

***The GLM Procedure***

Class Level Information		
Class	Levels	Values
Antibiotic	5	Chloramp Erythrom Penicill Streptom Tetracyc

Number of Observations Read	20
Number of Observations Used	20

## The GLM Procedure

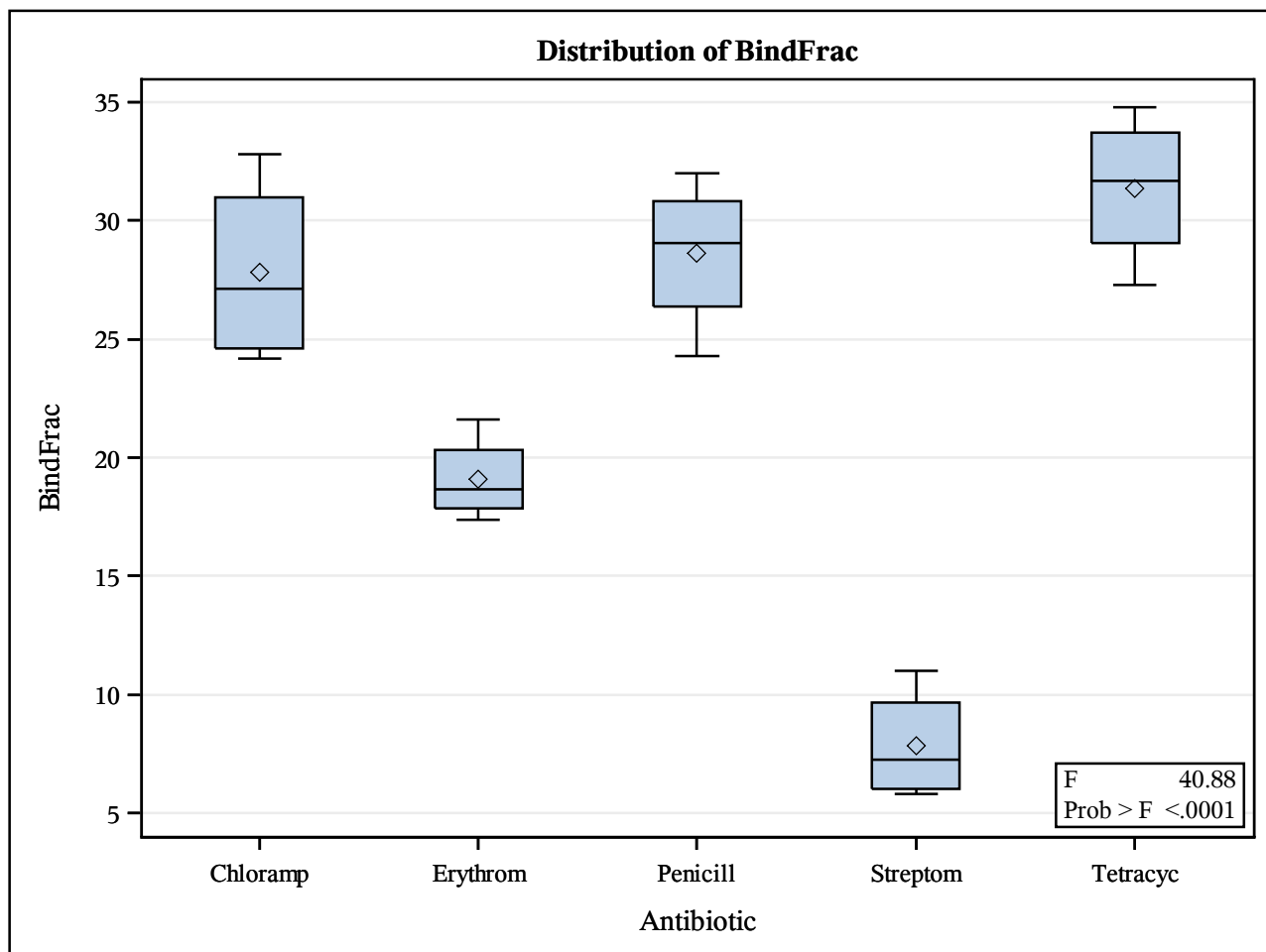
Dependent Variable: BindFrac

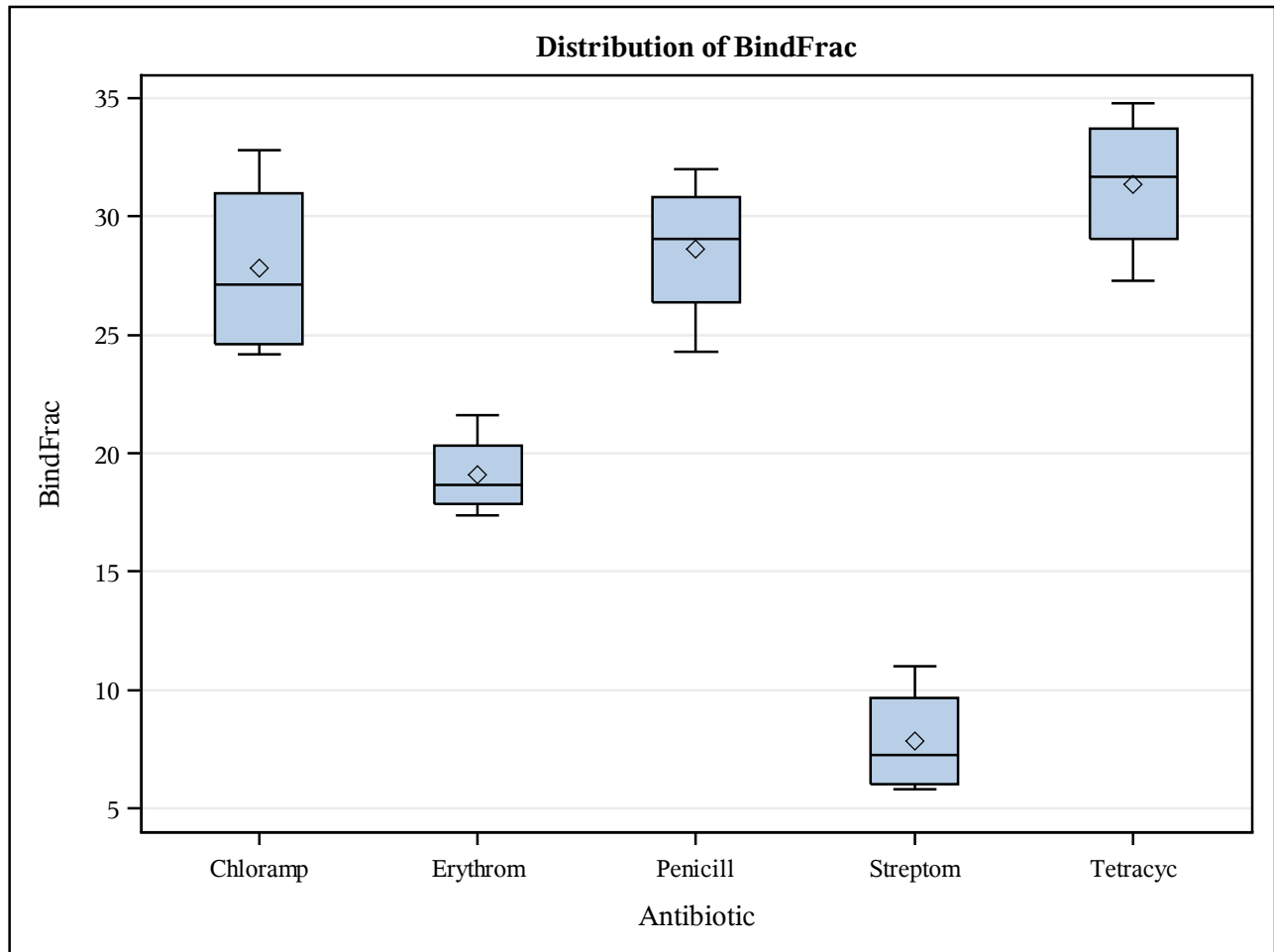
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	1480.823000	370.205750	40.88	<.0001
Error	15	135.822500	9.054833		
Corrected Total	19	1616.645500			

R-Square	Coeff Var	Root MSE	BindFrac Mean
0.915985	13.12023	3.009125	22.93500

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Antibiotic	4	1480.823000	370.205750	40.88	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Antibiotic	4	1480.823000	370.205750	40.88	<.0001



*The GLM Procedure*

**The GLM Procedure*****t* Tests (LSD) for BindFrac**

**Note:** This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	15
Error Mean Square	9.054833
Critical Value of t	2.13145
Least Significant Difference	4.5352

