ER+/HER2-: N = 1408ER+/HER2+: N = 110ERK1|ILMN\_1667260 ERK1|ILMN\_1667260 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.59294[<=60] p = 0.10159No detectable trend: No detectable trend: 16 16 [>60] p = 0.66803 |FC|<2 or adjPval>0.01 [>60] p = 0.068319 |FC|<2 or adjPval>0.01 [AII] p = 0.51147[AII] p = 0.000395964 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 80 20 40 60 60 100 80 100 Age at diagnosis Age at diagnosis ER-/HER2+: N = 139ER-/HER2-: N = 335ERK1|ILMN\_1667260 ERK1|ILMN\_1667260 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.81796No detectable trend: [<=60] p = 0.50187No detectable trend: 9 9 [>60] p = 0.81457 |FC|<2 or adjPval>0.01 [>60] p = 0.51499 |FC|<2 or adjPval>0.01 [All] p = 0.19787[All] p = 0.865134 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100