















Table 1: Summary of Results

Group [†]				Metric [‡]		
Model	Repeats	Loss	Class Weights	Dice Score	Sensitivity	Positive Predictive Value
Base	2-3	BCE	1	0.64, 0.85 (IQR 0.18-0.90)	0.85, 0.86 (IQR 0.83-0.87)	0.86, 0.86 (IQR 0.85-0.88)
		BCE	10	0.71, 0.84 (IQR 0.67-0.91)	0.89, 0.89 (IQR 0.87-0.90)	0.85, 0.85 (IQR 0.84-0.87)
		Focal	1	0.70, 0.84 (IQR 0.64-0.90)	0.88, 0.89 (IQR 0.86-0.91)	0.85, 0.85 (IQR 0.84-0.86)
		DSC+BCE	1	0.63, 0.84 (IQR 0.29-0.90)	0.85, 0.86 (IQR 0.83-0.87)	0.85, 0.85 (IQR 0.83-0.86)
		DSC+BCE	10	0.68, 0.85 (IQR 0.64-0.89)	0.87, 0.87 (IQR 0.85-0.89)	0.85, 0.86 (IQR 0.84-0.87)
		DSC+Focal	1	0.71, 0.87 (IQR 0.69-0.91)	0.85, 0.86 (IQR 0.83-0.88)	0.89, 0.89 (IQR 0.87-0.90)
ConvNext	2-4	BCE	10	0.72, 0.85 (IQR 0.71-0.90)	0.91, 0.91 (IQR 0.90-0.92)	0.84, 0.84 (IQR 0.82-0.85)
		Focal	1	0.74, 0.89 (IQR 0.70-0.91)	0.90, 0.90 (IQR 0.89-0.91)	0.88, 0.88 (IQR 0.86-0.89)
		DSC+BCE	10	0.75, 0.87 (IQR 0.75-0.90)	0.92, 0.92 (IQR 0.91-0.93)	0.84, 0.84 (IQR 0.82-0.85)
		DSC+Focal	1	0.72, 0.88 (IQR 0.70-0.91)	0.86, 0.86 (IQR 0.84-0.89)	0.89, 0.89 (IQR 0.88-0.90)
ResNet		BCE	10	0.66, 0.84 (IQR 0.61-0.89)	0.88, 0.88 (IQR 0.86-0.91)	0.81, 0.82 (IQR 0.79-0.84)
		Focal	1	0.65, 0.85 (IQR 0.26-0.90)	0.89, 0.90 (IQR 0.87-0.91)	0.84, 0.84 (IQR 0.82-0.85)
		DSC+BCE	10	0.67, 0.85 (IQR 0.62-0.89)	0.88, 0.89 (IQR 0.87-0.90)	0.83, 0.83 (IQR 0.82-0.85)
		DSC+Focal	1	0.69, 0.86 (IQR 0.69-0.92)	0.84, 0.84 (IQR 0.82-0.86)	0.88, 0.89 (IQR 0.87-0.90)

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

[‡] Table values are shown as: mean, median (interquartile range)

Table 2: Comparison Between Experiments - Dice Score

Group [†]					Violin	Exp [‡]													
Model	Repeats	Loss	Class Weights	Exp	Dice Score	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1		–	*	*	N.S.	N.S.	*	*	*	*	*	N.S.	N.S.	N.S.	*
		BCE	10	2		*	–	N.S.	*	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		Focal	1	3		*	N.S.	–	*	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		DSC+BCE	1	4		N.S.	*	*	–	*	*	*	*	**	*	N.S.	N.S.	*	*
		DSC+BCE	10	5		N.S.	N.S.	N.S.	*	–	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
		DSC+Focal	1	6		*	N.S.	N.S.	*	N.S.	–	N.S.	N.S.	N.S.	N.S.	*	N.S.	N.S.	N.S.
ConvNext	2-4	BCE	10	7		*	N.S.	N.S.	*	N.S.	N.S.	–	N.S.	N.S.	N.S.	*	*	*	N.S.
		Focal	1	8		*	N.S.	N.S.	*	N.S.	N.S.	N.S.	–	N.S.	N.S.	N.S.	*	N.S.	N.S.
		DSC+BCE	10	9		*	N.S.	N.S.	**	N.S.	N.S.	N.S.	N.S.	–	N.S.	*	*	*	N.S.
		DSC+Focal	1	10		*	N.S.	N.S.	*	N.S.	N.S.	N.S.	N.S.	N.S.	–	N.S.	N.S.	N.S.	N.S.
ResNet		BCE	10	11		N.S.	N.S.	N.S.	N.S.	N.S.	*	*	N.S.	*	N.S.	–	N.S.	N.S.	N.S.
		Focal	1	12		N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	*	*	*	N.S.	N.S.	–	N.S.	N.S.
		DSC+BCE	10	13		N.S.	N.S.	N.S.	*	N.S.	N.S.	*	N.S.	*	N.S.	N.S.	–	N.S.	N.S.
		DSC+Focal	1	14		*	N.S.	N.S.	*	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	–

