iClust 1: N = 140 iClust 2: N = 72 RAD51|ILMN_2363027 (non-ER binding) RAD51|ILMN_2363027 (non-ER binding) [<=60] p = 0.39913No detectable trend: [<=60] p = 0.54076No detectable trend: 16 16 [>60] p = 0.84775 [>60] p = 0.049588|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.1859[AII] p = 0.724054 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 RAD51|ILMN_2363027 (non-ER binding) RAD51|ILMN_2363027 (non-ER binding) [<=60] p = 0.8261[<=60] p = 0.18902No detectable trend: No detectable trend: 16 16 [>60] p = 0.38255|FC|<1.25 or adjPval>0.01 [>60] p = 0.18108 |FC|<1.25 or adjPval>0.01 [All] p = 0.62556[All] p = 0.345844 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 RAD51|ILMN_2363027 (non-ER binding) RAD51|ILMN_2363027 (non-ER binding) [<=60] p = 0.77434No detectable trend: [<=60] p = 0.71691No detectable trend: 16 16 [>60] p = 0.31706[>60] p = 0.63112 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.12739[AII] p = 0.125394 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 RAD51|ILMN_2363027 (non-ER binding) RAD51|ILMN_2363027 (non-ER binding) [<=60] p = 0.21875No detectable trend: [<=60] p = 0.2706No detectable trend: 16 16 [>60] p = 0.81307 |FC|<1.25 or adjPval>0.01 [>60] p = 0.93215 |FC|<1.25 or adjPval>0.01 [AII] p = 0.082877[AII] p = 0.840064 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 RAD51|ILMN_2363027 (non-ER binding)

iClust 10: N = 226 RAD51|ILMN_2363027 (non-ER binding)

