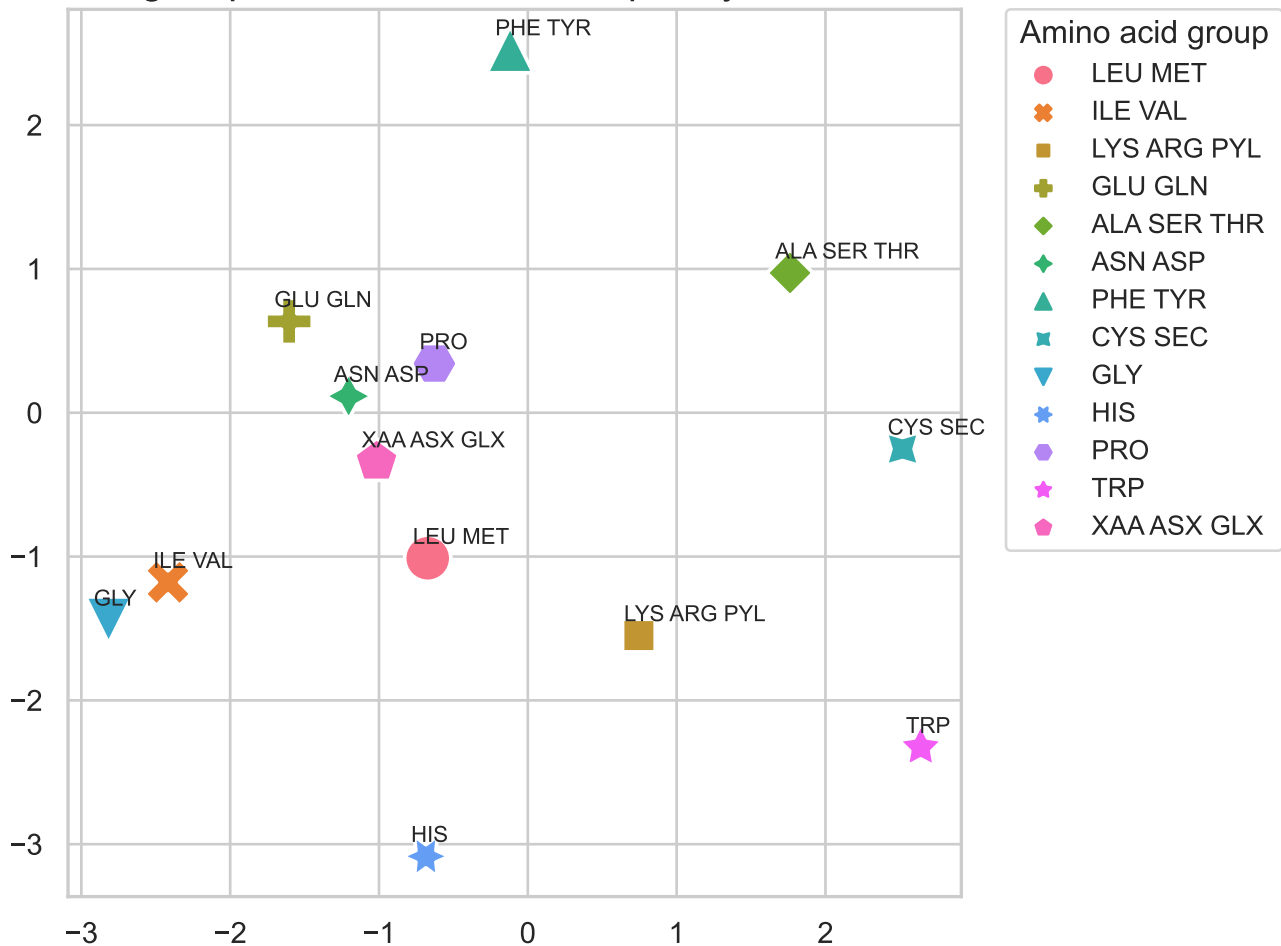Training step: 200k, Validation Perplexity: 7.24 out of 13

Training step: 210k, Validation Perplexity: 7.26 out of 13

Training step: 220k, Validation Perplexity: 7.22 out of 13

Training step: 230k, Validation Perplexity: 7.19 out of 13

Training step: 240k, Validation Perplexity: 7.18 out of 13

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