**PAM50 LumA: N = 721 PAM50 LumB: N = 492** PAF 15|ILMN\_2285996 (non-ER binding) PAF 15|ILMN\_2285996 (non-ER binding) [<=60] p = 0.0051183 No detectable trend: [<=60] p = 0.06661No detectable trend: 16 16 [>60] p = 0.396[>60] p = 0.25058 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.093337[AII] p = 0.00144914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 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** PAF 15|ILMN\_2285996 (non-ER binding) PAF 15|ILMN\_2285996 (non-ER binding) [<=60] p = 0.42666No detectable trend: [<=60] p = 0.61253No detectable trend: 16 16 [>60] p = 0.98772|FC|<2 or adjPval>0.01 [>60] p = 0.58648|FC|<2 or adjPval>0.01 [AII] p = 0.051411[AII] p = 0.188034 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis

## PAM50 Normal: N = 202 PAF 15|ILMN\_2285996 (non-ER binding)