Comparisons significant at the 0.05 level are indicated by ***.				
Antibiotic Comparison	Difference Between Means	95% Confidence Limits		
Tetracyc - Penicill	2.775	-1.760	7.310	
Tetracyc - Chloramp	3.575	-0.960	8.110	
Tetracyc - Erythrom	12.300	7.765	16.835	***
Tetracyc - Streptom	23.550	19.015	28.085	***
Penicill - Tetracyc	-2.775	-7.310	1.760	
Penicill - Chloramp	0.800	-3.735	5.335	
Penicill - Erythrom	9.525	4.990	14.060	***
Penicill - Streptom	20.775	16.240	25.310	***
Chloramp - Tetracyc	-3.575	-8.110	0.960	
Chloramp - Penicill	-0.800	-5.335	3.735	
Chloramp - Erythrom	8.725	4.190	13.260	***
Chloramp - Streptom	19.975	15.440	24.510	***
Erythrom - Tetracyc	-12.300	-16.835	-7.765	***
Erythrom - Penicill	-9.525	-14.060	-4.990	***
Erythrom - Chloramp	-8.725	-13.260	-4.190	***
Erythrom - Streptom	11.250	6.715	15.785	***
Streptom - Tetracyc	-23.550	-28.085	-19.015	***
Streptom - Penicill	-20.775	-25.310	-16.240	***
Streptom - Chloramp	-19.975	-24.510	-15.440	***
Streptom - Erythrom	-11.250	-15.785	-6.715	***

