**PAM50 LumA: N = 721 PAM50 LumB: N = 492** WHSC1/MMSET|ILMN\_1705483 (non-ER binding WHSC1/MMSET|ILMN\_1705483 (non-ER binding [<=60] p = 0.24056No detectable trend: [<=60] p = 0.97875No detectable trend: 16 16 [>60] p = 0.12585 [>60] p = 0.025418 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.88351[AII] p = 0.488894 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 60 20 40 60 80 100 20 40 80 100 Age at diagnosis Age at diagnosis PAM50 Her2: N = 240 **PAM50 Basal: N = 331** WHSC1/MMSET|ILMN\_1705483 (non-ER binding WHSC1/MMSET|ILMN\_1705483 (non-ER binding [<=60] p = 0.89227No detectable trend: [<=60] p = 0.93806No detectable trend: 16 16 [>60] p = 0.37863|FC|<2 or adjPval>0.01 [>60] p = 0.27654 |FC|<2 or adjPval>0.01 [All] p = 0.54182[AII] p = 0.809634 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 WHSC1/MMSET|ILMN\_1705483 (non-ER bindin

