PAM50 LumA: N = 721 PAM50 LumB: N = 492 Beta-catenin|ILMN_1651617 (non-ER binding) Beta-catenin|ILMN_1651617 (non-ER binding) [<=60] p = 0.9695No detectable trend: [<=60] p = 0.80351No detectable trend: 16 16 [>60] p = 0.72151 [>60] p = 0.69584|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.72461[AII] p = 0.298494 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_1651617 (non-ER binding) Beta-catenin|ILMN_1651617 (non-ER binding) [<=60] p = 0.98145No detectable trend: [<=60] p = 0.96463No detectable trend: 16 16 [>60] p = 0.36825|FC|<4 or adjPval>0.01 [>60] p = 0.67315 |FC|<4 or adjPval>0.01 [AII] p = 0.75273[AII] p = 0.91114 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_1651617 (non-ER binding)

