**PAM50 LumA: N = 721 PAM50 LumB: N = 492** Bcl2|ILMN\_1801119 Bcl2|ILMN\_1801119 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.19355No detectable trend: [<=60] p = 0.47432No detectable trend: 16 16 [>60] p = 0.36278 [>60] p = 0.72197 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.91842[AII] p = 0.229834 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 Bcl2|ILMN\_1801119 Bcl2|ILMN\_1801119 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.93615[<=60] p = 0.29542No detectable trend: No detectable trend: 16 9 [>60] p = 0.79684 |FC|<1.25 or adjPval>0.01 [>60] p = 0.43226 |FC|<1.25 or adjPval>0.01 [AII] p = 0.039024[AII] p = 0.798434 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

ω

9

20

40

60

Age at diagnosis

80

100

 $\infty$ 

9

20

40

60

Age at diagnosis

80

100

## PAM50 Normal: N = 202 Bcl2|ILMN\_1801119

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

