	Error Rate	Gene Set Size	Predictor Size	Training Error	PAM Cross-Validation Error
Menopausal Status - SAM	0.375 ± 0.25	83.25 ± 43.77	12.75 ± 4.19	0.16 ± 0.03	0.40 ± 0.04
Menopausal Status - Limma	0.5 ± 0	9.55 ± 3.14	6.91 ± 2.70	0.31 ± 0.04	0.47 ± 0.05
ER - Limma	0.5 ± 0.35	2651.78 ± 100.84	122 ± 105.15	0.038 ± 0.021	0.48 ± 0.08
PR - Limma	0.5 ± 0.24	910.4 ± 135.33	34 ± 27.68	0.079 ± 0.04	0.47 ± 0.17
HER2 - SAM	0.5 ± 0	65.33 ± 63.32	20.67 ± 8.08	0.13 ± 0.11	0.24 ± 0.05
HER2 - Limma	0.5 ± 0.32	54 ± 30.79	30.83 ± 13.56	0 ± 0	0.41 ± 0.16
Grade - Limma	0.4 ± 0.21	286.3 ± 49.52	78.4 ± 57.48	0.042 ± 0.028	0.39 ± 0.09
Adjacent vs Reduction - Limma	0.42 ± 0.20	7664.83 ± 27.82	28.5 ± 6.09	0 ± 0	0.18 ± 0.07

Supplementary Table S2: