**PAM50 LumA: N = 721 PAM50 LumB: N = 492** GRB7|ILMN\_2405254 GRB7|ILMN\_2405254 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.42271No detectable trend: [<=60] p = 0.11634No detectable trend: 16 16 [>60] p = 0.73505 [>60] p = 0.29596 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.14111[AII] p = 0.966184 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 GRB7|ILMN\_2405254 GRB7|ILMN\_2405254 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.082239No detectable trend: [<=60] p = 0.47372No detectable trend: 16 9 [>60] p = 0.18328|FC|<2 or adjPval>0.01 [>60] p = 0.28129 |FC|<2 or adjPval>0.01 [AII] p = 1.4245e - 07[AII] p = 0.729984 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 GRB7|ILMN\_2405254

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

