PAM50 LumB: N = 492 PAM50 LumA: N = 721 AR|ILMN_1659572 AR|ILMN_1659572 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.17348No detectable trend: [<=60] p = 0.42936Age-dependent trend: 16 16 [>60] p = 0.15081 |FC|<1.25 or adjPval>0.01 [>60] p = 0.00042246 |FC|>1.25 and adjPval<0.01 [AII] p = 0.0031421[AII] p = 4.4154e - 054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis **PAM50 Basal: N = 331** PAM50 Her2: N = 240AR|ILMN_1659572 AR|ILMN_1659572 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.73634No detectable trend: [<=60] p = 0.052577No detectable trend: 16 16 [>60] p = 0.16387 |FC|<1.25 or adjPval>0.01 [>60] p = 0.048136 |FC|<1.25 or adjPval>0.01 [All] p = 0.77653[AII] p = 0.130874 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 AR|ILMN_1659572

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

