SMAD2|ILMN\_1771203 SMAD2|ILMN\_1771203 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.41761No detectable trend: [<=60] p = 0.76342No detectable trend: 16 16 [>60] p = 0.049539 [>60] p = 0.93255|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.13593[AII] p = 0.836434 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 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 SMAD2|ILMN\_1771203 SMAD2|ILMN\_1771203 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.45359[<=60] p = 0.92511 No detectable trend: No detectable trend: 16 16 [>60] p = 0.12529 [>60] p = 0.672|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.67957[All] p = 0.504354 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 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 SMAD2|ILMN\_1771203

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

