

Table S07
TCGA 3X

	30% used for domain adversarial training		70% unseen		Combined	
	(n slides = 126, n patients = 126)		(n slides = 305, n patients = 304)		(n slides = 431, n patients = 430)	
	Model w/o DA training	Model w/ DA training	Model w/o DA training	Model w/ DA training	Model w/o DA training	Model w/ DA training
imCMS1	0.78 (0.66,0.92)	0.84 (0.75,0.96)	0.84 (0.78,0.93)	0.86 (0.81,0.94)	0.82 (0.77,0.89)	0.85 (0.8,0.9)
imCMS2	0.83 (0.76,0.91)	0.86 (0.8,0.94)	0.85 (0.81,0.9)	0.9 (0.87,0.95)	0.84 (0.81,0.88)	0.89 (0.85,0.92)
imCMS3	0.81 (0.69,0.95)	0.81 (0.7,0.97)	0.72 (0.62,0.84)	0.77 (0.68,0.88)	0.75 (0.67,0.83)	0.78 (0.71,0.85)
imCMS4	0.85 (0.75,0.92)	0.81 (0.7,0.91)	0.84 (0.79,0.89)	0.83 (0.77,0.89)	0.84 (0.79,0.88)	0.83 (0.78,0.87)
macro avg	0.82 (0.76,0.88)	0.83 (0.77,0.9)	0.81 (0.77,0.85)	0.84 (0.81,0.88)	0.81 (0.78,0.84)	0.84 (0.8,0.87)

GRAMPIAN 12x

	20% used for domain adversarial training		80% unseen		Combined	
	(n slides = 57, n patients = 34)		(n slides = 208, n patients = 110)		(n slides = 265, n patients = 144)	
	Model w/o DA training	Model w/ DA training	Model w/o DA training	Model w/ DA training	Model w/o DA training	Model w/ DA training
imCMS1	0.81 (0.65,1.13)	0.91 (0.84,1.07)	0.82 (0.74,0.91)	0.86 (0.79,0.97)	0.82 (0.75,0.92)	0.87 (0.81,0.94)
imCMS2	0.68 (0.53,0.87)	0.72 (0.58,0.88)	0.78 (0.7,0.85)	0.81 (0.75,0.9)	0.75 (0.71,0.82)	0.79 (0.74,0.84)
imCMS3	0.75 (0.58,0.96)	0.68 (0.51,0.85)	0.8 (0.73,0.9)	0.83 (0.77,0.91)	0.79 (0.73,0.88)	0.8 (0.75,0.86)
imCMS4	0.9 (0.81,1.09)	0.89 (0.79,1.14)	0.95 (0.92,0.99)	0.94 (0.9,0.97)	0.94 (0.91,0.99)	0.93 (0.89,0.98)
macro avg	0.79 (0.7,0.9)	0.80 (0.71,0.89)	0.84 (0.79,0.88)	0.86 (0.82,0.91)	0.83 (0.79,0.86)	0.85 (0.82,0.89)