**PAM50 LumA: N = 721 PAM50 LumB: N = 492** Cyclin E1|ILMN\_2384785 (non-ER binding) Cyclin E1|ILMN\_2384785 (non-ER binding) [<=60] p = 0.16363No detectable trend: [<=60] p = 0.062086No detectable trend: 16 16 [>60] p = 0.19029 [>60] p = 0.39871 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.021163[AII] p = 0.141194 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 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** Cyclin E1|ILMN\_2384785 (non-ER binding) Cyclin E1|ILMN\_2384785 (non-ER binding) [<=60] p = 0.035514No detectable trend: [<=60] p = 0.43015No detectable trend: 16 16 [>60] p = 0.47666|FC|<2 or adjPval>0.01 [>60] p = 0.72376|FC|<2 or adjPval>0.01 [AII] p = 0.056962[AII] p = 0.287994 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

## PAM50 Normal: N = 202 Cyclin E1|ILMN\_2384785 (non-ER binding)

