ER+/HER2-: N = 1408ER+/HER2+: N = 110STAT3|ILMN\_2410986 (non-ER binding) STAT3|ILMN\_2410986 (non-ER binding) [<=60] p = 0.96726No detectable trend: [<=60] p = 0.87734No detectable trend: 16 16 [>60] p = 0.033902 [>60] p = 0.51832 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.15074[AII] p = 0.114534 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis ER-/HER2+: N = 139ER-/HER2-: N = 335STAT3|ILMN\_2410986 (non-ER binding) STAT3|ILMN\_2410986 (non-ER binding) [<=60] p = 0.70551[<=60] p = 0.82315No detectable trend: No detectable trend: 16 16 [>60] p = 0.92898|FC|<4 or adjPval>0.01 [>60] p = 0.07089|FC|<4 or adjPval>0.01 [AII] p = 0.066481[AII] p = 0.434934 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis