**PAM50 LumA: N = 721 PAM50 LumB: N = 492** MAML|ILMN\_1803060 MAML|ILMN\_1803060 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.18488[<=60] p = 0.10846No detectable trend: No detectable trend: 16 16 [>60] p = 0.60717[>60] p = 0.30977|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.65353[AII] p = 0.247484 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** MAML|ILMN\_1803060 MAML|ILMN\_1803060 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.16496No detectable trend: [<=60] p = 0.69234No detectable trend: 16 9 [>60] p = 0.77157 |FC|<2 or adjPval>0.01 [>60] p = 0.85874 |FC|<2 or adjPval>0.01 [AII] p = 0.42801[AII] p = 0.0453964 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

PAM50 Normal: N = 202 MAML|ILMN\_1803060

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

