

Supplementary Materials

Table S1. MTVcsc measurement in target lesions.

Highest MTVcsc	HER2-positive/TN (N=82)		Luminal (N=38)	
	pCR (N=22)	Residual tumor (N=60)	pCR (N=0)	Residual tumor (N=38)
Breast tumor	18	57	0	33
Lymph node metastasis	4	3	0	5

Table S2. Prediction of tumor response to NAC using MTVcsc according to the molecular subtypes.

	TN (N=25)		HER2-positive/ non-luminal (N=30)		Luminal B (N=27)	
	pCR (N=6)	Residual tumor (N=19)	pCR (N=12)	Residual tumor (N=19)	pCR (N=4)	Residual tumor (N=23)
MTVcsc < 1.75 cm ³	6	3	12	5	4	13
MTVcsc > 1.75 cm ³	0	16	0	13	0	10
Prediction accuracy	88% (22/25)		83% (25/30)		52% (14/27)	