**PAM50 LumA: N = 721 PAM50 LumB: N = 492** GRIA2|ILMN\_1660372 GRIA2|ILMN\_1660372 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.0099739 No detectable trend: [<=60] p = 0.48707No detectable trend: 16 16 [>60] p = 0.13682[>60] p = 0.44572 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 4.4473e - 06[AII] p = 0.384054 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 GRIA2|ILMN\_1660372 GRIA2|ILMN\_1660372 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.20068No detectable trend: [<=60] p = 0.66949No detectable trend: 16 9 [>60] p = 0.91647 |FC|<4 or adjPval>0.01 [>60] p = 0.67476 |FC|<4 or adjPval>0.01 [AII] p = 0.012446[AII] p = 0.694814 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 GRIA2|ILMN\_1660372

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

