

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: bacitracinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**

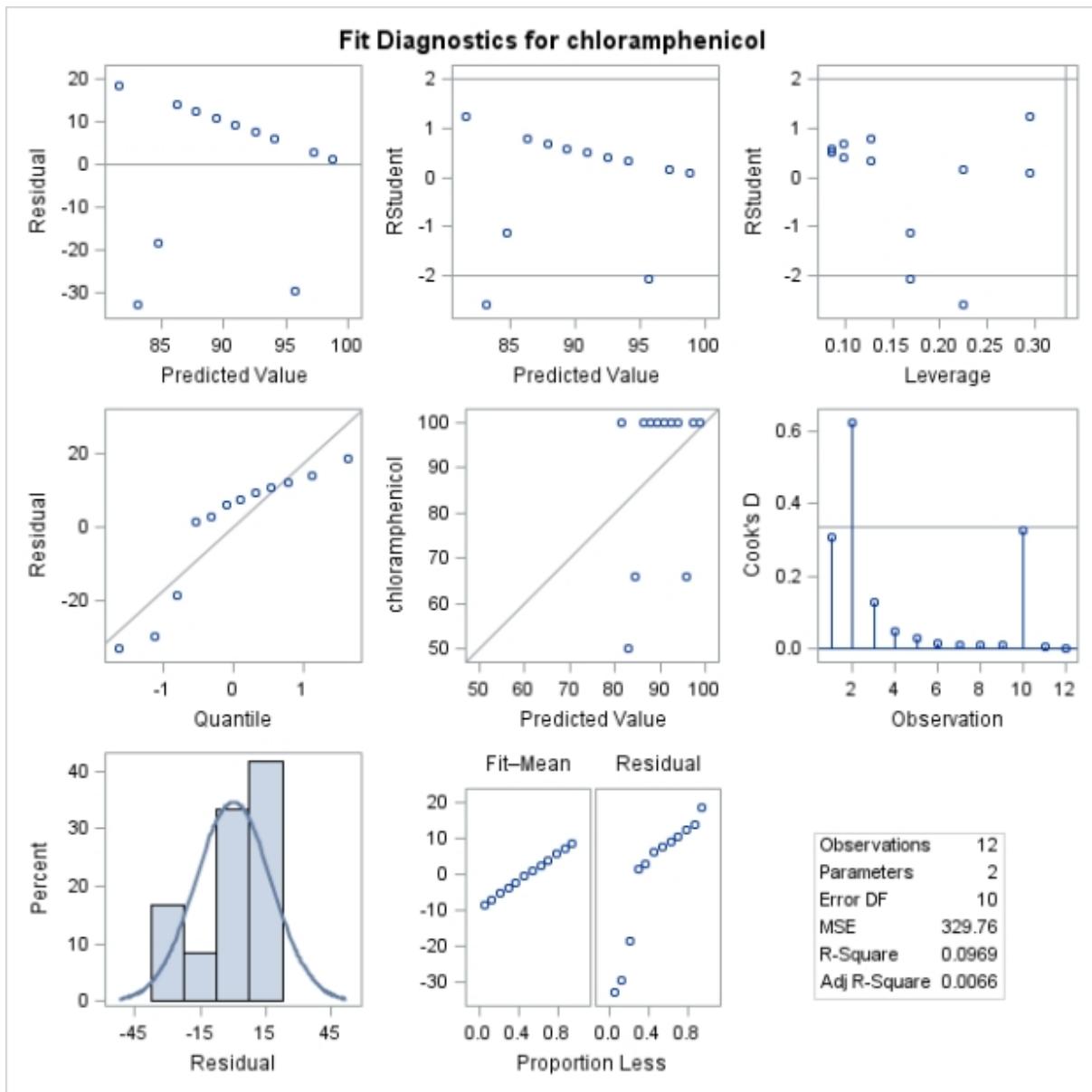
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	12

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	354.02098	354.02098	1.07	0.3245
<b>Error</b>	10	3297.64569	329.76457		
<b>Corrected Total</b>	11	3651.66667			

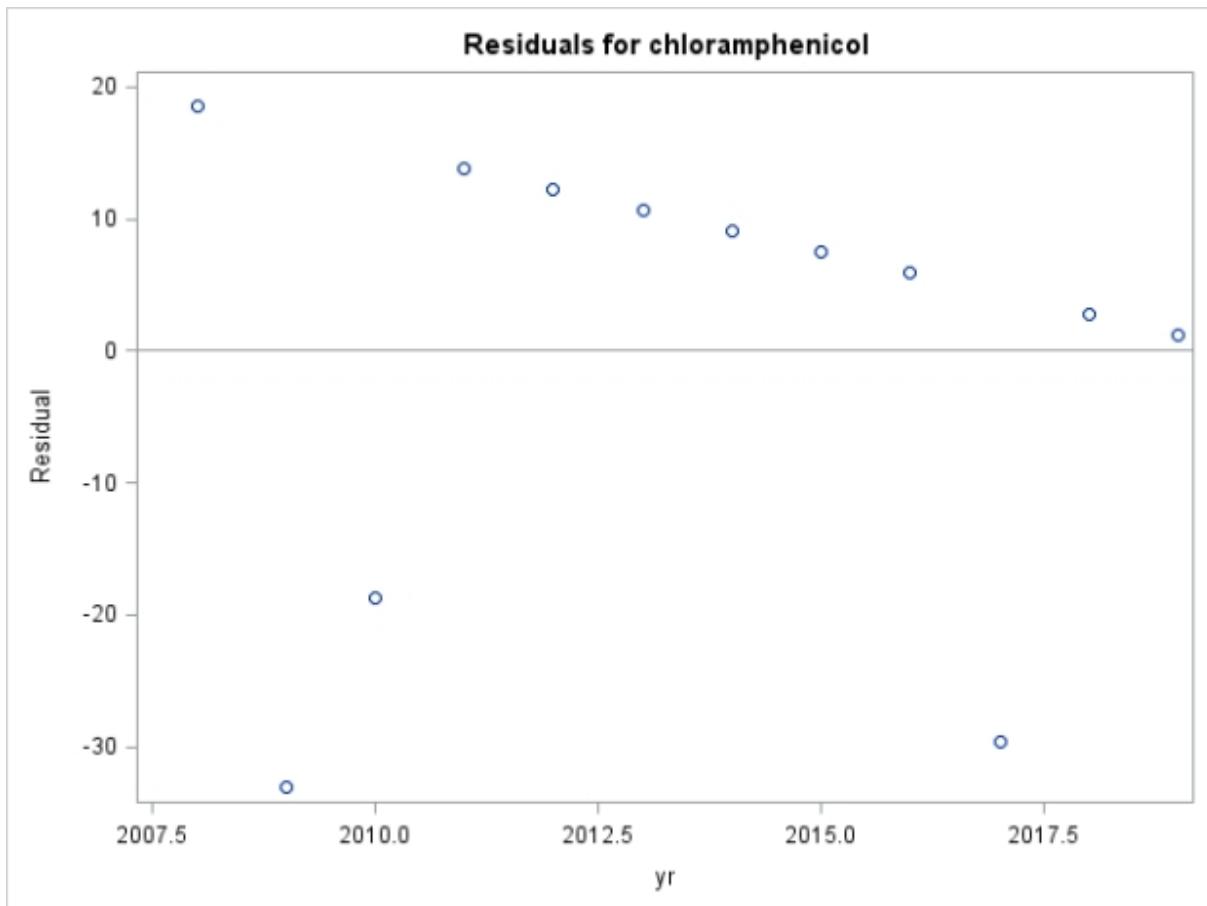
<b>Root MSE</b>	18.15942	<b>R-Square</b>	0.0969
<b>Dependent Mean</b>	90.16667	<b>Adj R-Sq</b>	0.0066
<b>Coeff Var</b>	20.13984		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	-3077.92774	3057.63928	-1.01	0.3378
<b>yr</b>	1	1.57343	1.51857	1.04	0.3245

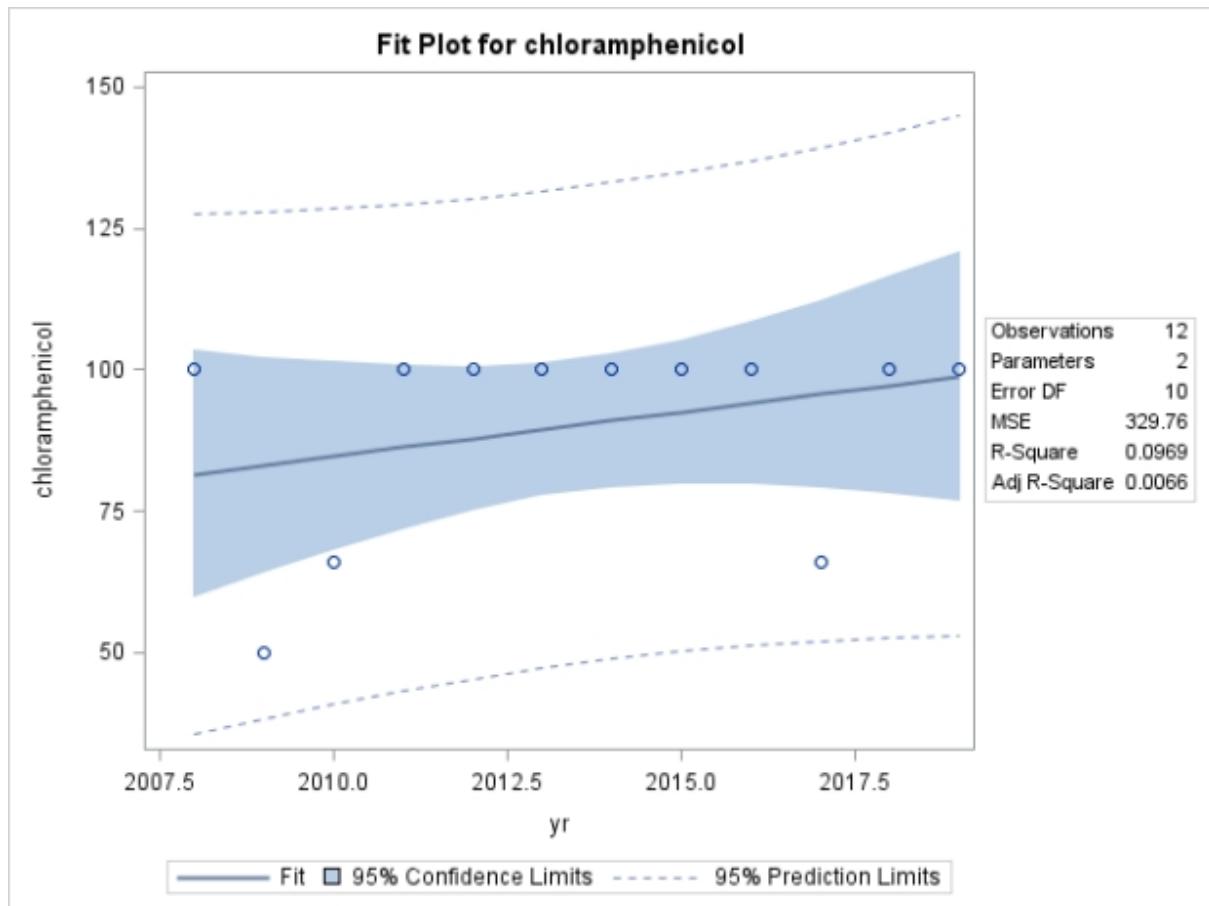
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



**The UNIVARIATE Procedure**

Variable: chloramphenicolr (Studentized Residual without Current Obs)

Moments			
<b>N</b>	12	<b>Sum Weights</b>	12
<b>Mean</b>	-0.0832383	<b>Sum Observations</b>	-0.9988599
<b>Std Deviation</b>	1.19867312	<b>Variance</b>	1.43681725
<b>Skewness</b>	-1.3074869	<b>Kurtosis</b>	0.62776736
<b>Uncorrected SS</b>	15.8881332	<b>Corrected SS</b>	15.8049898
<b>Coeff Variation</b>	-1440.0495	<b>Std Error Mean</b>	0.34602712

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	-0.08324	<b>Std Deviation</b>	1.19867
<b>Median</b>	0.37357	<b>Variance</b>	1.43682
<b>Mode</b>	.	<b>Range</b>	3.84199
		<b>Interquartile Range</b>	1.17545

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t -0.24055	Pr >  t	0.8143	
Sign	M 3	Pr >=  M	0.1460	
Signed Rank	S 7	Pr >=  S	0.6221	

Tests for Normality				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.820234	Pr < W	0.0161	
Kolmogorov-Smirnov	D 0.301985	Pr > D	<0.0100	
Cramer-von Mises	W-Sq 0.196136	Pr > W-Sq	<0.0050	
Anderson-Darling	A-Sq 1.02125	Pr > A-Sq	0.0073	

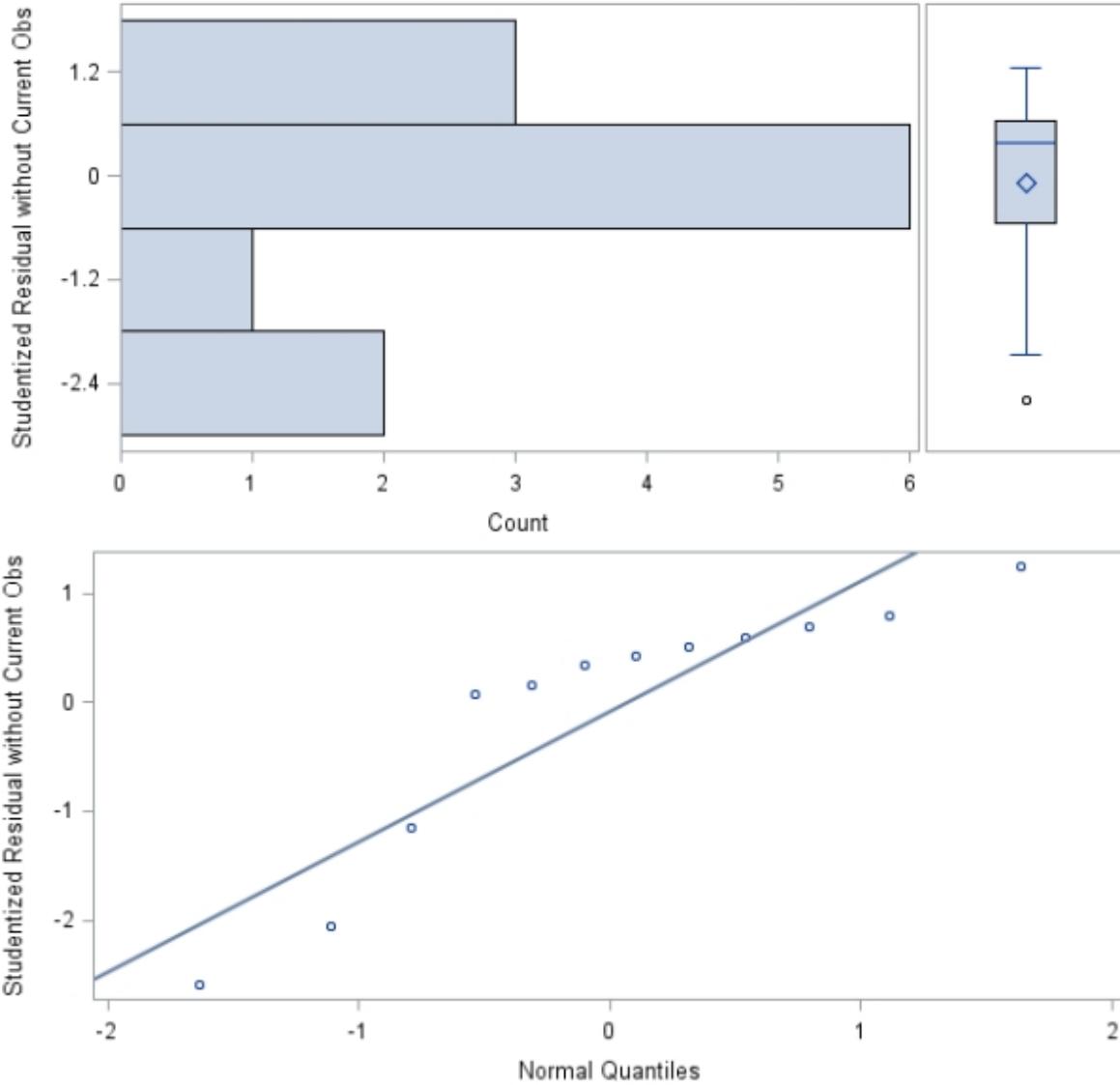
Quantiles (Definition 5)	
Level	Quantile
100% Max	1.245309
99%	1.245309
95%	1.245309
90%	0.796429
75% Q3	0.639881
50% Median	0.373567
25% Q1	-0.535567
10%	-2.064222
5%	-2.596682
1%	-2.596682
0% Min	-2.596682

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-2.5966817	2	0.500940	7
-2.0642215	10	0.591191	6
-1.1445360	3	0.688571	5

**The UNIVARIATE Procedure**

Variable: chloramphenicolr (Studentized Residual without Current Obs)

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.0734021	12	0.796429	4
0.1636023	11	1.245309	1

