

## Supplementary Material – Validation of a Radiosensitivity Molecular Signature in Breast Cancer

**Online Table 1. Clinical Characteristics of Patients**

<b>Erasmus (n=344)</b>	<b>N (%)</b>
ER_PR <sup>§</sup>	
ER+/PR+	151 (45.2)
ER-/PR+ or ER+/PR-	82 (24.6)
ER-/PR-	101 (30.2)
Size	
T1	167 (48.5)
T2, T3 or T4	177 (51.5)
Menopause	
Premenopausal	197 (57.3)
Postmenopausal	147 (42.7)
Age	
26-40	51 (14.8)
41-55	151 (43.9)
56-70	106 (30.8)
71-83	36 (10.5)
Surgery	
Lumpectomy	251 (73.0)
Mastectomy	93 (27.0)
RT <sup>†</sup> (yes)	282 (82.0)
<hr/>	
<b>Karolinska (n=159)</b>	<b>N (%)</b>
LN <sup>*</sup>	60 (39.0)
ER_PR	
ER+/PR+	108 (67.9)
ER-/PR+ or ER+/PR-	28 (17.6)
ER-/PR-	23 (14.5)
Size	
T1	97 (61.8)
T2, T3 or T4	60 (38.2)
Grade <sup>‡</sup>	
elston 1	28 (19.0)
elston 2	58 (40.0)
elston 3	61 (41.5)
ET <sup>†</sup> (yes)	114 (71.7)
CT <sup>†</sup> (yes)	30 (18.9)
Surgery <sup>‡</sup>	
Segmentectomy	42 (26.8)
Mastectomy	115 (73.2)
RT <sup>†</sup> (yes)	77 (48.4)

<sup>†</sup>ET=endocrine therapy, CT=chemotherapy, RT=radiation therapy

<sup>‡</sup>Grade: 4 Missing data points

<sup>§</sup>Erasmus ER\_PR: 10 missing data points

\*Karolinska LN+: 5 missing data points

‡Karolinska Grade: 12 missing data points

‡Karolinska Surgery: 2 missing data points

Numbers may not add to 100 because of rounding

**Online Table 2. Distribution of Recurrences by Group**

	<b>Local- regional</b>	<b>Distant</b>
<b>RT patients (n=77)</b>		
Radiosensitive (n=20)	0	1
Radioresistant (n=57)	2	16
<b>No RT patients (n=82)</b>		
Radiosensitive (n=28)	5	3
Radioresistant (n=54)	3	10