iClust 1: N = 140 iClust 2: N = 72 FoxC1|ILMN_1738401 (ER binding) FoxC1|ILMN_1738401 (ER binding) [<=60] p = 0.21336No detectable trend: [<=60] p = 0.63879No detectable trend: 16 16 [>60] p = 0.17547 [>60] p = 0.62806|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.041851[AII] p = 0.751224 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 FoxC1|ILMN_1738401 (ER binding) FoxC1|ILMN_1738401 (ER binding) Age-dependent trend: [<=60] p = 0.10894No detectable trend: [<=60] p = 0.2830716 16 [>60] p = 0.19662|FC|<2 or adjPval>0.01 [>60] p = 0.084656|FC|>2 and adjPval<0.01 [AII] p = 0.94719[AII] p = 4.2337e - 054 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 FoxC1|ILMN_1738401 (ER binding) FoxC1|ILMN_1738401 (ER binding) [<=60] p = 0.65439 No detectable trend: [<=60] p = 0.060851No detectable trend: 16 16 [>60] p = 0.44444 [>60] p = 0.7947|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.41385[AII] p = 0.361034 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 FoxC1|ILMN_1738401 (ER binding) FoxC1|ILMN_1738401 (ER binding) [<=60] p = 0.3446No detectable trend: [<=60] p = 0.098855No detectable trend: 16 16 [>60] p = 0.13093|FC|<2 or adjPval>0.01 [>60] p = 0.12001 |FC|<2 or adjPval>0.01 [AII] p = 0.015853[AII] p = 0.296764 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

iClust 10: N = 226 FoxC1|ILMN_1738401 (ER binding) FoxC1|ILMN_1738401 (ER binding)

