PAM50 LumA: N = 721 PAM50 LumB: N = 492 CBX7|ILMN_1657361 CBX7|ILMN_1657361 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.16263Age-dependent trend: [<=60] p = 0.047394No detectable trend: 16 16 [>60] p = 0.096374 |FC|>1.25 and adjPval<0.01 [>60] p = 0.66161 |FC|<1.25 or adjPval>0.01 [AII] p = 0.00027237[AII] p = 0.0426924 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 Basal: N = 331** PAM50 Her2: N = 240CBX7|ILMN_1657361 CBX7|ILMN_1657361 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.15755No detectable trend: [<=60] p = 0.99081No detectable trend: 16 16 [>60] p = 0.90014 |FC|<1.25 or adjPval>0.01 [>60] p = 0.4504 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0073576[AII] p = 0.379644 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

ω

9

20

40

60

Age at diagnosis

80

100

ω

9

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 CBX7|ILMN_1657361

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