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

[‡] N.S. = not significant, * = $p < 0.05$, ** = $p < 0.005$

Table 3: Comparison Between Experiments - Sensitivity

Group [†]					Violin	Exp [‡]													
Model	Repeats	Loss	Class Weights	Exp	Sensitivity	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1		—	**	**	**	**	**	N.S.	**	**	**	**	**	**	**
		BCE	10	2		**	—	**	**	**	**	**	**	**	**	**	*	N.S.	**
		Focal	1	3		**	**	—	**	**	**	**	**	**	**	N.S.	**	N.S.	**
		DSC+BCE	1	4		**	**	**	—	**	*	**	**	**	**	**	**	**	**
		DSC+BCE	10	5		**	**	**	**	—	**	**	**	**	N.S.	**	**	**	**
		DSC+Focal	1	6		N.S.	**	**	*	**	—	**	**	**	**	**	**	**	**
ConvNext	2-4	BCE	10	7		**	**	**	**	**	**	—	**	**	**	**	**	**	**
		Focal	1	8		**	**	**	**	**	**	**	—	**	**	**	**	**	**
		DSC+BCE	10	9		**	**	**	**	**	**	**	**	—	**	**	**	**	**
		DSC+Focal	1	10		**	**	**	**	N.S.	**	**	**	**	—	**	**	**	**
ResNet		BCE	10	11		**	**	N.S.	**	**	**	**	**	**	**	—	**	N.S.	**
		Focal	1	12		**	*	**	**	**	**	**	**	**	**	**	—	**	**
		DSC+BCE	10	13		**	N.S.	N.S.	**	**	**	**	**	**	**	N.S.	**	—	**
		DSC+Focal	1	14		**	**	**	**	**	**	**	**	**	**	**	**	**	—

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

[‡] N.S. = not significant, * = $p < 0.05$, ** = $p < 0.005$

Table 4: Comparison Between Experiments - Positive Predictive Value

Group [†]					Violin	Exp [‡]													
Model	Repeats	Loss	Class Weights	Exp	Positive Predictive Value	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1		—	**	**	**	**	**	**	**	**	**	**	**	**	**
		BCE	10	2		**	—	**	*	N.S.	**	**	**	**	**	**	**	**	**
		Focal	1	3		**	**	—	N.S.	**	**	**	**	**	**	**	**	**	**
		DSC+BCE	1	4		**	*	N.S.	—	**	**	**	**	**	**	**	**	**	**
		DSC+BCE	10	5		**	N.S.	**	**	—	**	**	**	**	**	**	**	**	**
		DSC+Focal	1	6		**	**	**	**	**	—	**	**	**	**	**	**	**	N.S.
ConvNext	2-4	BCE	10	7		**	**	**	**	**	**	—	**	N.S.	**	**	N.S.	N.S.	**
		Focal	1	8		**	**	**	**	**	**	**	—	**	**	**	**	**	**
		DSC+BCE	10	9		**	**	**	**	**	**	N.S.	**	—	**	**	N.S.	*	**
		DSC+Focal	1	10		**	**	**	**	**	**	**	**	**	—	**	**	**	**
ResNet		BCE	10	11		**	**	**	**	**	**	**	**	**	**	—	**	**	**
		Focal	1	12		**	**	**	**	**	**	N.S.	**	N.S.	**	**	—	**	**
		DSC+BCE	10	13		**	**	**	**	**	**	N.S.	**	*	**	**	**	—	**
		DSC+Focal	1	14		**	**	**	**	**	N.S.	**	**	**	**	**	**	**	—

