PAM50 LumA: N = 721 PAM50 LumB: N = 492 LUM|ILMN_1790529 LUM|ILMN_1790529 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.27336No detectable trend: [<=60] p = 0.0064587No detectable trend: 16 16 [>60] p = 0.021923 [>60] p = 0.039404 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 9.737e - 10[AII] p = 3.4834e - 064 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 PAM50 Her2: N = 240 **PAM50 Basal: N = 331** LUM|ILMN_1790529 LUM|ILMN_1790529 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi

[<=60] p = 0.2302No detectable trend: [<=60] p = 0.018107No detectable trend: 9 9 [>60] p = 0.43177 [>60] p = 0.88414 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.14753[All] p = 0.815864 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

PAM50 Normal: N = 202 LUM|ILMN_1790529

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

