

Results for Method#2 - Semi-Supervised Method (LSTM encoder decoder)

Record	Training Loss	# beats for Testing	MAE Threshold	Test Accuracy(%)
116	0.0186	109	8.24	98.16
215	0.0048	164	5.22	98.78
210	0.0040	195	6.05	96.67
233	0.0063	830	19.79	88.73
214	0.0063	256	9.07	93.36
228	0.0032	362	6.59	98.34
221	0.0062	396	4.40	98.98
119	0.0076	444	6.59	98.98
203	0.0198	444	20.34	88.28
106	0.0190	520	7.69	97.98
Average				95.826

LSTM Encoder-Decoder Model

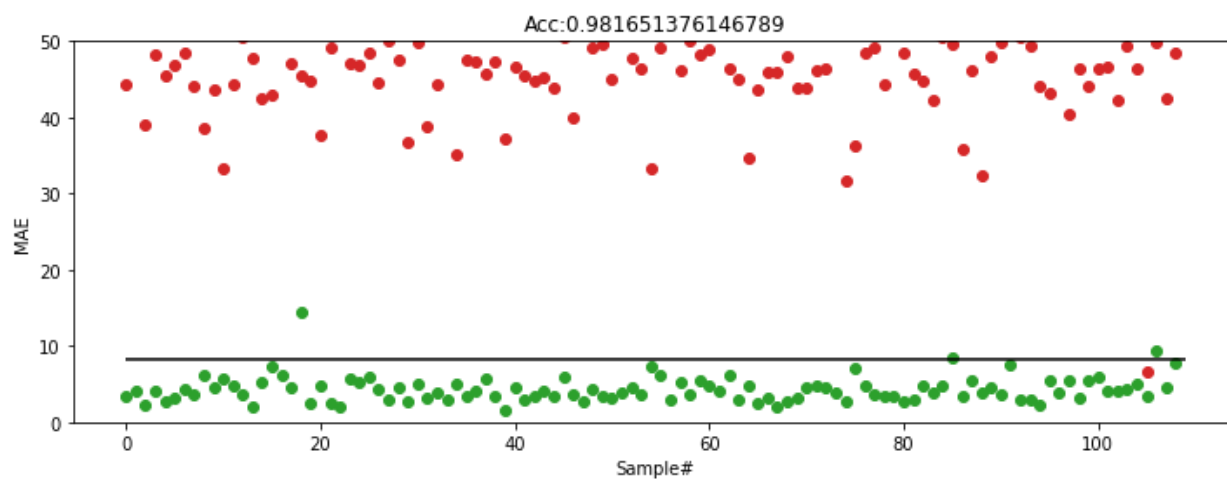
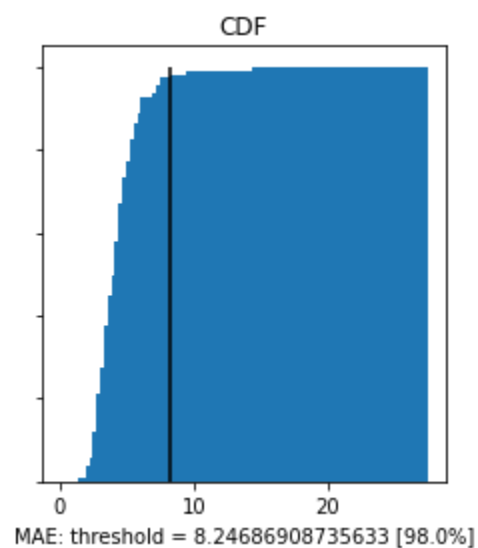
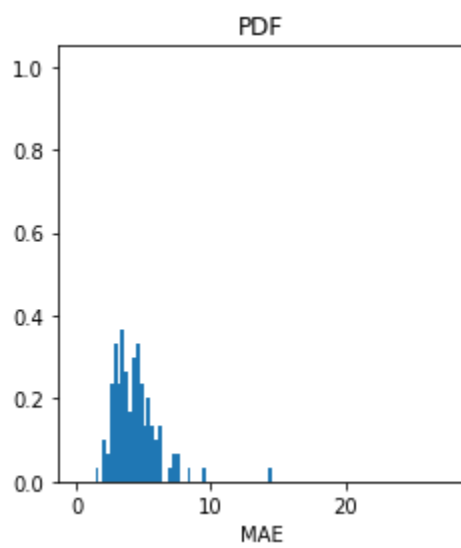
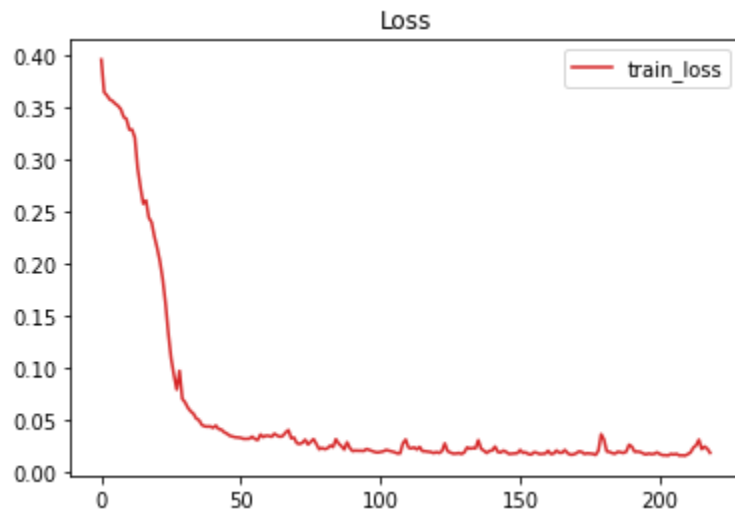
Model: "sequential_6"

Layer (type)	Output Shape	Param #
lstm_12 (LSTM)	(None, 64)	16896
repeat_vector_6 RepeatVector	(None, 64, 64)	0
lstm_13 (LSTM)	(None, 64, 64)	33024
time_distributed_6 (TimeDist	(None, 64, 1)	65
Total params: 49,985		
Trainable params: 49,985		
Non-trainable params: 0		
None		

REC: mitdb/116

Training Loss: 0.0186 [Epoch 00219: early stopping]

