PAM50 LumA: N = 721 PAM50 LumB: N = 492 WHSC1/MMSET|ILMN_1766112 (non-ER binding WHSC1/MMSET|ILMN_1766112 (non-ER binding [<=60] p = 0.25028No detectable trend: [<=60] p = 0.95581No detectable trend: 16 16 [>60] p = 0.61393 [>60] p = 0.89311 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.40905[AII] p = 0.667224 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 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** WHSC1/MMSET|ILMN_1766112 (non-ER binding WHSC1/MMSET|ILMN_1766112 (non-ER binding [<=60] p = 0.15414[<=60] p = 0.9679No detectable trend: No detectable trend: 16 16 [>60] p = 0.37181 |FC|<1.25 or adjPval>0.01 [>60] p = 0.72689 |FC|<1.25 or adjPval>0.01 [All] p = 0.14591[AII] p = 0.464434 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ∞ 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_1766112 (non-ER bindin

