**PAM50 LumB: N = 492 PAM50 LumA: N = 721** CBX1|ILMN\_1770244 CBX1|ILMN\_1770244 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.69266No detectable trend: [<=60] p = 0.35426No detectable trend: 16 16 [>60] p = 0.73438 |FC|<1.25 or adjPval>0.01 [>60] p = 0.85754 |FC|<1.25 or adjPval>0.01 [AII] p = 0.3262[AII] p = 0.985414 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** CBX1|ILMN\_1770244 CBX1|ILMN\_1770244 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.14141No detectable trend: [<=60] p = 0.59402No detectable trend: 16 16 [>60] p = 0.66423|FC|<1.25 or adjPval>0.01 [>60] p = 0.54596 |FC|<1.25 or adjPval>0.01 [All] p = 0.017275[AII] p = 0.450294 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

 $\infty$ 

9

20

40

60

Age at diagnosis

80

100

 $\infty$ 

9

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 CBX1|ILMN\_1770244

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

