**PAM50 LumB: N = 492 PAM50 LumA: N = 721** ARID1B|ILMN\_2415357 ARID1B|ILMN\_2415357 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.83186No detectable trend: [<=60] p = 0.56986No detectable trend: 16 16 [>60] p = 0.049577 [>60] p = 0.94322|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.040956[AII] p = 0.652024 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 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 = 240ARID1B|ILMN\_2415357 ARID1B|ILMN\_2415357 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.34543No detectable trend: [<=60] p = 0.18426No detectable trend: 16 16 [>60] p = 0.10808 [>60] p = 0.019446|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.051999[AII] p = 0.672914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 ARID1B|ILMN\_2415357

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

