SMAD2|ILMN_1751036 SMAD2|ILMN_1751036 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.060075 [<=60] p = 0.1698No detectable trend: No detectable trend: 16 16 [>60] p = 0.37562[>60] p = 0.11302 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.10399[AII] p = 0.0771674 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 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 SMAD2|ILMN_1751036 SMAD2|ILMN_1751036 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.95355[<=60] p = 0.48204No detectable trend: No detectable trend: 16 16 [>60] p = 0.15561 [>60] p = 0.52296 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.68577[AII] p = 0.327764 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 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 SMAD2|ILMN_1751036

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

