- b. ER Group Score = ((0.8 x ER) + (1.2 x PGR) + Bcl2 + SCUBE2))/4
- c. Proliferation Group Score = (SURV + KI-67 + MYBL2 + Cyclin B1 + STK15)/5; if Proliferation Group Score < 6.5 then Proliferation Group Score = 6.5
- d. Invasion Group Score = (Cathepsin L2 + Stromelysin 3)/2
- 3. The Recurrence Score unscaled (RS<sub>U</sub>) is calculated using coefficients that were pre-defined based on regression analysis of gene expression and recurrence in the three training studies (Providence, Rush, and NSABP B-20) (12). A plus sign indicates increased expression is associated with increased recurrence risk. A minus sign indicates that increased expression is associated with decreased recurrence risk.

4. The Recurrence Score is then rescaled from the Recurrence Score unscaled:

$$RS = \begin{cases} 0 & \text{if } RS_{U} < 0 \\ 20 \times (RS_{U} - 6.7) & \text{if } 0 \leq RS_{U} \leq 100 \\ 100 & \text{if } RS_{U} > 100 \end{cases}$$