PAM50 LumA: N = 721 PAM50 LumB: N = 492HIF3alpha|ILMN_1808409 HIF3alpha|ILMN_1808409 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.014423 [<=60] p = 0.59582No detectable trend: No detectable trend: 16 16 [>60] p = 0.52748[>60] p = 0.3291|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.72172[AII] p = 0.00910574 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 PAM50 Her2: N = 240**PAM50 Basal: N = 331** HIF3alpha|ILMN_1808409 HIF3alpha|ILMN_1808409 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.61048[<=60] p = 0.61814No detectable trend: No detectable trend: 16 16 [>60] p = 0.61974 [>60] p = 0.59984|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [All] p = 0.56582[AII] p = 0.910144 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

PAM50 Normal: N = 202 HIF3alpha|ILMN_1808409

NKI Tier 1: non-ER binding; Tier 2: ER binding