**Distribution and Probability Plot for chloramphenicolr**

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**

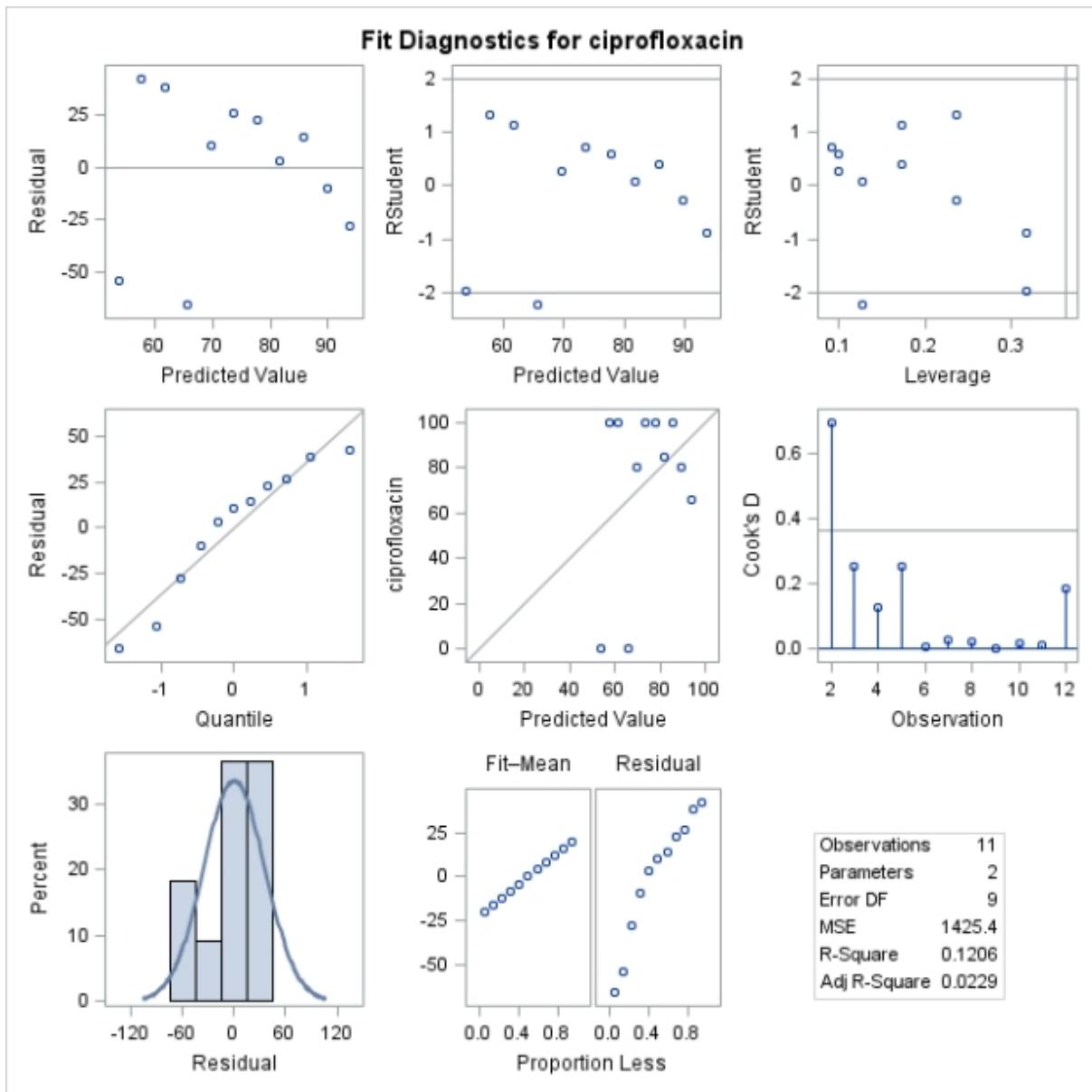
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	11
<b>Number of Observations with Missing Values</b>	1

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	1760.00000	1760.00000	1.23	0.2953
<b>Error</b>	9	12828	1425.35354		
<b>Corrected Total</b>	10	14588			

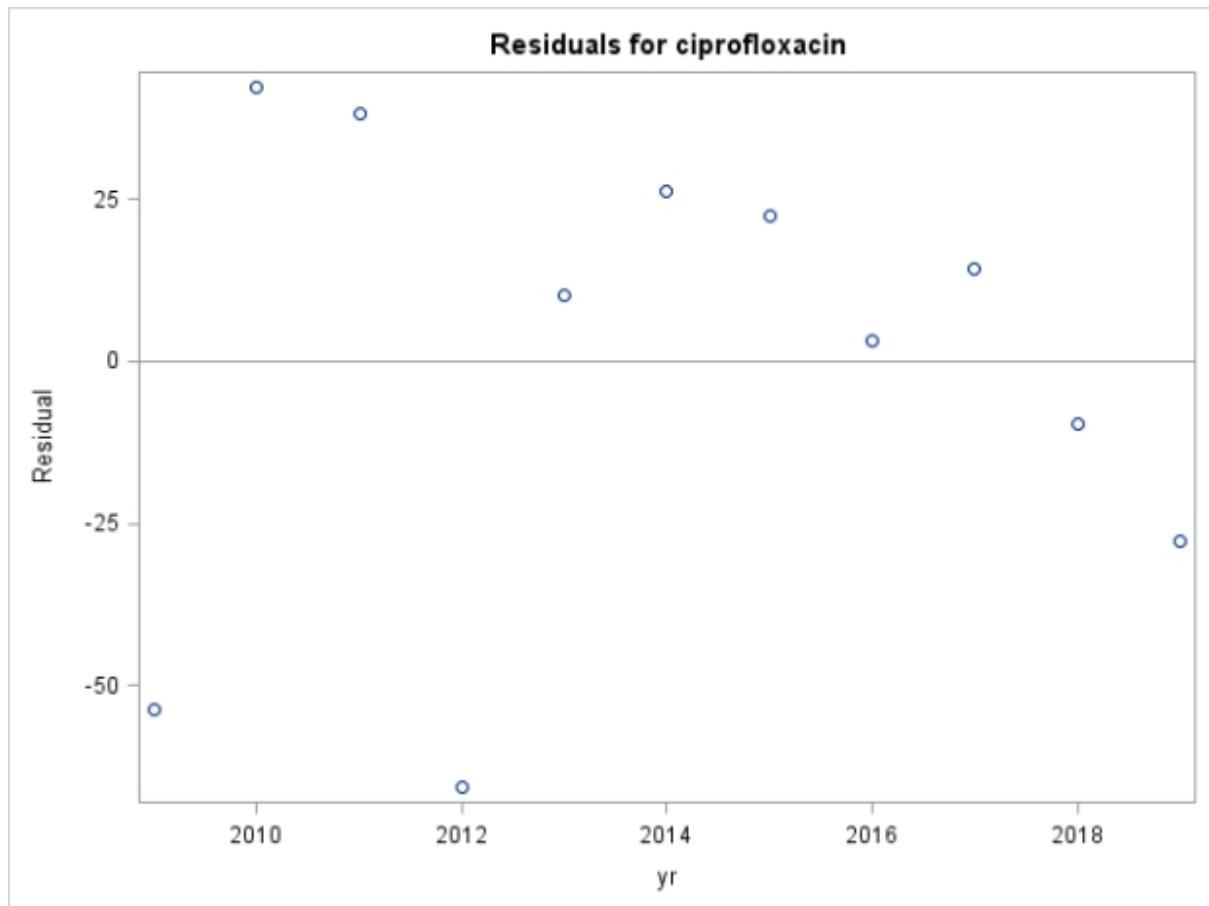
<b>Root MSE</b>	37.75385	<b>R-Square</b>	0.1206
<b>Dependent Mean</b>	73.72727	<b>Adj R-Sq</b>	0.0229
<b>Coeff Var</b>	51.20745		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	-7982.27273	7249.78217	-1.10	0.2995
<b>yr</b>	1	4.00000	3.59969	1.11	0.2953

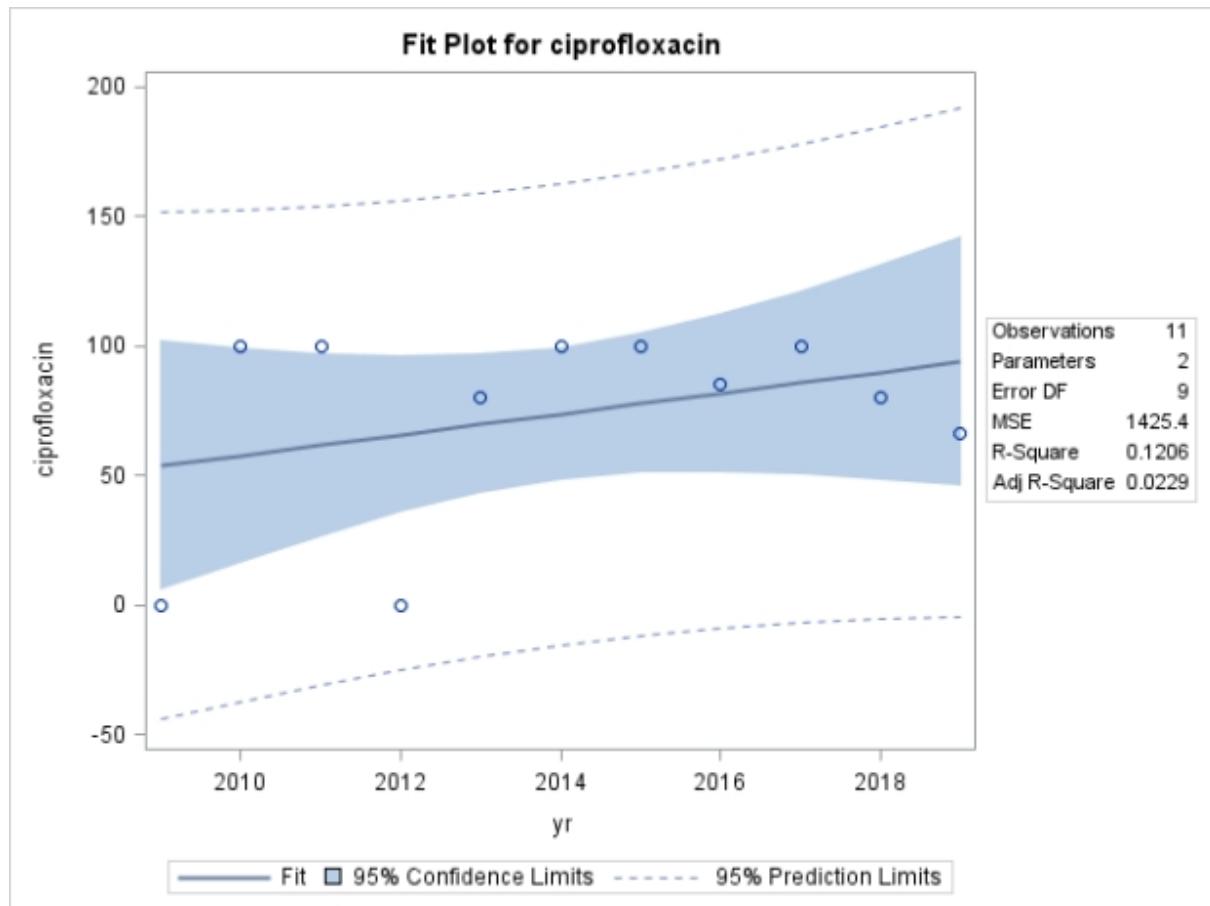
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



**The UNIVARIATE Procedure**  
**Variable: ciprofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	11	<b>Sum Weights</b>	11
<b>Mean</b>	-0.0775534	<b>Sum Observations</b>	-0.8530879
<b>Std Deviation</b>	1.17969731	<b>Variance</b>	1.39168574
<b>Skewness</b>	-0.8977574	<b>Kurtosis</b>	-0.1536904
<b>Uncorrected SS</b>	13.9830173	<b>Corrected SS</b>	13.9168574
<b>Coeff Variation</b>	-1521.1411	<b>Std Error Mean</b>	0.35569212

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.07755	<b>Std Deviation</b>	1.17970
<b>Median</b>	0.27166	<b>Variance</b>	1.39169
<b>Mode</b>	.	<b>Range</b>	3.57805
		<b>Interquartile Range</b>	1.58747

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.21804	<b>Pr &gt;  t </b>	0.8318	
Sign	M 1.5	<b>Pr &gt;=  M </b>	0.5488	
Signed Rank	S 2	<b>Pr &gt;=  S </b>	0.8984	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.902122	<b>Pr &lt; W</b>	0.1962	
Kolmogorov-Smirnov	D 0.192008	<b>Pr &gt; D</b>	>0.1500	
Cramer-von Mises	W-Sq 0.074383	<b>Pr &gt; W-Sq</b>	0.2279	
Anderson-Darling	A-Sq 0.463363	<b>Pr &gt; A-Sq</b>	0.2131	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.336023
<b>99%</b>	1.336023
<b>95%</b>	1.336023
<b>90%</b>	1.131829
<b>75% Q3</b>	0.709435
<b>50% Median</b>	0.271657
<b>25% Q1</b>	-0.878039
<b>10%</b>	-1.985162
<b>5%</b>	-2.242026
<b>1%</b>	-2.242026
<b>0% Min</b>	-2.242026

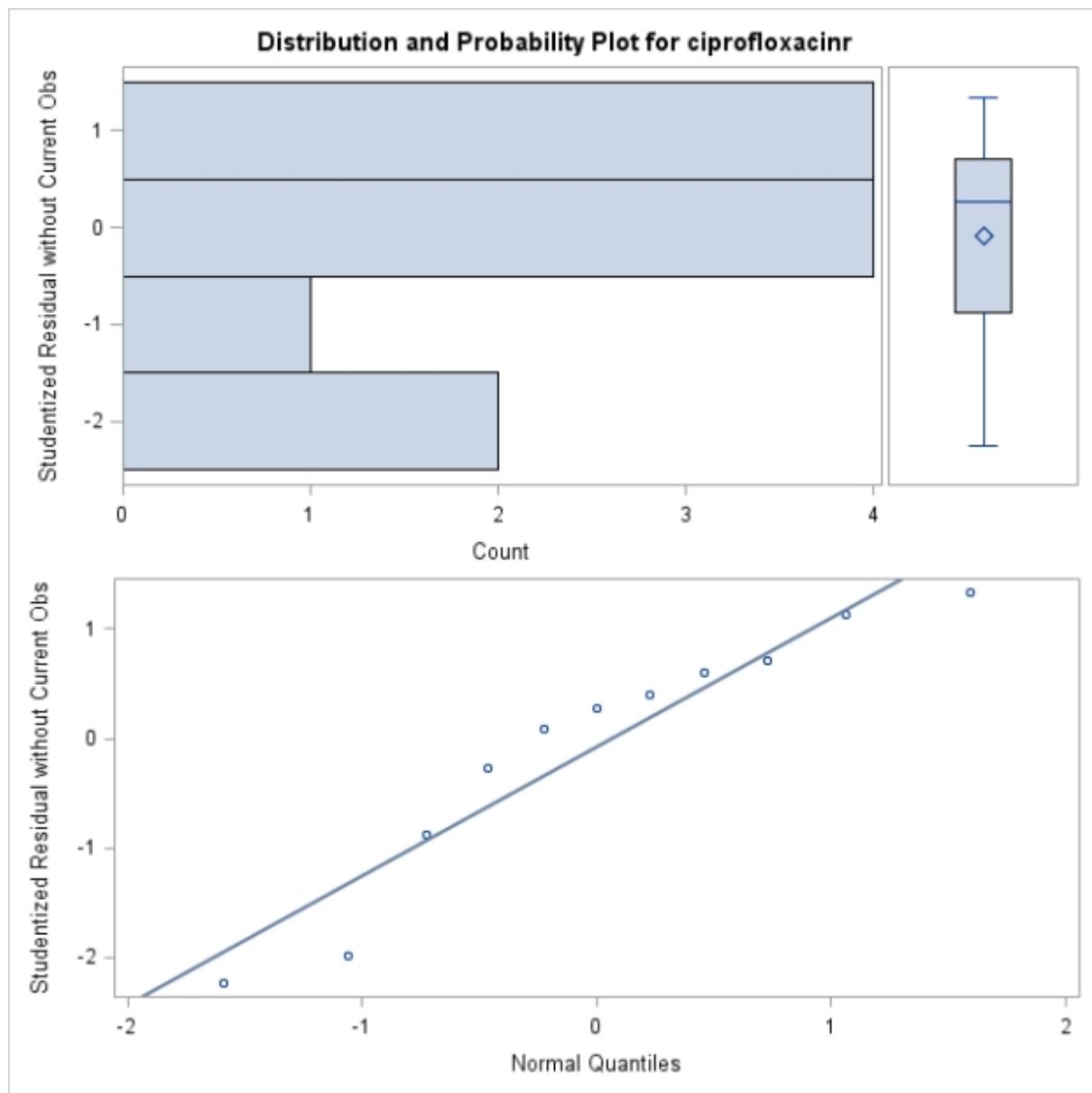
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.2420262	5	0.395689	10
-1.9851617	2	0.599310	8
-0.8780387	12	0.709435	7

**The UNIVARIATE Procedure****Variable: ciprofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.2793302	11	1.131829	4
0.0875268	9	1.336023	3

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	8.33	100.00

The UNIVARIATE Procedure  
Variable: ciprofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: erythromycin**

