iClust 1: N = 140 iClust 2: N = 72 WHSC1/MMSET|ILMN_1651567 (non-ER binding WHSC1/MMSET|ILMN_1651567 (non-ER binding [<=60] p = 0.6572 No detectable trend: [<=60] p = 0.50602No detectable trend: 16 16 [>60] p = 0.22118 |FC|<1.25 or adjPval>0.01 [>60] p = 0.98009 |FC|<1.25 or adjPval>0.01 [AII] p = 0.81356[AII] p = 0.757074 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 iClust 3: N = 294 iClust 4: N = 344 WHSC1/MMSET|ILMN_1651567 (non-ER binding WHSC1/MMSET|ILMN_1651567 (non-ER binding [<=60] p = 0.72333No detectable trend: [<=60] p = 0.77361No detectable trend: 16 16 [>60] p = 0.76102|FC|<1.25 or adjPval>0.01 [>60] p = 0.8256 |FC|<1.25 or adjPval>0.01 [AII] p = 0.28781[All] p = 0.881574 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

iClust 5: N = 191 iClust 6: N = 86 WHSC1/MMSET|ILMN_1651567 (non-ER binding WHSC1/MMSET|ILMN_1651567 (non-ER binding [<=60] p = 0.10542No detectable trend: [<=60] p = 0.99651No detectable trend: 16 16 [>60] p = 0.87281 [>60] p = 0.542|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.098928[AII] p = 0.612774 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 WHSC1/MMSET|ILMN_1651567 (non-ER binding WHSC1/MMSET|ILMN_1651567 (non-ER binding [<=60] p = 0.86093No detectable trend: [<=60] p = 0.60969No detectable trend: 16 16 [>60] p = 0.89219 [>60] p = 0.67495|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.63146[All] p = 0.555554 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

iClust 9: N = 146 WHSC1/MMSET|ILMN_1651567 (non-ER binding

iClust 10: N = 226 WHSC1/MMSET|ILMN_1651567 (non-ER binding

