**PAM50 LumA: N = 721 PAM50 LumB: N = 492** YAF2|ILMN\_1765606 YAF2|ILMN\_1765606 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.1365[<=60] p = 0.61024No detectable trend: No detectable trend: 16 16 [>60] p = 0.7629 |FC|<4 or adjPval>0.01 [>60] p = 0.30337 |FC|<4 or adjPval>0.01 [AII] p = 0.060488[AII] p = 0.114414 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** YAF2|ILMN\_1765606 YAF2|ILMN\_1765606 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.91134No detectable trend: [<=60] p = 0.043266No detectable trend: 16 16 [>60] p = 0.19907|FC|<4 or adjPval>0.01 [>60] p = 0.22041 |FC|<4 or adjPval>0.01 [AII] p = 0.53708[AII] p = 0.696674 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 

9

20

40

60

Age at diagnosis

80

100

9

20

40

80

60

Age at diagnosis

100

## PAM50 Normal: N = 202 YAF2|ILMN\_1765606

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