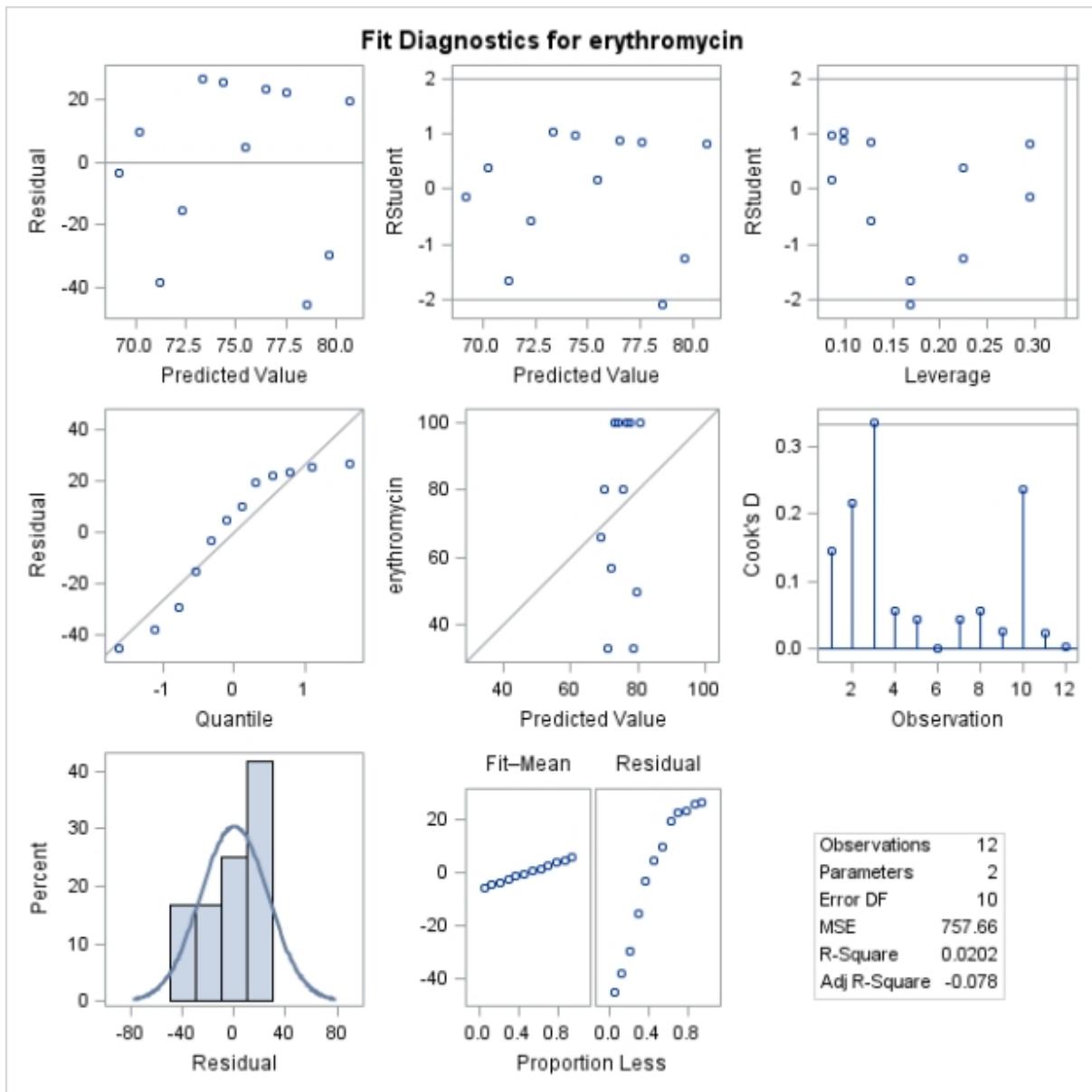
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	12

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	156.29545	156.29545	0.21	0.6594
<b>Error</b>	10	7576.62121	757.66212		
<b>Corrected Total</b>	11	7732.91667			

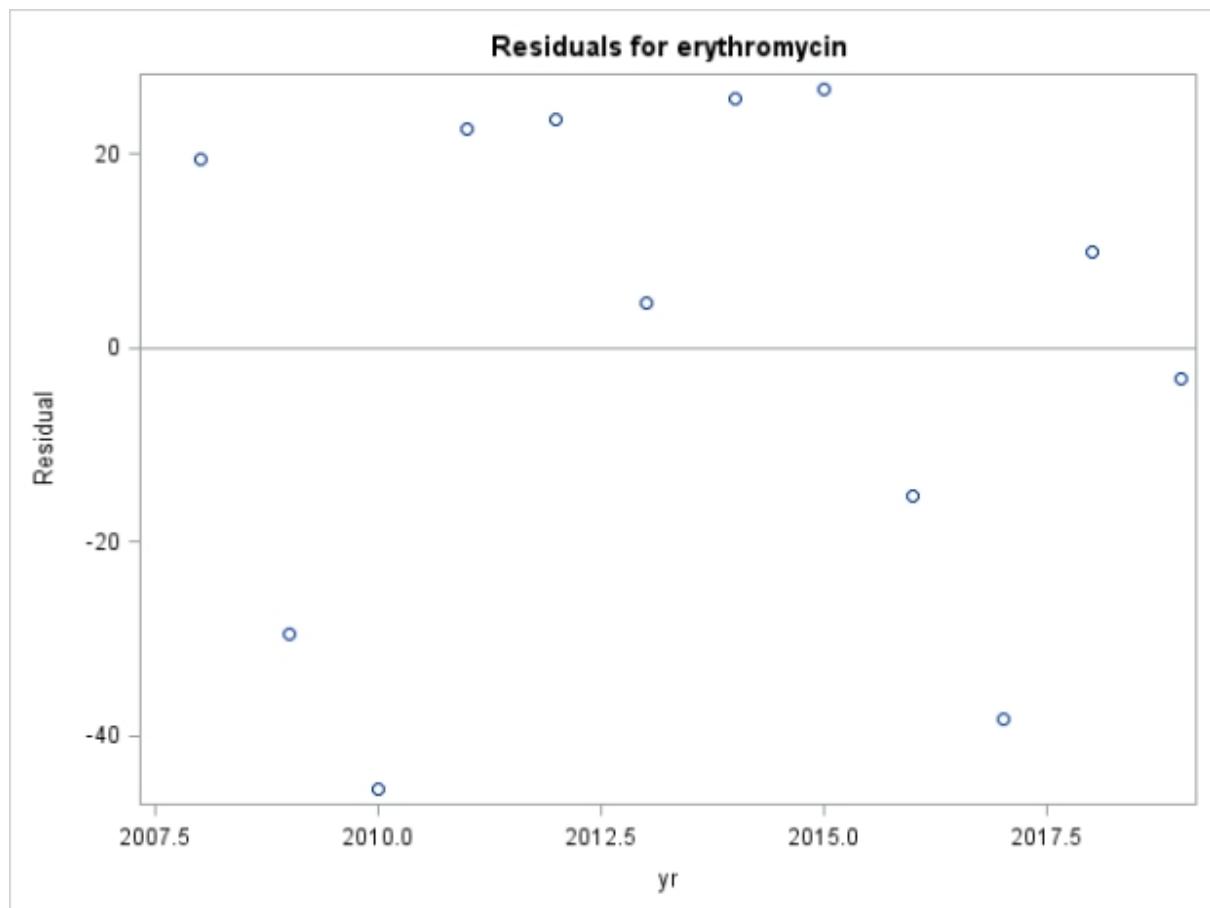
<b>Root MSE</b>	27.52566	<b>R-Square</b>	0.0202
<b>Dependent Mean</b>	74.91667	<b>Adj R-Sq</b>	-0.0778
<b>Coeff Var</b>	36.74171		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	2179.93939	4634.70441	0.47	0.6482
<b>yr</b>	1	-1.04545	2.30181	-0.45	0.6594

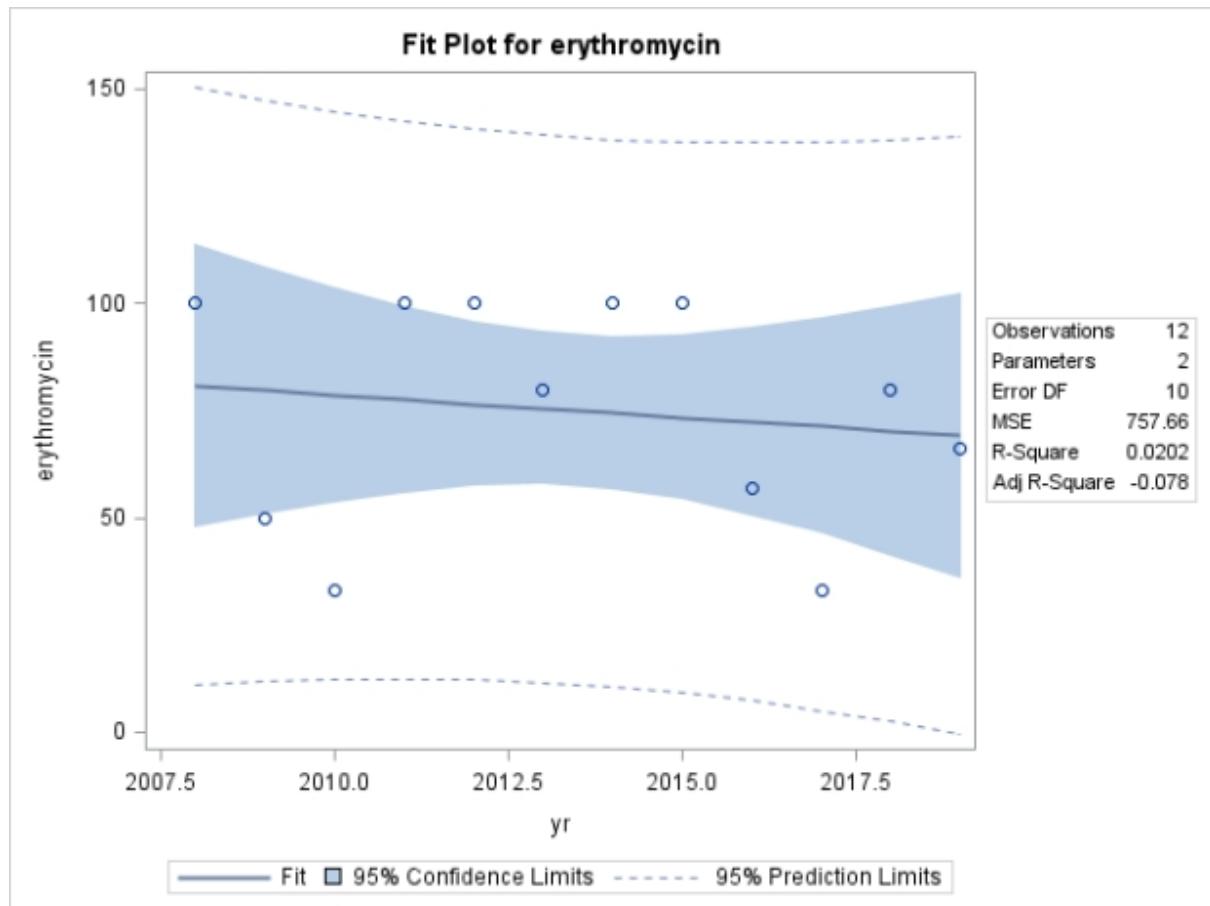
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: erythromycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: erythromycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: erythromycin



**The UNIVARIATE Procedure**  
**Variable: erythromycinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	12	<b>Sum Weights</b>	12
<b>Mean</b>	-0.0499421	<b>Sum Observations</b>	-0.5993049
<b>Std Deviation</b>	1.1049937	<b>Variance</b>	1.22101107
<b>Skewness</b>	-0.8122647	<b>Kurtosis</b>	-0.7457122
<b>Uncorrected SS</b>	13.4610523	<b>Corrected SS</b>	13.4311218
<b>Coeff Variation</b>	-2212.5508	<b>Std Error Mean</b>	0.3189842

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.04994	<b>Std Deviation</b>	1.10499
<b>Median</b>	0.27546	<b>Variance</b>	1.22101
<b>Mode</b>	.	<b>Range</b>	3.12738
		<b>Interquartile Range</b>	1.79263

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.15657	<b>Pr &gt;  t </b>	0.8784	
Sign	M 1	<b>Pr &gt;=  M </b>	0.7744	
Signed Rank	S 1	<b>Pr &gt;=  S </b>	0.9697	

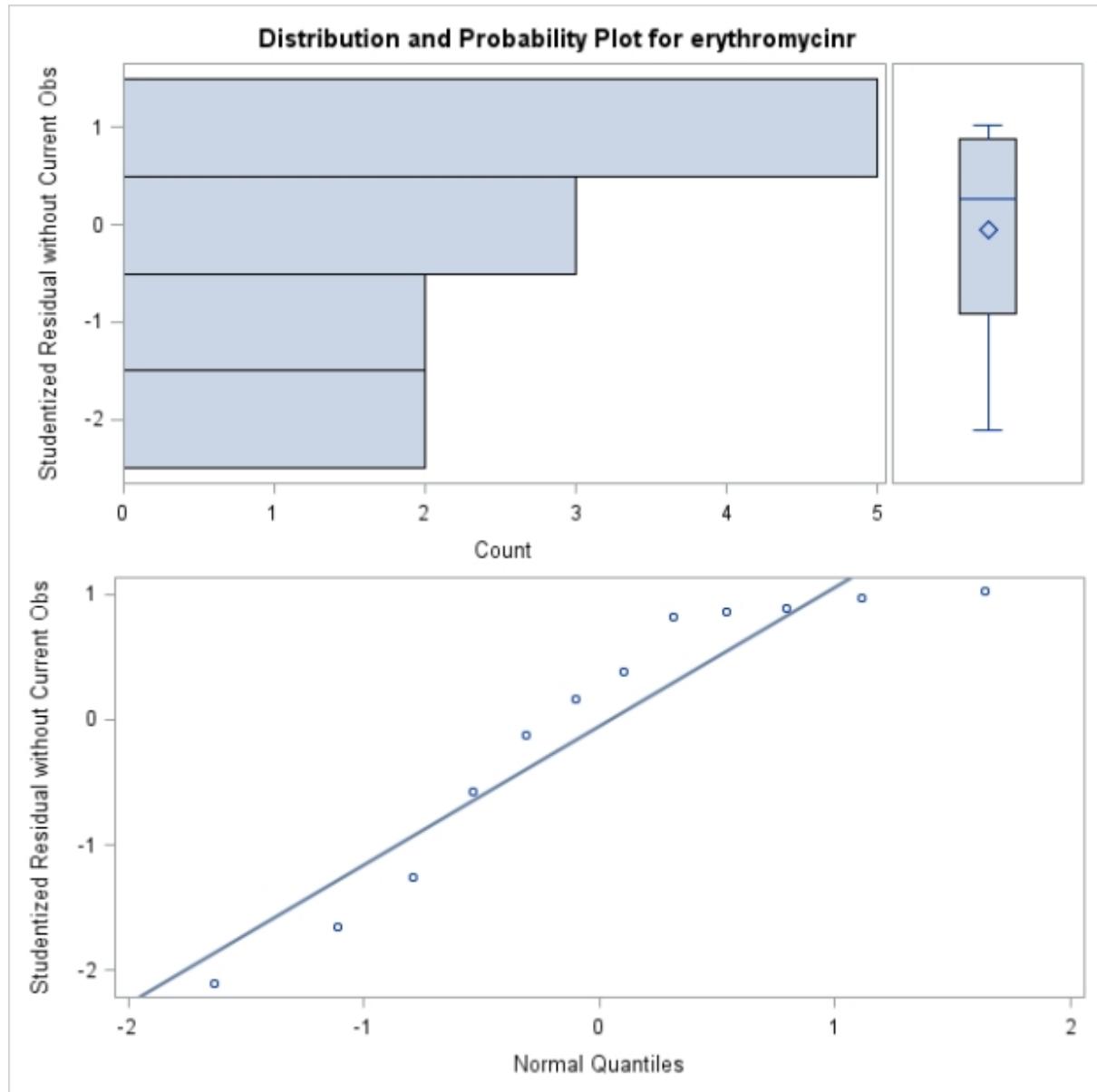
<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.866023	<b>Pr &lt; W</b>	0.0582	
Kolmogorov-Smirnov	D 0.201855	<b>Pr &gt; D</b>	>0.1500	
Cramer-von Mises	W-Sq 0.102849	<b>Pr &gt; W-Sq</b>	0.0929	
Anderson-Darling	A-Sq 0.638308	<b>Pr &gt; A-Sq</b>	0.0764	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.022396
<b>99%</b>	1.022396
<b>95%</b>	1.022396
<b>90%</b>	0.969642
<b>75% Q3</b>	0.876565
<b>50% Median</b>	0.275461
<b>25% Q1</b>	-0.916064
<b>10%</b>	-1.651013
<b>5%</b>	-2.104982
<b>1%</b>	-2.104982
<b>0% Min</b>	-2.104982

<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.104982	3	0.822822	1
-1.651013	10	0.862435	4
-1.257362	2	0.890696	5

**The UNIVARIATE Procedure**  
**Variable: erythromycinr (Studentized Residual without Current Obs)**

<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
<b>Value</b>	<b>Obs</b>	<b>Value</b>	<b>Obs</b>
-0.574767	9	0.969642	7
-0.130095	12	1.022396	8