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

[‡] N.S. = not significant, * = $p < 0.05$, ** = $p < 0.005$

Figure 1: Comparison Between Experiments - Violin Plots

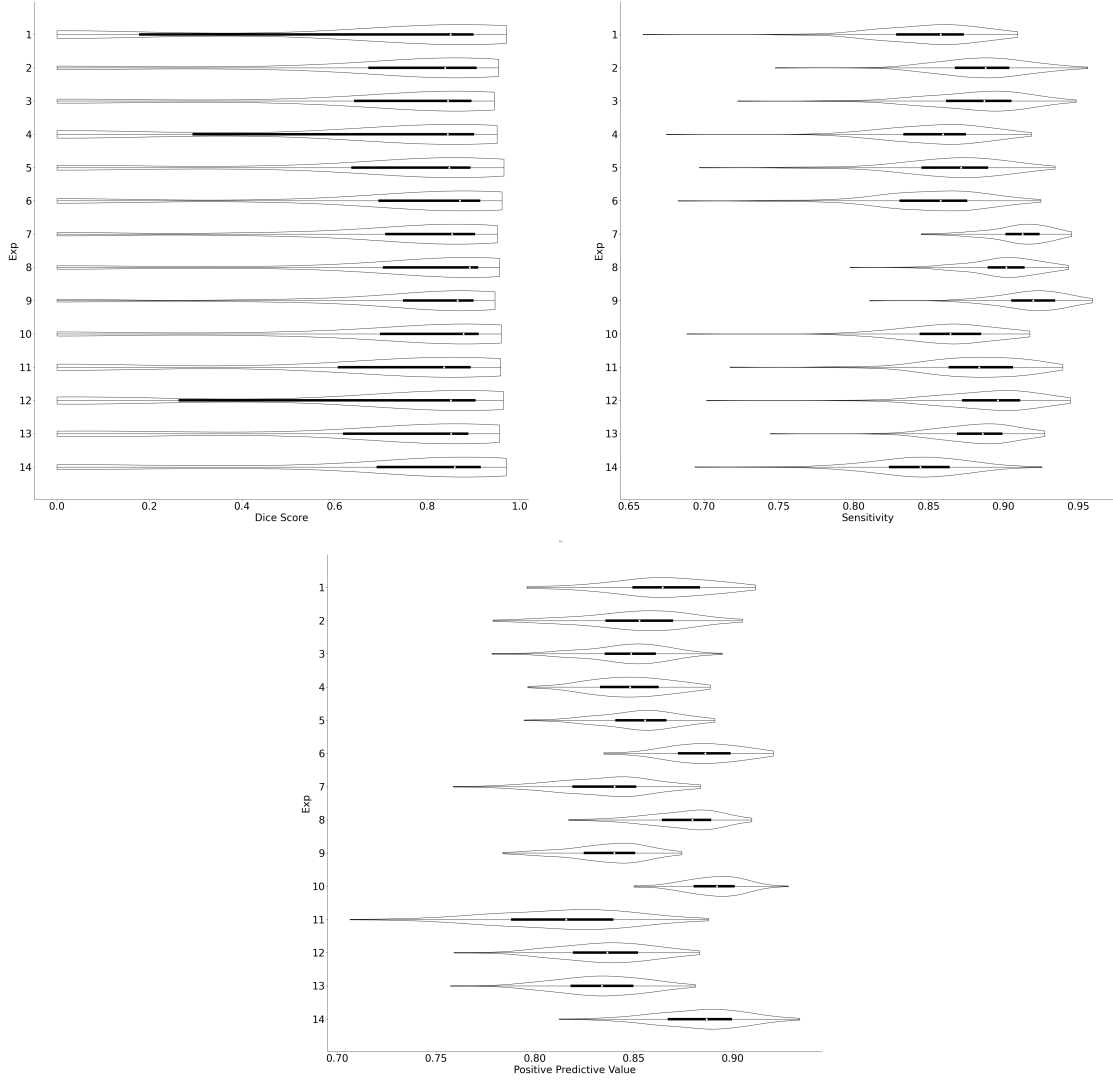


Table 5: Mean Differences - Dice Score

Group [†]					Exp													
Model	Repeats	Loss	Class Weights	Exp	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1	-	0.08 (p = 0.033)	0.07 (p = 0.048)	-0.01 (p = 0.702)	0.05 (p = 0.088)	0.07 (p = 0.031)	0.08 (p = 0.030)	0.10 (p = 0.047)	0.12 (p = 0.008)	0.08 (p = 0.046)	0.02 (p = 0.379)	0.01 (p = 0.542)	0.03 (p = 0.215)	0.06 (p = 0.021)
				2	-0.08 (p = 0.033)	-	-0.01 (p = 0.330)	-0.09 (p = 0.012)	-0.03 (p = 0.287)	-0.00 (p = 0.882)	0.03 (p = 0.851)	0.04 (p = 0.470)	0.04 (p = 0.175)	0.00 (p = 0.947)	-0.06 (p = 0.071)	-0.06 (p = 0.057)	-0.05 (p = 0.131)	-0.02 (p = 0.483)
		Focal	1	3	-0.07 (p = 0.048)	0.01 (p = 0.330)	-	-0.08 (p = 0.016)	-0.02 (p = 0.422)	0.01 (p = 0.689)	0.02 (p = 0.575)	0.04 (p = 0.353)	0.05 (p = 0.111)	0.01 (p = 0.620)	-0.05 (p = 0.098)	-0.05 (p = 0.070)	-0.03 (p = 0.249)	-0.01 (p = 0.706)
				4	0.01 (p = 0.702)	0.09 (p = 0.012)	0.08 (p = 0.016)	-	0.06 (p = 0.009)	0.08 (p = 0.007)	0.09 (p = 0.013)	0.11 (p = 0.013)	0.13 (p = 0.002)	0.09 (p = 0.029)	0.03 (p = 0.157)	0.02 (p = 0.069)	0.04 (p = 0.040)	0.07 (p = 0.023)
		DSC+BCE	10	5	-0.05 (p = 0.088)	0.03 (p = 0.287)	0.02 (p = 0.422)	-0.06 (p = 0.035)	-	0.03 (p = 0.295)	0.03 (p = 0.341)	0.06 (p = 0.252)	0.07 (p = 0.099)	0.03 (p = 0.413)	-0.03 (p = 0.238)	-0.03 (p = 0.162)	-0.02 (p = 0.534)	0.01 (p = 0.746)
				6	-0.07 (p = 0.031)	0.00 (p = 0.882)	-0.01 (p = 0.689)	-0.08 (p = 0.009)	-0.03 (p = 0.295)	-	0.01 (p = 0.822)	0.03 (p = 0.535)	0.04 (p = 0.299)	0.01 (p = 0.894)	-0.06 (p = 0.045)	-0.06 (p = 0.050)	-0.04 (p = 0.209)	-0.02 (p = 0.616)
