

Age-Associated Biomarker Study

TCGA Thyroid Cancer Males Fisher's Exact Tests

Derek Chiu

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Table 1: ER binding and age associated gene counts for TCGA
Thyroid cancer data, Males, FDR 0.05

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Row(%)	0.00%	100.00%	8.85%
Not ER binding			
N	0	17272	17272
Row(%)	0.00%	100.00%	91.15%
Total	0	18950	18950

```
##
## Fisher's Exact Test for Count Data
##
## data:  tab
## p-value = 1
## alternative hypothesis: true odds ratio is not equal to 1
## 95 percent confidence interval:
##  0 Inf
## sample estimates:
## odds ratio
##      0
```

Table 2: ER binding and age associated gene counts for TCGA
Thyroid cancer data, Males, FDR 0.01

ER binding	Age association Age associated	Not age associated	Total
ER binding			
N	0	1678	1678
Row(%)	0.00%	100.00%	8.85%
Not ER binding			
N	0	17272	17272
Row(%)	0.00%	100.00%	91.15%
Total	0	18950	18950

```
##
## Fisher's Exact Test for Count Data
##
## data:  tab
## p-value = 1
```

```
## alternative hypothesis: true odds ratio is not equal to 1
## 95 percent confidence interval:
##      0 Inf
## sample estimates:
## odds ratio
##           0
```

Table 3: NKI ER binding and age associated gene counts for TCGA
Thyroid cancer data, Males, FDR 0.05

ER binding	Age association Age associated	Not age associated	Total
Tier 1			
N	0	2875	2875
Row(%)	0.00%	100.00%	15.17%
Tier 2 Only			
N	0	3205	3205
Row(%)	0.00%	100.00%	16.91%
Not ER binding			
N	0	12870	12870
Row(%)	0.00%	100.00%	67.92%
Total	0	18950	18950

```
##
## Fisher's Exact Test for Count Data
##
## data:  tab
## p-value = 1
## alternative hypothesis: two.sided
```

Table 4: NKI ER binding and age associated gene counts for TCGA
Thyroid cancer data, Males, FDR 0.01

ER binding	Age association Age associated	Not age associated	Total
Tier 1			
N	0	2875	2875
Row(%)	0.00%	100.00%	15.17%
Tier 2 Only			
N	0	3205	3205
Row(%)	0.00%	100.00%	16.91%
Not ER binding			
N	0	12870	12870
Row(%)	0.00%	100.00%	67.92%
Total	0	18950	18950

```
##
## Fisher's Exact Test for Count Data
##
## data:  tab
## p-value = 1
## alternative hypothesis: two.sided
```