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: gentamicin**

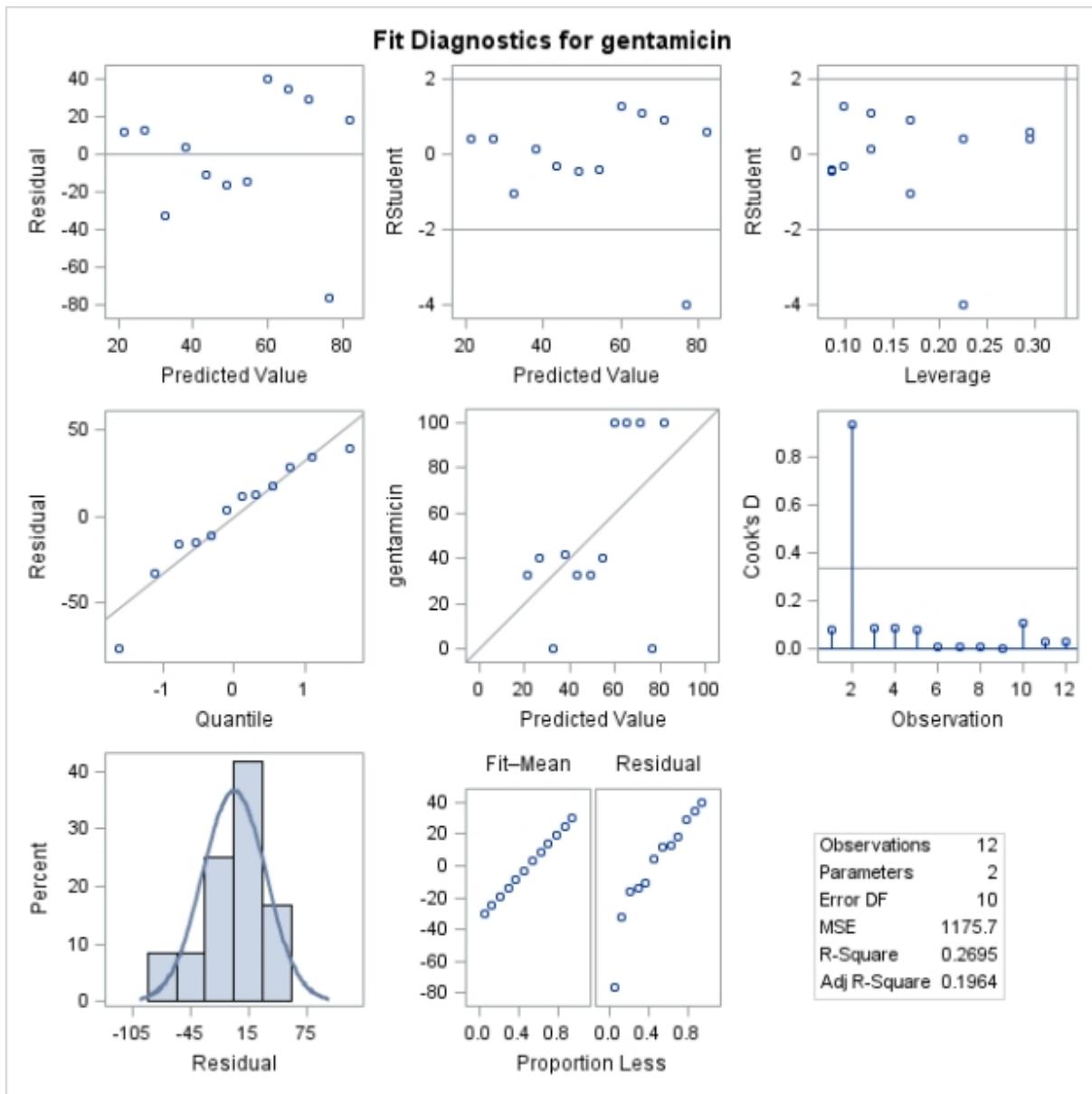
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	12

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	4336.75699	4336.75699	3.69	0.0837
<b>Error</b>	10	11757	1175.74930		
<b>Corrected Total</b>	11	16094			

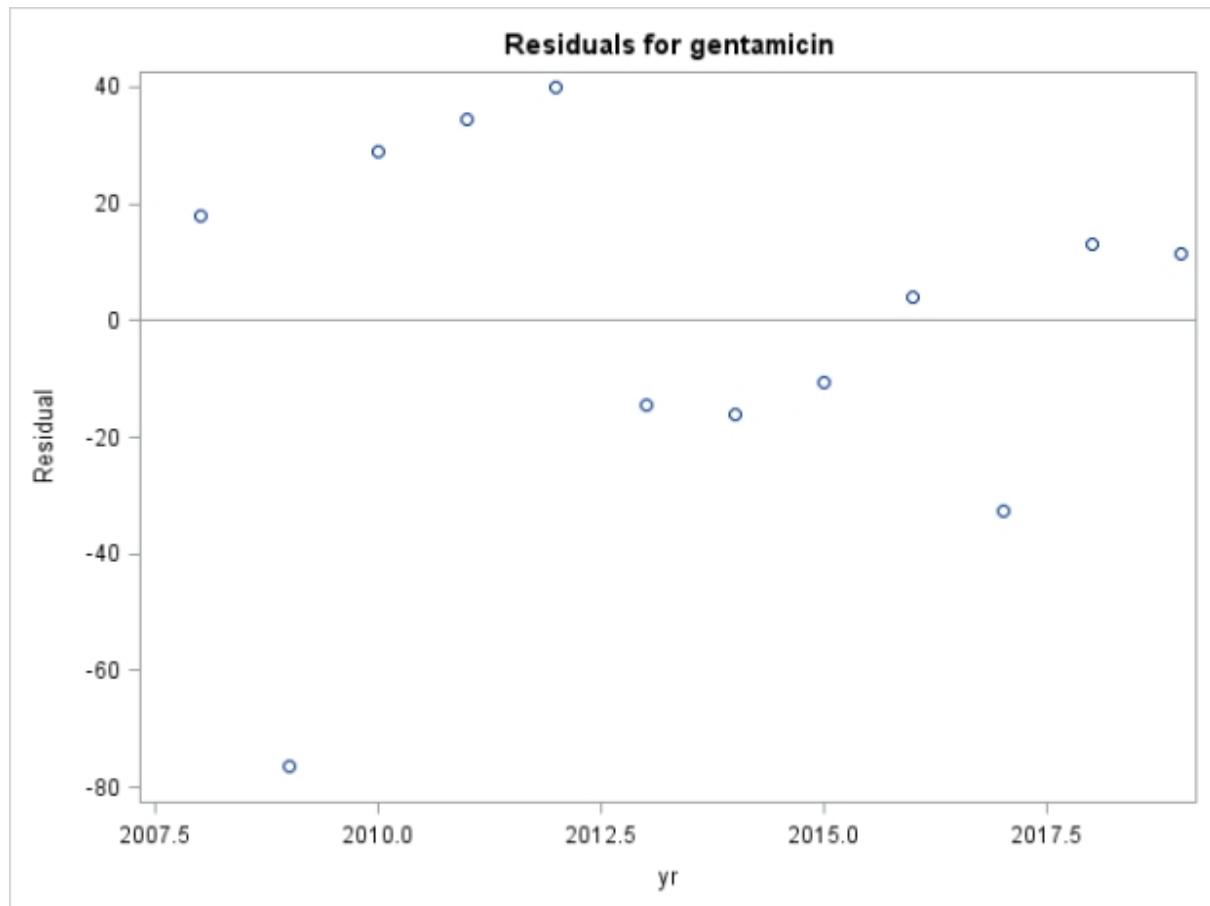
<b>Root MSE</b>	34.28920	<b>R-Square</b>	0.2695
<b>Dependent Mean</b>	51.75000	<b>Adj R-Sq</b>	0.1964
<b>Coeff Var</b>	66.25933		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	11140	5773.53254	1.93	0.0825
<b>yr</b>	1	-5.50699	2.86741	-1.92	0.0837

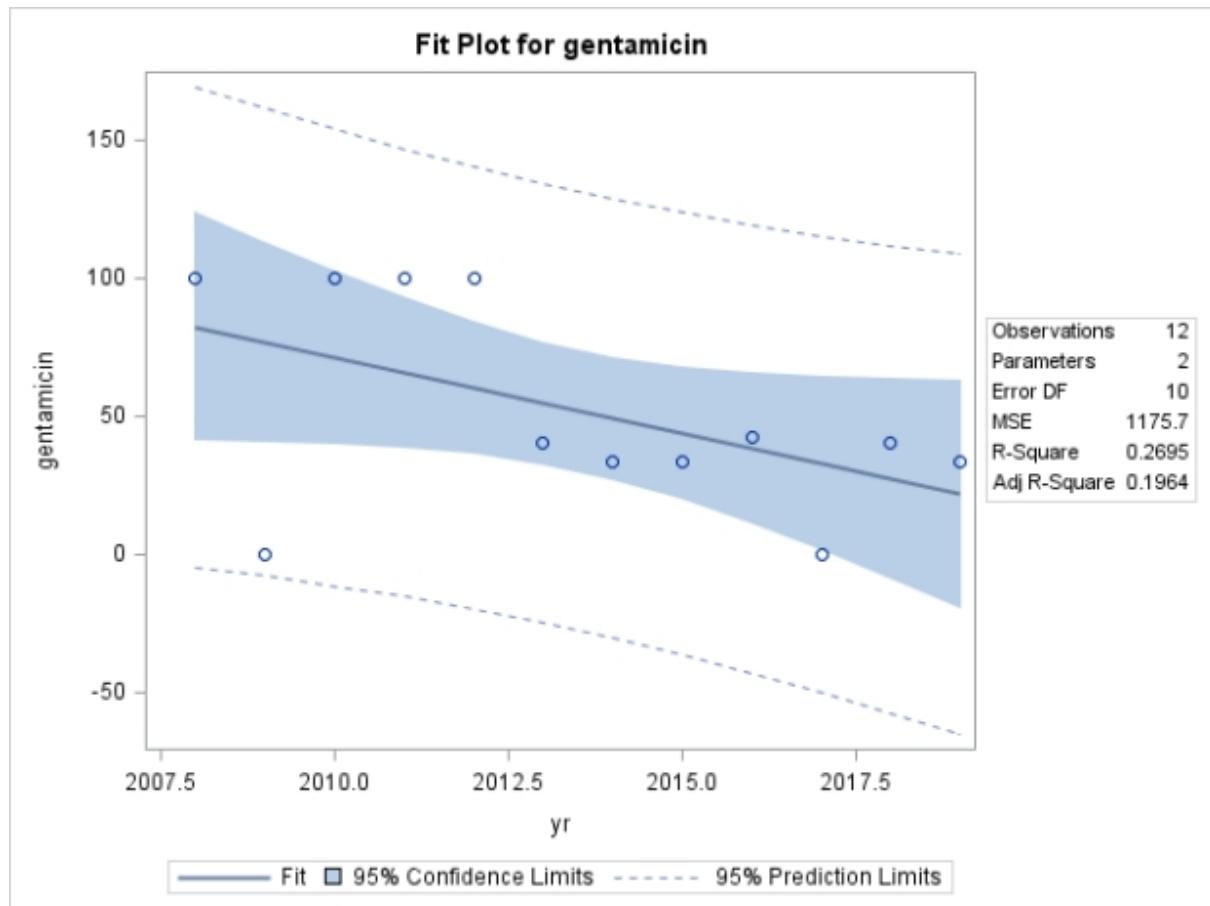
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: gentamicin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: gentamicin



The REG Procedure  
Model: MODEL1  
Dependent Variable: gentamicin



**The UNIVARIATE Procedure**  
**Variable: gentamicinr (Studentized Residual without Current Obs)**

Moments			
<b>N</b>	12	<b>Sum Weights</b>	12
<b>Mean</b>	-0.1230479	<b>Sum Observations</b>	-1.4765751
<b>Std Deviation</b>	1.41144399	<b>Variance</b>	1.99217414
<b>Skewness</b>	-2.0931657	<b>Kurtosis</b>	5.48516004
<b>Uncorrected SS</b>	22.0956051	<b>Corrected SS</b>	21.9139156
<b>Coeff Variation</b>	-1147.0685	<b>Std Error Mean</b>	0.40744878

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	-0.12305	<b>Std Deviation</b>	1.41144
<b>Median</b>	0.25116	<b>Variance</b>	1.99217
<b>Mode</b>	.	<b>Range</b>	5.28887
		<b>Interquartile Range</b>	1.20773

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	-0.302	<b>Pr &gt;  t </b>	0.7683
Sign	M	1	<b>Pr &gt;=  M </b>	0.7744
Signed Rank	S	5	<b>Pr &gt;=  S </b>	0.7334

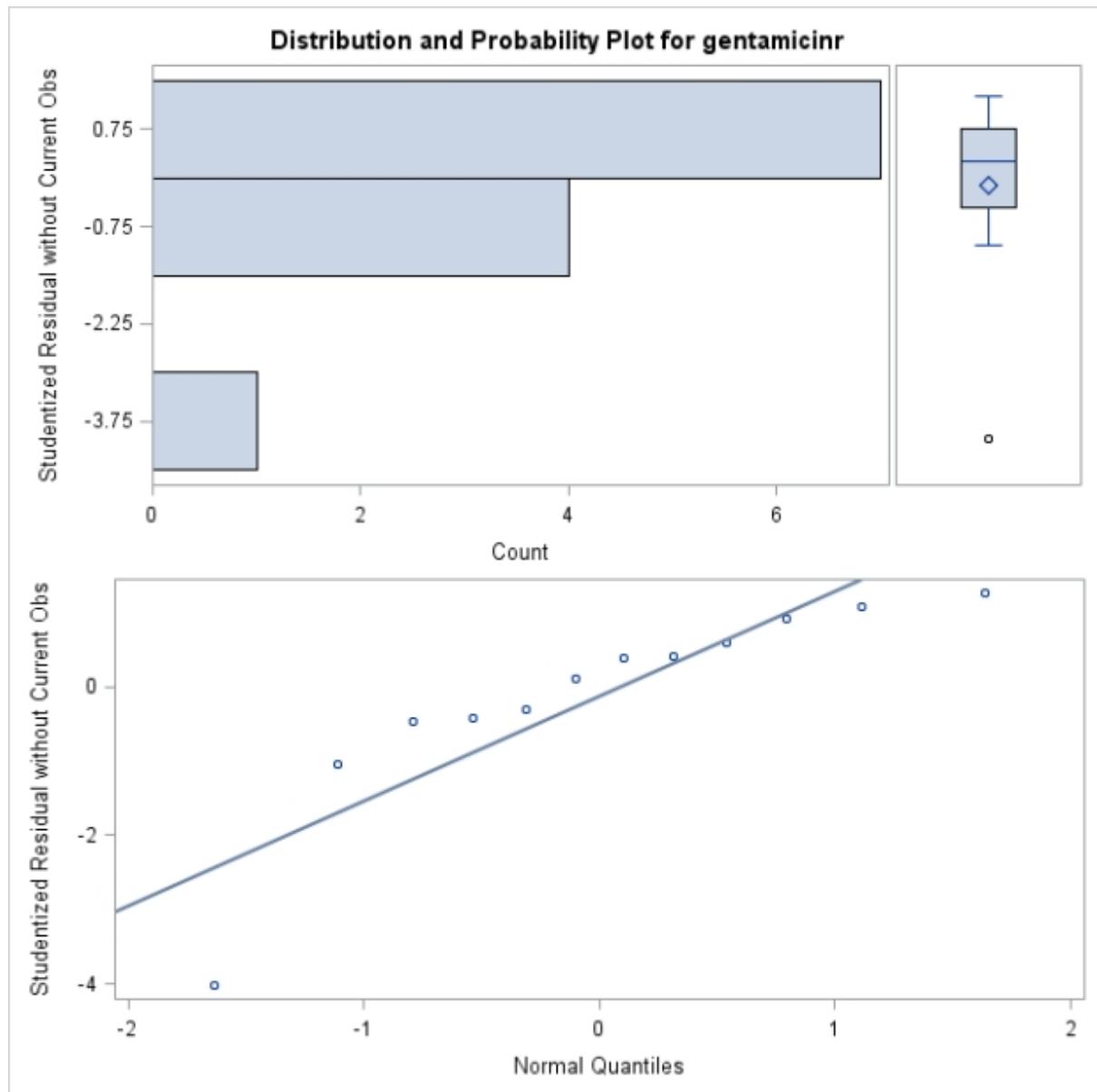
Tests for Normality				
Test	Statistic	p Value		
Shapiro-Wilk	W	0.792344	<b>Pr &lt; W</b>	0.0077
Kolmogorov-Smirnov	D	0.236712	<b>Pr &gt; D</b>	0.0627
Cramer-von Mises	W-Sq	0.127207	<b>Pr &gt; W-Sq</b>	0.0426
Anderson-Darling	A-Sq	0.855819	<b>Pr &gt; A-Sq</b>	0.0204

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	1.265033
<b>99%</b>	1.265033
<b>95%</b>	1.265033
<b>90%</b>	1.085931
<b>75% Q3</b>	0.761742
<b>50% Median</b>	0.251159
<b>25% Q1</b>	-0.445989
<b>10%</b>	-1.043573
<b>5%</b>	-4.023840
<b>1%</b>	-4.023840
<b>0% Min</b>	-4.023840

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-4.023840	2	0.413404	11
-1.043573	10	0.603660	1
-0.468302	7	0.919823	3

The UNIVARIATE Procedure  
Variable: gentamicinr (Studentized Residual without Current Obs)

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.423676	6	1.085931	4
-0.307355	8	1.265033	5



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**

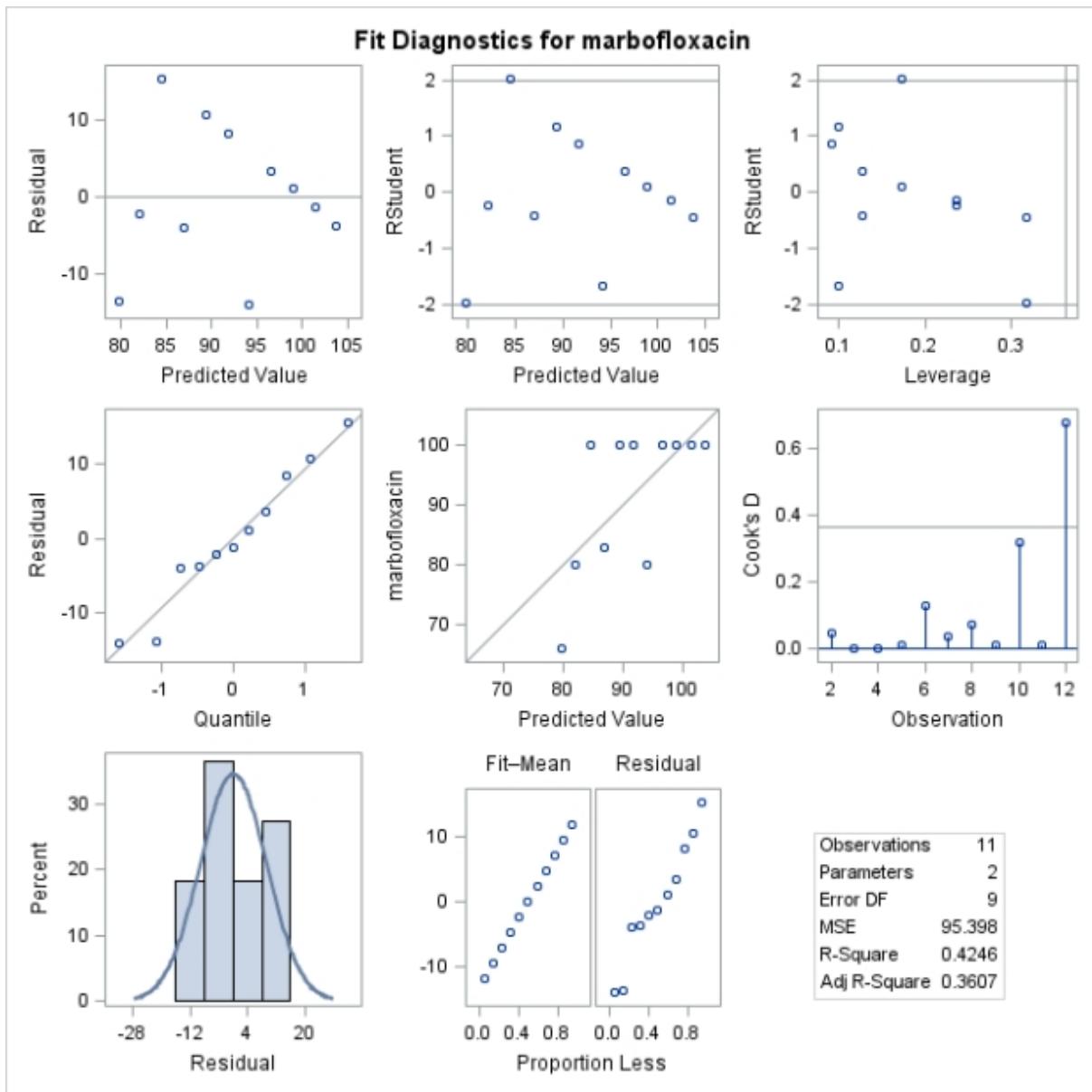
Number of Observations Read	12
Number of Observations Used	11
Number of Observations with Missing Values	1

