Reconstruction error during training for Autoencoder_3

Reconstruction error

— Test MSE

Epoch

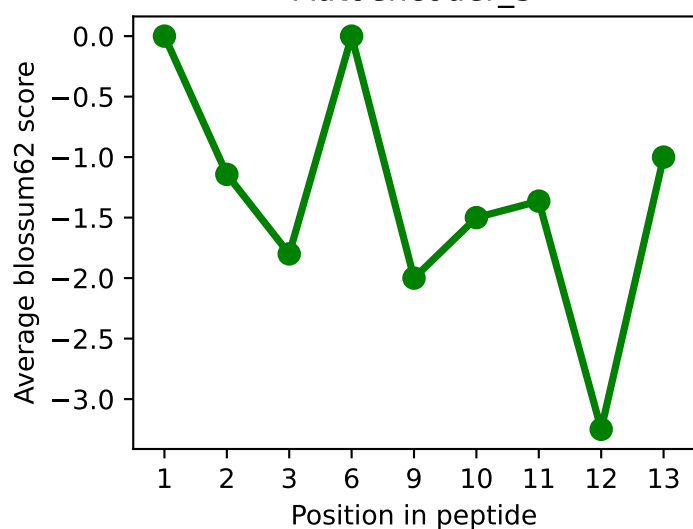## Average blossum62 score by position for Autoencoder_3

Average blossum62 score

Position in peptide
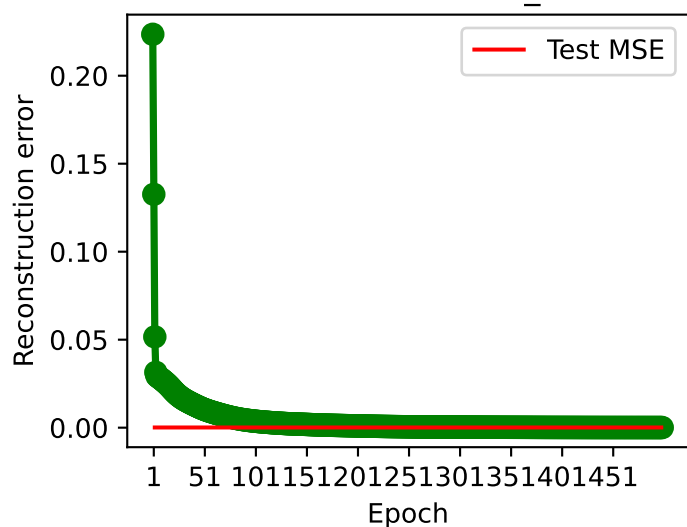
Average reconstruction error on test set:
MSE: 0.00011
RMSE: 0.01046
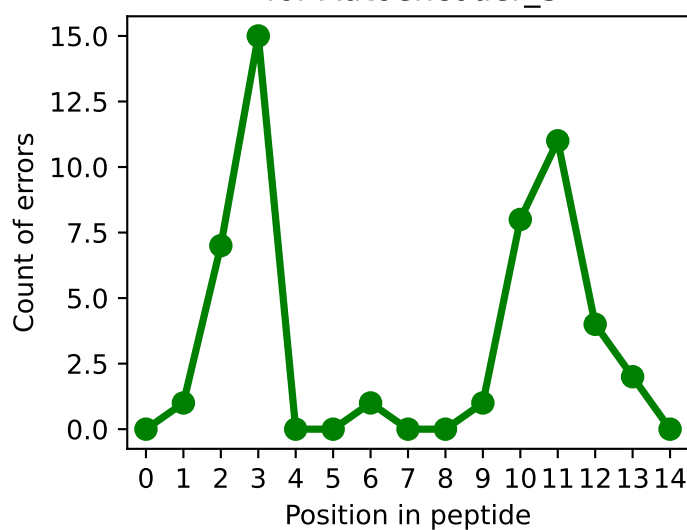
Architecture: 300->250 without L2
Learning rate: 0.001

	precision	recall	f1-score	support
A	1.00	1.00	1.00	2570
C	1.00	1.00	1.00	1683
D	0.99	1.00	1.00	739
E	1.00	1.00	1.00	1381
F	1.00	1.00	1.00	2561
G	1.00	1.00	1.00	2649
H	0.98	1.00	0.99	315
I	1.00	1.00	1.00	295
K	0.99	0.99	0.99	170
L	1.00	1.00	1.00	1089
M	1.00	0.99	1.00	117
N	1.00	1.00	1.00	784
P	1.00	1.00	1.00	759
Q	1.00	1.00	1.00	1654
R	0.99	1.00	1.00	773
S	1.00	1.00	1.00	3924
T	1.00	1.00	1.00	1637
V	1.00	1.00	1.00	469
W	1.00	0.97	0.98	176
Y	1.00	1.00	1.00	1380
accuracy			1.00	25125
macro avg	1.00	1.00	1.00	25125
weighted avg	1.00	1.00	1.00	25125

Count of errors by position for Autoencoder_3

Count of errors

Position in peptide

Count of errors by position for Autoencoder_3(in %)

Percent of errors

Position in peptide