**PAM50 LumA: N = 721** PAM50 LumB: N = 492HIF3alpha|ILMN\_1792799 HIF3alpha|ILMN\_1792799 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.21022 No detectable trend: [<=60] p = 0.51179No detectable trend: 16 16 [>60] p = 0.0017002 [>60] p = 0.35791 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.010128[All] p = 0.838354 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\_1792799 HIF3alpha|ILMN\_1792799 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.31946No detectable trend: [<=60] p = 0.41266No detectable trend: 16 16 [>60] p = 0.98732 |FC|<1.25 or adjPval>0.01 [>60] p = 0.94613 |FC|<1.25 or adjPval>0.01 [AII] p = 0.20768[AII] p = 0.870254 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis

PAM50 Normal: N = 202 HIF3alpha|ILMN\_1792799

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

