	Error rate	Gene Set Size	Predictor Size	Training Error	PAM Cross-Validation Error Rate
Menopausal Status - SAM	0.5 ± 0	73 ± 18.5	25.7 ± 4.73	0.0667 ± 0.0577	0.3 ± 0.132
Menopausal Status - Limma	0.357 ± 0.244	3430 ± 82.5	29.9 ± 15.1	0.00714 ± 0.0189	0.4 ± 0.112
ER- Limma	0.55 ± 0.158	30.1 ± 7.78	16 ± 6.93	0.195 ± 0.0744	0.373 ± 0.0636
PR - Limma	0.556 ± 0.3	1710 ± 120	32.8 ± 16.6	0.0152 ± 0.0227	0.54 ± 0.11
Lymph Node - Limma	0.455 ± 0.35	14.9 ± 5.56	6.09 ± 4.93	0.233 ± 0.0653	0.466 ± 0.123
HER2 - Limma	0.5 ± 0	6850 ± 50.8	24.4 ± 5.5	0 ± 0	0.29 ± 0.0894
Grade - Limma	0.222 ± 0.264	2490 ± 111	251 ± 497	0.058 ± 0.0307	0.396 ± 0.105
Adjacent vs Reduction - Limma	0.5 ± 0.354	5480 ± 46.9	79.1 ± 107	0.0382 ± 0.0138	0.271 ± 0.0313
Recurrence - Limma	0.50 ± 0.41	8720 ± 19.48	31.25 ± 11.81	0.011 ± 0.022	0.283 ± 0.025

Supplementary Table S3: