PAM50 LumA: N = 721 PAM50 LumB: N = 492 Beta-catenin|ILMN_1757350 (non-ER binding) Beta-catenin|ILMN_1757350 (non-ER binding) [<=60] p = 0.59403No detectable trend: [<=60] p = 0.69408No detectable trend: 16 16 [>60] p = 0.33907[>60] p = 0.31927 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.36889[AII] p = 0.815574 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 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_1757350 (non-ER binding) Beta-catenin|ILMN_1757350 (non-ER binding) [<=60] p = 0.85712No detectable trend: [<=60] p = 0.93778No detectable trend: 16 16 [>60] p = 0.052542 [>60] p = 0.13703|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.93594[AII] p = 0.680474 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 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_1757350 (non-ER binding)

