iClust 1: N = 140 iClust 2: N = 72 MATN2|ILMN\_1694840 (ER binding) MATN2|ILMN\_1694840 (ER binding) [<=60] p = 0.34345No detectable trend: [<=60] p = 0.15822No detectable trend: 16 16 [>60] p = 0.095429 [>60] p = 0.5611 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.0054912[AII] p = 0.136574 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 MATN2|ILMN\_1694840 (ER binding) MATN2|ILMN\_1694840 (ER binding) [<=60] p = 0.19965No detectable trend: [<=60] p = 0.53465No detectable trend: 16 16 [>60] p = 0.17085 |FC|<2 or adjPval>0.01 [>60] p = 0.00092795 |FC|<2 or adjPval>0.01 [AII] p = 0.020553[AII] p = 8.206e-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 MATN2|ILMN\_1694840 (ER binding) MATN2|ILMN\_1694840 (ER binding) [<=60] p = 0.039743No detectable trend: [<=60] p = 0.84073No detectable trend: 16 16 [>60] p = 0.39814[>60] p = 0.060449|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.047772[AII] p = 0.994644 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 7: N = 193 iClust 8: N = 300 MATN2|ILMN\_1694840 (ER binding) MATN2|ILMN\_1694840 (ER binding) [<=60] p = 0.36416No detectable trend: [<=60] p = 0.69235No detectable trend: 16 16 [>60] p = 0.0023972 |FC|<2 or adjPval>0.01 [>60] p = 0.046836|FC|<2 or adjPval>0.01 [AII] p = 0.017695[AII] p = 0.0176474 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 MATN2|ILMN\_1694840 (ER binding)

iClust 10: N = 226 MATN2|ILMN\_1694840 (ER binding)

