iClust 1: N = 140 iClust 2: N = 72 RAD51C|ILMN_2238928 (non-ER binding) RAD51C|ILMN_2238928 (non-ER binding) [<=60] p = 0.072985No detectable trend: [<=60] p = 0.90108No detectable trend: 16 16 [>60] p = 0.71378 [>60] p = 0.40958|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.31603[AII] p = 0.404824 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_2238928 (non-ER binding) RAD51C|ILMN_2238928 (non-ER binding) [<=60] p = 0.69888No detectable trend: [<=60] p = 0.79942No detectable trend: 16 16 [>60] p = 0.55957 |FC|<2 or adjPval>0.01 [>60] p = 0.23372|FC|<2 or adjPval>0.01 [AII] p = 0.010359[AII] p = 0.773914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 RAD51C|ILMN_2238928 (non-ER binding) RAD51C|ILMN_2238928 (non-ER binding) [<=60] p = 0.87951 No detectable trend: [<=60] p = 0.13918No detectable trend: 16 16 [>60] p = 0.32745[>60] p = 0.21459 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [All] p = 0.12419[AII] p = 0.0128744 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 RAD51C|ILMN_2238928 (non-ER binding) RAD51C|ILMN_2238928 (non-ER binding) [<=60] p = 0.61872No detectable trend: [<=60] p = 0.42705No detectable trend: 16 16 [>60] p = 0.42688|FC|<2 or adjPval>0.01 [>60] p = 0.36591 |FC|<2 or adjPval>0.01 [AII] p = 0.66059[AII] p = 0.385864 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 RAD51C|ILMN_2238928 (non-ER binding)

iClust 10: N = 226 RAD51C|ILMN_2238928 (non-ER binding)

