

Supplementary Table S2. Prognostic factors for cancer recurrence in different machine learning models

	pT	Tumor Volume	Age	Tumor Size	CCRT	PNI	Tumor Site	LNR	LVI
LR			V	V	V	V		V	
RF	V	V	V				V	V	
CART		V	V			V		V	V

Abbreviations: pT: depth of tumor Invasion stage; CCRT: chemoradiotherapy; PNI: perineural invasion; LNR: lymph node ratio; LVI: lymphovascular invasion. LR: logistic regression; RF: Random forest; CART: classification and regression trees.