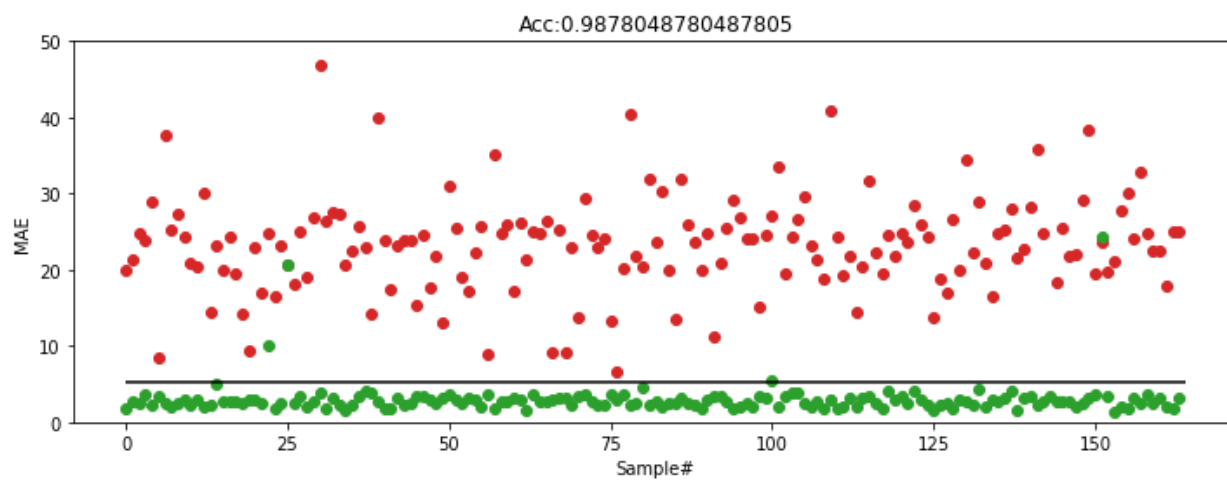
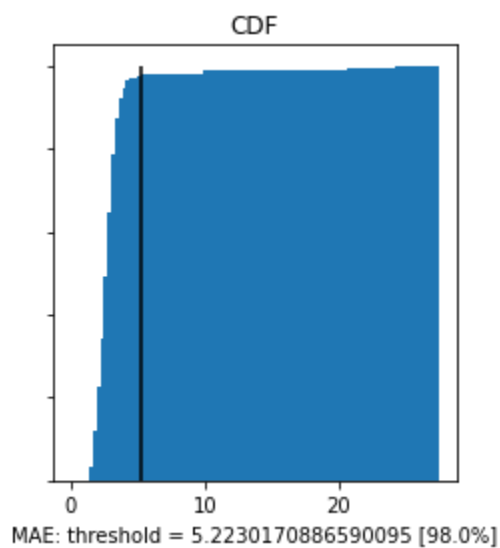
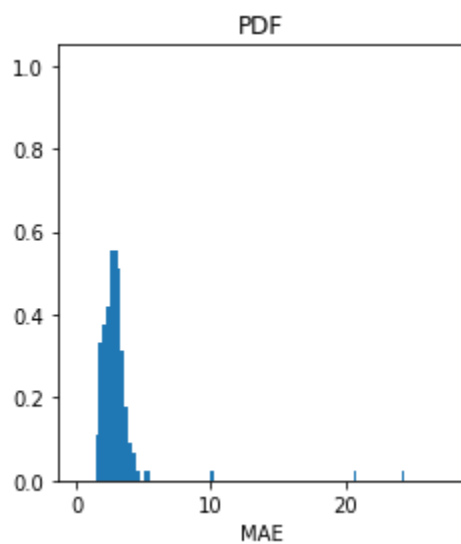
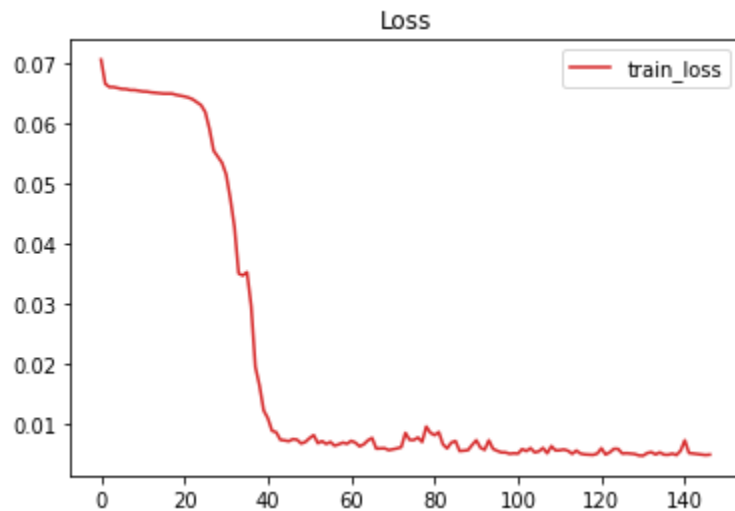
Beats used for Testing: 109 x 2



REC: mitdb/215

Training Loss: 0.0048 [Epoch 00147: early stopping]

