K-ras|ILMN\_1652104 K-ras|ILMN\_1652104 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.89237No detectable trend: [<=60] p = 0.99669No detectable trend: 16 16 [>60] p = 0.91797 [>60] p = 0.73744|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.82066[AII] p = 0.7354 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 Her2: N = 240**PAM50 Basal: N = 331** K-ras|ILMN\_1652104 K-ras|ILMN\_1652104 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.16388No detectable trend: [<=60] p = 0.90849No detectable trend: 16 16 [>60] p = 0.1471 [>60] p = 0.63326|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.85119[All] p = 0.723954 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9

**PAM50 LumB: N = 492** 

**PAM50 LumA: N = 721** 

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 K-ras|ILMN\_1652104

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

