iClust 1: N = 140 iClust 2: N = 72 RAD51C|ILMN_1695386 (non-ER binding) RAD51C|ILMN_1695386 (non-ER binding) [<=60] p = 0.028875No detectable trend: [<=60] p = 0.088534No detectable trend: 16 16 [>60] p = 0.63816[>60] p = 0.31243 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.076992[AII] p = 0.379014 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 RAD51C|ILMN_1695386 (non-ER binding) RAD51C|ILMN_1695386 (non-ER binding) [<=60] p = 0.75659No detectable trend: [<=60] p = 0.94154No detectable trend: 16 16 [>60] p = 0.65892|FC|<1.25 or adjPval>0.01 [>60] p = 0.70672|FC|<1.25 or adjPval>0.01 [AII] p = 0.074056[AII] p = 0.467824 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 RAD51C|ILMN_1695386 (non-ER binding) RAD51C|ILMN_1695386 (non-ER binding) [<=60] p = 0.25458No detectable trend: [<=60] p = 0.24263No detectable trend: 16 16 [>60] p = 0.51386 [>60] p = 0.36177 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.037788[AII] p = 0.00863784 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 7: N = 193 iClust 8: N = 300 RAD51C|ILMN_1695386 (non-ER binding) RAD51C|ILMN_1695386 (non-ER binding) [<=60] p = 0.18668No detectable trend: [<=60] p = 0.25286No detectable trend: 16 16 [>60] p = 0.40289 |FC|<1.25 or adjPval>0.01 [>60] p = 0.88168|FC|<1.25 or adjPval>0.01 [AII] p = 0.81997[All] p = 0.0253334 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 RAD51C|ILMN_1695386 (non-ER binding)

iClust 10: N = 226 RAD51C|ILMN_1695386 (non-ER binding)

