iClust 1: N = 140 iClust 2: N = 72 WHSC1/MMSET|ILMN_2334112 (non-ER binding WHSC1/MMSET|ILMN_2334112 (non-ER binding [<=60] p = 0.23839 No detectable trend: [<=60] p = 0.12584No detectable trend: 16 16 [>60] p = 0.3283|FC|<1.25 or adjPval>0.01 [>60] p = 0.12089 |FC|<1.25 or adjPval>0.01 [AII] p = 0.34914[AII] p = 0.190994 4 Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 4: N = 344 iClust 3: N = 294 WHSC1/MMSET|ILMN_2334112 (non-ER binding WHSC1/MMSET|ILMN_2334112 (non-ER binding [<=60] p = 0.88775No detectable trend: [<=60] p = 0.85482No detectable trend: 16 16 [>60] p = 0.72114 |FC|<1.25 or adjPval>0.01 [>60] p = 0.42389 |FC|<1.25 or adjPval>0.01 [AII] p = 0.38203[AII] p = 0.0919244 4 Raw Expression (4, 16) 12 12 10 10 ω 9 9

Raw Expression (4, 16)

Raw Expression (4, 16)

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 WHSC1/MMSET|ILMN_2334112 (non-ER binding WHSC1/MMSET|ILMN_2334112 (non-ER binding [<=60] p = 0.49756No detectable trend: [<=60] p = 0.94865No detectable trend: 16 16 [>60] p = 0.85778|FC|<1.25 or adjPval>0.01 [>60] p = 0.18924 |FC|<1.25 or adjPval>0.01 [AII] p = 0.26774[AII] p = 0.0916364 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 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_2334112 (non-ER binding WHSC1/MMSET|ILMN_2334112 (non-ER binding [<=60] p = 0.40207No detectable trend: [<=60] p = 0.49798No detectable trend: 16 16 [>60] p = 0.36013|FC|<1.25 or adjPval>0.01 [>60] p = 0.80139 |FC|<1.25 or adjPval>0.01 [All] p = 0.98117[AII] p = 0.299774 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_2334112 (non-ER binding

iClust 10: N = 226 WHSC1/MMSET|ILMN_2334112 (non-ER binding