ConvNext	2-4	BCE	10	7	-0.08 (p = 0.030)	-0.00 (p = 0.851)	-0.02 (p = 0.575)	-0.09 (p = 0.007)	-0.03 (p = 0.341)	-0.01 (p = 0.822)	-	0.02 (p = 0.483)	0.03 (p = 0.080)	-0.00 (p = 0.916)	-0.06 (p = 0.044)	-0.07 (p = 0.035)	-0.05 (p = 0.021)	-0.03 (p = 0.395)
				8	-0.10 (p = 0.047)	-0.03 (p = 0.470)	-0.04 (p = 0.353)	-0.11 (p = 0.013)	-0.06 (p = 0.252)	-0.03 (p = 0.535)	-0.02 (p = 0.483)	-	0.01 (p = 0.671)	-0.03 (p = 0.496)	-0.09 (p = 0.078)	-0.09 (p = 0.046)	-0.07 (p = 0.076)	-0.05 (p = 0.276)
		DSC+BCE	10	9	-0.12 (p = 0.008)	-0.04 (p = 0.175)	-0.05 (p = 0.111)	-0.13 (p = 0.002)	-0.07 (p = 0.099)	-0.04 (p = 0.299)	-0.03 (p = 0.080)	-0.01 (p = 0.671)	-	-0.10 (p = 0.184)	-0.10 (p = 0.013)	-0.08 (p = 0.009)	-0.06 (p = 0.008)	-0.06 (p = 0.074)
				10	-0.08 (p = 0.046)	-0.00 (p = 0.947)	-0.01 (p = 0.620)	-0.09 (p = 0.029)	-0.03 (p = 0.413)	-0.01 (p = 0.894)	0.00 (p = 0.916)	0.03 (p = 0.496)	0.04 (p = 0.184)	-	-0.06 (p = 0.086)	-0.07 (p = 0.082)	-0.05 (p = 0.193)	-0.02 (p = 0.404)
		DSC+Focal	1	11	-0.02 (p = 0.379)	0.06 (p = 0.071)	0.05 (p = 0.098)	-0.03 (p = 0.157)	0.03 (p = 0.238)	0.06 (p = 0.045)	0.06 (p = 0.044)	0.09 (p = 0.078)	0.10 (p = 0.013)	0.06 (p = 0.086)	-	-0.01 (p = 0.771)	0.01 (p = 0.531)	0.04 (p = 0.094)
				12	-0.01 (p = 0.542)	0.06 (p = 0.057)	0.05 (p = 0.070)	-0.02 (p = 0.069)	0.03 (p = 0.162)	0.06 (p = 0.050)	0.07 (p = 0.035)	0.09 (p = 0.046)	0.10 (p = 0.009)	0.07 (p = 0.082)	0.01 (p = 0.771)	-	0.02 (p = 0.301)	0.04 (p = 0.082)
ResNet	1	DSC+BCE	10	13	-0.03 (p = 0.215)	0.05 (p = 0.131)	0.03 (p = 0.249)	-0.04 (p = 0.040)	0.02 (p = 0.534)	0.04 (p = 0.209)	0.05 (p = 0.021)	0.07 (p = 0.076)	0.08 (p = 0.008)	0.05 (p = 0.193)	-0.01 (p = 0.531)	-0.02 (p = 0.301)	-	0.02 (p = 0.306)
				14	-0.06 (p = 0.021)	0.02 (p = 0.483)	0.01 (p = 0.706)	-0.07 (p = 0.023)	-0.01 (p = 0.746)	0.02 (p = 0.616)	0.03 (p = 0.395)	0.05 (p = 0.276)	0.06 (p = 0.074)	0.06 (p = 0.404)	0.02 (p = 0.094)	-0.04 (p = 0.082)	-0.02 (p = 0.306)	-

