iClust 1: N = 140 iClust 2: N = 72 C2orf55|ILMN_1776121 (ER binding) C2orf55|ILMN_1776121 (ER binding) [<=60] p = 0.073747No detectable trend: [<=60] p = 0.018125No detectable trend: 16 16 [>60] p = 0.50461 [>60] p = 0.027496|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.00063789[AII] p = 0.00857474 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 C2orf55|ILMN_1776121 (ER binding) C2orf55|ILMN_1776121 (ER binding) [<=60] p = 0.14247[<=60] p = 0.036895No detectable trend: No detectable trend: 16 16 [>60] p = 0.0086429 |FC|<4 or adjPval>0.01 [>60] p = 0.026098 |FC|<4 or adjPval>0.01 [AII] p = 1.5822e - 08[AII] p = 1.2736e - 094 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 C2orf55|ILMN_1776121 (ER binding) C2orf55|ILMN_1776121 (ER binding) [<=60] p = 0.31815No detectable trend: [<=60] p = 0.98155No detectable trend: 16 16 [>60] p = 0.6715 [>60] p = 0.47177 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.59643[AII] p = 0.195754 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 C2orf55|ILMN_1776121 (ER binding) C2orf55|ILMN_1776121 (ER binding) [<=60] p = 0.23853No detectable trend: [<=60] p = 0.013365No detectable trend: 16 16 [>60] p = 0.12299|FC|<4 or adjPval>0.01 [>60] p = 0.38277 |FC|<4 or adjPval>0.01 [AII] p = 0.0052069[AII] p = 0.0058544 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 C2orf55|ILMN_1776121 (ER binding)

iClust 10: N = 226 C2orf55|ILMN_1776121 (ER binding)

