**PAM50 LumB: N = 492 PAM50 LumA: N = 721** AXIN1|ILMN\_1766185 AXIN1|ILMN\_1766185 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.44112No detectable trend: [<=60] p = 0.20679No detectable trend: 16 16 [>60] p = 0.96766 [>60] p = 0.074328|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.2742[AII] p = 0.0405174 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis PAM50 Her2: N = 240 **PAM50 Basal: N = 331** AXIN1|ILMN\_1766185 AXIN1|ILMN\_1766185 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.13926No detectable trend: [<=60] p = 0.71171No detectable trend: 16 16 [>60] p = 0.93492[>60] p = 0.37078|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.036674[AII] p = 0.869914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 AXIN1|ILMN\_1766185

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