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	633.60000	633.60000	6.64	0.0298
Error	9	858.58182	95.39798		
Corrected Total	10	1492.18182			

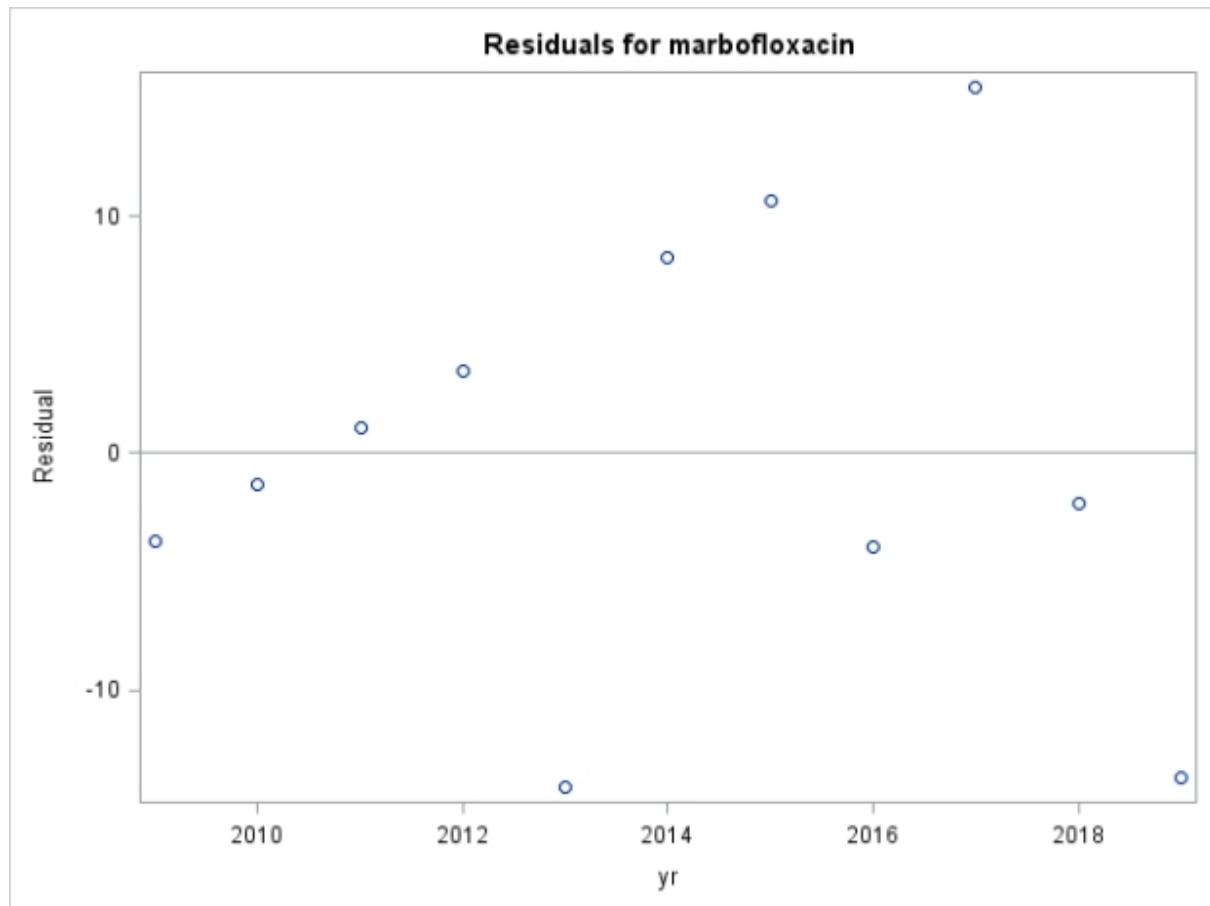
Root MSE	9.76719	R-Square	0.4246
Dependent Mean	91.72727	Adj R-Sq	0.3607
Coeff Var	10.64808		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	4925.32727	1875.56987	2.63	0.0275
yr	1	-2.40000	0.93126	-2.58	0.0298

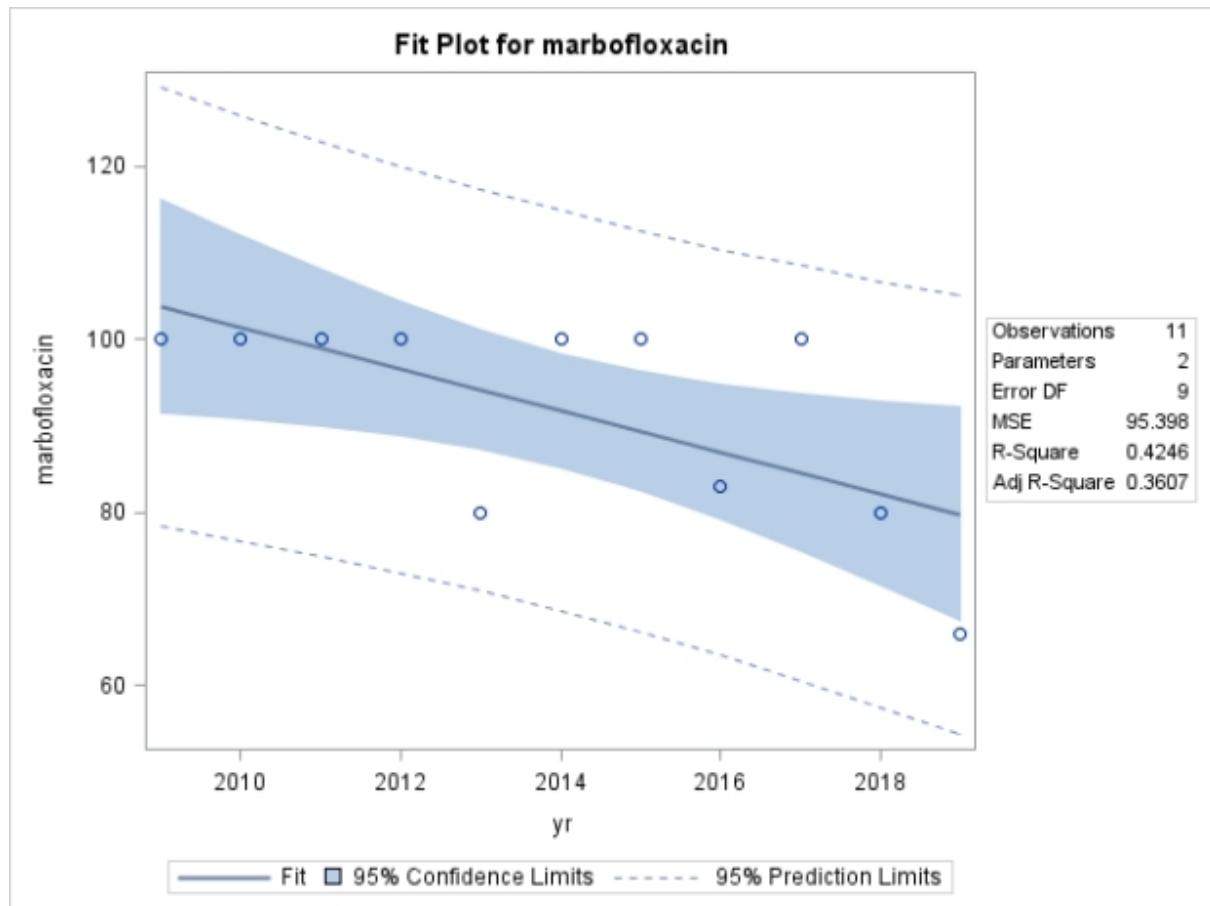
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



**The UNIVARIATE Procedure**  
**Variable: marbofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	11	<b>Sum Weights</b>	11
<b>Mean</b>	-0.0278216	<b>Sum Observations</b>	-0.3060371
<b>Std Deviation</b>	1.1566295	<b>Variance</b>	1.33779179
<b>Skewness</b>	-0.0435708	<b>Kurtosis</b>	0.05319282
<b>Uncorrected SS</b>	13.3864323	<b>Corrected SS</b>	13.3779179
<b>Coeff Variation</b>	-4157.3143	<b>Std Error Mean</b>	0.34873691

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.02782	<b>Std Deviation</b>	1.15663
<b>Median</b>	-0.14681	<b>Variance</b>	1.33779
<b>Mode</b>	.	<b>Range</b>	3.96553
		<b>Interquartile Range</b>	1.31784

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t	-0.07978	<b>Pr &gt;  t </b>	0.9380
Sign	M	-0.5	<b>Pr &gt;=  M </b>	1.0000
Signed Rank	S	-2	<b>Pr &gt;=  S </b>	0.8984

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W	0.967036	<b>Pr &lt; W</b>	0.8551
Kolmogorov-Smirnov	D	0.178647	<b>Pr &gt; D</b>	>0.1500
Cramer-von Mises	W-Sq	0.038118	<b>Pr &gt; W-Sq</b>	>0.2500
Anderson-Darling	A-Sq	0.235038	<b>Pr &gt; A-Sq</b>	>0.2500

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	2.016780
<b>99%</b>	2.016780
<b>95%</b>	2.016780
<b>90%</b>	1.176084
<b>75% Q3</b>	0.876851
<b>50% Median</b>	-0.146810
<b>25% Q1</b>	-0.440988
<b>10%</b>	-1.669058
<b>5%</b>	-1.948752
<b>1%</b>	-1.948752
<b>0% Min</b>	-1.948752

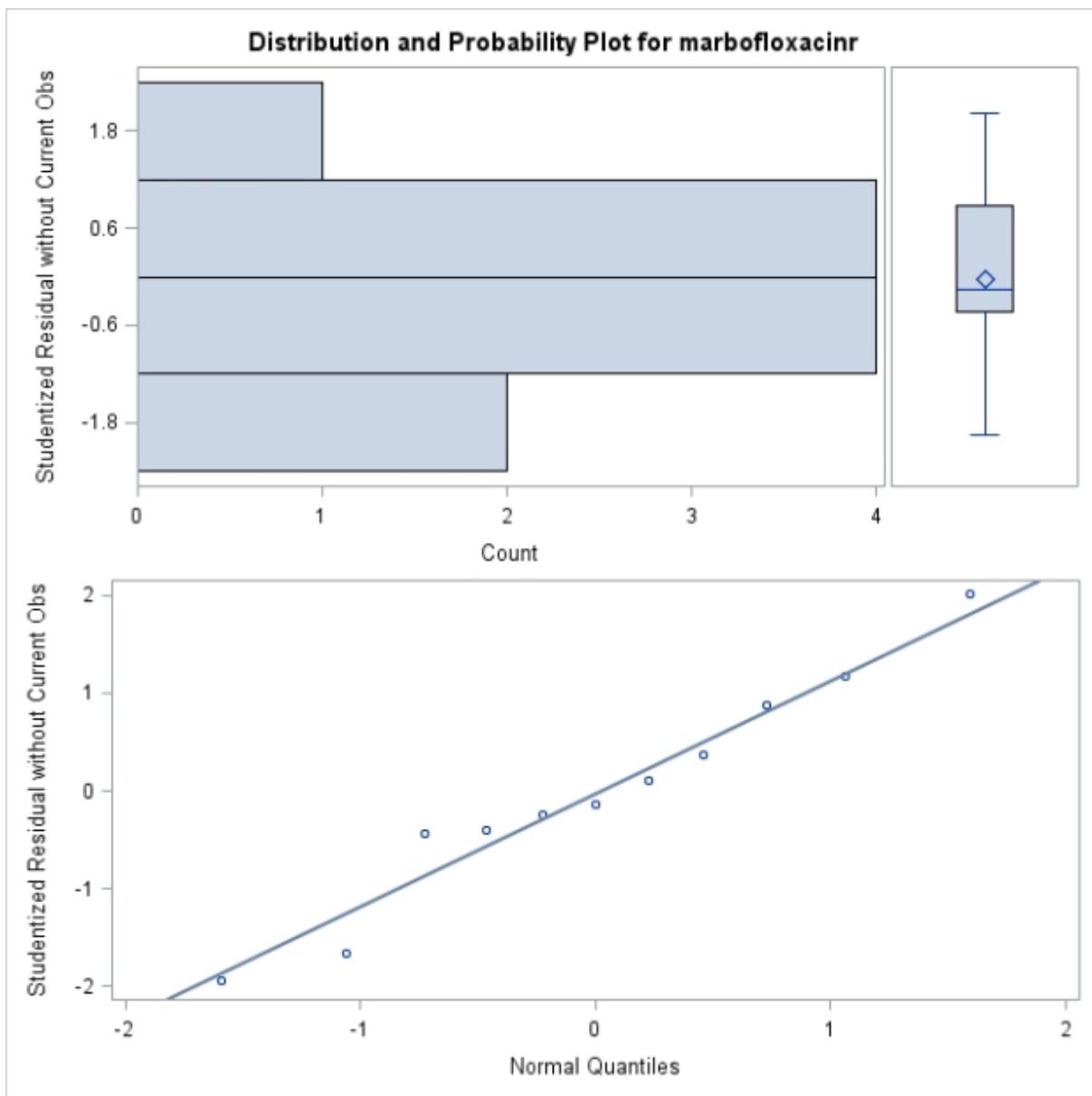
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-1.948752	12	0.113939	4
-1.669058	6	0.361750	5
-0.440988	2	0.876851	7

**The UNIVARIATE Procedure****Variable: marbofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.410036	9	1.176084	8
-0.235797	11	2.016780	10

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	8.33	100.00

The UNIVARIATE Procedure  
Variable: marbofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: neomycin**

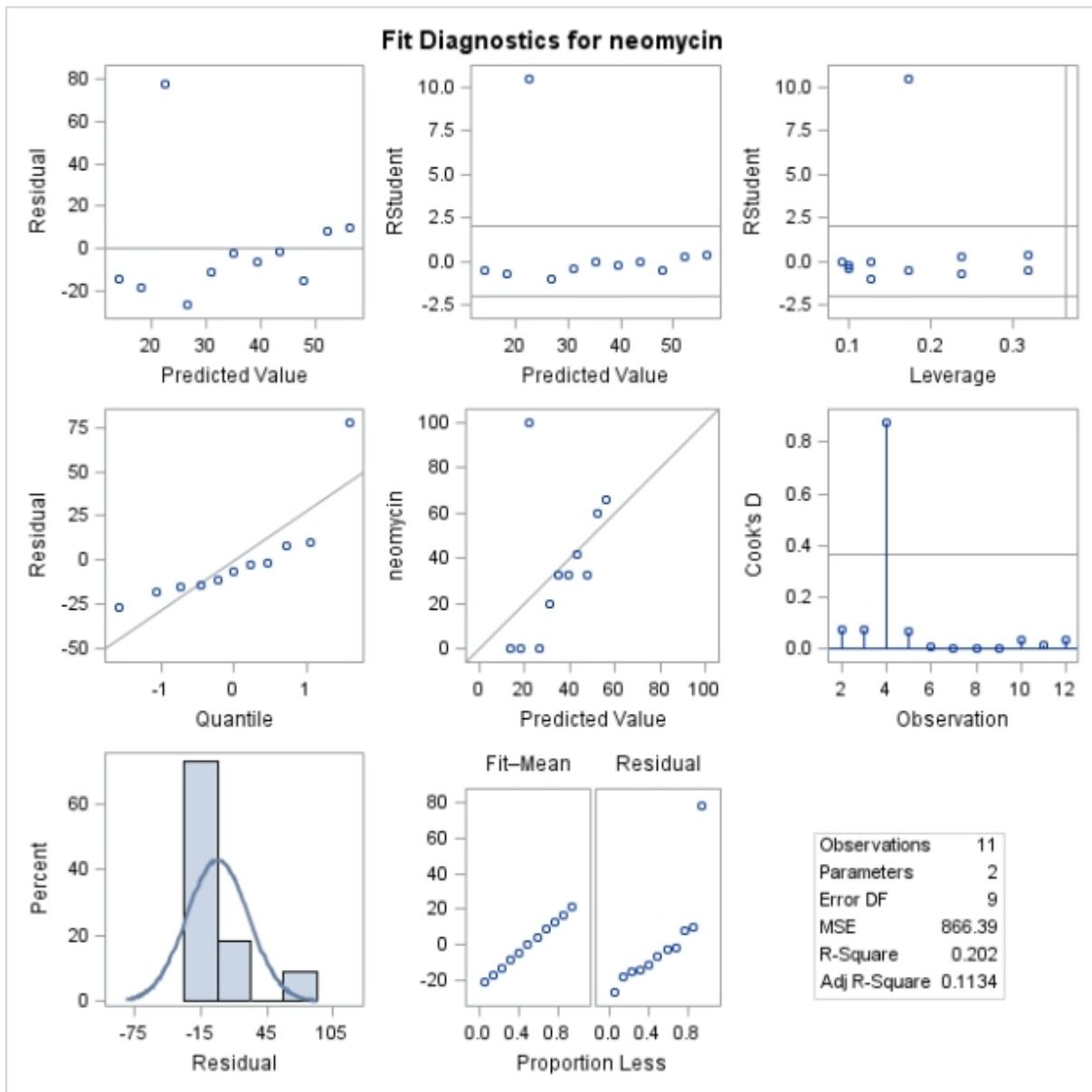
Number of Observations Read	12
Number of Observations Used	11
Number of Observations with Missing Values	1