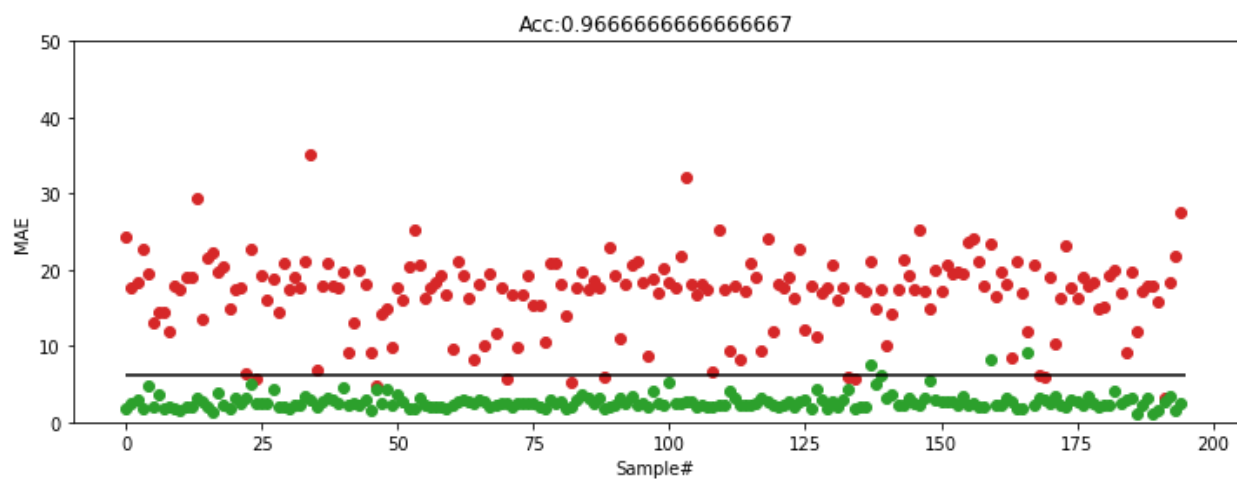
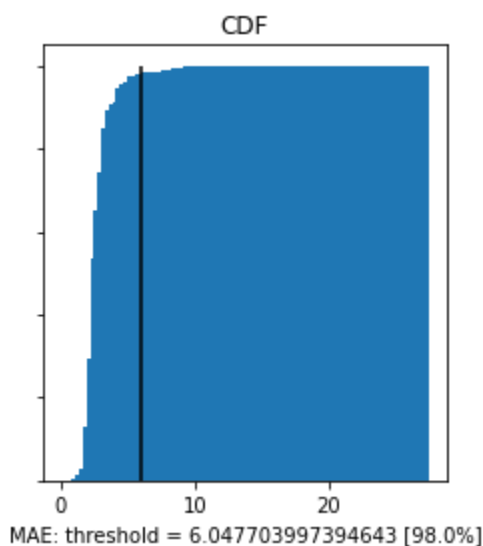
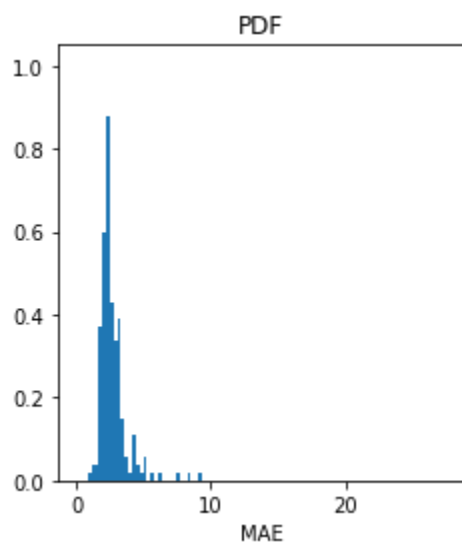
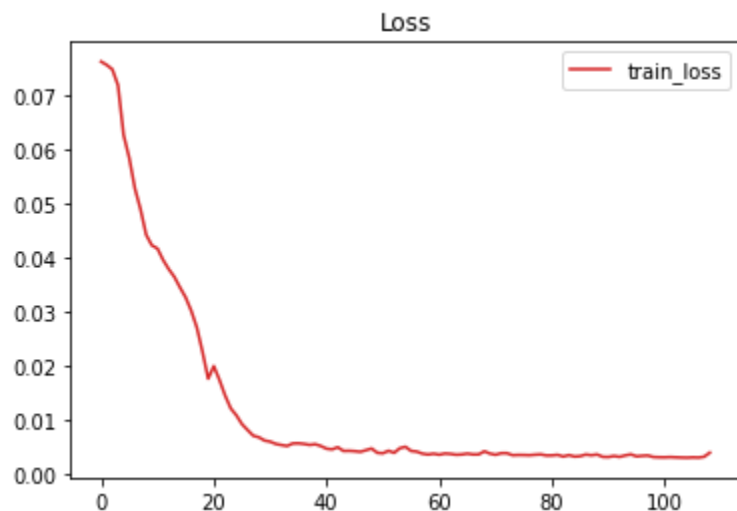
Beats used for Testing: 164 x 2



REC: mitdb/210

Training Loss: 0.0040 [Epoch 00109: early stopping]

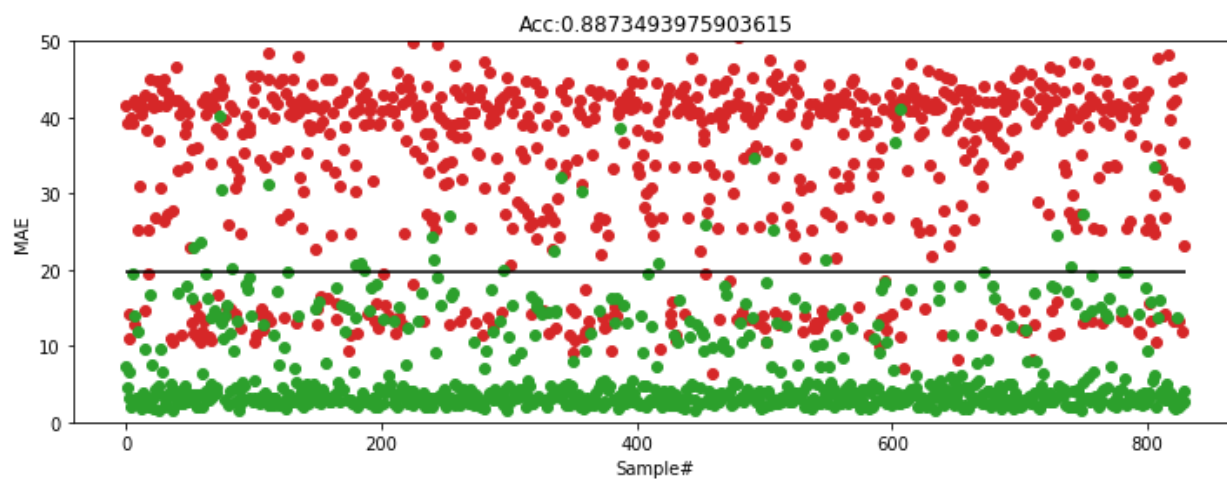
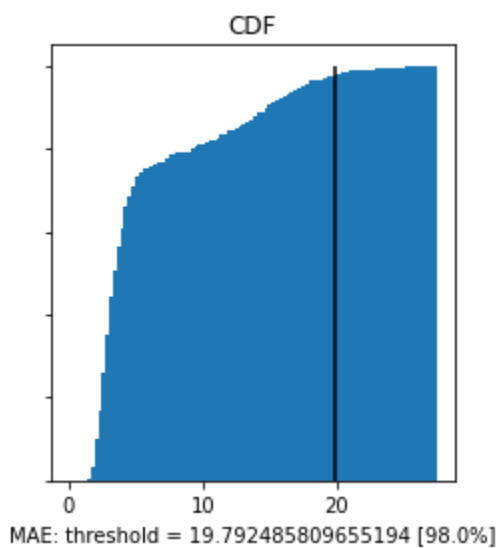
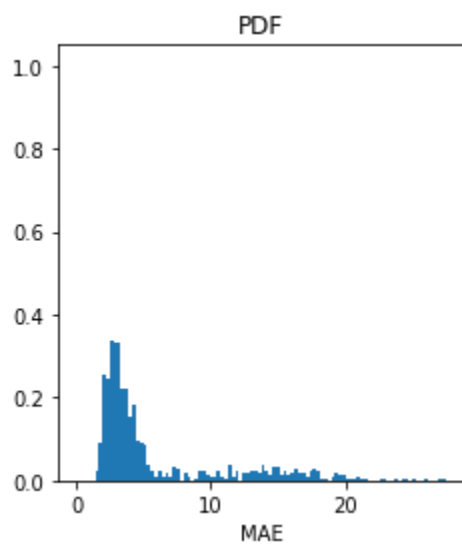
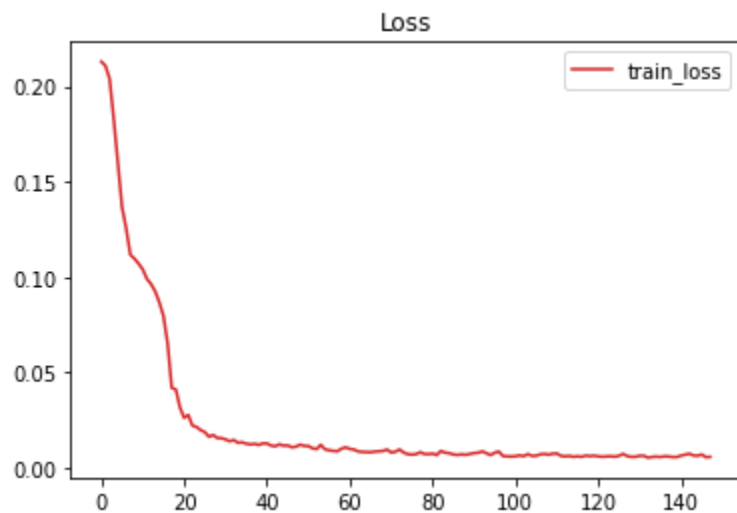
Beats used for Testing: 195 x 2



