

TCGA BrCa Female Cases Age Dependent Fisher Exact Tests on ER binding

April 16, 2018

FET Tables by ER/HER2 status

All Female Cases, n = 1079, FDR = 0.05

Table 1: FET Table All Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	512	1166	1678
Column(%)	12.68%	7.82%	
Not ER binding			
N	3525	13747	17272
Column(%)	87.32%	92.18%	
Total	4037	14913	18950
	21.3%	78.7%	

Table 2: FET Statistics All Female Cases, FDR = 0.05

Statistics	Value
p.value	2.014e-20
conf.int	[1.53, 1.914]
estimate	1.712
null.value	1
alternative	two.sided

ER+/HER2- Female Cases, n = 538, FDR = 0.05

Table 3: FET Table ER+/HER2- Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	375	1303	1678
Column(%)	11.86%	8.25%	
Not ER binding			
N	2788	14484	17272
Column(%)	88.14%	91.75%	
Total	3163	15787	18950
	16.69%	83.31%	

Table 4: FET Statistics ER+/HER2- Female Cases, FDR = 0.05

Statistics	Value
p.value	3.161e-10
conf.int	[1.32, 1.691]
estimate	1.495
null.value	1
alternative	two.sided

ER+/HER2+ Female Cases, n = 134, FDR = 0.05

Table 5: FET Table ER+/HER2+ Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	18	1660	1678
Column(%)	13.04%	8.82%	
Not ER binding			
N	120	17152	17272
Column(%)	86.96%	91.18%	
Total	138	18812	18950
	0.73%	99.27%	

Table 6: FET Statistics ER+/HER2+ Female Cases, FDR = 0.05

Statistics	Value
p.value	0.09577
conf.int	[0.886, 2.564]
estimate	1.55
null.value	1
alternative	two.sided

ER-/HER2+ Female Cases, n = 43, FDR = 0.05

Table 7: FET Table ER-/HER2+ Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 8: FET Statistics ER-/HER2+ Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

ER-/HER2- Female Cases, n = 155, FDR = 0.05

Table 9: FET Table ER-/HER2- Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 10: FET Statistics ER-/HER2- Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

All Female Cases, n = 1079, FDR = 0.01

Table 11: FET Table All Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	397	1281	1678
Column(%)	12.47%	8.13%	
Not ER binding			
N	2787	14485	17272
Column(%)	87.53%	91.87%	
Total	3184	15766	18950
	16.8%	83.2%	

Table 12: FET Statistics All Female Cases, FDR = 0.01

Statistics	Value
p.value	4.248e-14
conf.int	[1.425, 1.817]
estimate	1.611
null.value	1
alternative	two.sided

ER+/HER2- Female Cases, n = 538, FDR = 0.01

Table 13: FET Table ER+/HER2- Female Cases, FDR = 0.01

ER binding	Age association		Total
	Age associated	Not age associated	
ER binding			
N	252	1426	1678
Column(%)	12.98%	8.38%	
Not ER binding			
N	1689	15583	17272
Column(%)	87.02%	91.62%	
Total	1941	17009	18950
	10.24%	89.76%	

Table 14: FET Statistics ER+/HER2- Female Cases, FDR = 0.01

Statistics	Value
p.value	1.568e-10
conf.int	[1.407, 1.883]
estimate	1.63
null.value	1
alternative	two.sided

ER+/HER2+ Female Cases, n = 134, FDR = 0.01

Table 15: FET Table ER+/HER2+ Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	2	1676	1678
Column(%)	18.18%	8.85%	
Not ER binding			
N	9	17263	17272
Column(%)	81.82%	91.15%	
Total	11	18939	18950
	0.06%	99.94%	

Table 16: FET Statistics ER+/HER2+ Female Cases, FDR = 0.01

Statistics	Value
p.value	0.254
conf.int	[0.2405, 11.07]
estimate	2.289
null.value	1
alternative	two.sided

ER-/HER2+ Female Cases, n = 43, FDR = 0.01

Table 17: FET Table ER-/HER2+ Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 18: FET Statistics ER-/HER2+ Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

ER-/HER2- Female Cases, n = 155, FDR = 0.01

Table 19: FET Table ER-/HER2- Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 20: FET Statistics ER-/HER2- Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

FET Tables by IntClust subgroups

IntClust1 Female Cases, n = 75, FDR = 0.05

Table 21: FET Table IntClust1 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Column(%)	0.00%	8.86%	
Not ER binding			
N	11	17261	17272
Column(%)	100.00%	91.14%	
Total	11	18939	18950
	0.06%	99.94%	

Table 22: FET Statistics IntClust1 Female Cases, FDR = 0.05

Statistics	Value
p.value	0.6145
conf.int	[0, 4.103]
estimate	0
null.value	1
alternative	two.sided

IntClust2 Female Cases, n = 38, FDR = 0.05

Table 23: FET Table IntClust2 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 24: FET Statistics IntClust2 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust3 Female Cases, n = 181, FDR = 0.05

Table 25: FET Table IntClust3 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	94	1584	1678
Column(%)	14.35%	8.66%	
Not ER binding			
N	561	16711	17272
Column(%)	85.65%	91.34%	
Total	655	18295	18950
	3.46%	96.54%	

Table 26: FET Statistics IntClust3 Female Cases, FDR = 0.05

Statistics	Value
p.value	2.406e-06
conf.int	[1.397, 2.217]
estimate	1.768
null.value	1
alternative	two.sided

