iClust 1: N = 140 iClust 2: N = 72 P-Cadherin|ILMN_1704294 (ER binding) P-Cadherin|ILMN_1704294 (ER binding) [<=60] p = 0.3283No detectable trend: [<=60] p = 0.48249No detectable trend: 16 16 [>60] p = 0.52441 [>60] p = 0.0083052 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.26988[AII] p = 0.167244 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 P-Cadherin|ILMN_1704294 (ER binding) P-Cadherin|ILMN_1704294 (ER binding) [<=60] p = 0.40792No detectable trend: [<=60] p = 0.17926No detectable trend: 16 16 [>60] p = 0.023288 |FC|<4 or adjPval>0.01 [>60] p = 0.022471|FC|<4 or adjPval>0.01 [AII] p = 0.00010669[AII] p = 2.501e-064 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 P-Cadherin|ILMN_1704294 (ER binding) P-Cadherin|ILMN_1704294 (ER binding) [<=60] p = 0.085463No detectable trend: [<=60] p = 0.49206No detectable trend: 16 16 [>60] p = 0.31227 [>60] p = 0.79918 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.05448[AII] p = 0.439454 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 P-Cadherin|ILMN_1704294 (ER binding) P-Cadherin|ILMN_1704294 (ER binding) [<=60] p = 0.074039No detectable trend: [<=60] p = 0.19441No detectable trend: 16 16 [>60] p = 0.91743|FC|<4 or adjPval>0.01 [>60] p = 0.05133|FC|<4 or adjPval>0.01 [AII] p = 0.095299[AII] p = 3.7371e-084 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 P-Cadherin|ILMN_1704294 (ER binding)

iClust 10: N = 226 P-Cadherin|ILMN_1704294 (ER binding)

