**PAM50 LumA: N = 721 PAM50 LumB: N = 492** E-Cadherin|ILMN\_1770940 (non-ER binding) E-Cadherin|ILMN\_1770940 (non-ER binding) [<=60] p = 0.27732No detectable trend: [<=60] p = 0.071227No detectable trend: 16 16 [>60] p = 0.94117 [>60] p = 0.3513 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.049157[AII] p = 0.093324 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis PAM50 Her2: N = 240 **PAM50 Basal: N = 331** E-Cadherin|ILMN\_1770940 (non-ER binding) E-Cadherin|ILMN\_1770940 (non-ER binding) [<=60] p = 0.98776No detectable trend: [<=60] p = 0.079727No detectable trend: 9 16 [>60] p = 0.76698[>60] p = 0.60262|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.19809[AII] p = 0.0987984 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

## PAM50 Normal: N = 202 E-Cadherin|ILMN\_1770940 (non-ER binding)

