

Table 0.1: AUC Performance table.

	100	500	1000	3000	5000	7000	9523
DenseNet169 x1	123	-					
DenseNet169 x2	123	456					
DenseNet169 x3	123	456					
DenseNet169 x1	123	456					
DenseNet169 x2	123	456					
DenseNet169 x3	123	456					

Table 0.2: acc Performance table for the *If_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.93	0.89	0.92	0.84	0.80	0.88	0.76
ResNet50V2	x2	0.88	0.85	0.87	0.85	0.82	0.81	0.76
ResNet50V2	x3	0.94	0.86	0.84	0.83	0.82	0.87	0.85
EfficientNetV2B0	x1	0.90	0.88	0.81	0.81	0.80	0.80	0.84
EfficientNetV2B0	x2	0.89	0.87	0.84	0.85	0.84	0.78	0.83
EfficientNetV2B0	x3	0.92	0.80	0.78	0.79	0.86	0.80	0.78
DenseNet169	x1	0.93	0.86	0.74	0.84	0.81	0.89	0.86
DenseNet169	x2	0.88	0.72	0.80	0.81	0.83	0.84	0.90
DenseNet169	x3	0.94	0.80	0.88	0.88	0.74	0.87	0.87

Table 0.3: acc Performance table for the *If_interval_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.97	0.98	0.93	0.90	0.91	0.91	0.92
ResNet50V2	x2	0.95	-	-	-	-	-	-
ResNet50V2	x3	0.98	-	-	-	-	-	-
EfficientNetV2B0	x1	0.97	0.97	0.93	0.86	0.88	0.90	0.83
EfficientNetV2B0	x2	0.97	-	-	-	-	-	-
EfficientNetV2B0	x3	0.98	-	-	-	-	-	-
DenseNet169	x1	0.98	0.97	0.93	0.87	0.87	0.82	0.87
DenseNet169	x2	0.97	-	-	-	-	-	-
DenseNet169	x3	0.98	-	-	-	-	-	-

Table 0.4: acc Performance table for the *If_large_invasive_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.96	0.85	0.92	0.94	0.90	0.86	0.89
ResNet50V2	x2	0.97	-	-	-	-	-	-
ResNet50V2	x3	0.96	-	-	-	-	-	-
EfficientNetV2B0	x1	0.95	0.89	0.90	0.88	0.85	0.88	0.86
EfficientNetV2B0	x2	0.97	-	-	-	-	-	-
EfficientNetV2B0	x3	0.97	-	-	-	-	-	-
DenseNet169	x1	0.96	0.96	0.93	0.90	0.73	0.86	0.90
DenseNet169	x2	0.96	-	-	-	-	-	-
DenseNet169	x3	0.97	-	-	-	-	-	-

Table 0.5: acc Performance table for the *If_composite* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.90	0.91	0.91	0.85	0.86	0.79	0.87
ResNet50V2	x2	0.95	-	-	-	-	-	-
ResNet50V2	x3	0.94	-	-	-	-	-	-
EfficientNetV2B0	x1	0.88	0.90	0.87	0.85	0.84	0.76	0.84
EfficientNetV2B0	x2	0.96	-	-	-	-	-	-
EfficientNetV2B0	x3	0.92	-	-	-	-	-	-
DenseNet169	x1	0.87	0.88	0.84	0.89	0.83	0.76	0.89
DenseNet169	x2	0.95	-	-	-	-	-	-
DenseNet169	x3	0.93	-	-	-	-	-	-

Table 0.6: loss Performance table for the *If_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.26	0.40	0.39	0.55	0.62	0.51	0.70
ResNet50V2	x2	0.38	0.53	0.43	0.50	0.59	0.61	0.74
ResNet50V2	x3	0.31	0.48	0.51	0.50	0.59	0.51	0.60
EfficientNetV2B0	x1	0.37	0.47	0.57	0.62	0.62	0.65	0.61
EfficientNetV2B0	x2	0.40	0.47	0.46	0.54	0.57	0.61	0.59
EfficientNetV2B0	x3	0.31	0.55	0.64	0.60	0.54	0.63	0.69
DenseNet169	x1	0.30	0.52	0.72	0.56	0.66	0.53	0.63
DenseNet169	x2	0.43	0.74	0.57	0.63	0.65	0.60	0.54
DenseNet169	x3	0.28	0.58	0.47	0.49	0.75	0.59	0.61