REC: mitdb/233

Training Loss: 0.0063 [Epoch 00148: early stopping]

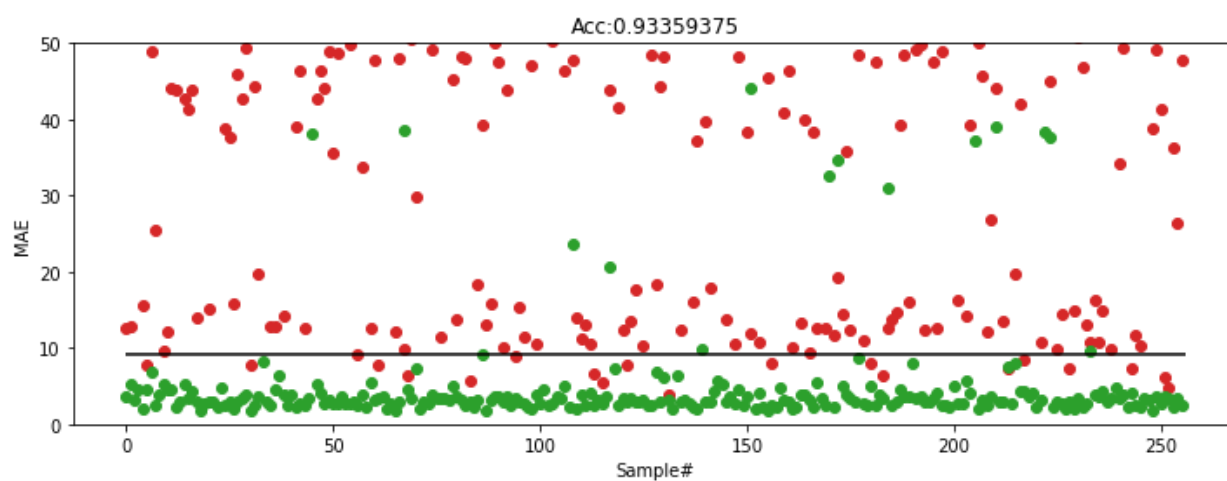
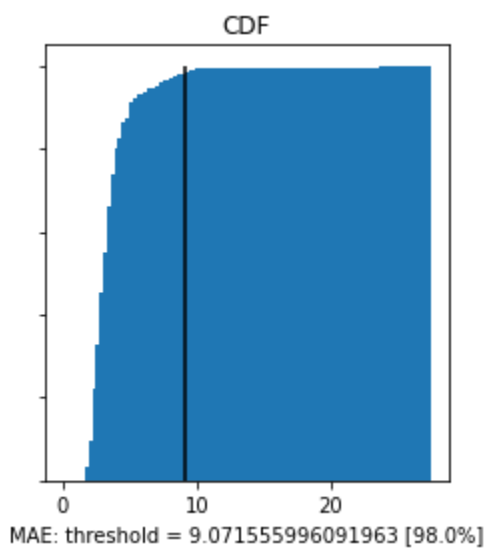
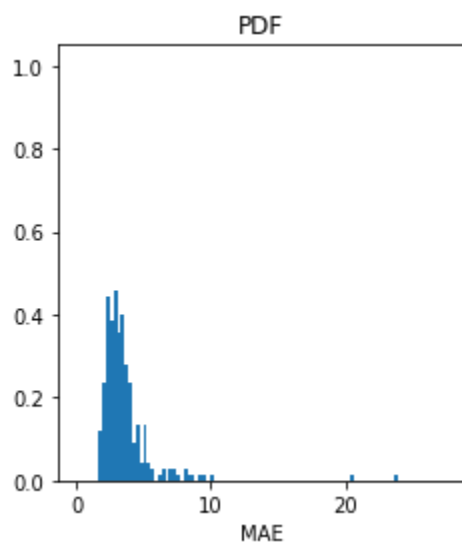
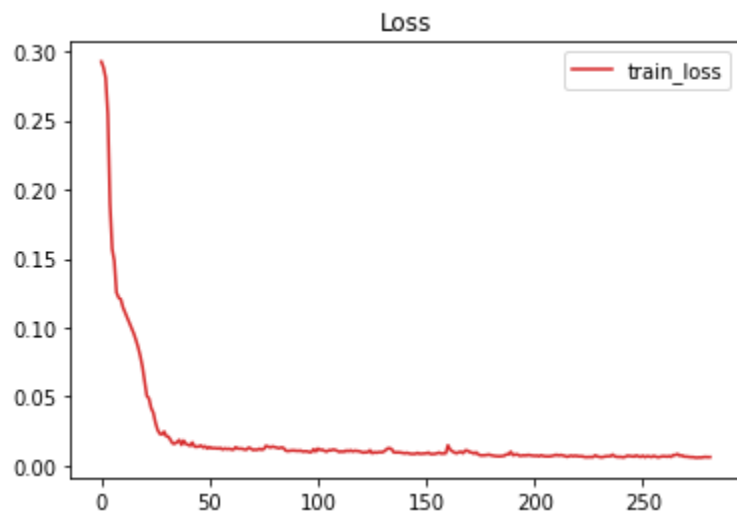
Beats used for Testing: 830 x 2



