ER+/HER2-: N = 1408ER+/HER2+: N = 110RUNX1|ILMN_1801504 RUNX1|ILMN_1801504 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.051595Age-dependent trend: [<=60] p = 0.51501No detectable trend: 16 16 [>60] p = 0.020882 |FC|>1.25 and adjPval<0.01 [>60] p = 0.42619 |FC|<1.25 or adjPval>0.01 [AII] p = 3.0745e - 09[AII] p = 0.0373914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 Age at diagnosis Age at diagnosis

80 100 ER-/HER2-: N = 335ER-/HER2+: N = 139RUNX1|ILMN_1801504 RUNX1|ILMN_1801504 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.50179No detectable trend: [<=60] p = 0.15137No detectable trend: 16 16 [>60] p = 0.46218 |FC|<1.25 or adjPval>0.01 [>60] p = 0.93331 |FC|<1.25 or adjPval>0.01 [AII] p = 0.74682[AII] p = 0.996824 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ω 9 9 20 40 80 100 20 40 60 80 100 60

Age at diagnosis

Age at diagnosis