**PAM50 LumA: N = 721 PAM50 LumB: N = 492** IGKC|ILMN\_1652199 IGKC|ILMN\_1652199 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.37331No detectable trend: [<=60] p = 0.90051No detectable trend: 16 16 [>60] p = 0.13572 [>60] p = 0.16763 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 1.0162e - 08[AII] p = 0.310814 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** IGKC|ILMN\_1652199 IGKC|ILMN\_1652199 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.49309No detectable trend: [<=60] p = 0.9215No detectable trend: 9 9 [>60] p = 0.89185 [>60] p = 0.28934|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.29278[AII] p = 0.030764 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 IGKC|ILMN\_1652199

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