REC: mitdb/214

Training Loss: 0.0063 [Epoch 00282: early stopping]

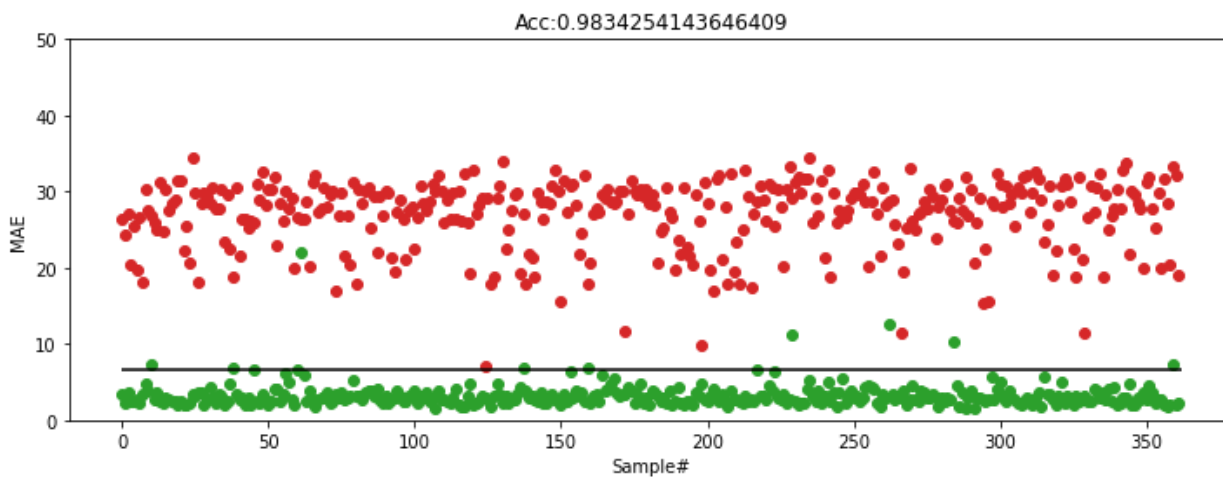
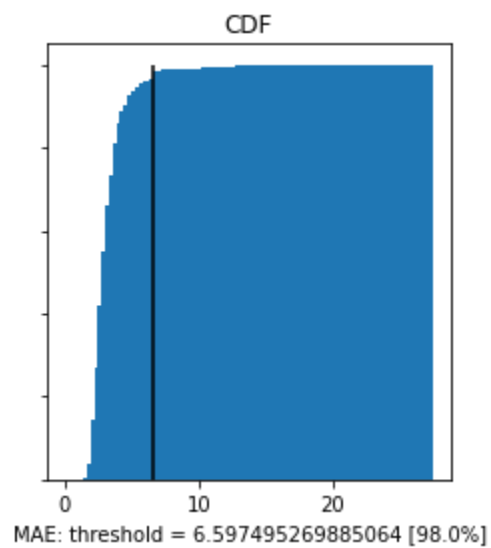
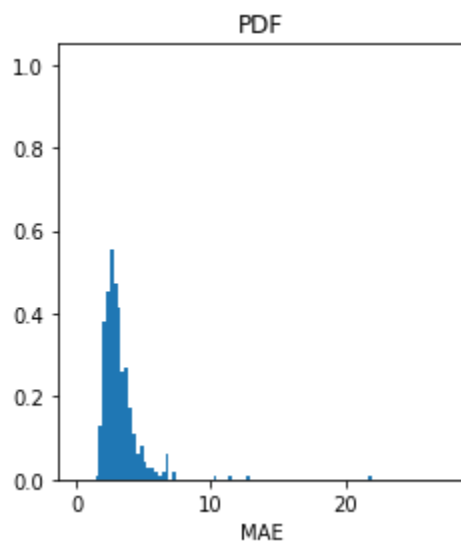
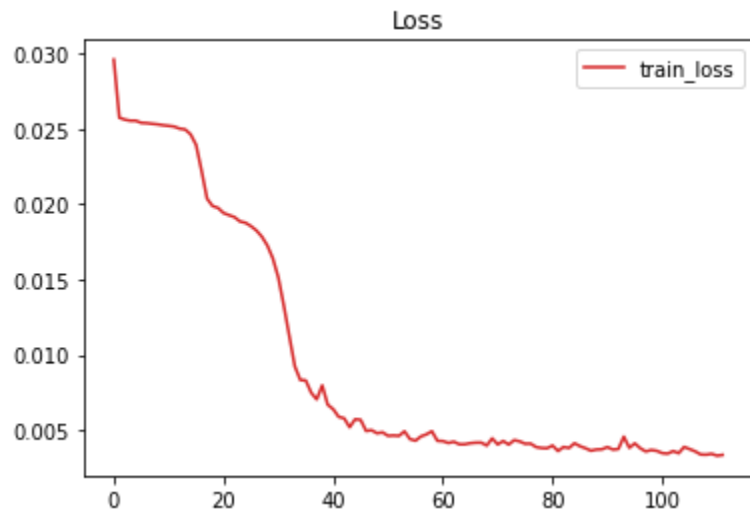
Beats used for Testing: 256 x 2



REC: mitdb/228

Training Loss: 0.0032 [Epoch 00112: early stopping]

