iClust 1: N = 140 iClust 2: N = 72 EU176796|ILMN\_1694147 (non-ER binding) EU176796|ILMN\_1694147 (non-ER binding) [<=60] p = 0.43549No detectable trend: [<=60] p = 0.33435No detectable trend: 16 16 [>60] p = 0.25278 [>60] p = 0.002229 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.59653[AII] p = 0.0315874 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 EU176796|ILMN\_1694147 (non-ER binding) EU176796|ILMN\_1694147 (non-ER binding) [<=60] p = 0.5767No detectable trend: [<=60] p = 0.70638No detectable trend: 16 16 [>60] p = 0.1391 |FC|<2 or adjPval>0.01 [>60] p = 0.60618|FC|<2 or adjPval>0.01 [AII] p = 0.06484[All] p = 0.749524 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 EU176796|ILMN\_1694147 (non-ER binding) EU176796|ILMN\_1694147 (non-ER binding) [<=60] p = 0.03017No detectable trend: [<=60] p = 0.84881No detectable trend: 16 16 [>60] p = 0.020111 [>60] p = 0.19793 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 7.9395e - 07[AII] p = 0.106644 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 EU176796|ILMN\_1694147 (non-ER binding) EU176796|ILMN\_1694147 (non-ER binding) [<=60] p = 0.79753[<=60] p = 0.36918No detectable trend: No detectable trend: 16 16 [>60] p = 0.88678|FC|<2 or adjPval>0.01 [>60] p = 0.2679 |FC|<2 or adjPval>0.01 [All] p = 0.5949[All] p = 0.234524 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 EU176796|ILMN\_1694147 (non-ER binding)

iClust 10: N = 226 EU176796|ILMN\_1694147 (non-ER binding)