**The GLM Procedure**

***t* Tests (LSD) for BindFrac**

**Note:** This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

<b>Alpha</b>	0.05
<b>Error Degrees of Freedom</b>	15
<b>Error Mean Square</b>	9.054833
<b>Critical Value of t</b>	2.13145
<b>Least Significant Difference</b>	4.5352

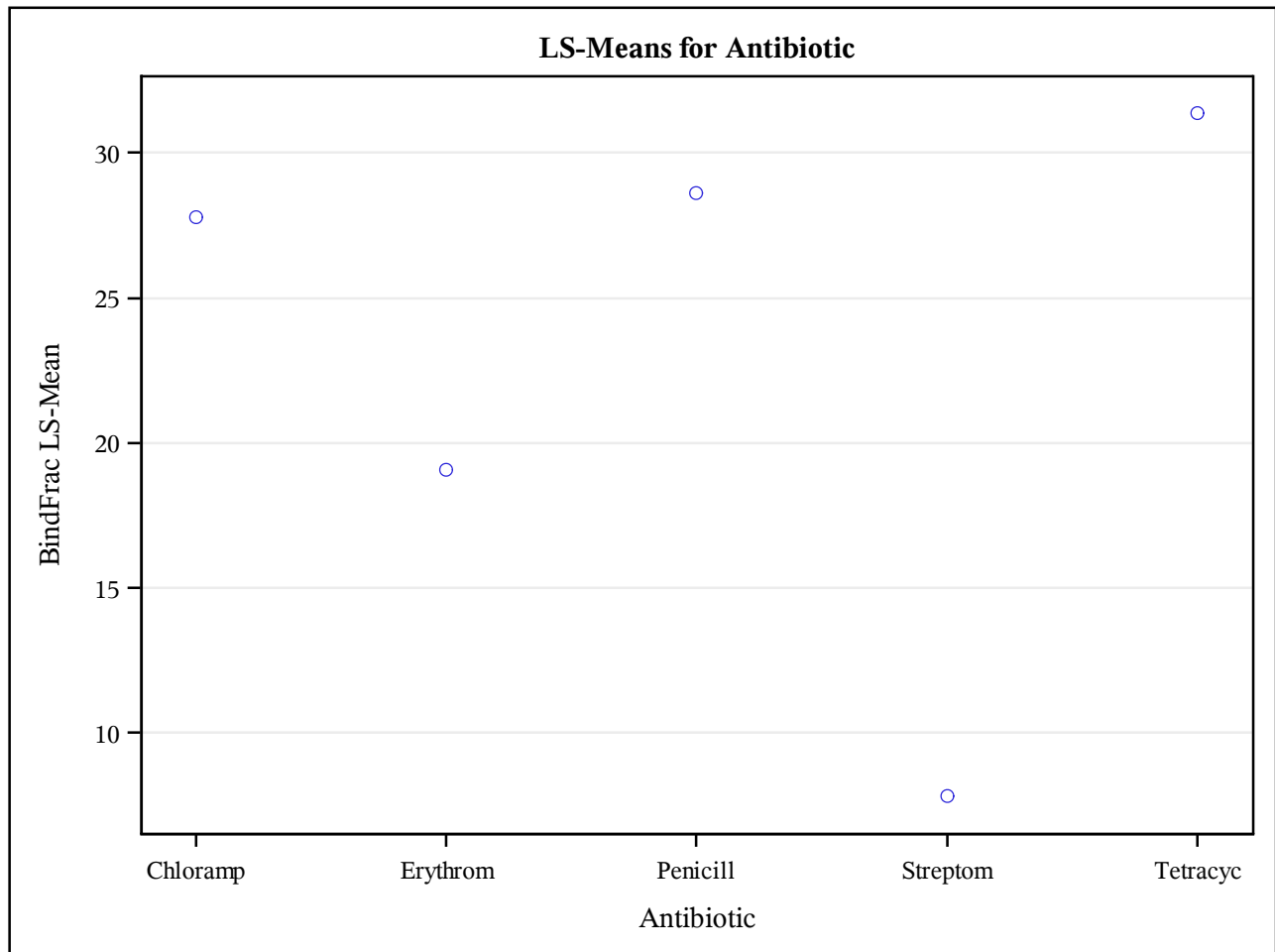
Means with the same letter are not significantly different.			
t Grouping	Mean	N	Antibiotic
A	31.375	4	Tetracyc
A			
A	28.600	4	Penicill
A			
A	27.800	4	Chloramp
B	19.075	4	Erythrom
C	7.825	4	Streptom