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

Table 6: Mean Differences - Sensitivity

Group [†]					Exp													
Model	Repeats	Loss	Class Weights	Exp	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1	-	0.04	0.03	0.00	0.01	0.00	0.06	0.05	0.07	0.01	0.03	0.04	0.03	-0.01
		BCE	10	2	-0.04	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.691)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		Focal	1	3	(p < 0.001)	-	(p = 0.002)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.030)	(p = 0.106)	(p < 0.001)
		DSC+BCE	1	4	(p < 0.001)	0.00	(p = 0.002)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.856)	(p < 0.001)	(p = 0.409)	(p < 0.001)
	DSC+BCE	DSC+BCE	10	5	(p < 0.001)	0.03	(p < 0.001)	-	(p < 0.001)	(p < 0.001)	0.06	0.05	0.06	0.01	0.03	0.03	0.03	-0.01
		DSC+BCE	10	5	(p < 0.001)	0.02	(p < 0.001)	0.02	-0.01	(p < 0.001)	(p < 0.001)	0.05	0.03	0.05	-0.00	0.02	0.02	-0.02
		DSC+Focal	1	6	(p < 0.001)	0.03	(p < 0.001)	0.03	0.00	0.01	(p < 0.001)	0.06	0.05	0.07	0.01	0.03	0.04	-0.01
		DSC+Focal	1	6	(p = 0.691)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.038)	(p < 0.001)	-	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
ConvNext	2-4	BCE	10	7	-0.06	-0.02	-0.03	-0.06	-0.05	-0.06	-	-0.01	0.01	-0.05	-0.03	-0.02	-0.03	-0.07
		BCE	10	7	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		Focal	1	8	-0.05	-0.01	-0.02	-0.05	-0.03	-0.05	0.01	(p < 0.001)	0.02	-0.04	-0.02	-0.01	-0.02	-0.06
		DSC+BCE	10	9	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	-	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
	DSC+BCE	DSC+BCE	10	9	(p < 0.001)	-0.07	-0.03	-0.04	-0.06	-0.05	-0.07	-0.02	-	-0.06	-0.04	-0.03	-0.04	-0.08
		DSC+BCE	10	9	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		DSC+Focal	1	10	(p < 0.001)	0.02	0.02	-0.01	0.00	-0.01	0.05	0.04	0.06	-	0.02	0.03	0.02	-0.02
		DSC+Focal	1	10	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.090)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
ResNet	BCE	BCE	10	11	-0.03	0.00	-0.00	-0.03	-0.02	-0.03	0.03	0.02	0.04	-0.02	-	0.01	0.00	-0.04
		BCE	10	11	(p < 0.001)	(p < 0.001)	(p = 0.856)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.491)	(p < 0.001)
		Focal	1	12	-0.04	-0.00	-0.01	-0.03	-0.02	-0.04	0.02	0.01	0.03	-0.03	-0.01	-	-0.01	-0.05
		DSC+BCE	10	13	(p < 0.001)	(p = 0.030)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
	DSC+BCE	DSC+BCE	10	13	(p < 0.001)	0.00	-0.00	-0.03	-0.02	-0.03	0.03	0.02	0.04	-0.02	-0.00	0.01	-	-0.04
		DSC+BCE	10	13	(p < 0.001)	(p = 0.106)	(p = 0.409)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.491)	(p < 0.001)	-	(p < 0.001)
		DSC+Focal	1	14	(p < 0.001)	0.01	0.04	0.04	0.01	0.02	0.01	0.07	0.06	0.08	0.02	0.04	0.05	0.04
		DSC+Focal	1	14	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	-

