Mdm2|ILMN_2389851 Mdm2|ILMN_2389851 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.028745No detectable trend: [<=60] p = 0.44373No detectable trend: 16 16 [>60] p = 0.90483[>60] p = 0.29145 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.22742[AII] p = 0.781694 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** Mdm2|ILMN_2389851 Mdm2|ILMN_2389851 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.28588No detectable trend: [<=60] p = 0.44823No detectable trend: 16 16 [>60] p = 0.0067062 [>60] p = 0.38151 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.97164[AII] p = 0.363724 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 9

PAM50 LumB: N = 492

PAM50 LumA: N = 721

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 Mdm2|ILMN_2389851

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

