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|<1.25 or adjPval>0.01 |FC|<1.25 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 ω ∞ 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 = 0.45359No detectable trend: [<=60] p = 0.92511No detectable trend: 16 16 [>60] p = 0.12529 [>60] p = 0.672|FC|<1.25 or adjPval>0.01 |FC|<1.25 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 ω ∞ 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

