**PAM50 LumA: N = 721 PAM50 LumB: N = 492** PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.23096No detectable trend: [<=60] p = 0.10826No detectable trend: 16 16 [>60] p = 0.51768[>60] p = 0.035043|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.020836[AII] p = 0.000595744 4 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** PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.56649[<=60] p = 0.26332No detectable trend: No detectable trend: 16 16 [>60] p = 0.43525 |FC|<2 or adjPval>0.01 [>60] p = 0.65436|FC|<2 or adjPval>0.01 [AII] p = 0.045789[AII] p = 0.144794 4 Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 PIP5K1C|ILMN\_1668514 (non-ER binding)

