iClust 1: N = 140 iClust 2: N = 72 PYDC1/ASC2|ILMN_1694823 (non-ER binding) PYDC1/ASC2|ILMN_1694823 (non-ER binding) [<=60] p = 0.71746No detectable trend: [<=60] p = 0.29018No detectable trend: 16 16 [>60] p = 0.27628 [>60] p = 0.15967 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.74116[AII] p = 0.372594 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 PYDC1/ASC2|ILMN_1694823 (non-ER binding) PYDC1/ASC2|ILMN_1694823 (non-ER binding) [<=60] p = 0.65464No detectable trend: [<=60] p = 0.79926No detectable trend: 16 16 [>60] p = 0.68364|FC|<4 or adjPval>0.01 [>60] p = 0.85684 |FC|<4 or adjPval>0.01 [AII] p = 0.5831[All] p = 0.0535314 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 PYDC1/ASC2|ILMN_1694823 (non-ER binding) PYDC1/ASC2|ILMN_1694823 (non-ER binding) [<=60] p = 0.82892No detectable trend: [<=60] p = 0.83112No detectable trend: 16 16 [>60] p = 0.19469[>60] p = 0.16079 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.44564[AII] p = 0.335724 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 PYDC1/ASC2|ILMN_1694823 (non-ER binding) PYDC1/ASC2|ILMN_1694823 (non-ER binding) [<=60] p = 0.079297No detectable trend: [<=60] p = 0.039425No detectable trend: 16 16 [>60] p = 0.070201 |FC|<4 or adjPval>0.01 [>60] p = 0.27531 |FC|<4 or adjPval>0.01 [AII] p = 0.74066[AII] p = 0.648224 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 PYDC1/ASC2|ILMN_1694823 (non-ER binding)

iClust 10: N = 226 PYDC1/ASC2|ILMN_1694823 (non-ER binding)