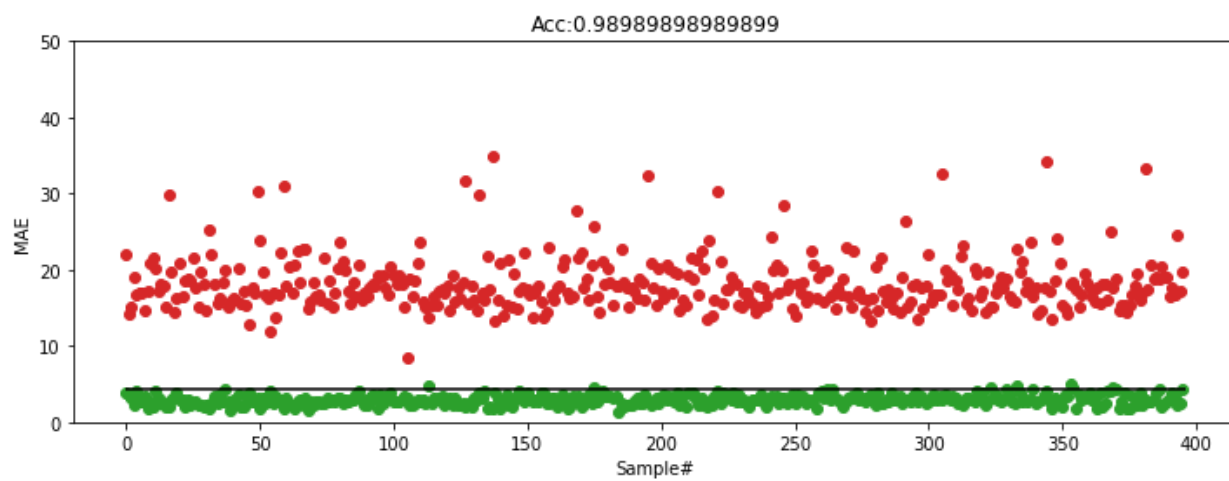
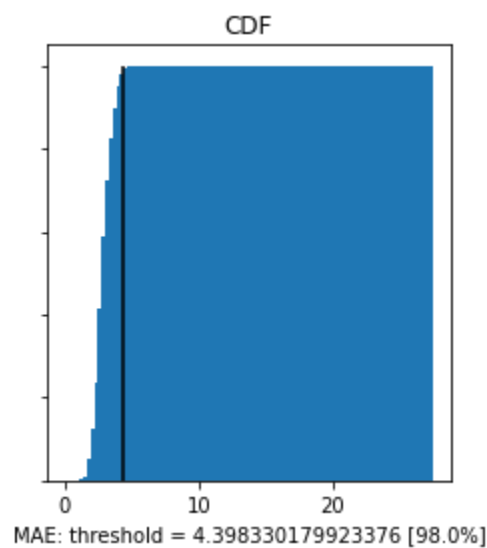
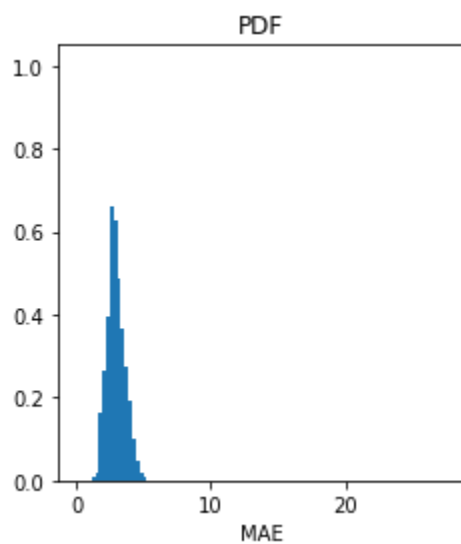
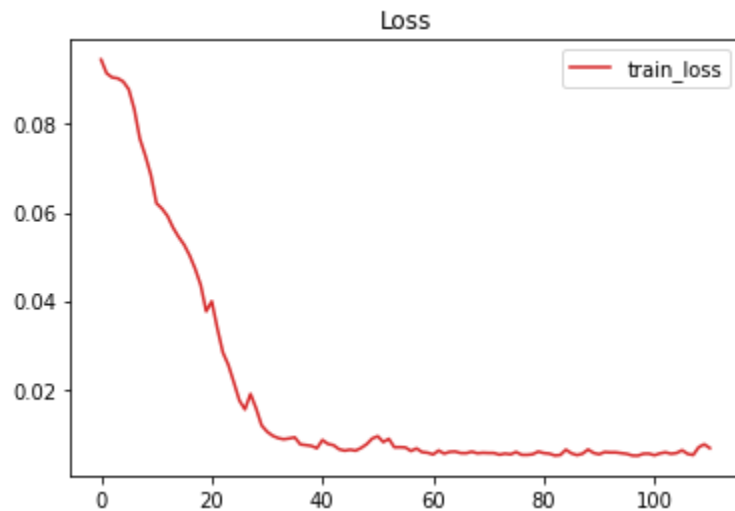
Beats used for Testing: 362 x 2



REC: mitdb/221

Training Loss: 0.0062 [Epoch 00111: early stopping]

