PAM50 LumB: N = 492 PAM50 LumA: N = 721 GRB7|ILMN_1740762 GRB7|ILMN_1740762 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.10958[<=60] p = 0.44847No detectable trend: No detectable trend: 16 16 [>60] p = 0.21241 [>60] p = 0.35843|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.33781[AII] p = 0.857744 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 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 GRB7|ILMN_1740762 GRB7|ILMN_1740762 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.077235[<=60] p = 0.38659No detectable trend: No detectable trend: 16 9 [>60] p = 0.13402[>60] p = 0.30422|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 1.5051e - 08[AII] p = 0.952764 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis

PAM50 Normal: N = 202 GRB7|ILMN_1740762

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

