ER+/HER2-: N = 1408ER+/HER2+: N = 110p18INK4C|ILMN_2359332 p18INK4C|ILMN_2359332 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.34971[<=60] p = 0.77224No detectable trend: No detectable trend: 16 16 [>60] p = 0.35064 |FC|<2 or adjPval>0.01 [>60] p = 0.34325 |FC|<2 or adjPval>0.01 [AII] p = 0.41691[AII] p = 0.978994 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis ER-/HER2-: N = 335ER-/HER2+: N = 139p18INK4C|ILMN_2359332 p18INK4C|ILMN_2359332 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.82143No detectable trend: [<=60] p = 0.31287No detectable trend: 16 16 [>60] p = 0.85696|FC|<2 or adjPval>0.01 [>60] p = 0.71265 |FC|<2 or adjPval>0.01 [AII] p = 0.6389[All] p = 0.107364 4

