**PAM50 LumA: N = 721 PAM50 LumB: N = 492** CD44|ILMN\_1803429 CD44|ILMN\_1803429 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.36125[<=60] p = 0.51966No detectable trend: No detectable trend: 16 16 [>60] p = 0.6018[>60] p = 0.24723 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.014581[AII] p = 0.091114 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis PAM50 Her2: N = 240 **PAM50 Basal: N = 331** CD44|ILMN\_1803429 CD44|ILMN\_1803429 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.14651No detectable trend: [<=60] p = 0.39302No detectable trend: 9 9 [>60] p = 0.55673 |FC|<4 or adjPval>0.01 [>60] p = 0.14932 |FC|<4 or adjPval>0.01 [All] p = 0.016583[All] p = 0.512894 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 CD44|ILMN\_1803429

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

