iClust 1: N = 140 iClust 2: N = 72 CCPG1|ILMN_1794190 (non-ER binding) CCPG1|ILMN_1794190 (non-ER binding) [<=60] p = 0.2227 No detectable trend: [<=60] p = 0.13582No detectable trend: 16 16 [>60] p = 0.60414 [>60] p = 0.88638|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.1045[AII] p = 0.179314 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 3: N = 294 iClust 4: N = 344 CCPG1|ILMN_1794190 (non-ER binding) CCPG1|ILMN_1794190 (non-ER binding) [<=60] p = 0.0043492No detectable trend: [<=60] p = 0.018975No detectable trend: 16 16 [>60] p = 0.60646[>60] p = 0.52132 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.018694[AII] p = 1.6632e - 074 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 5: N = 191 iClust 6: N = 86 CCPG1|ILMN_1794190 (non-ER binding) CCPG1|ILMN_1794190 (non-ER binding) [<=60] p = 0.69738No detectable trend: [<=60] p = 0.41524No detectable trend: 16 16 [>60] p = 0.56598[>60] p = 0.32427|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.28219[AII] p = 0.422214 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 CCPG1|ILMN_1794190 (non-ER binding) CCPG1|ILMN_1794190 (non-ER binding) [<=60] p = 0.22305No detectable trend: [<=60] p = 0.08573No detectable trend: 16 16 [>60] p = 0.97239|FC|<1.25 or adjPval>0.01 [>60] p = 0.50186|FC|<1.25 or adjPval>0.01 [AII] p = 0.062375[AII] p = 0.00506324 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 9: N = 146 CCPG1|ILMN_1794190 (non-ER binding)

iClust 10: N = 226 CCPG1|ILMN_1794190 (non-ER binding)

