PAM50 LumA: N = 721 PAM50 LumB: N = 492 NF-kappaB2|ILMN_2390859 (non-ER binding) NF-kappaB2|ILMN_2390859 (non-ER binding) [<=60] p = 0.75247No detectable trend: [<=60] p = 0.14774No detectable trend: 16 16 [>60] p = 0.86567|FC|<4 or adjPval>0.01 [>60] p = 0.23243 |FC|<4 or adjPval>0.01 [AII] p = 0.51398[AII] p = 0.802824 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** NF-kappaB2|ILMN_2390859 (non-ER binding) NF-kappaB2|ILMN_2390859 (non-ER binding) [<=60] p = 0.58062No detectable trend: [<=60] p = 0.06046No detectable trend: 16 16 [>60] p = 0.48912|FC|<4 or adjPval>0.01 [>60] p = 0.70918 |FC|<4 or adjPval>0.01 [AII] p = 0.98961[AII] p = 0.388264 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

PAM50 Normal: N = 202 NF-kappaB2|ILMN_2390859 (non-ER binding)

