**PAM50 LumA: N = 721 PAM50 LumB: N = 492** PYDC1/ASC2|ILMN\_1694823 (non-ER binding) PYDC1/ASC2|ILMN\_1694823 (non-ER binding) [<=60] p = 0.1156No detectable trend: [<=60] p = 0.31846No detectable trend: 16 16 [>60] p = 0.56376[>60] p = 0.43146|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.57693[AII] p = 0.292524 4 Raw Expression (4, 16) 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** PYDC1/ASC2|ILMN\_1694823 (non-ER binding) PYDC1/ASC2|ILMN\_1694823 (non-ER binding) [<=60] p = 0.97648No detectable trend: [<=60] p = 0.47112No detectable trend: 16 16 [>60] p = 0.93897 |FC|<2 or adjPval>0.01 [>60] p = 0.064567|FC|<2 or adjPval>0.01 [AII] p = 0.46935[All] p = 0.136254 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 Normal: N = 202 PYDC1/ASC2|ILMN\_1694823 (non-ER binding)