Table 0.7: loss Performance table for the *If_interval_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.15	0.17	0.26	0.37	0.34	0.41	0.37
ResNet50V2	x2	0.19	-	-	-	-	-	-
ResNet50V2	x3	0.18	-	-	-	-	-	-
EfficientNetV2B0	x1	0.20	0.18	0.26	0.44	0.39	0.39	0.57
EfficientNetV2B0	x2	0.14	-	-	-	-	-	-
EfficientNetV2B0	x3	0.14	-	-	-	-	-	-
DenseNet169	x1	0.18	0.15	0.30	0.47	0.46	0.62	0.53
DenseNet169	x2	0.16	-	-	-	-	-	-
DenseNet169	x3	0.20	-	-	-	-	-	-

Table 0.8: loss Performance table for the *If_large_invasive_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.17	0.46	0.35	0.31	0.44	0.54	0.44
ResNet50V2	x2	0.18	-	-	-	-	-	-
ResNet50V2	x3	0.26	-	-	-	-	-	-
EfficientNetV2B0	x1	0.22	0.39	0.39	0.46	0.52	0.50	0.54
EfficientNetV2B0	x2	0.18	-	-	-	-	-	-
EfficientNetV2B0	x3	0.20	-	-	-	-	-	-
DenseNet169	x1	0.20	0.25	0.36	0.46	0.76	0.59	0.53
DenseNet169	x2	0.19	-	-	-	-	-	-
DenseNet169	x3	0.22	-	-	-	-	-	-

Table 0.9: loss Performance table for the *If_composite* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.44	0.35	0.34	0.52	0.48	0.67	0.52
ResNet50V2	x2	0.24	-	-	-	-	-	-
ResNet50V2	x3	0.24	-	-	-	-	-	-
EfficientNetV2B0	x1	0.50	0.42	0.37	0.54	0.55	0.67	0.56
EfficientNetV2B0	x2	0.18	-	-	-	-	-	-
EfficientNetV2B0	x3	0.32	-	-	-	-	-	-
DenseNet169	x1	0.54	0.44	0.52	0.47	0.60	0.75	0.55
DenseNet169	x2	0.21	-	-	-	-	-	-
DenseNet169	x3	0.31	-	-	-	-	-	-

Table 0.10: f1 Performance table for the *If_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.04	0.06	0.16	0.13	0.16	0.15	0.12
ResNet50V2	x2	0.11	0.08	0.14	0.15	0.09	0.17	0.12
ResNet50V2	x3	0.00	0.06	0.12	0.16	0.16	0.16	0.13
EfficientNetV2B0	x1	0.06	0.16	0.13	0.10	0.16	0.14	0.11
EfficientNetV2B0	x2	0.13	0.09	0.06	0.09	0.12	0.12	0.12
EfficientNetV2B0	x3	0.07	0.10	0.16	0.13	0.14	0.14	0.14
DenseNet169	x1	0.06	0.17	0.09	0.11	0.14	0.14	0.17
DenseNet169	x2	0.10	0.11	0.15	0.13	0.13	0.14	0.14
DenseNet169	x3	0.00	0.12	0.07	0.17	0.14	0.18	0.12

Table 0.11: f1 Performance table for the *If_interval_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.03	0.00	0.04	0.06	0.08	0.06	0.00
ResNet50V2	x2	0.02	-	-	-	-	-	-
ResNet50V2	x3	0.00	-	-	-	-	-	-
EfficientNetV2B0	x1	0.00	0.00	0.06	0.11	0.07	0.07	0.05
EfficientNetV2B0	x2	0.02	-	-	-	-	-	-
EfficientNetV2B0	x3	0.00	-	-	-	-	-	-
DenseNet169	x1	0.00	0.00	0.13	0.06	0.01	0.04	0.07
DenseNet169	x2	0.03	-	-	-	-	-	-
DenseNet169	x3	0.00	-	-	-	-	-	-

Table 0.12: f1 Performance table for the *If_large_invasive_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.00	0.03	0.02	0.11	0.01	0.09	0.05
ResNet50V2	x2	0.00	-	-	-	-	-	-
ResNet50V2	x3	0.00	-	-	-	-	-	-
EfficientNetV2B0	x1	0.00	0.03	0.05	0.09	0.05	0.07	0.08
EfficientNetV2B0	x2	0.04	-	-	-	-	-	-
EfficientNetV2B0	x3	0.00	-	-	-	-	-	-
DenseNet169	x1	0.00	0.08	0.05	0.06	0.07	0.09	0.07
DenseNet169	x2	0.00	-	-	-	-	-	-
DenseNet169	x3	0.00	-	-	-	-	-	-

