PAM50 LumA: N = 721 PAM50 LumB: N = 492 PERLD1|ILMN_1805636 (non-ER binding) PERLD1|ILMN_1805636 (non-ER binding) [<=60] p = 0.11069No detectable trend: [<=60] p = 0.11841No detectable trend: 16 16 [>60] p = 0.87096[>60] p = 0.28195 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.21753[AII] p = 0.93434 4 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** PERLD1|ILMN_1805636 (non-ER binding) PERLD1|ILMN_1805636 (non-ER binding) [<=60] p = 0.10336No detectable trend: [<=60] p = 0.19593No detectable trend: 16 16 |FC|<4 or adjPval>0.01 [>60] p = 0.23932|FC|<4 or adjPval>0.01 [>60] p = 0.46128 [AII] p = 0.66188[AII] p = 4.6014e - 074 4 Raw Expression (4, 16) 12 12 10 10 ω ∞ 9 9

Raw Expression (4, 16)

Raw Expression (4, 16)

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 PERLD1|ILMN_1805636 (non-ER binding)