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1974.14545	1974.14545	2.28	0.1654
Error	9	7797.49091	866.38788		
Corrected Total	10	9771.63636			

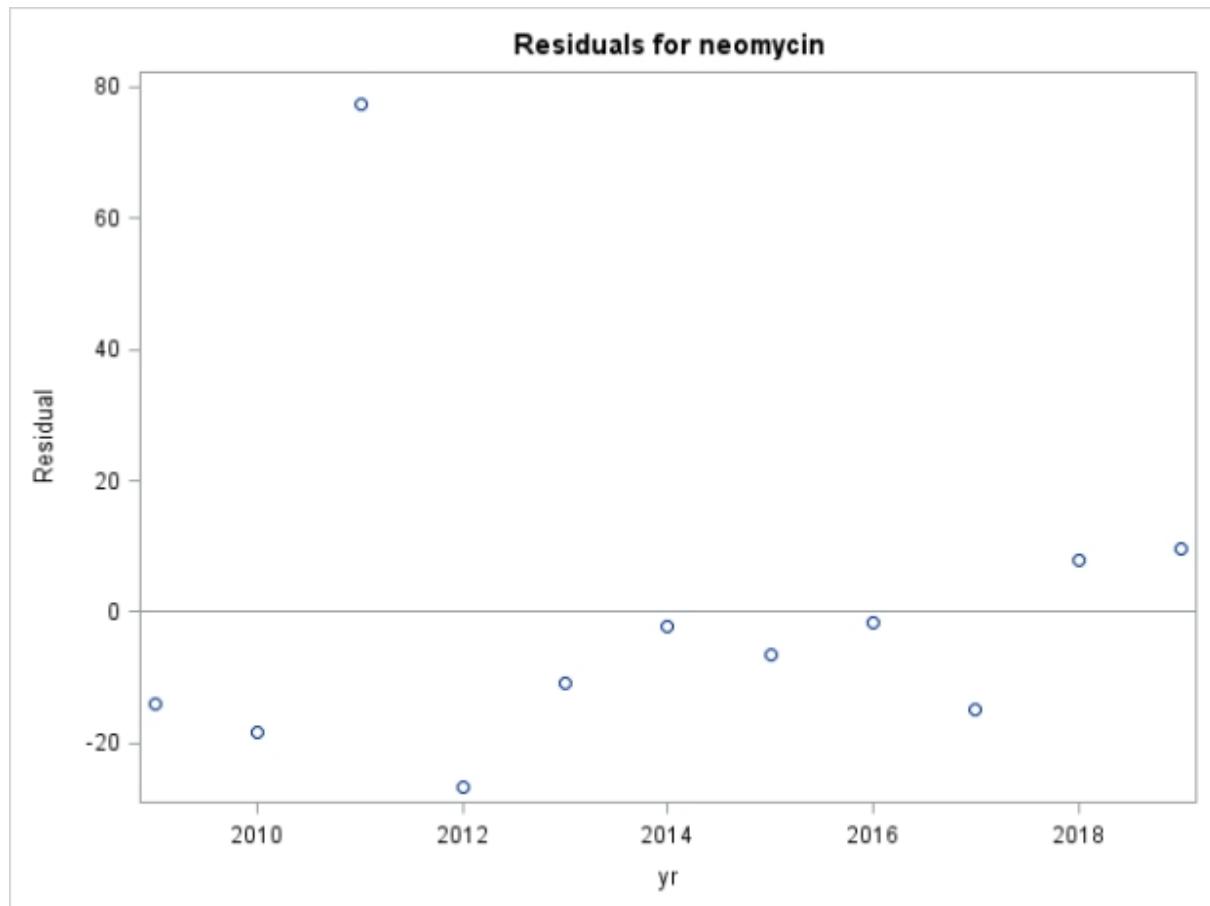
Root MSE	29.43447	R-Square	0.2020
Dependent Mean	35.18182	Adj R-Sq	0.1134
Coeff Var	83.66386		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-8496.85455	5652.23022	-1.50	0.1670
yr	1	4.23636	2.80647	1.51	0.1654

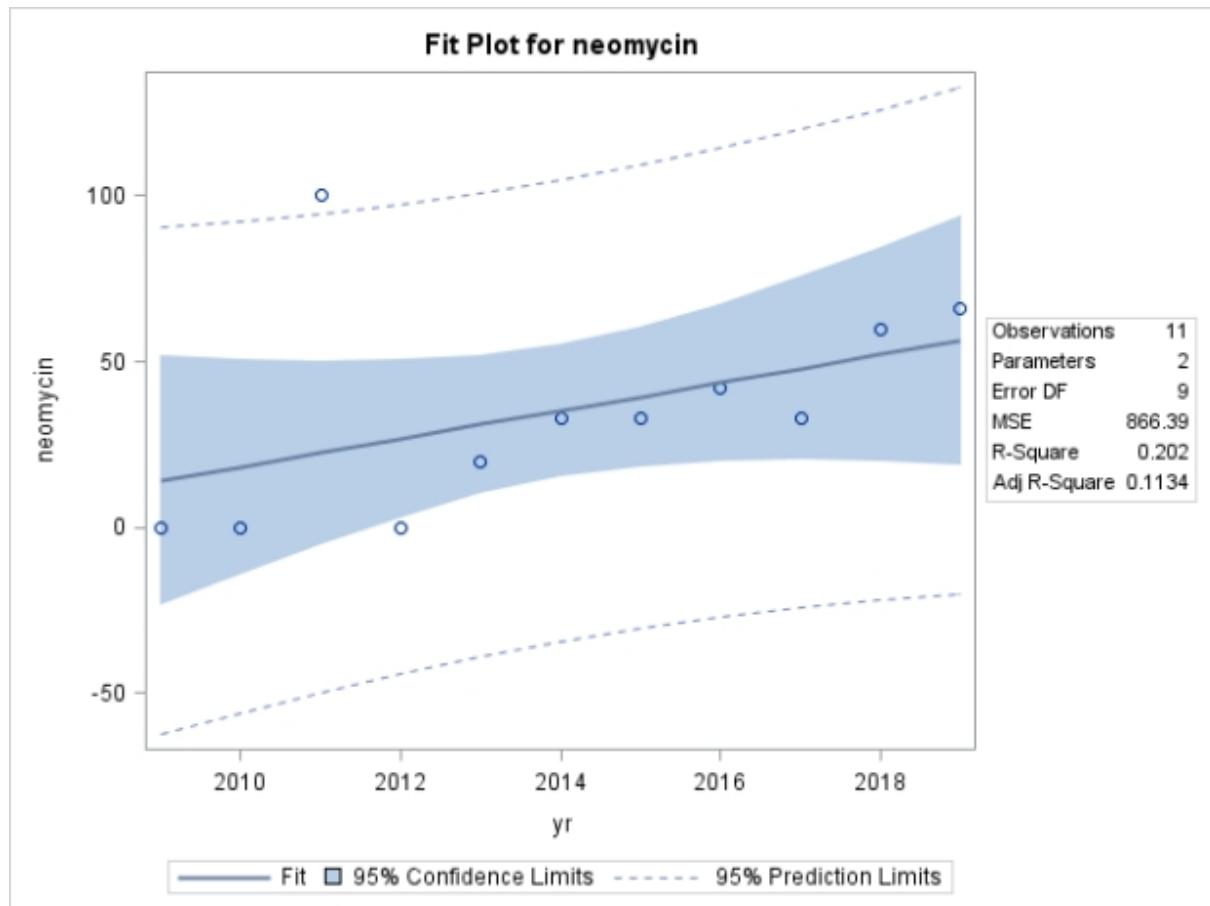
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: neomycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: neomycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: neomycin



**The UNIVARIATE Procedure**  
**Variable: neomycinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	11	<b>Sum Weights</b>	11
<b>Mean</b>	0.69599053	<b>Sum Observations</b>	7.65589578
<b>Std Deviation</b>	3.2608609	<b>Variance</b>	10.6332138
<b>Skewness</b>	3.22343727	<b>Kurtosis</b>	10.5513427
<b>Uncorrected SS</b>	111.660569	<b>Corrected SS</b>	106.332138
<b>Coeff Variation</b>	468.520875	<b>Std Error Mean</b>	0.98318655

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	0.69599	<b>Std Deviation</b>	3.26086
<b>Median</b>	-0.21734	<b>Variance</b>	10.63321
<b>Mode</b>	.	<b>Range</b>	11.41962
		<b>Interquartile Range</b>	0.84346

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	<b>p Value</b>		
Student's t	t	0.707893	<b>Pr &gt;  t </b>	0.4952
Sign	M	-2.5	<b>Pr &gt;=  M </b>	0.2266
Signed Rank	S	-12	<b>Pr &gt;=  S </b>	0.3203

<b>Tests for Normality</b>				
Test	Statistic	<b>p Value</b>		
Shapiro-Wilk	W	0.46454	<b>Pr &lt; W</b>	<0.0001
Kolmogorov-Smirnov	D	0.448041	<b>Pr &gt; D</b>	<0.0100
Cramer-von Mises	W-Sq	0.521033	<b>Pr &gt; W-Sq</b>	<0.0050
Anderson-Darling	A-Sq	2.658058	<b>Pr &gt; A-Sq</b>	<0.0050

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	10.451714
<b>99%</b>	10.451714
<b>95%</b>	10.451714
<b>90%</b>	0.377114
<b>75% Q3</b>	0.290083
<b>50% Median</b>	-0.217339
<b>25% Q1</b>	-0.553373
<b>10%</b>	-0.687927
<b>5%</b>	-0.967909
<b>1%</b>	-0.967909
<b>0% Min</b>	-0.967909

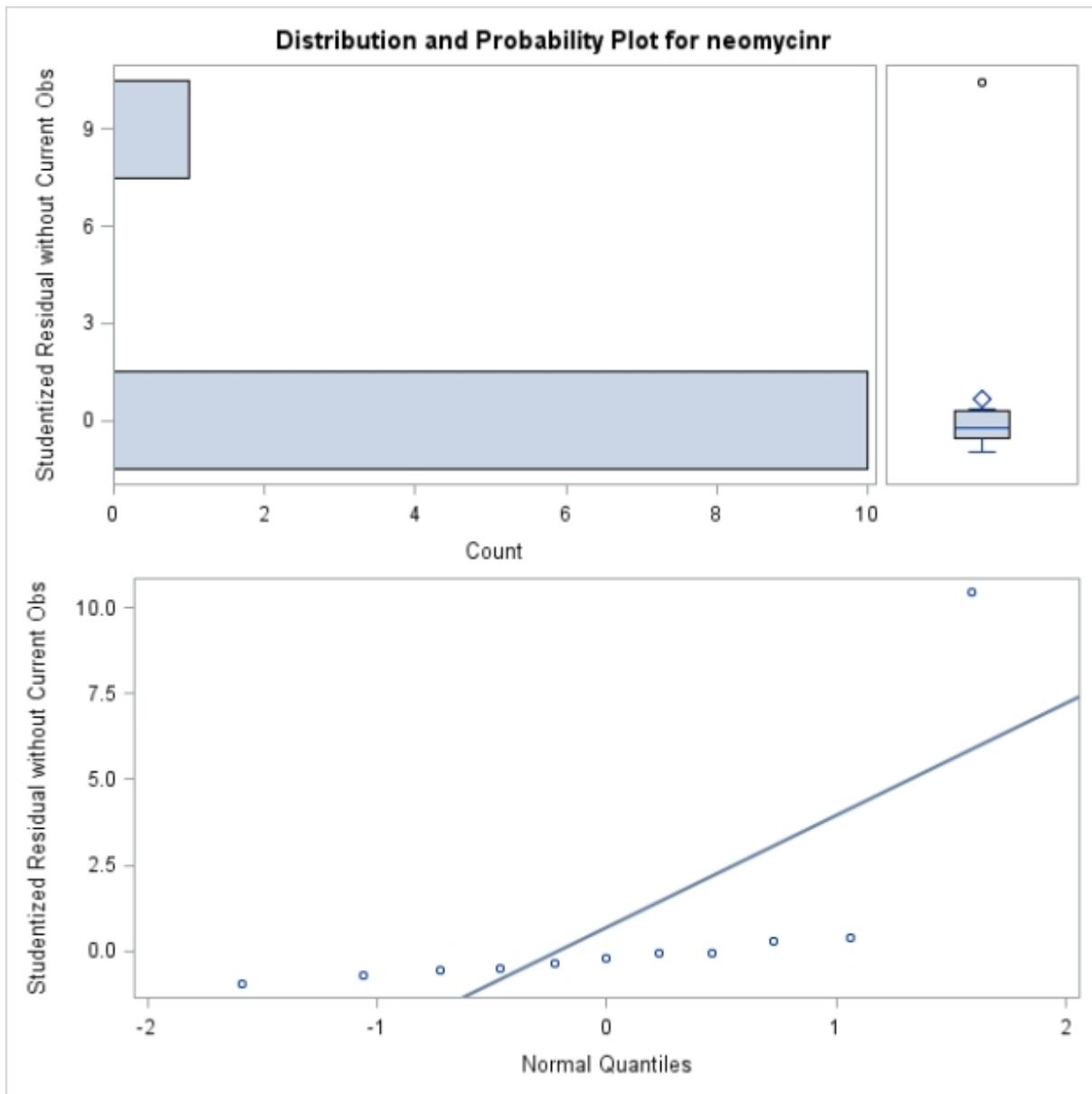
<b>Extreme Observations</b>				
<b>Lowest</b>		<b>Highest</b>		
Value	Obs	Value	Obs	
-0.967909	5	-0.0733210	7	
-0.687927	3	-0.0567407	9	
-0.553373	2	0.2900825	11	

**The UNIVARIATE Procedure****Variable: neomycinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.533654	10	0.3771141	12
-0.372751	6	10.4517142	4

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	8.33	100.00

The UNIVARIATE Procedure  
Variable: neomycinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ofloxacin**

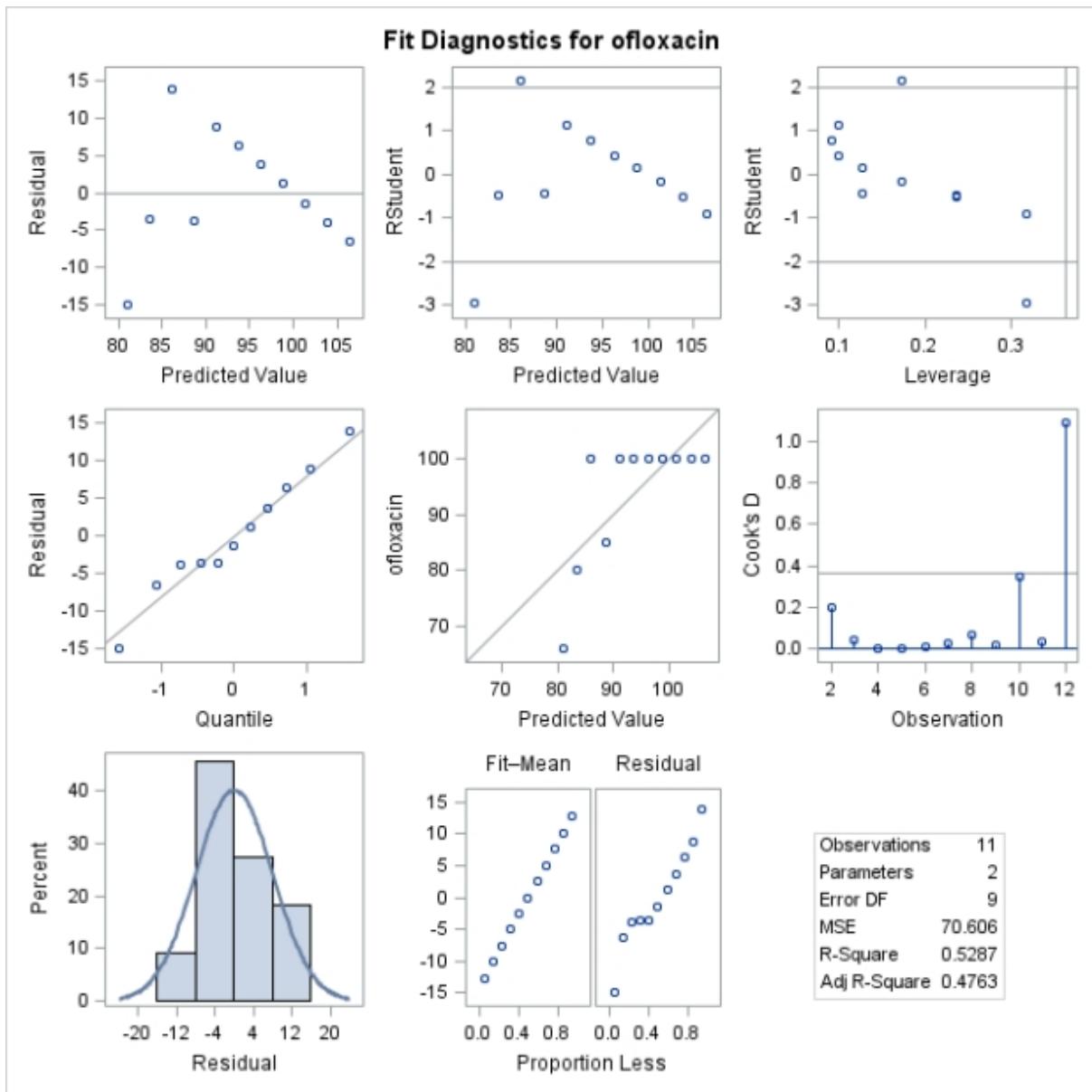
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	11
<b>Number of Observations with Missing Values</b>	1

