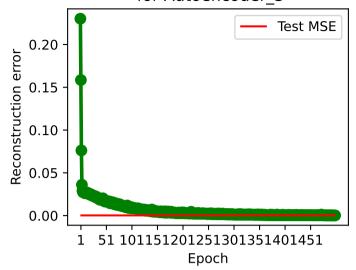
## Reconstruction error during training for Autoencoder 3



Average reconstruction error on test set:

MSE: 0.00025 RMSE: 0.01567

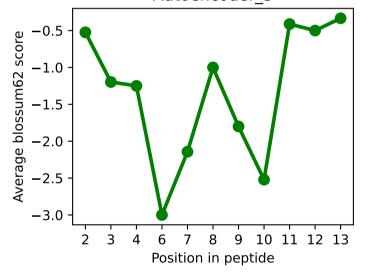
weighted avg

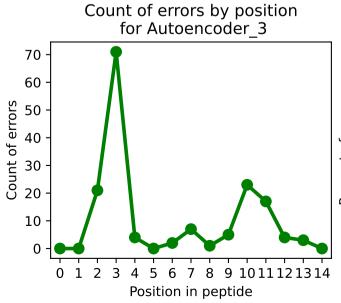
Architecture: 300->250 without L2

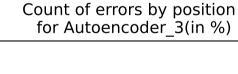
Learning rate: 0.001

pr	ecision	recall	f1-score	support
A C D E F	1.00 1.00 0.99 0.99 1.00	0.99 0.98 0.99 0.99 1.00	1.00 0.99 0.99 0.99 1.00	2844 1715 957 1356 2513
G	1.00	1.00	1.00	2831
H I	1.00 0.97	0.97 0.99	0.98 0.98	303 486
K	0.93	0.97	0.95	216
L M	$1.00 \\ 1.00$	0.99 0.76	0.99 0.86	957 83
N	0.99	0.99	0.99	884
P Q	$1.00 \\ 1.00$	$\frac{1.00}{1.00}$	1.00 1.00	722 1550
R	0.99	1.00	0.99	1166
S T	0.99 1.00	$1.00 \\ 1.00$	0.99 1.00	3151 1631
V	1.00	0.98	0.99	340
W Y	0.99 1.00	0.96 1.00	0.98 1.00	113 1307
accuracy 0.99 25125				
macro avg 0.99 0.98 0.98 25125				

Average blossum62 score by position for Autoencoder 3







0.99

0.99

0.99

25125

