iClust 1: N = 140 iClust 2: N = 72 PCGF4/BMI1|ILMN_1700915 (non-ER binding) PCGF4/BMI1|ILMN_1700915 (non-ER binding) [<=60] p = 0.4379No detectable trend: [<=60] p = 0.68692No detectable trend: 16 16 [>60] p = 0.65816 |FC|<4 or adjPval>0.01 [>60] p = 0.0028485 |FC|<4 or adjPval>0.01 [AII] p = 0.41458[AII] p = 0.0530094 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 PCGF4/BMI1|ILMN_1700915 (non-ER binding) PCGF4/BMI1|ILMN_1700915 (non-ER binding) [<=60] p = 0.37279No detectable trend: [<=60] p = 0.80361No detectable trend: 16 16 [>60] p = 0.81707[>60] p = 0.56007|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.8822[AII] p = 0.31144 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 PCGF4/BMI1|ILMN_1700915 (non-ER binding) PCGF4/BMI1|ILMN_1700915 (non-ER binding) [<=60] p = 0.00082197 No detectable trend: [<=60] p = 0.56199No detectable trend: 16 16 [>60] p = 0.8299[>60] p = 0.75384|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.055964[AII] p = 0.000113614 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 PCGF4/BMI1|ILMN_1700915 (non-ER binding) PCGF4/BMI1|ILMN_1700915 (non-ER binding) [<=60] p = 0.52123No detectable trend: [<=60] p = 0.67327No detectable trend: 16 16 [>60] p = 0.44563[>60] p = 0.83384|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.37561[All] p = 0.467524 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 PCGF4/BMI1|ILMN_1700915 (non-ER binding)

iClust 10: N = 226 PCGF4/BMI1|ILMN_1700915 (non-ER binding)

