PAM50 LumB: N = 492 PAM50 LumA: N = 721 DVL|ILMN_1657278 DVL|ILMN_1657278 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.85803[<=60] p = 0.33649No detectable trend: No detectable trend: 16 16 [>60] p = 0.00016953 [>60] p = 0.32197 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.50265[AII] p = 0.752014 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** DVL|ILMN_1657278 DVL|ILMN_1657278 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.025251No detectable trend: [<=60] p = 0.10808No detectable trend: 16 16 [>60] p = 0.19482 |FC|<1.25 or adjPval>0.01 [>60] p = 0.72505 |FC|<1.25 or adjPval>0.01 [AII] p = 0.068361[AII] p = 0.288254 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 DVL|ILMN_1657278

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