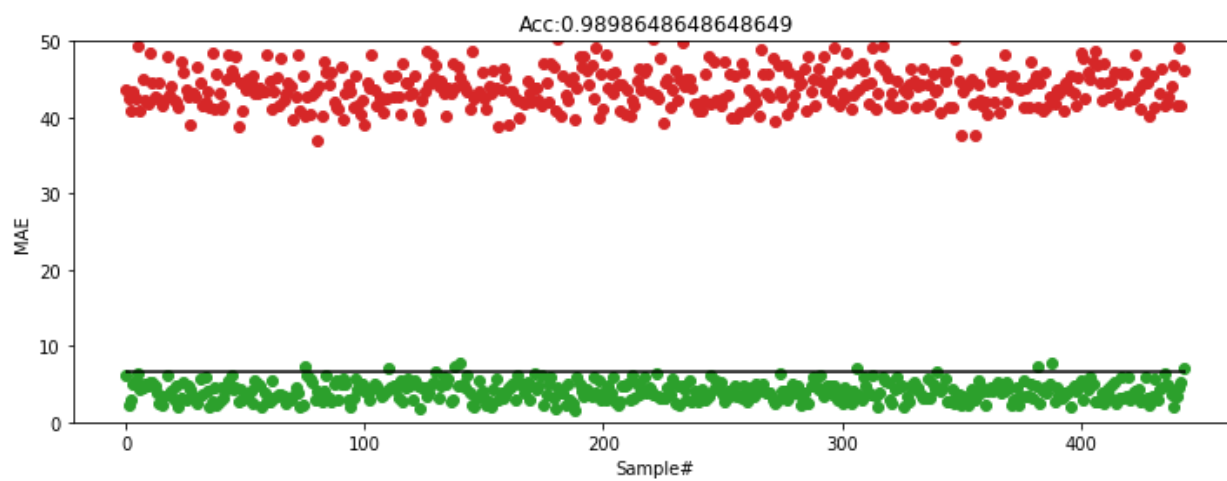
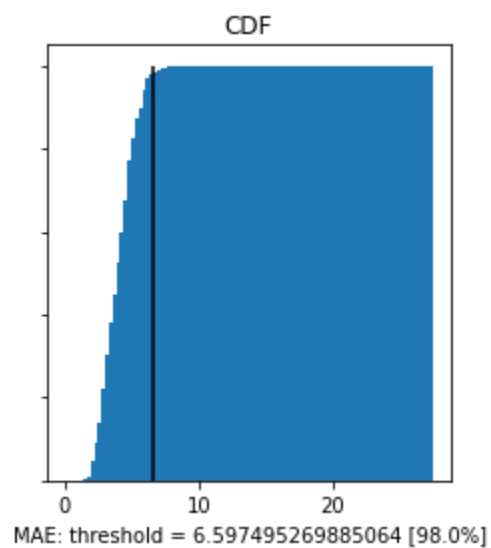
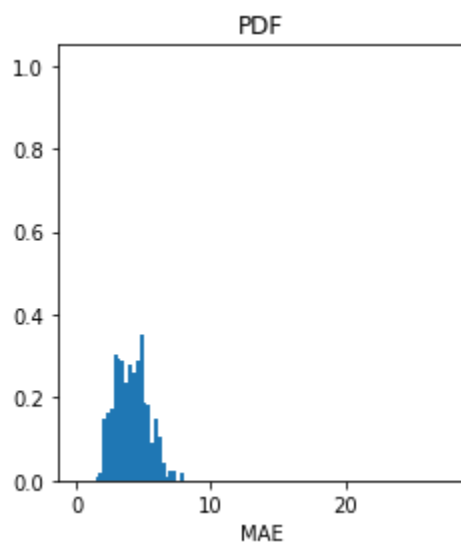
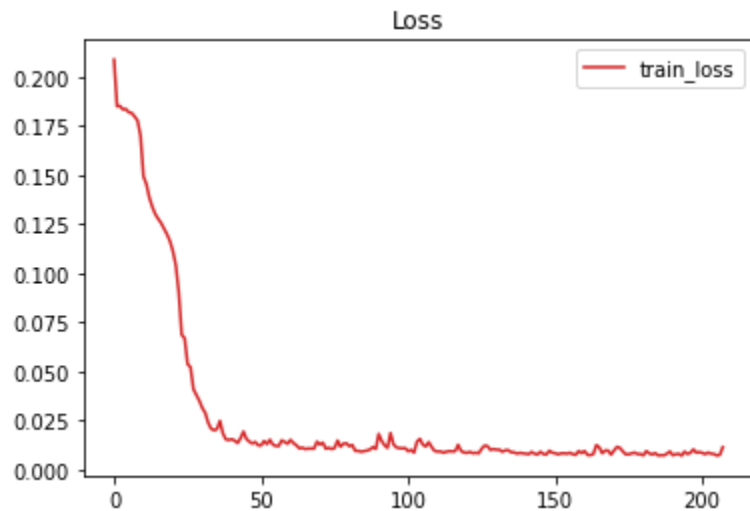
Beats used for Testing: 396 x 2



REC: mitdb/119

Training Loss: 0.0076 [Epoch 00208: early stopping]

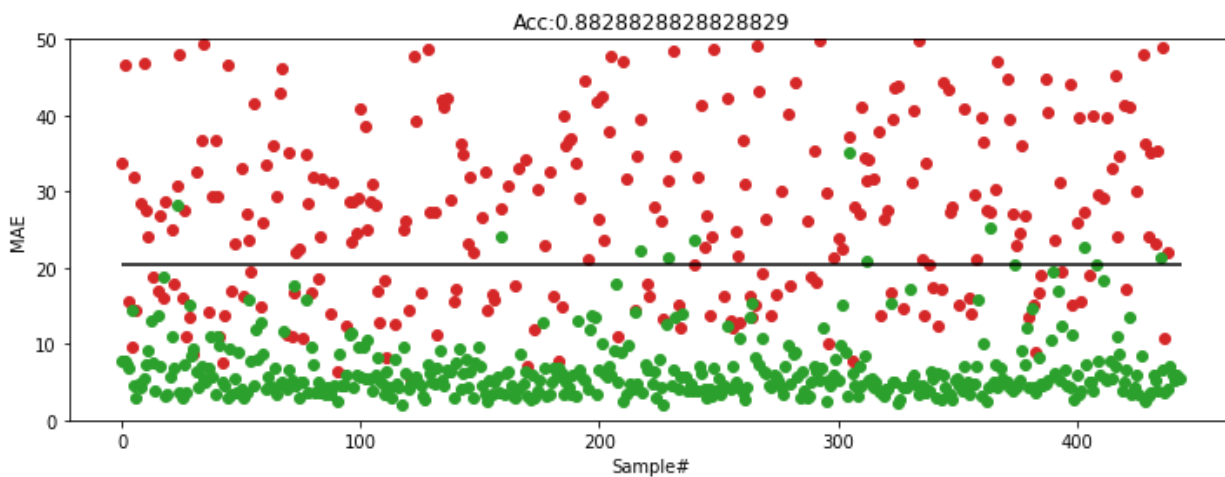
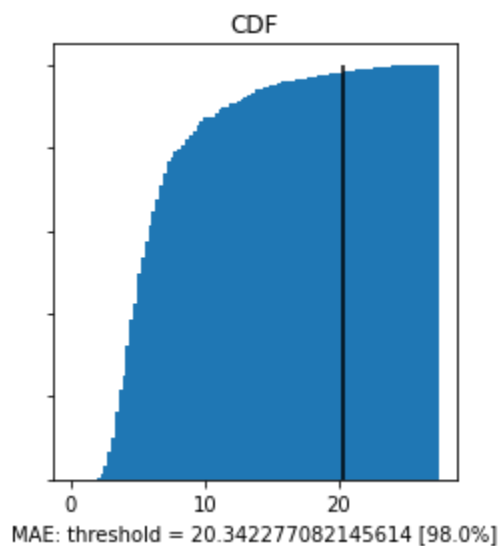
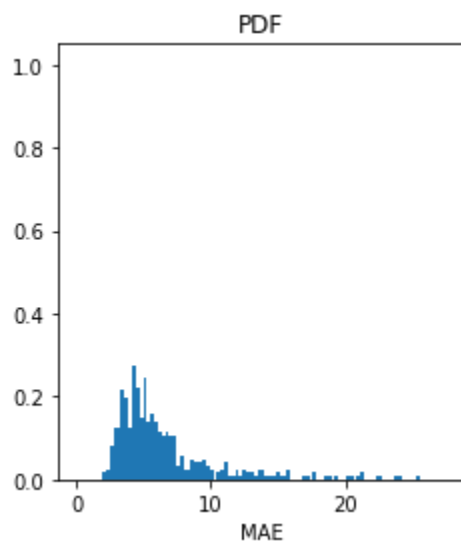
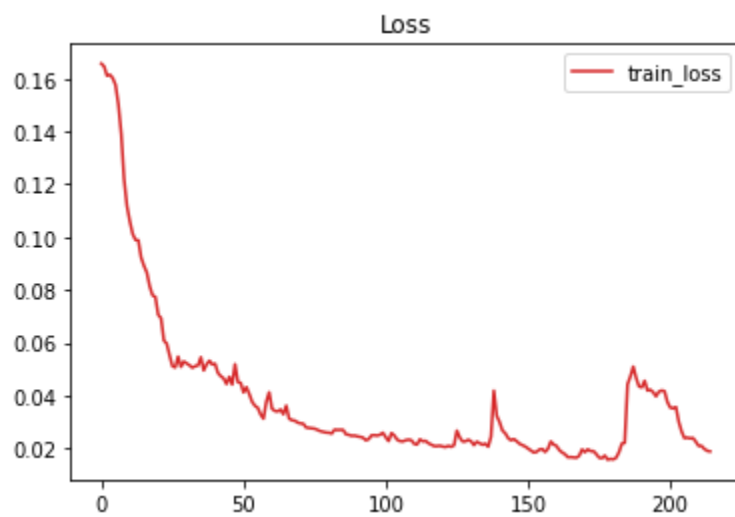
Beats used for Testing: 444 x 2



