**PAM50 LumA: N = 721 PAM50 LumB: N = 492** HIF1alpha|ILMN\_1681283 (non-ER binding) HIF1alpha|ILMN\_1681283 (non-ER binding) [<=60] p = 0.038251No detectable trend: [<=60] p = 0.50815No detectable trend: 16 16 [>60] p = 0.13115 [>60] p = 0.504|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.00013851[AII] p = 0.000513374 4 Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 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** HIF1alpha|ILMN\_1681283 (non-ER binding) HIF1alpha|ILMN\_1681283 (non-ER binding) [<=60] p = 0.22563No detectable trend: [<=60] p = 0.59226No detectable trend: 16 16 [>60] p = 0.30924|FC|<4 or adjPval>0.01 [>60] p = 0.50183 |FC|<4 or adjPval>0.01 [AII] p = 0.14325[All] p = 0.712564 4 Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9

Raw Expression (4, 16)

Raw Expression (4, 16)

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

## PAM50 Normal: N = 202 HIF1alpha|ILMN\_1681283 (non-ER binding)

