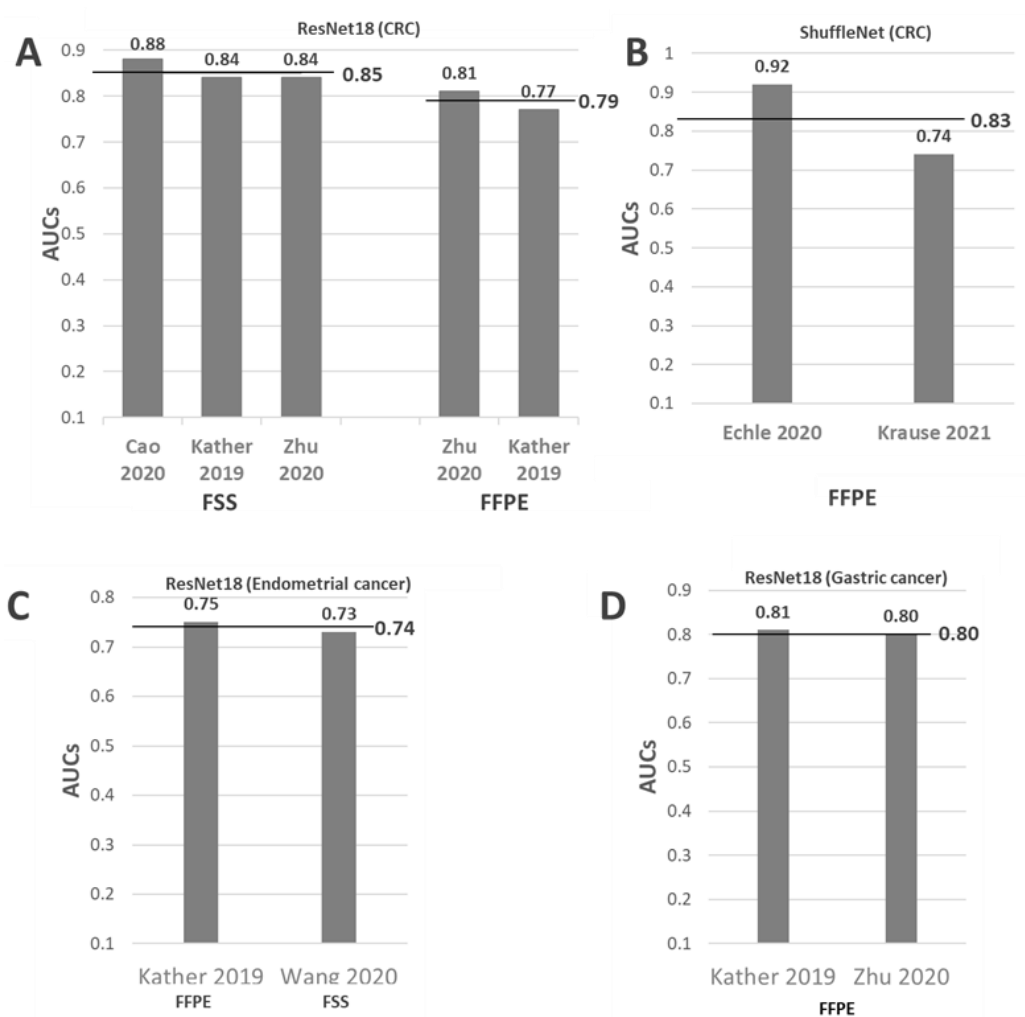


# Recent Applications of Artificial Intelligence from Histopathologic Image-Based Prediction of Microsatellite Instability in Solid Cancers: A Systematic Review

Mohammad Rizwan Alam, Jamshid Abdul-Ghafar, Kwangil Yim, Nishant Thakur, Sung Hak Lee, Hyun-Jong Jang, Chan Kwon Jung and Yosep Chong

**Table S1.** Artificial intelligence models used for microsatellite instability prediction in each study.

Cancer type	AI models	Authors	Ref.
Colorectal cancer	ResNet18	Kather et al.	[29]
		Cao et al.	[50]
		Zhu et al.	[55]
	ShuffleNet	Echle et al.	[30]
		Kather et al.	[53]
		Krause et al.	[56]
	Inception-V3	Zhang et al.	[51]
		Lee et al.	[48]
	ResNet50	Schmauch et al.	[54]
Endometrial cancer	AlexNet	Ke et al.	[52]
	MSINet	Yamashita et al.	[49]
	ResNet18	Kather et al.	[29]
		Wang et al.	[59]
	Inception-V3	Zhang et al.	[51]
Gastric cancer	InceptionResNetVI	Hong et al.	[57]
	ResNet18	Kather et al.	[29]
		Zhu et al.	[55]
Ovarian cancer	ResNet50	Schmauch et al.	[54]
	Random forest	Zeng et al.	[58]



**Figure S1.** Comparison of AUCs of AI models. (A) Comparison of ResNet18 in colorectal cancer. (B) comparison of ShuffleNet in colorectal cancer. (C) Comparison of ResNet18 in endometrial cancer. (D) Comparison of ResNet18 in gastric cancer.