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	712.72727	712.72727	10.09	0.0112
<b>Error</b>	9	635.45455	70.60606		
<b>Corrected Total</b>	10	1348.18182			

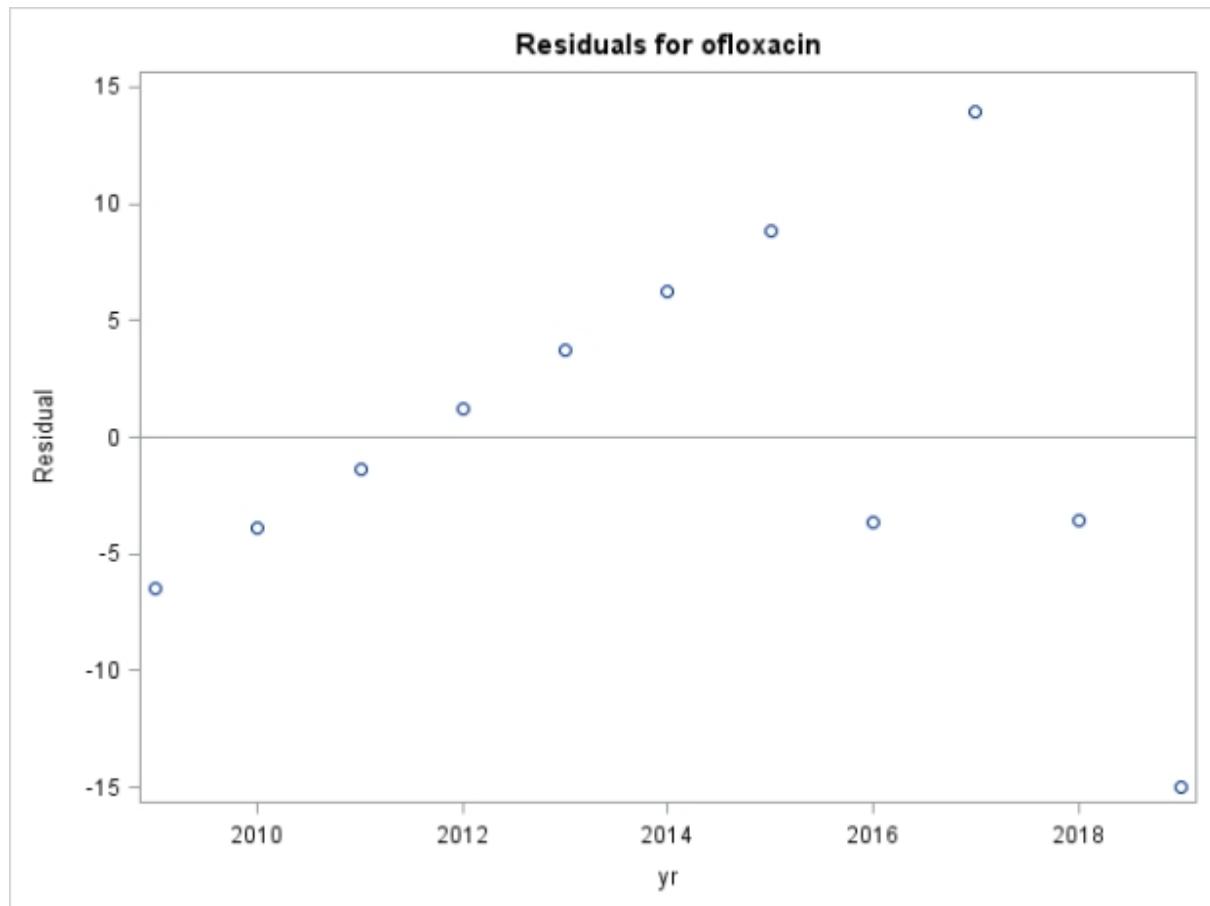
<b>Root MSE</b>	8.40274	<b>R-Square</b>	0.5287
<b>Dependent Mean</b>	93.72727	<b>Adj R-Sq</b>	0.4763
<b>Coeff Var</b>	8.96510		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	5220.27273	1613.55826	3.24	0.0102
<b>yr</b>	1	-2.54545	0.80117	-3.18	0.0112

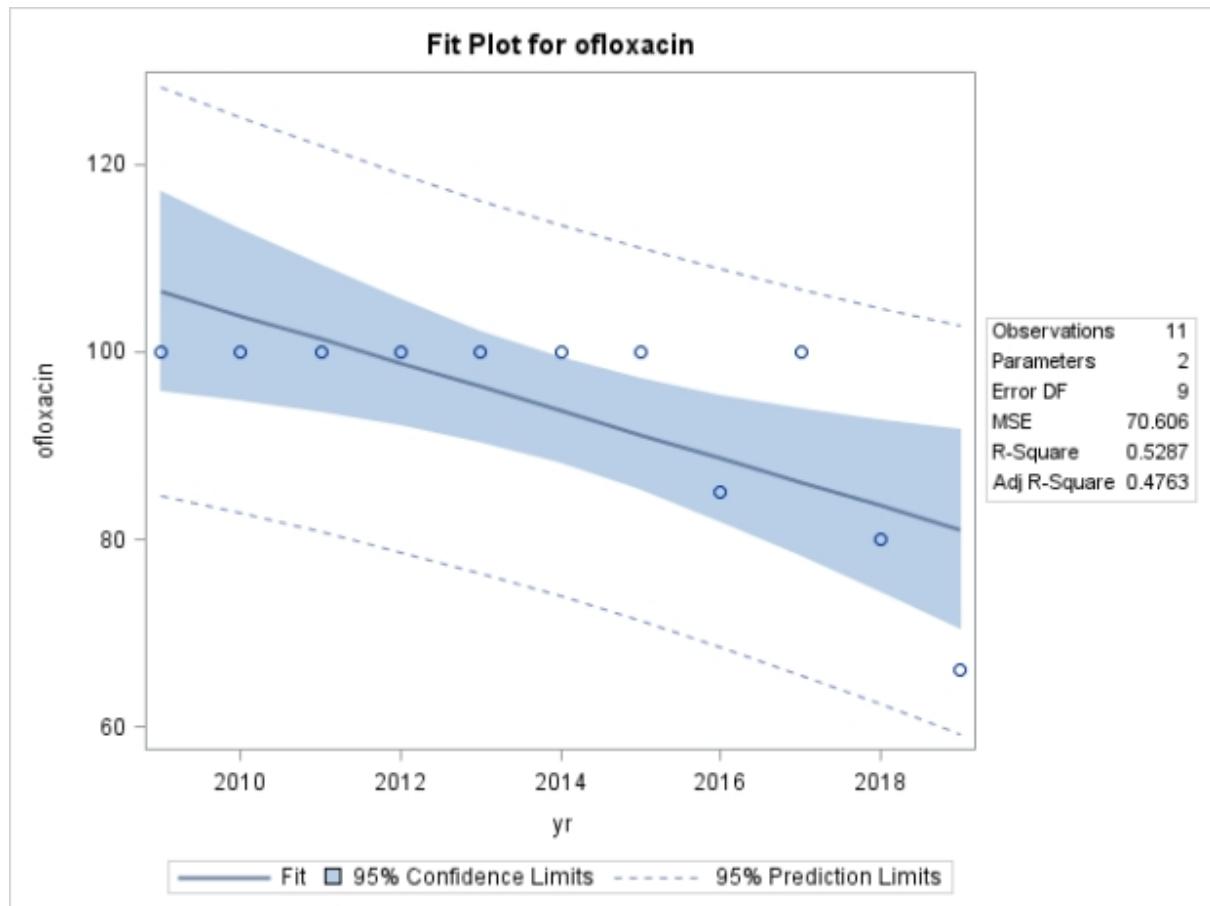
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: ofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: ofloxacin



**The UNIVARIATE Procedure**  
**Variable: ofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	11	<b>Sum Weights</b>	11
<b>Mean</b>	-0.0737096	<b>Sum Observations</b>	-0.8108053
<b>Std Deviation</b>	1.29816574	<b>Variance</b>	1.6852343
<b>Skewness</b>	-0.6021965	<b>Kurtosis</b>	1.99923937
<b>Uncorrected SS</b>	16.9121071	<b>Corrected SS</b>	16.852343
<b>Coeff Variation</b>	-1761.1902	<b>Std Error Mean</b>	0.3914117

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.07371	<b>Std Deviation</b>	1.29817
<b>Median</b>	-0.16852	<b>Variance</b>	1.68523
<b>Mode</b>	.	<b>Range</b>	5.09823
		<b>Interquartile Range</b>	1.27468

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t	-0.18832	<b>Pr &gt;  t </b>	0.8544
Sign	M	-0.5	<b>Pr &gt;=  M </b>	1.0000
Signed Rank	S	-2	<b>Pr &gt;=  S </b>	0.8984

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W	0.94553	<b>Pr &lt; W</b>	0.5875
Kolmogorov-Smirnov	D	0.186582	<b>Pr &gt; D</b>	>0.1500
Cramer-von Mises	W-Sq	0.052505	<b>Pr &gt; W-Sq</b>	>0.2500
Anderson-Darling	A-Sq	0.344055	<b>Pr &gt; A-Sq</b>	>0.2500

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	2.158358
<b>99%</b>	2.158358
<b>95%</b>	2.158358
<b>90%</b>	1.122006
<b>75% Q3</b>	0.764669
<b>50% Median</b>	-0.168518
<b>25% Q1</b>	-0.510015
<b>10%</b>	-0.922545
<b>5%</b>	-2.939874
<b>1%</b>	-2.939874
<b>0% Min</b>	-2.939874

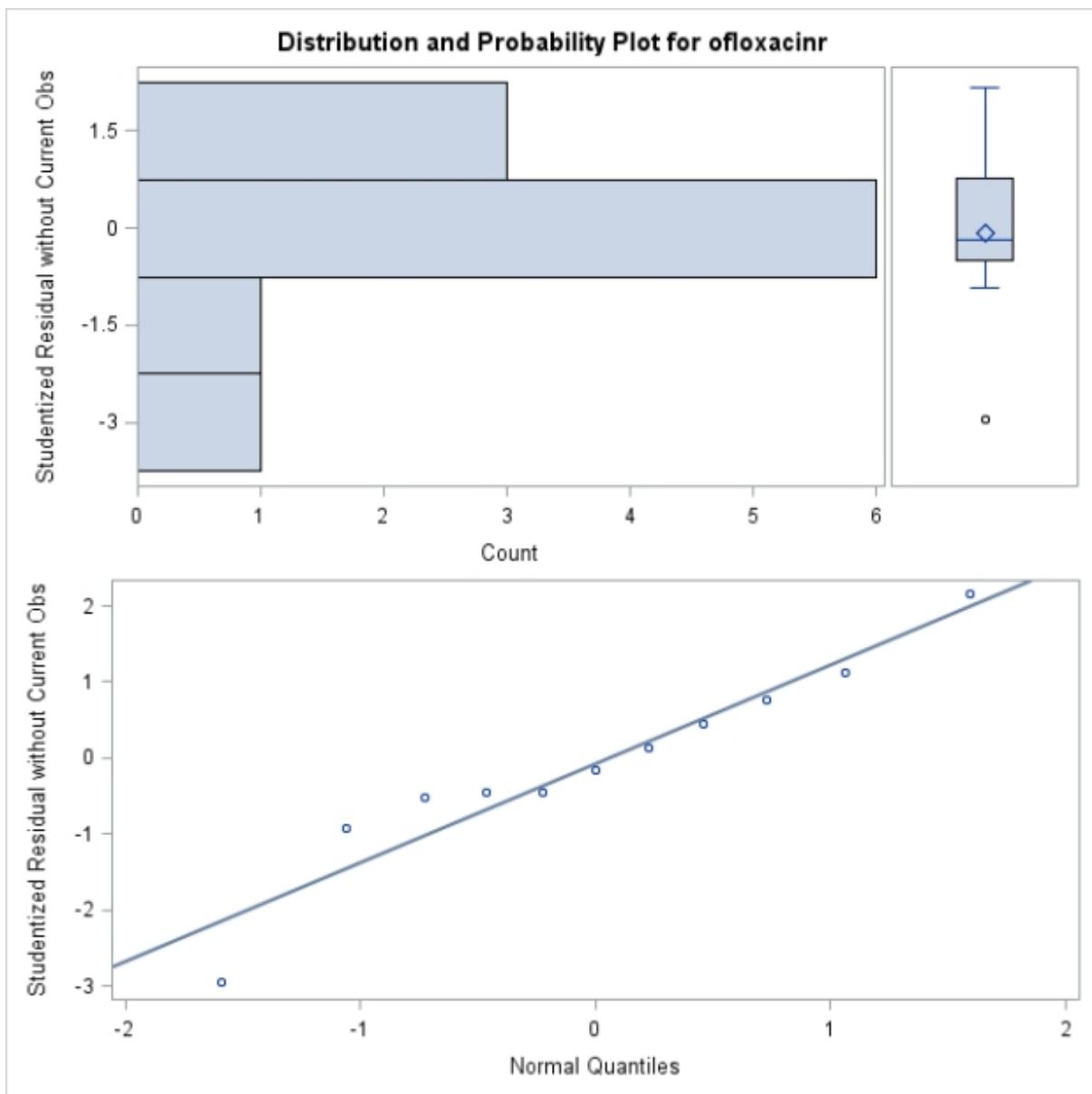
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.939874	12	0.142122	5
-0.922545	2	0.446285	6
-0.510015	3	0.764669	7

**The UNIVARIATE Procedure****Variable: ofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.461244	11	1.122006	8
-0.442050	9	2.158358	10

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	8.33	100.00

The UNIVARIATE Procedure  
Variable: ofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**

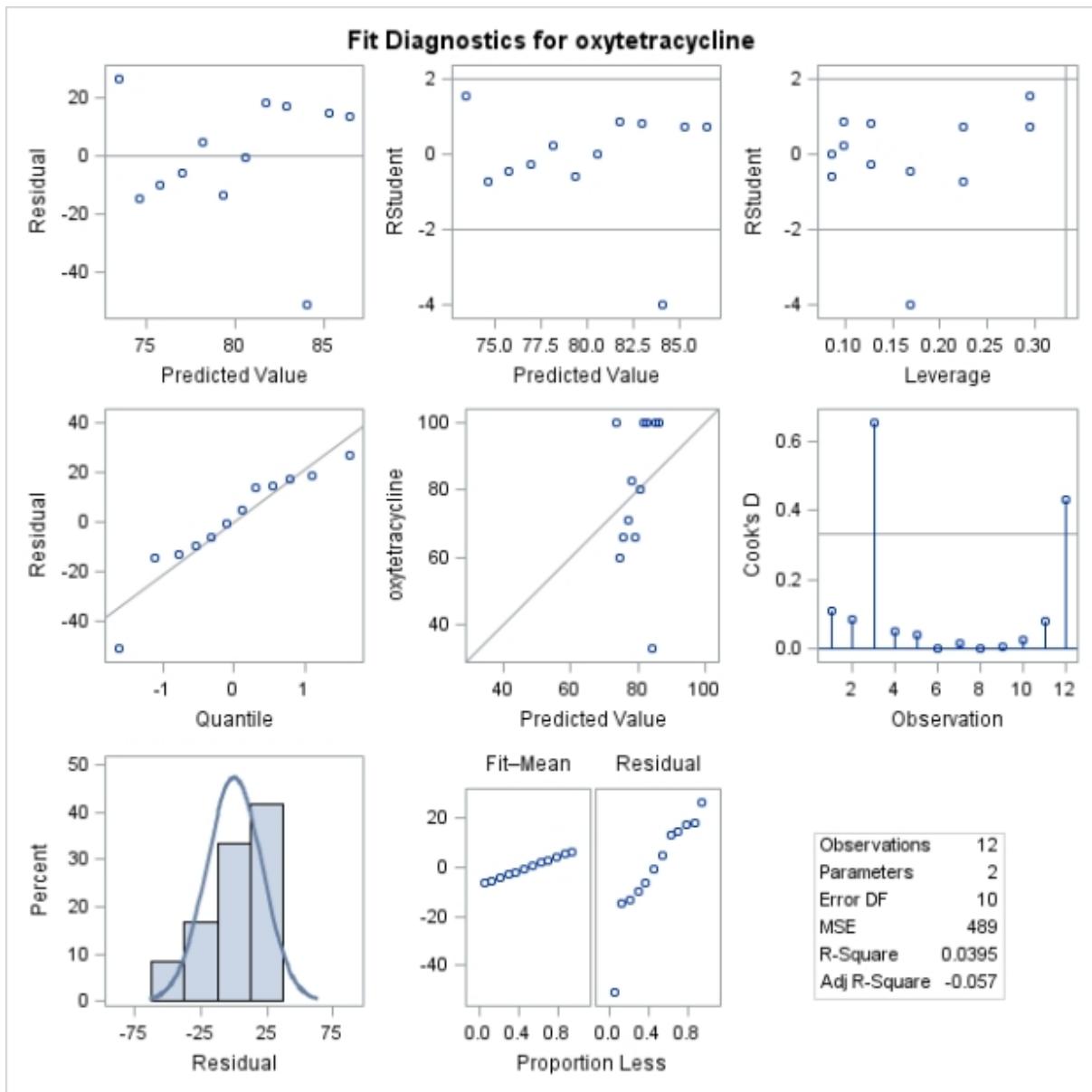
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	12

