**PAM50 LumA: N = 721 PAM50 LumB: N = 492** AKT2|ILMN\_1743347 AKT2|ILMN\_1743347 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.49992No detectable trend: [<=60] p = 0.42601No detectable trend: 16 16 [>60] p = 0.34034|FC|<1.25 or adjPval>0.01 [>60] p = 0.44215 |FC|<1.25 or adjPval>0.01 [AII] p = 0.083566[AII] p = 0.224774 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 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** AKT2|ILMN\_1743347 AKT2|ILMN\_1743347 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.77223[<=60] p = 0.5212No detectable trend: No detectable trend: 16 16 [>60] p = 0.67064|FC|<1.25 or adjPval>0.01 [>60] p = 0.28087 |FC|<1.25 or adjPval>0.01 [AII] p = 0.06414[All] p = 0.491524 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 

9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 AKT2|ILMN\_1743347

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

