**PAM50 LumA: N = 721 PAM50 LumB: N = 492** Beta-catenin|ILMN\_1746396 (non-ER binding) Beta-catenin|ILMN\_1746396 (non-ER binding) [<=60] p = 0.84323No detectable trend: [<=60] p = 0.61349No detectable trend: 16 16 [>60] p = 0.19836[>60] p = 0.33688|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.64144[AII] p = 0.708854 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis PAM50 Her2: N = 240 **PAM50 Basal: N = 331** Beta-catenin|ILMN\_1746396 (non-ER binding) Beta-catenin|ILMN\_1746396 (non-ER binding) [<=60] p = 0.80141No detectable trend: [<=60] p = 0.95478No detectable trend: 16 16 [>60] p = 0.083687[>60] p = 0.17588|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.88465[AII] p = 0.691934 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

## PAM50 Normal: N = 202 Beta-catenin|ILMN\_1746396 (non-ER binding)

