**PAM50 LumA: N = 721 PAM50 LumB: N = 492** Bcl2|ILMN\_1701120 Bcl2|ILMN\_1701120 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.42192No detectable trend: [<=60] p = 0.71158No detectable trend: 16 16 [>60] p = 0.0055887 |FC|<4 or adjPval>0.01 [>60] p = 0.29583 |FC|<4 or adjPval>0.01 [AII] p = 0.36792[AII] p = 0.508874 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\_1701120 Bcl2|ILMN\_1701120 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.41588No detectable trend: [<=60] p = 0.38043No detectable trend: 16 16 [>60] p = 0.74832[>60] p = 0.3725 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.93921[AII] p = 0.19924 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 Bcl2|ILMN\_1701120

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

