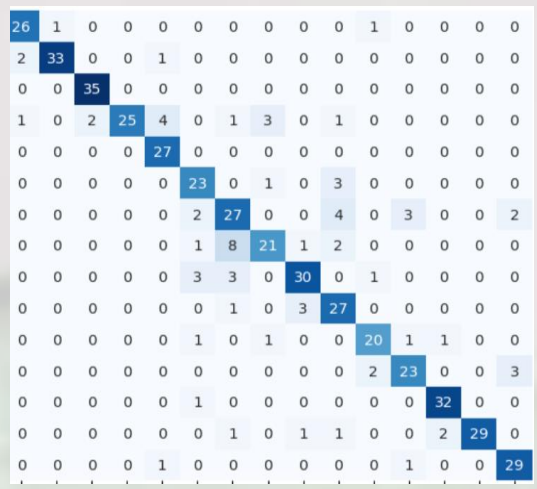
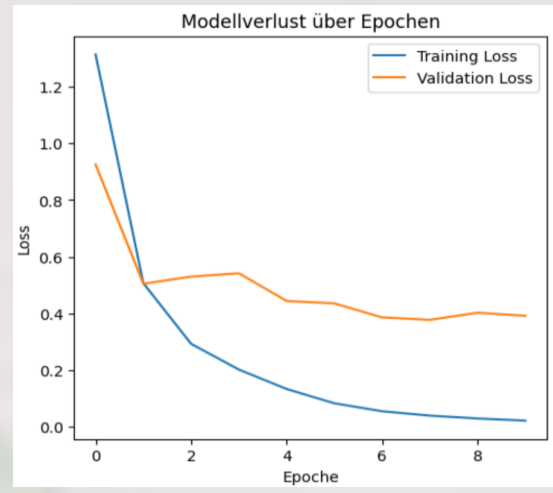
Plant Illness

POC MobileNet2
bis 160 Bilder/Label
256 * 256

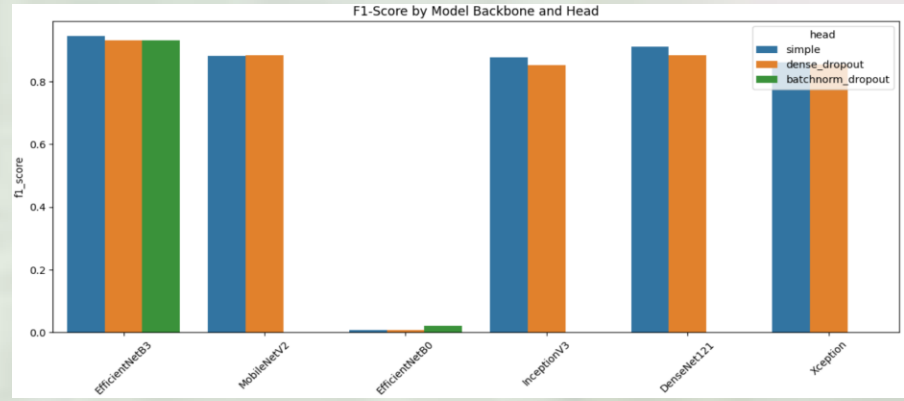
Graustufen -
Reduzieren Auflösung -
Eigenes Model -
Erhöhung Bilder pro Label +

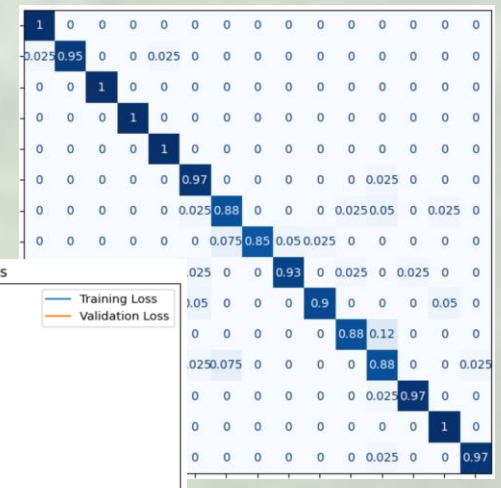


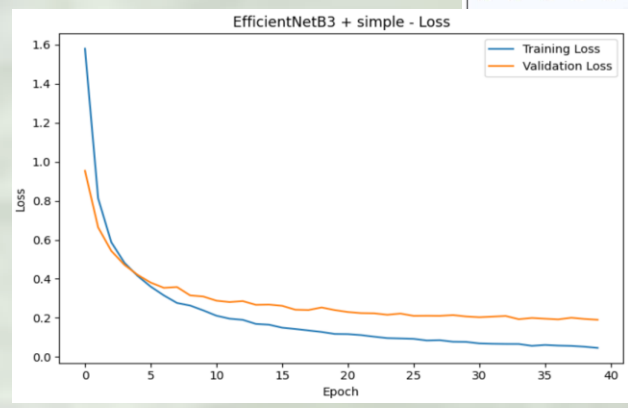


Vergleich Modele, verschiedene Head 200 Bilder/Label
Gewinner EfficientNetB3 simple

	backbone	head	accuracy	f1_score	end_val_loss
0	EfficientNetB3	simple	0.944162	0.944477	0.190175
1	EfficientNetB3	dense_dropout	0.932318	0.932024	0.313093
2	EfficientNetB3	batchnorm_dropout	0.930626	0.930368	0.420590
10	DenseNet121	simple	0.910321	0.910676	0.294838
11	DenseNet121	dense_dropout	0.883249	0.884599	0.470011
4	MobileNetV2	dense_dropout	0.883249	0.882755	0.692055
3	MobileNetV2	simple	0.881557	0.881028	0.427748
8	InceptionV3	simple	0.878173	0.876897	0.393035
12	Xception	simple	0.859560	0.860330	0.415788
13	Xception	dense_dropout	0.854484	0.853792	0.588149
9	InceptionV3	dense_dropout	0.852792	0.851947	0.578380
7	EfficientNetB0	batchnorm_dropout	0.087986	0.020127	2.729172
5	EfficientNetB0	simple	0.067682	0.008581	2.746038
6	EfficientNetB0	dense_dropout	0.067682	0.008581	2.726815







Improvements, 2 beste Modelle
Mit Augumentation
alle Bilder – 1000 Bilder/Label
Autostop Epochen

	backbone	head	accuracy	f1_score	end_val_loss
0	EfficientNetB3	simple	0.969944	0.969993	0.097733
1	DenseNet121	simple	0.934323	0.934271	0.198201