**PAM50 LumA: N = 721 PAM50 LumB: N = 492** KDM6B/JMJD3|ILMN\_2397521 (non-ER binding KDM6B/JMJD3|ILMN\_2397521 (non-ER binding [<=60] p = 0.049937No detectable trend: [<=60] p = 0.0081499No detectable trend: 16 16 [>60] p = 0.64773 |FC|<1.25 or adjPval>0.01 [>60] p = 0.1889 |FC|<1.25 or adjPval>0.01 [AII] p = 0.054629[AII] p = 0.0572524 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** KDM6B/JMJD3|ILMN\_2397521 (non-ER binding KDM6B/JMJD3|ILMN\_2397521 (non-ER binding [<=60] p = 0.051816No detectable trend: [<=60] p = 0.30845No detectable trend: 16 16 [>60] p = 0.30901 [>60] p = 0.47225|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.62834[All] p = 0.575284 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

## PAM50 Normal: N = 202 KDM6B/JMJD3|ILMN\_2397521 (non-ER binding

