iClust 1: N = 140 iClust 2: N = 72 LAMC2|ILMN_1701424 (ER binding) LAMC2|ILMN_1701424 (ER binding) [<=60] p = 0.10763No detectable trend: [<=60] p = 0.13391No detectable trend: 16 16 [>60] p = 0.10267 |FC|<2 or adjPval>0.01 [>60] p = 0.71373 |FC|<2 or adjPval>0.01 [AII] p = 0.0042717[AII] p = 0.661494 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 LAMC2|ILMN_1701424 (ER binding) LAMC2|ILMN_1701424 (ER binding) [<=60] p = 0.37758[<=60] p = 0.071543No detectable trend: No detectable trend: 16 16 [>60] p = 0.014371 |FC|<2 or adjPval>0.01 [>60] p = 0.042068 |FC|<2 or adjPval>0.01 [AII] p = 9.9568e - 09[AII] p = 8.9501e-074 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 LAMC2|ILMN_1701424 (ER binding) LAMC2|ILMN_1701424 (ER binding) [<=60] p = 0.61193 No detectable trend: [<=60] p = 0.012069No detectable trend: 16 16 [>60] p = 0.5894[>60] p = 0.058183 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.10412[AII] p = 0.00172344 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 LAMC2|ILMN_1701424 (ER binding) LAMC2|ILMN_1701424 (ER binding) [<=60] p = 0.027487[<=60] p = 0.034068No detectable trend: No detectable trend: 16 16 [>60] p = 0.25157 |FC|<2 or adjPval>0.01 [>60] p = 0.26653 |FC|<2 or adjPval>0.01 [AII] p = 0.00069887[All] p = 4.3713e-114 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 LAMC2|ILMN_1701424 (ER binding)

iClust 10: N = 226 LAMC2|ILMN_1701424 (ER binding)

