iClust 1: N = 140 iClust 2: N = 72 MMP7|ILMN_1685403 (non-ER binding) MMP7|ILMN_1685403 (non-ER binding) [<=60] p = 0.040731No detectable trend: [<=60] p = 0.14256No detectable trend: 16 16 [>60] p = 0.5267[>60] p = 0.080987|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.12461[AII] p = 0.269244 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 MMP7|ILMN_1685403 (non-ER binding) MMP7|ILMN_1685403 (non-ER binding) [<=60] p = 0.59721No detectable trend: [<=60] p = 0.035562No detectable trend: 16 16 [>60] p = 0.13585|FC|<2 or adjPval>0.01 [>60] p = 0.0021196 |FC|<2 or adjPval>0.01 [AII] p = 0.0011293[AII] p = 1.5027e - 054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 MMP7|ILMN_1685403 (non-ER binding) MMP7|ILMN_1685403 (non-ER binding) [<=60] p = 0.52346No detectable trend: [<=60] p = 0.85941No detectable trend: 16 16 [>60] p = 0.91705 [>60] p = 0.88153 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.87564[AII] p = 0.00912464 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 MMP7|ILMN_1685403 (non-ER binding) MMP7|ILMN_1685403 (non-ER binding) [<=60] p = 0.50865No detectable trend: [<=60] p = 0.1521 No detectable trend: 16 16 [>60] p = 0.08675|FC|<2 or adjPval>0.01 [>60] p = 0.0011621 |FC|<2 or adjPval>0.01 [AII] p = 0.012769[AII] p = 2.4071e-054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 MMP7|ILMN_1685403 (non-ER binding)

iClust 10: N = 226 MMP7|ILMN_1685403 (non-ER binding)

