PAM50 LumB: N = 492 PAM50 LumA: N = 721 INPP4B|ILMN_2198878 INPP4B|ILMN_2198878 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.81952 No detectable trend: [<=60] p = 0.8755No detectable trend: 16 16 [>60] p = 0.67614 [>60] p = 0.40389 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.086907[All] p = 0.525984 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 INPP4B|ILMN_2198878 INPP4B|ILMN_2198878 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.79421No detectable trend: [<=60] p = 0.020156No detectable trend: 16 16 [>60] p = 0.17609 |FC|<1.25 or adjPval>0.01 [>60] p = 0.93368 |FC|<1.25 or adjPval>0.01 [AII] p = 0.049024[AII] p = 0.030074 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞

9

20

40

60

Age at diagnosis

80

100

9

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 INPP4B|ILMN_2198878

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

