iClust 1: N = 140 iClust 2: N = 72 FOXD2|ILMN_1789400 (non-ER binding) FOXD2|ILMN_1789400 (non-ER binding) [<=60] p = 0.24761 No detectable trend: [<=60] p = 0.026336No detectable trend: 16 16 [>60] p = 0.090846[>60] p = 0.019086|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.086275[AII] p = 0.321924 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 FOXD2|ILMN_1789400 (non-ER binding) FOXD2|ILMN_1789400 (non-ER binding) [<=60] p = 0.00014064[<=60] p = 0.26578No detectable trend: No detectable trend: 16 16 [>60] p = 0.0096541 |FC|<4 or adjPval>0.01 [>60] p = 0.36034|FC|<4 or adjPval>0.01 [AII] p = 1.1811e-11[AII] p = 6.342e - 064 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 FOXD2|ILMN_1789400 (non-ER binding) FOXD2|ILMN_1789400 (non-ER binding) [<=60] p = 0.75973No detectable trend: [<=60] p = 0.95366No detectable trend: 16 16 [>60] p = 0.25464[>60] p = 0.10219 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.0046922[AII] p = 0.00344244 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 FOXD2|ILMN_1789400 (non-ER binding) FOXD2|ILMN_1789400 (non-ER binding) [<=60] p = 0.026275No detectable trend: [<=60] p = 0.0041603No detectable trend: 16 16 [>60] p = 0.12553 |FC|<4 or adjPval>0.01 [>60] p = 0.95095|FC|<4 or adjPval>0.01 [AII] p = 7.3828e - 06[AII] p = 4.2782e - 104 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ∞ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 FOXD2|ILMN_1789400 (non-ER binding)

iClust 10: N = 226 FOXD2|ILMN_1789400 (non-ER binding)