Table 0.13: f1 Performance table for the *If_composite* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.06	0.04	0.06	0.07	0.05	0.08	0.07
ResNet50V2	x2	0.04	-	-	-	-	-	-
ResNet50V2	x3	0.05	-	-	-	-	-	-
EfficientNetV2B0	x1	0.04	0.04	0.04	0.08	0.05	0.08	0.06
EfficientNetV2B0	x2	0.00	-	-	-	-	-	-
EfficientNetV2B0	x3	0.04	-	-	-	-	-	-
DenseNet169	x1	0.05	0.03	0.06	0.09	0.09	0.08	0.08
DenseNet169	x2	0.00	-	-	-	-	-	-
DenseNet169	x3	0.05	-	-	-	-	-	-

Table 0.14: auc Performance table for the *If_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.57	0.57	0.56	0.53	0.66	0.61	0.59
ResNet50V2	x2	0.61	0.49	0.53	0.62	0.54	0.67	0.57
ResNet50V2	x3	0.52	0.50	0.52	0.65	0.56	0.62	0.63
EfficientNetV2B0	x1	0.57	0.63	0.60	0.56	0.62	0.63	0.62
EfficientNetV2B0	x2	0.55	0.50	0.57	0.60	0.58	0.64	0.60
EfficientNetV2B0	x3	0.56	0.53	0.62	0.60	0.63	0.62	0.63
DenseNet169	x1	0.56	0.59	0.54	0.57	0.57	0.60	0.64
DenseNet169	x2	0.54	0.52	0.58	0.59	0.56	0.64	0.64
DenseNet169	x3	0.54	0.55	0.55	0.59	0.63	0.63	0.62

Table 0.15: auc Performance table for the *If_interval_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.58	0.38	0.62	0.55	0.62	0.49	0.37
ResNet50V2	x2	0.64	-	-	-	-	-	-
ResNet50V2	x3	0.42	-	-	-	-	-	-
EfficientNetV2B0	x1	0.53	0.35	0.68	0.67	0.70	0.59	0.61
EfficientNetV2B0	x2	0.67	-	-	-	-	-	-
EfficientNetV2B0	x3	0.51	-	-	-	-	-	-
DenseNet169	x1	0.53	0.47	0.62	0.59	0.61	0.51	0.68
DenseNet169	x2	0.62	-	-	-	-	-	-
DenseNet169	x3	0.46	-	-	-	-	-	-

Table 0.16: auc Performance table for the *If_large_invasive_cancer* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.63	0.59	0.53	0.74	0.41	0.66	0.63
ResNet50V2	x2	0.46	-	-	-	-	-	-
ResNet50V2	x3	0.47	-	-	-	-	-	-
EfficientNetV2B0	x1	0.64	0.48	0.57	0.70	0.64	0.68	0.69
EfficientNetV2B0	x2	0.47	-	-	-	-	-	-
EfficientNetV2B0	x3	0.49	-	-	-	-	-	-
DenseNet169	x1	0.58	0.58	0.51	0.66	0.64	0.65	0.64
DenseNet169	x2	0.41	-	-	-	-	-	-
DenseNet169	x3	0.44	-	-	-	-	-	-

Table 0.17: auc Performance table for the *If_composite* label.

	Scaling	100	500	1000	3000	5000	7000	9523
ResNet50V2	x1	0.58	0.43	0.59	0.52	0.59	0.54	0.56
ResNet50V2	x2	0.60	-	-	-	-	-	-
ResNet50V2	x3	0.58	-	-	-	-	-	-
EfficientNetV2B0	x1	0.49	0.57	0.61	0.63	0.54	0.61	0.62
EfficientNetV2B0	x2	0.61	-	-	-	-	-	-
EfficientNetV2B0	x3	0.57	-	-	-	-	-	-
DenseNet169	x1	0.49	0.51	0.53	0.53	0.67	0.63	0.64
DenseNet169	x2	0.60	-	-	-	-	-	-
DenseNet169	x3	0.50	-	-	-	-	-	-