REC: mitdb/203

Training Loss: 0.0198 [Epoch 00215: early stopping]

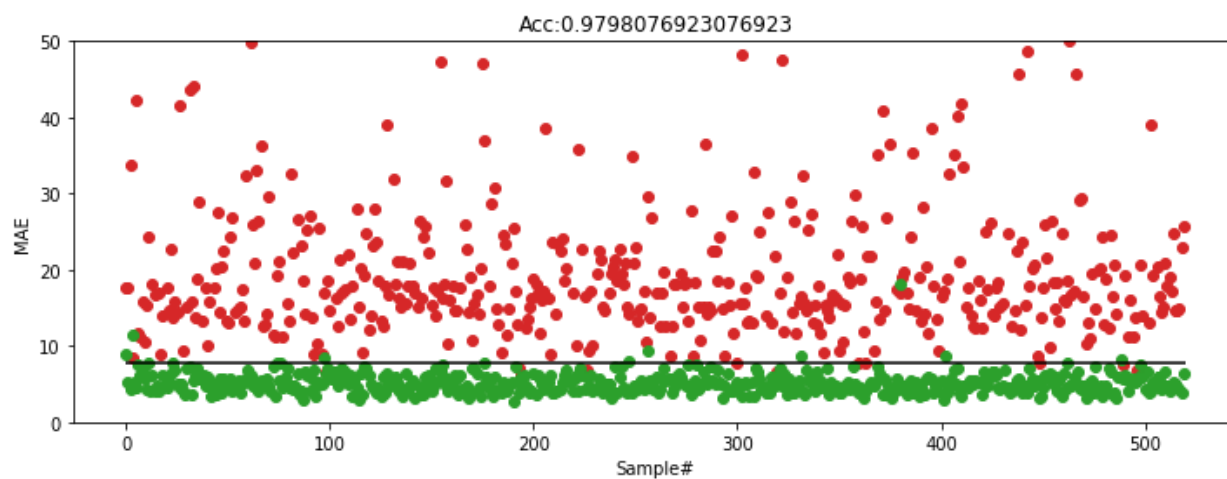
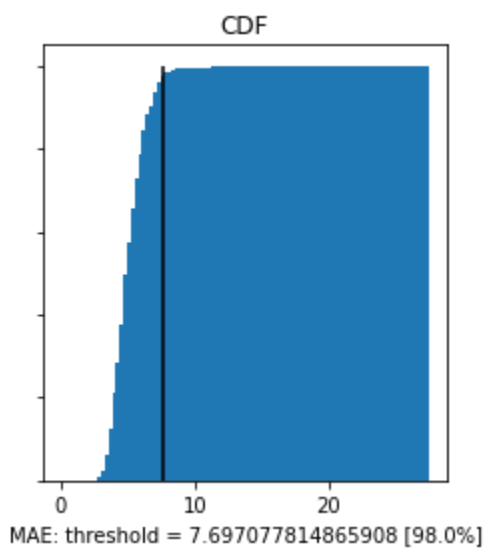
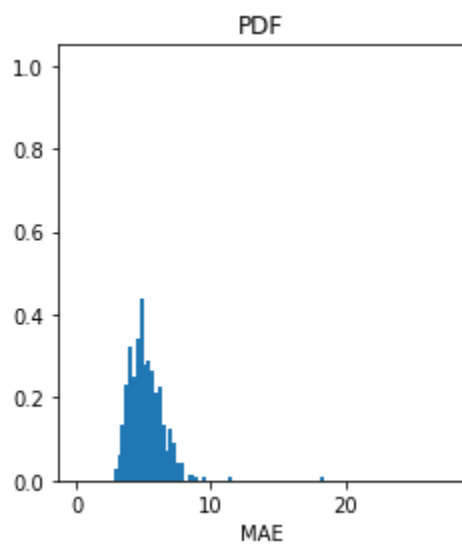
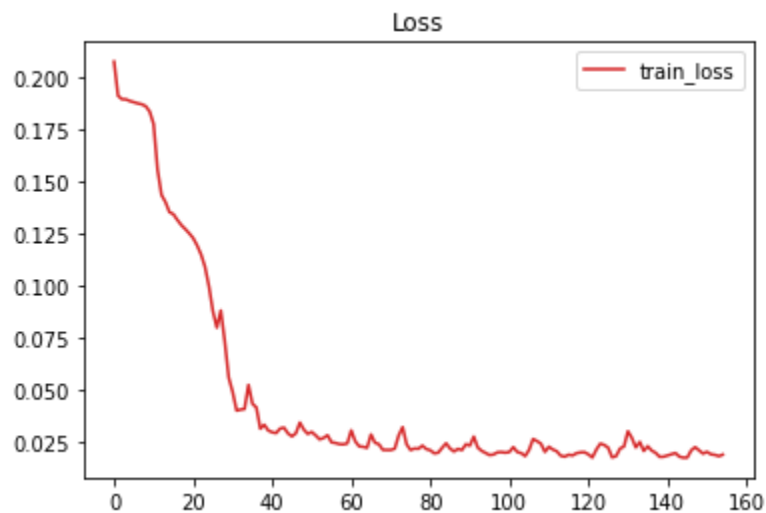
Beats used for Testing: 444 x 2



REC: mitdb/106

Training Loss: 0.0190 [Epoch 00155: early stopping]

Beats used for Testing: 520 x 2



End of Report