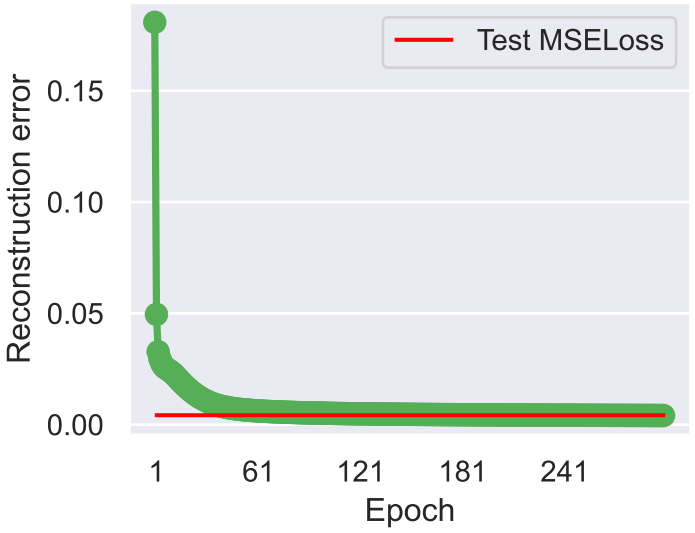
One-hot encoder with arch 399->32 on test set

Reconstruction error during training

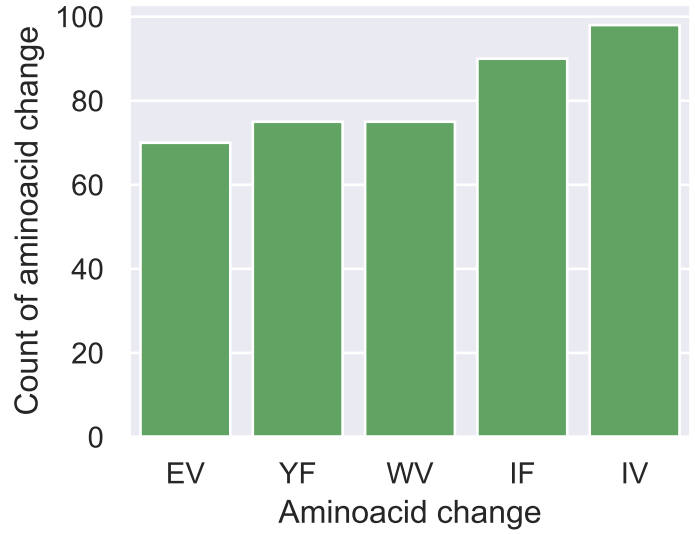


Average reconstruction error on test set:
MSELoss: 0.00423

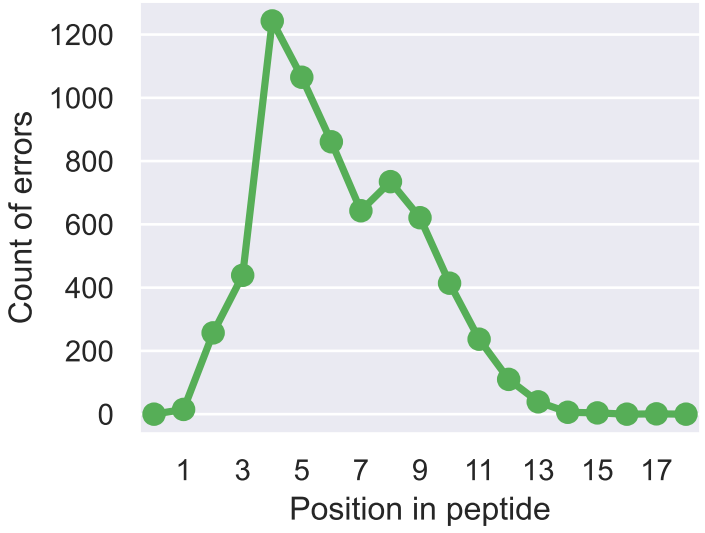
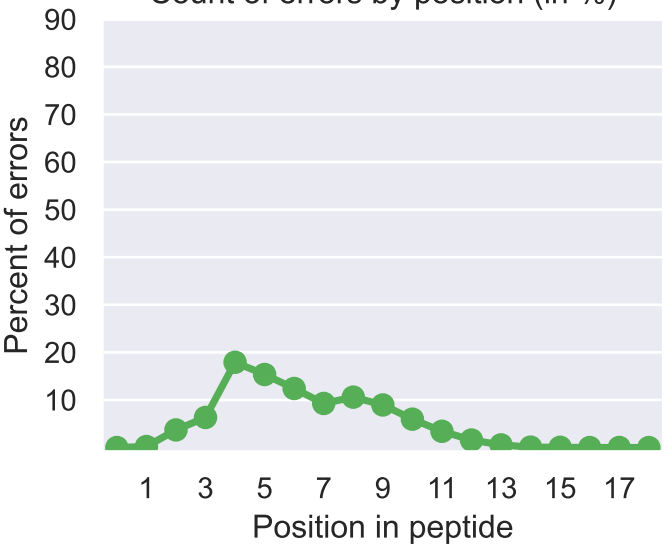
From 7057 sequences with right seq len:6936

	precision	recall	f1-score	support
A	0.96	0.98	0.97	10340
C	1.00	1.00	1.00	6967
D	0.87	0.92	0.89	2806
E	0.95	0.92	0.93	5870
F	0.95	0.96	0.96	10651
G	0.96	0.99	0.98	9992
H	0.78	0.63	0.70	1128
I	0.53	0.43	0.48	1284
K	0.77	0.44	0.56	606
L	0.92	0.94	0.93	4365
M	0.54	0.25	0.34	354
N	0.91	0.90	0.91	2926
P	0.86	0.90	0.88	2895
Q	0.95	0.96	0.96	6460
R	0.87	0.90	0.89	3062
S	0.97	0.98	0.98	15821
T	0.94	0.96	0.95	6367
V	0.65	0.73	0.69	1764
W	0.35	0.18	0.24	679
Y	0.96	0.92	0.94	5859
accuracy			0.93	100196
macro avg	0.83	0.79	0.81	100196
weighted avg	0.93	0.93	0.93	100196

Aminoacid changes (5 most common)



Count of errors by position



Count of errors by position (in %)