Table E1. Multivariate Cox Regression Analysis Including FTV_2, pCR, and HR/HER2 Subtype

Predictors	Model 1: $FTV_2 + \Delta FTV_2$			Model 2: $FTV_2 + \Delta FTV_2 + pCR$			Model 3: $FTV_2 + \Delta FTV_2 + pCR + HR/HER2$		
	Hazard Ratios (95% CI) p-value								
FTV_2	1.02	(1.01 1.04)	<0.001	1.03	(1.01, 1.04)	<0.001	1.02	(1.01, 1.04)	0.002
ΔFTV_2	0.99	(0.98, 1.01)	0.38	0.99	(0.98, 1.01)	0.29	0.99	(0.98, 1.01)	0.32
pCR									
Complete Response									
Non-Responder				1.52	(0.60, 3.82)	0.38	1.65	(0.63, 4.31)	0.31
HR/HER2									
HR + / HER2 -									
HR - / HER2 -							0.94	(0.34, 2.56)	0.90
HER2 +							2.10	(0.90, 4.89)	0.09
Age (years)	0.99	(0.95, 1.03)	0.54	0.98	(0.94, 1.02)	0.31	0.98	(0.94, 1.02)	0.38
Race									
White									
African-American	1.17	(0.51, 2.70)	0.71	1.24	(0.53, 2.91)	0.62	1.09	(0.46, 2.61)	0.84
Other	0.97	(0.22, 4.25)	0.97	1.03	(0.24, 4.53)	0.96	1.06	(0.24, 4.59)	0.94
Modified C-Statistic (95% CI)	0.70	(0.60, 0.80)		0.69	(0.57, 0.81)		0.69	(0.58, 0.81)	

Table E2. Multivariate Cox Regression Analysis Including FTV$_4$, RCB, and HR/HER2 Subtype

Predictors	Model 1: FTV$_4$ + ΔFTV$_4$			Model 2: FTV$_4$ + ΔFTV$_4$ + RCB			Model 3: FTV$_4$ + ΔFTV$_4$ + RCB+ HR/HER2		
	Hazard Ratios (95% CI) p-value								
FTV$_4$	1.08	(1.05, 1.11)	<0.001	1.08	(1.05, 1.12)	<0.001	1.08	(1.05, 1.12)	<0.001
ΔFTV$_4$	0.99	(0.98, 0.99)	0.001	0.99	(0.98, 0.99)	0.001	0.99	(0.98, 1.00)	0.03
RCB Class									
0: RCB Index 0									
1: RCB Index <= 1.36				0.66	(0.08, 5.56)	0.70	0.71	(0.08, 5.93)	0.75
2: 1.36 < RCB Index <= 3.28				0.92	(0.33, 2.55)	0.87	1.38	(0.48, 3.96)	0.59
3: RCB Index > 3.28				3.68	(1.35, 10.00)	0.01	5.10	(1.71, 15.25)	0.003
HR/HER2									
HR + / HER2 -									
HR - / HER2 -							2.88	(1.08, 7.64)	0.03
HER2 +							3.71	(1.42, 9.71)	0.007
Age (years)	1.00	(0.97, 1.04)	0.85	0.99	(0.95, 1.03)	0.54	0.99	(0.94, 1.04)	0.62
Race									
White									
African-American	0.84	(0.36, 2.00)	0.70	0.85	(0.35, 2.09)	0.73	0.65	(0.25, 1.70)	0.38
Other	1.10	(0.25, 4.80)	0.90	1.40	(0.31, 6.21)	0.66	1.40	(0.32, 6.16)	0.66
Modified C-Statistic (95% CI)	0.68	(0.57, 0.79)		0.72	(0.60, 0.84)		0.72	(0.59, 0.84)	

Table E3. Multivariate Cox Regression Analysis including FTV$_2$, RCB, and HR/HER2 Subtype

	Model 1: FTV$_2$ + ΔFTV$_2$			Model 2: FTV$_2$ + ΔFTV$_2$ + RCB			Model 3: FTV$_2$ + ΔFTV$_2$ + RCB+ HR/HER2		
Predictors	**Hazard Ratios (95% CI) p-value**								
FTV$_2$	1.03	(1.01, 1.04)	<0.001	1.02	(1.01, 1.04)	0.003	1.02	(1.00, 1.03)	0.040
ΔFTV$_2$	0.99	(0.98, 1.01)	0.38	0.99	(0.98, 1.01)	0.36	1.00	(0.98, 1.01)	0.56
RCB Class									
0: RCB Index 0									
1: RCB Index <= 1.36				0.57	(0.07, 4.83)	0.61	0.56	(0.07, 4.77)	0.60
2: 1.36 < RCB Index <= 3.28				1.12	(0.41, 3.08)	0.83	1.54	(0.54, 4.43)	0.42
3: RCB Index > 3.28				3.35	(1.16, 9.69)	0.03	4.48	(1.39, 14.46)	0.01
HR/HER2									
HR + / HER2 -									
HR - / HER2 -							1.71	(0.60, 4.84)	0.32
HER2 +							2.86	(1.10, 7.43)	0.03
Age (years)	0.99	(0.95, 1.03)	0.54	0.98	(0.94, 1.02)	0.25	0.97	(0.92, 1.02)	0.21
Race									
White									
African-American	1.17	(0.51, 2.70)	0.71	1.30	(0.52, 3.27)	0.57	1.01	(0.39, 2.62)	0.98
Other	0.97	(0.22, 0.425)	0.97	1.22	(0.98, 1.01)	0.36	1.22	(0.28, 5.38)	0.79
Modified C-Statistic (95% CI)	0.70	(0.60, 0.80)		0.72	(0.60, 0.84)		0.72	(0.60, 0.84)	