IntClust4 Female Cases, n = 165, FDR = 0.05

Table 27: FET Table IntClust4 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	13	1665	1678
Column(%)	18.57%	8.82%	
Not ER binding			
N	57	17215	17272
Column(%)	81.43%	91.18%	
Total	70	18880	18950
	0.37%	99.63%	

Table 28: FET Statistics IntClust4 Female Cases, FDR = 0.05

Statistics	Value
p.value	0.009343
conf.int	[1.182, 4.371]
estimate	2.358
null.value	1
alternative	two.sided

IntClust5 Female Cases, n = 84, FDR = 0.05

Table 29: FET Table IntClust5 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Column(%)	0.00%	8.86%	
Not ER binding			
N	2	17270	17272
Column(%)	100.00%	91.14%	
Total	2	18948	18950
	0.01%	99.99%	

Table 30: FET Statistics IntClust5 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, 54.85]
estimate	0
null.value	1
alternative	two.sided

IntClust6 Female Cases, n = 60, FDR = 0.05

Table 31: FET Table IntClust6 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 32: FET Statistics IntClust6 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust7 Female Cases, n = 100, FDR = 0.05

Table 33: FET Table IntClust7 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Column(%)	0.00%	8.86%	
Not ER binding			
N	4	17268	17272
Column(%)	100.00%	91.14%	
Total	4	18946	18950
	0.02%	99.98%	

Table 34: FET Statistics IntClust7 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, 15.6]
estimate	0
null.value	1
alternative	two.sided

IntClust8 Female Cases, n = 145, FDR = 0.05

Table 35: FET Table IntClust8 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	144	1534	1678
Column(%)	14.05%	8.56%	
Not ER binding			
N	881	16391	17272
Column(%)	85.95%	91.44%	
Total	1025	17925	18950
	5.41%	94.59%	

Table 36: FET Statistics IntClust8 Female Cases, FDR = 0.05

Statistics	Value
p.value	1.776e-08
conf.int	[1.443, 2.102]
estimate	1.746
null.value	1
alternative	two.sided

IntClust9 Female Cases, n = 74, FDR = 0.05

Table 37: FET Table IntClust9 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 38: FET Statistics IntClust9 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust10 Female Cases, n = 157, FDR = 0.05

Table 39: FET Table IntClust10 Female Cases, FDR = 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 40: FET Statistics IntClust10 Female Cases, FDR = 0.05

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust1 Female Cases, n = 75, FDR = 0.01

Table 41: FET Table IntClust1 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 42: FET Statistics IntClust1 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust2 Female Cases, n = 38, FDR = 0.01

Table 43: FET Table IntClust2 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 44: FET Statistics IntClust2 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust3 Female Cases, n = 181, FDR = 0.01

Table 45: FET Table IntClust3 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	24	1654	1678
Column(%)	13.56%	8.81%	
Not ER binding			
N	153	17119	17272
Column(%)	86.44%	91.19%	
Total	177	18773	18950
	0.93%	99.07%	

Table 46: FET Statistics IntClust3 Female Cases, FDR = 0.01

Statistics	Value
p.value	0.03285
conf.int	[1.006, 2.516]
estimate	1.623
null.value	1
alternative	two.sided

IntClust4 Female Cases, n = 165, FDR = 0.01

Table 47: FET Table IntClust4 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Column(%)	0.00%	8.86%	
Not ER binding			
N	1	17271	17272
Column(%)	100.00%	91.14%	
Total	1	18949	18950
	0.01%	99.99%	

Table 48: FET Statistics IntClust4 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, 398.9]
estimate	0
null.value	1
alternative	two.sided

IntClust5 Female Cases, n = 84, FDR = 0.01

Table 49: FET Table IntClust5 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 50: FET Statistics IntClust5 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust6 Female Cases, n = 60, FDR = 0.01

Table 51: FET Table IntClust6 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 52: FET Statistics IntClust6 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust7 Female Cases, n = 100, FDR = 0.01

Table 53: FET Table IntClust7 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Column(%)	0.00%	8.86%	
Not ER binding			
N	1	17271	17272
Column(%)	100.00%	91.14%	
Total	1	18949	18950
	0.01%	99.99%	

Table 54: FET Statistics IntClust7 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, 398.9]
estimate	0
null.value	1
alternative	two.sided

IntClust8 Female Cases, n = 145, FDR = 0.01

Table 55: FET Table IntClust8 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	54	1624	1678
Column(%)	20.93%	8.69%	
Not ER binding			
N	204	17068	17272
Column(%)	79.07%	91.31%	
Total	258	18692	18950
	1.36%	98.64%	

Table 56: FET Statistics IntClust8 Female Cases, FDR = 0.01

Statistics	Value
p.value	2.709e-09
conf.int	[2.013, 3.789]
estimate	2.782
null.value	1
alternative	two.sided

IntClust9 Female Cases, n = 74, FDR = 0.01

Table 57: FET Table IntClust9 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 58: FET Statistics IntClust9 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided

IntClust10 Female Cases, n = 157, FDR = 0.01

Table 59: FET Table IntClust10 Female Cases, FDR = 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Not ER binding			
ER binding			
Not ER binding			
N	0	17272	17272
Total			
Not ER binding			
Total	0	18950	18950

Table 60: FET Statistics IntClust10 Female Cases, FDR = 0.01

Statistics	Value
p.value	1
conf.int	[0, Inf]
estimate	0
null.value	1
alternative	two.sided