**PAM50 LumA: N = 721 PAM50 LumB: N = 492** Bcl2|ILMN\_2363250 Bcl2|ILMN\_2363250 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.00021331 No detectable trend: [<=60] p = 0.46649No detectable trend: 16 16 [>60] p = 0.9558|FC|<1.25 or adjPval>0.01 [>60] p = 0.26873 |FC|<1.25 or adjPval>0.01 [AII] p = 0.57552[AII] p = 0.727964 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 Basal: N = 331** PAM50 Her2: N = 240Bcl2|ILMN\_2363250 Bcl2|ILMN\_2363250 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.88341No detectable trend: [<=60] p = 0.26408No detectable trend: 16 16 [>60] p = 0.49813 |FC|<1.25 or adjPval>0.01 [>60] p = 0.29869 |FC|<1.25 or adjPval>0.01 [All] p = 0.18163[All] p = 0.882344 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

 $\infty$ 

9

20

40

60

Age at diagnosis

80

100

ω

9

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 Bcl2|ILMN\_2363250

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

