**PAM50 LumA: N = 721 PAM50 LumB: N = 492** TCN1|ILMN\_1768469 TCN1|ILMN\_1768469 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.68199No detectable trend: [<=60] p = 0.82922No detectable trend: 16 16 [>60] p = 0.34855[>60] p = 0.72129 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 2.6237e - 05[AII] p = 0.368834 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** TCN1|ILMN\_1768469 TCN1|ILMN\_1768469 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.19878No detectable trend: [<=60] p = 0.37532No detectable trend: 9 9 |FC|<2 or adjPval>0.01 [>60] p = 0.70595 [>60] p = 0.10785 |FC|<2 or adjPval>0.01 [AII] p = 0.89652[AII] p = 0.100094 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 TCN1|ILMN\_1768469

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

