ER+/HER2+: N = 110ER+/HER2-: N = 1408RUNX1|ILMN_1669335 RUNX1|ILMN_1669335 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.020665 [<=60] p = 0.52623No detectable trend: No detectable trend: 16 16 [>60] p = 0.040639 |FC|<2 or adjPval>0.01 [>60] p = 0.177 |FC|<2 or adjPval>0.01 [AII] p = 0.016753[AII] p = 0.473924 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 80 100 Age at diagnosis Age at diagnosis ER-/HER2+: N = 139ER-/HER2-: N = 335RUNX1|ILMN_1669335 RUNX1|ILMN_1669335 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.91187[<=60] p = 0.82913No detectable trend: No detectable trend: 16 16 [>60] p = 0.90463|FC|<2 or adjPval>0.01 [>60] p = 0.52175 |FC|<2 or adjPval>0.01 [AII] p = 0.27309[AII] p = 0.68464 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

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