PAM50 LumA: N = 721 PAM50 LumB: N = 492 FMO1|ILMN_1684401 FMO1|ILMN_1684401 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.00021721 No detectable trend: [<=60] p = 0.0039889 No detectable trend: 16 16 [>60] p = 0.0014687 [>60] p = 0.10606|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 5.1773e - 26[AII] p = 7.9446e - 084 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** FMO1|ILMN_1684401 FMO1|ILMN_1684401 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.063483No detectable trend: [<=60] p = 0.85048No detectable trend: 16 9 [>60] p = 0.33581 |FC|<4 or adjPval>0.01 [>60] p = 0.42618 |FC|<4 or adjPval>0.01 [AII] p = 0.00013607[AII] p = 0.0306954 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ω 9 9

20

40

80

60

Age at diagnosis

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 FMO1|ILMN_1684401

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