**The GLM Procedure**  
**Least Squares Means**

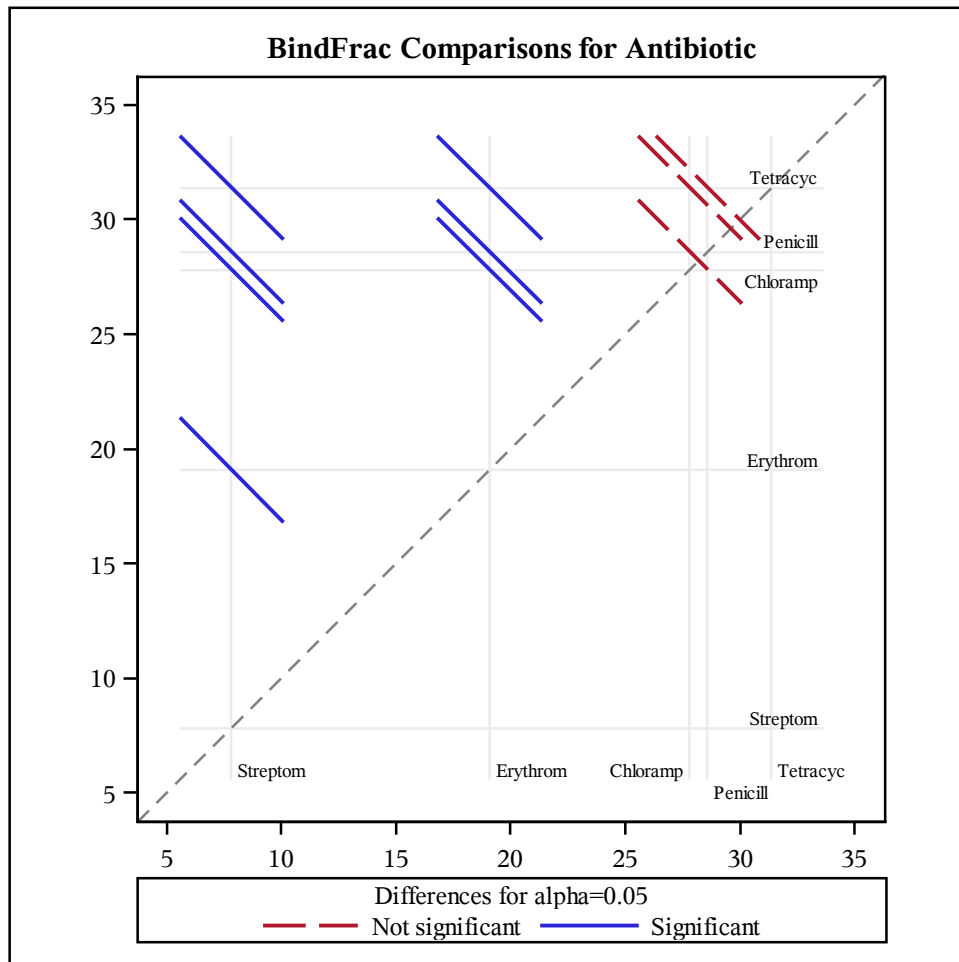
Antibiotic	BindFrac LSMEAN	Standard Error	Pr >  t	LSMEAN Number
<b>Chloramp</b>	27.8000000	1.5045625	<.0001	1
<b>Erythrom</b>	19.0750000	1.5045625	<.0001	2
<b>Penicill</b>	28.6000000	1.5045625	<.0001	3
<b>Streptom</b>	7.8250000	1.5045625	0.0001	4
<b>Tetracyc</b>	31.3750000	1.5045625	<.0001	5

Least Squares Means for effect Antibiotic Pr >  t  for H0: LSMean(i)=LSMean(j)					
Dependent Variable: BindFrac					
i/j	1	2	3	4	5
<b>1</b>		0.0009	0.7122	<.0001	0.1136
<b>2</b>	0.0009		0.0004	<.0001	<.0001
<b>3</b>	0.7122	0.0004		<.0001	0.2118
<b>4</b>	<.0001	<.0001	<.0001		<.0001
<b>5</b>	0.1136	<.0001	0.2118	<.0001	

*The GLM Procedure*  
*Least Squares Means*



*The GLM Procedure*  
*Least Squares Means*



**Note:** To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.