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0

Table 7: Mean Differences - Positive Predictive Value

Group [†]					Exp													
Model	Repeats	Loss	Class Weights	Exp	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Base	2-3	BCE	1	1	-	-0.01	-0.02	-0.02	-0.01	0.02	-0.03	0.01	-0.03	0.03	-0.05	-0.03	-0.03	0.02
		BCE	10	2	0.01	-	-0.01	-0.00	0.00	0.03	-0.02	0.02	-0.01	0.04	-0.04	-0.02	-0.02	0.03
		Focal	1	3	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.045)	(p = 0.311)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		DSC+BCE	1	4	(p < 0.001)	0.02	0.01	0.00	0.01	0.04	-0.01	0.03	-0.01	0.04	-0.03	-0.01	-0.02	0.04
	DSC+BCE	DSC+BCE	10	5	(p < 0.001)	(p = 0.045)	(p = 0.174)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		DSC+BCE	10	5	(p < 0.001)	0.01	-0.00	-0.01	(p < 0.001)	0.03	-0.02	0.02	-0.02	0.04	-0.04	-0.02	-0.02	0.03
		DSC+Focal	1	6	(p < 0.001)	-0.02	-0.03	-0.04	-0.04	-0.03	-	-0.05	-0.01	-0.05	0.01	-0.07	-0.05	-0.00
		DSC+Focal	1	6	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.125)
ConvNext	2-4	BCE	10	7	0.03	0.02	0.01	0.01	0.02	0.05	-	0.04	0.00	0.06	-0.02	0.00	-0.00	0.05
		BCE	10	7	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.318)	(p < 0.001)	(p < 0.001)	(p = 0.727)	(p = 0.050)	(p < 0.001)
		Focal	1	8	-0.01	-0.02	-0.03	-0.03	-0.02	0.01	-0.04	-	-0.04	0.02	-0.06	-0.04	-0.04	0.01
		DSC+BCE	10	9	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
	DSC+BCE	DSC+BCE	10	9	(p < 0.001)	0.03	0.01	0.01	0.01	0.02	0.05	0.04	-	0.05	-0.02	-0.00	-0.00	0.05
		DSC+BCE	10	9	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.318)	(p < 0.001)	-	(p < 0.001)	(p < 0.001)	(p = 0.450)	(p = 0.008)	(p < 0.001)
		DSC+Focal	1	10	(p < 0.001)	-0.03	-0.04	-0.04	-0.04	-0.06	-0.02	-0.05	-0.02	-0.05	-0.08	-0.05	-0.06	-0.01
		DSC+Focal	1	10	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
ResNet	BCE	BCE	10	11	0.05	0.04	0.03	0.03	0.04	0.07	0.02	0.06	0.02	0.08	-	0.02	0.02	0.07
		BCE	10	11	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		Focal	1	12	0.03	0.02	0.01	0.01	0.02	0.05	-0.00	0.04	0.00	0.05	-0.02	-	-0.00	0.05
		DSC+BCE	10	13	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.727)	(p < 0.001)	(p = 0.450)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
	DSC+BCE	DSC+BCE	10	13	(p < 0.001)	0.03	0.02	0.01	0.02	0.05	0.00	0.04	0.00	0.06	-0.02	0.00	-	0.05
		DSC+BCE	10	13	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.050)	(p < 0.001)	(p = 0.008)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)
		DSC+Focal	1	14	(p < 0.001)	-0.02	-0.03	-0.04	-0.04	-0.03	0.00	-0.05	-0.01	-0.05	-0.07	-0.05	-0.05	-
		DSC+Focal	1	14	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p = 0.125)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	(p < 0.001)	-

[†] Results reported for: valid cohort, tumor = positive, filters = exp-16, gamma foc = 2.0, gamma sft = 2.0, axis sft foc = 0, axis sft bce = 0