**PAM50 LumA: N = 721 PAM50 LumB: N = 492** CDK1/CDC2|ILMN\_1747911 (non-ER binding) CDK1/CDC2|ILMN\_1747911 (non-ER binding) [<=60] p = 1.6703e-05 No detectable trend: [<=60] p = 0.016005No detectable trend: 16 16 [>60] p = 0.15225 [>60] p = 0.064724|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 5.4442e - 07[AII] p = 0.000334364 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** CDK1/CDC2|ILMN\_1747911 (non-ER binding) CDK1/CDC2|ILMN\_1747911 (non-ER binding) [<=60] p = 0.67322No detectable trend: [<=60] p = 0.031955No detectable trend: 16 16 [>60] p = 0.90661|FC|<4 or adjPval>0.01 [>60] p = 0.81654|FC|<4 or adjPval>0.01 [AII] p = 0.053309[AII] p = 0.00868794 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 CDK1/CDC2|ILMN\_1747911 (non-ER binding)

