**PAM50 LumA: N = 721 PAM50 LumB: N = 492** p18INK4C|ILMN\_1652171 p18INK4C|ILMN\_1652171 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.74358[<=60] p = 0.73481No detectable trend: No detectable trend: 16 16 [>60] p = 0.81145 |FC|<2 or adjPval>0.01 [>60] p = 0.54647 |FC|<2 or adjPval>0.01 [AII] p = 0.66037[AII] p = 0.388094 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** p18INK4C|ILMN\_1652171 p18INK4C|ILMN\_1652171 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.80569No detectable trend: [<=60] p = 0.39029No detectable trend: 16 16 [>60] p = 0.80008 |FC|<2 or adjPval>0.01 [>60] p = 0.096539 |FC|<2 or adjPval>0.01 [AII] p = 0.099639[AII] p = 0.601464 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 Normal: N = 202 p18INK4C|ILMN\_1652171

NKI Tier 1: non-ER binding; Tier 2: ER binding

