PAM50 LumA: N = 721 PAM50 LumB: N = 492 ER-beta|ILMN_2390457 ER-beta|ILMN_2390457 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.40356No detectable trend: [<=60] p = 0.16795No detectable trend: 16 16 [>60] p = 0.23638 |FC|<1.25 or adjPval>0.01 [>60] p = 0.64891 |FC|<1.25 or adjPval>0.01 [AII] p = 0.58547[AII] p = 0.742064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis **PAM50 Basal: N = 331** PAM50 Her2: N = 240ER-beta|ILMN_2390457 ER-beta|ILMN_2390457 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.64332No detectable trend: [<=60] p = 0.65796No detectable trend: 16 16 [>60] p = 0.94166|FC|<1.25 or adjPval>0.01 [>60] p = 0.1333 |FC|<1.25 or adjPval>0.01 [All] p = 0.71239[AII] p = 0.201664 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 ER-beta|ILMN_2390457

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

