**PAM50 LumA: N = 721** PAM50 LumB: N = 492HIF3alpha|ILMN\_2265623 HIF3alpha|ILMN\_2265623 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.63362[<=60] p = 0.099724No detectable trend: No detectable trend: 16 16 [>60] p = 0.96511 [>60] p = 0.73482|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [All] p = 0.13353[AII] p = 0.904924 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 Her2: N = 240 **PAM50 Basal: N = 331** HIF3alpha|ILMN\_2265623 HIF3alpha|ILMN\_2265623 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.19517No detectable trend: [<=60] p = 0.068254No detectable trend: 16 16 [>60] p = 0.2337[>60] p = 0.9972|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [All] p = 0.52942[AII] p = 0.100694 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 

9

20

40

60

Age at diagnosis

80

100

9

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 HIF3alpha|ILMN\_2265623

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

