**PAM50 LumA: N = 721 PAM50 LumB: N = 492** PgR/pr|ILMN\_1811014 PgR/pr|ILMN\_1811014 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.033428 [<=60] p = 0.011068No detectable trend: No detectable trend: 16 16 [>60] p = 0.94935[>60] p = 0.75673 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.0006841[AII] p = 0.0666714 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 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 PgR/pr|ILMN\_1811014 PgR/pr|ILMN\_1811014 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.76691 [<=60] p = 0.68984No detectable trend: No detectable trend: 16 9 [>60] p = 0.65135 [>60] p = 0.12107 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.88723[All] p = 0.501534 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 PgR/pr|ILMN\_1811014

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

