**PAM50 LumA: N = 721 PAM50 LumB: N = 492** BMPR1B|ILMN\_1801658 (non-ER binding) BMPR1B|ILMN\_1801658 (non-ER binding) [<=60] p = 0.64508No detectable trend: [<=60] p = 0.2305No detectable trend: 16 16 [>60] p = 0.00025503 [>60] p = 0.46769|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 1.6105e - 13[AII] p = 0.043494 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 Her2: N = 240 **PAM50 Basal: N = 331** BMPR1B|ILMN\_1801658 (non-ER binding) BMPR1B|ILMN\_1801658 (non-ER binding) [<=60] p = 0.75027No detectable trend: [<=60] p = 0.45435No detectable trend: 16 16 [>60] p = 0.67517 |FC|<4 or adjPval>0.01 [>60] p = 0.7089|FC|<4 or adjPval>0.01 [AII] p = 0.23293[AII] p = 0.855974 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 BMPR1B|ILMN\_1801658 (non-ER binding)

