SOS1|ILMN_1767135 SOS1|ILMN_1767135 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.76524[<=60] p = 0.53874No detectable trend: No detectable trend: 16 16 [>60] p = 0.23315[>60] p = 0.40052|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.45873[AII] p = 0.574484 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 = 335ER-/HER2+: N = 139SOS1|ILMN_1767135 SOS1|ILMN_1767135 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.24783No detectable trend: [<=60] p = 0.41883No detectable trend: 16 16 [>60] p = 0.32208[>60] p = 0.54171 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.59333[AII] p = 0.399274 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

ER+/HER2+: N = 110

ER+/HER2-: N = 1408

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100