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	200.91084	200.91084	0.41	0.5359
<b>Error</b>	10	4890.00583	489.00058		
<b>Corrected Total</b>	11	5090.91667			

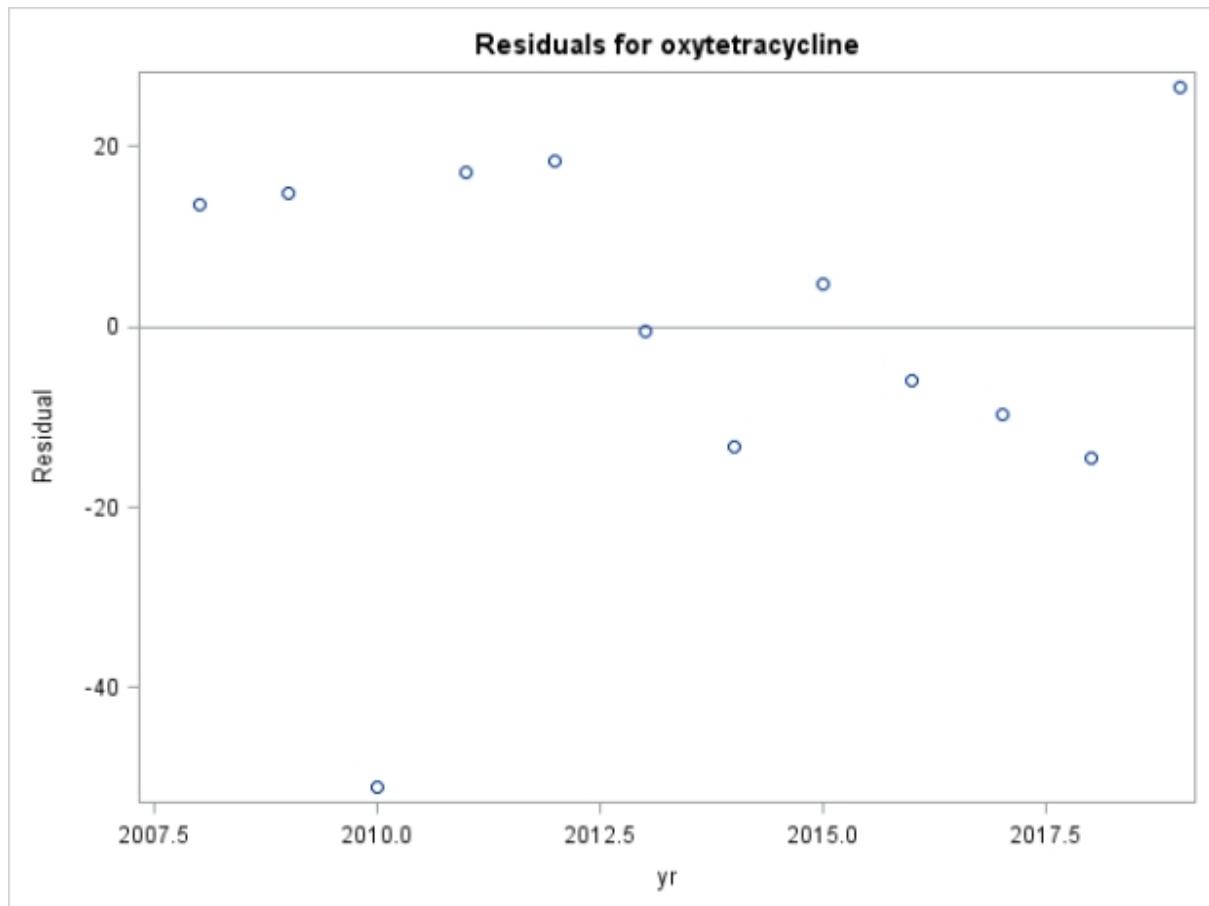
<b>Root MSE</b>	22.11336	<b>R-Square</b>	0.0395
<b>Dependent Mean</b>	79.91667	<b>Adj R-Sq</b>	-0.0566
<b>Coeff Var</b>	27.67052		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	2466.54779	3723.39355	0.66	0.5227
<b>yr</b>	1	-1.18531	1.84921	-0.64	0.5359

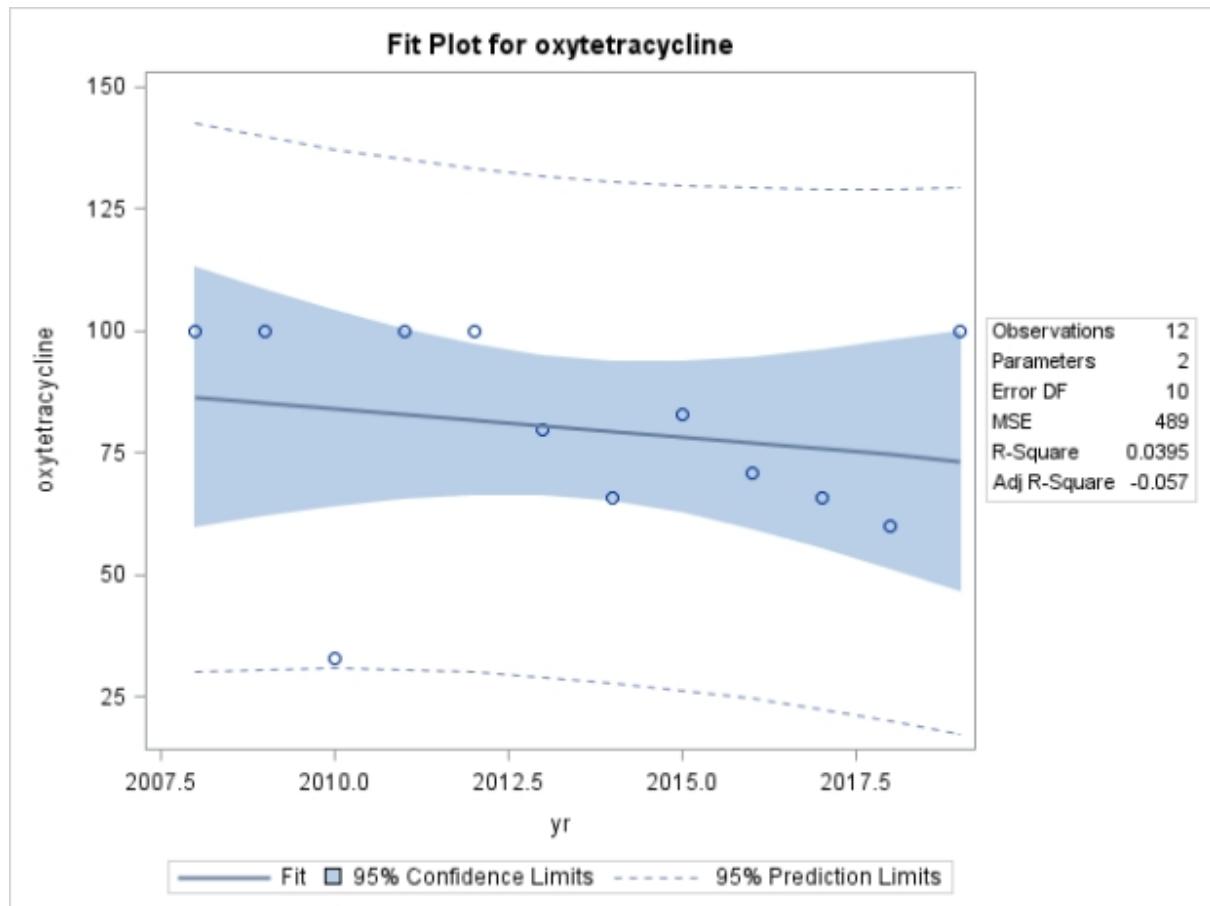
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



**The UNIVARIATE Procedure**  
**Variable: oxytetracycliner (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	12	<b>Sum Weights</b>	12
<b>Mean</b>	-0.1038321	<b>Sum Observations</b>	-1.2459855
<b>Std Deviation</b>	1.41491043	<b>Variance</b>	2.00197154
<b>Skewness</b>	-2.0444286	<b>Kurtosis</b>	5.55160055
<b>Uncorrected SS</b>	22.1510603	<b>Corrected SS</b>	22.0216869
<b>Coeff Variation</b>	-1362.6904	<b>Std Error Mean</b>	0.40844946

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.10383	<b>Std Deviation</b>	1.41491
<b>Median</b>	0.09873	<b>Variance</b>	2.00197
<b>Mode</b>	.	<b>Range</b>	5.53944
		<b>Interquartile Range</b>	1.31494

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.25421	<b>Pr &gt;  t </b>	0.8040	
Sign	M 0	<b>Pr &gt;=  M </b>	1.0000	
Signed Rank	S 7	<b>Pr &gt;=  S </b>	0.6221	

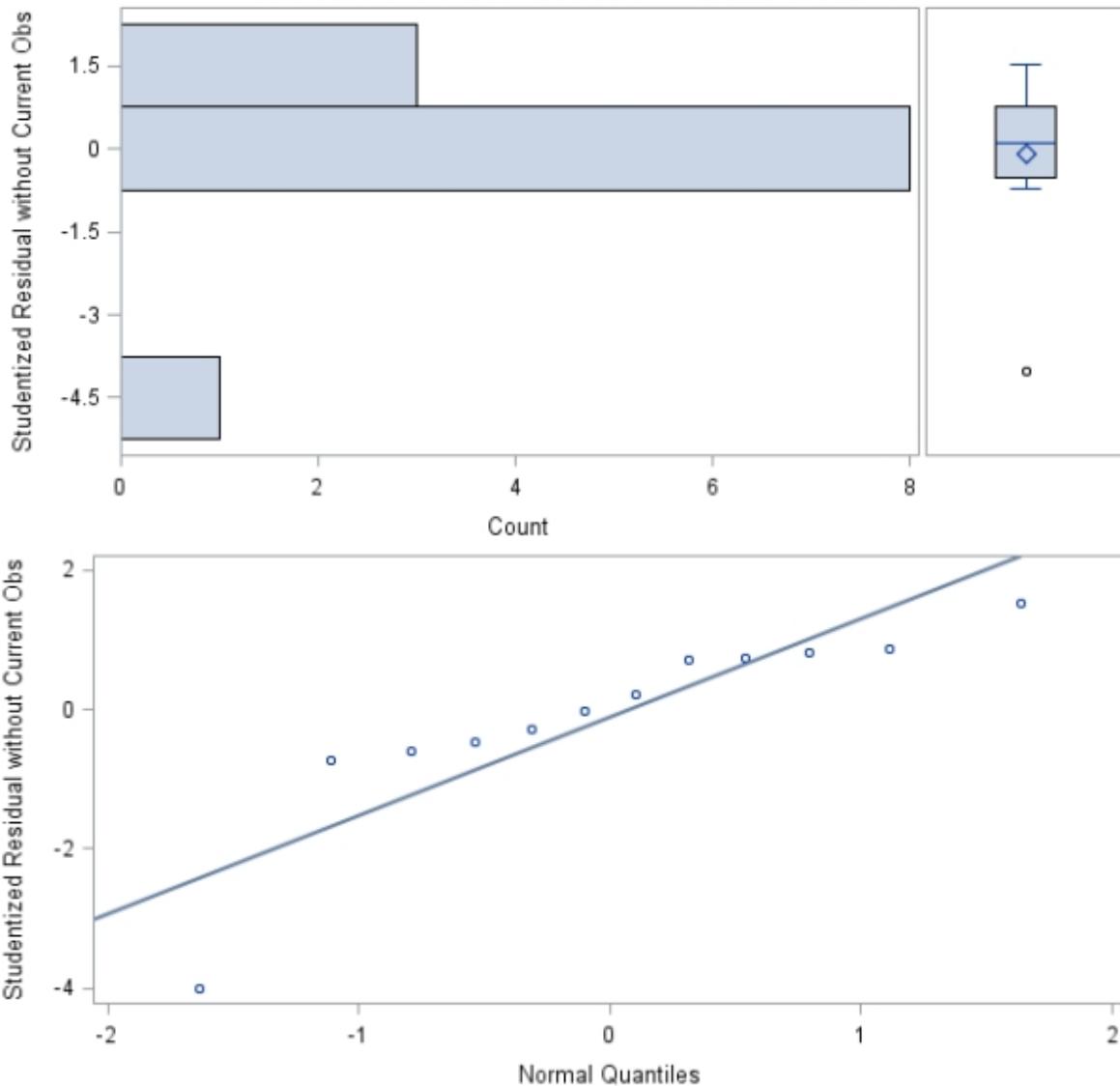
<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.795755	<b>Pr &lt; W</b>	0.0084	
Kolmogorov-Smirnov	D 0.245345	<b>Pr &gt; D</b>	0.0447	
Cramer-von Mises	W-Sq 0.130452	<b>Pr &gt; W-Sq</b>	0.0388	
Anderson-Darling	A-Sq 0.877153	<b>Pr &gt; A-Sq</b>	0.0183	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.5245406
<b>99%</b>	1.5245406
<b>95%</b>	1.5245406
<b>90%</b>	0.8607496
<b>75% Q3</b>	0.7774295
<b>50% Median</b>	0.0987345
<b>25% Q1</b>	-0.5375072
<b>10%</b>	-0.7314388
<b>5%</b>	-4.0148973
<b>1%</b>	-4.0148973
<b>0% Min</b>	-4.0148973

<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-4.014897	3	0.712247	1
-0.731439	11	0.740304	2
-0.609821	7	0.814555	4

**The UNIVARIATE Procedure****Variable: oxytetracycliner (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-0.465193	10	0.860750	5
-0.274501	9	1.524541	12

**Distribution and Probability Plot for oxytetracycliner**

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: polymyxin\_b**

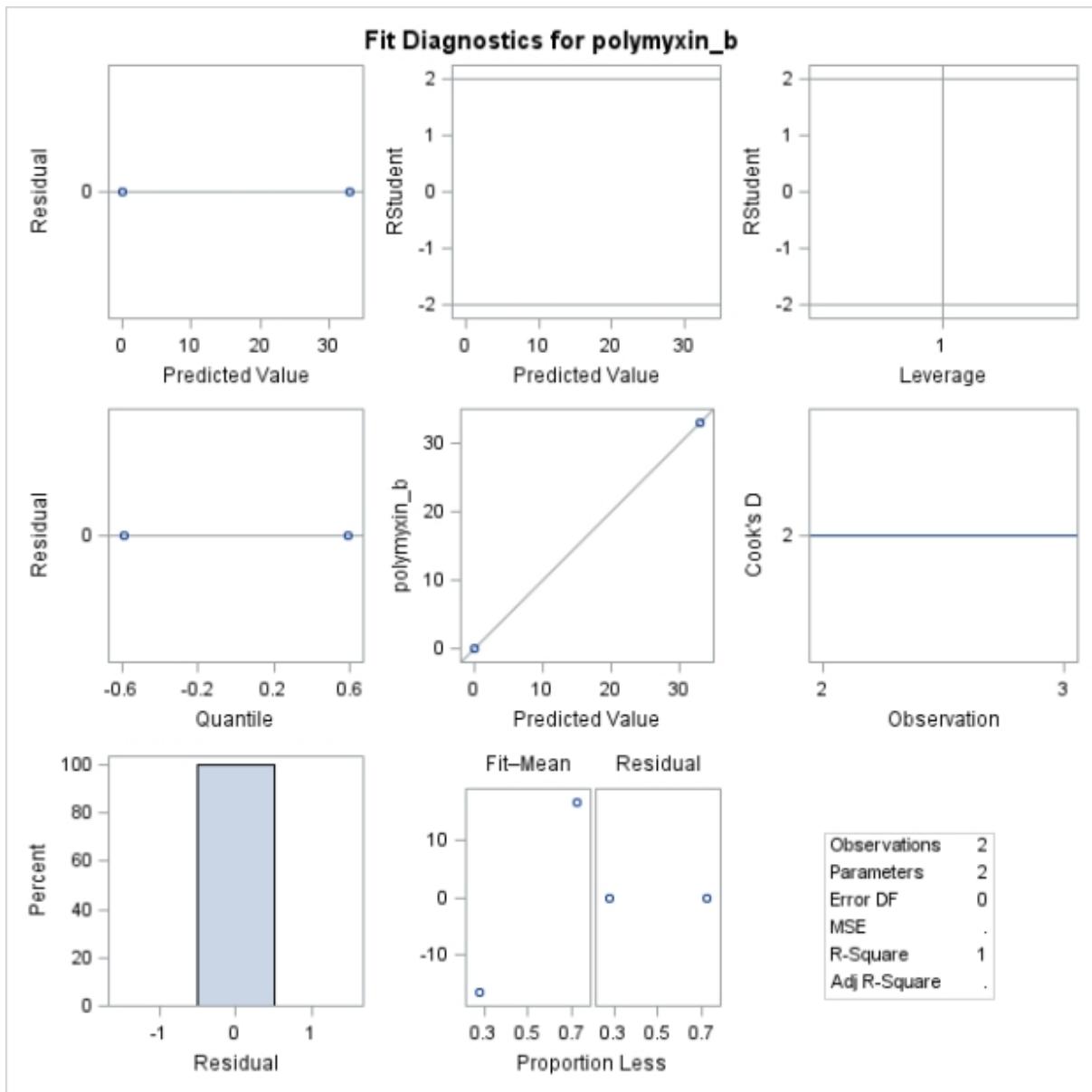
Number of Observations Read	12
Number of Observations Used	2
Number of Observations with Missing Values	10

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	544.50000	544.50000	.	.
Error	0	0		.	.
Corrected Total	1	544.50000			

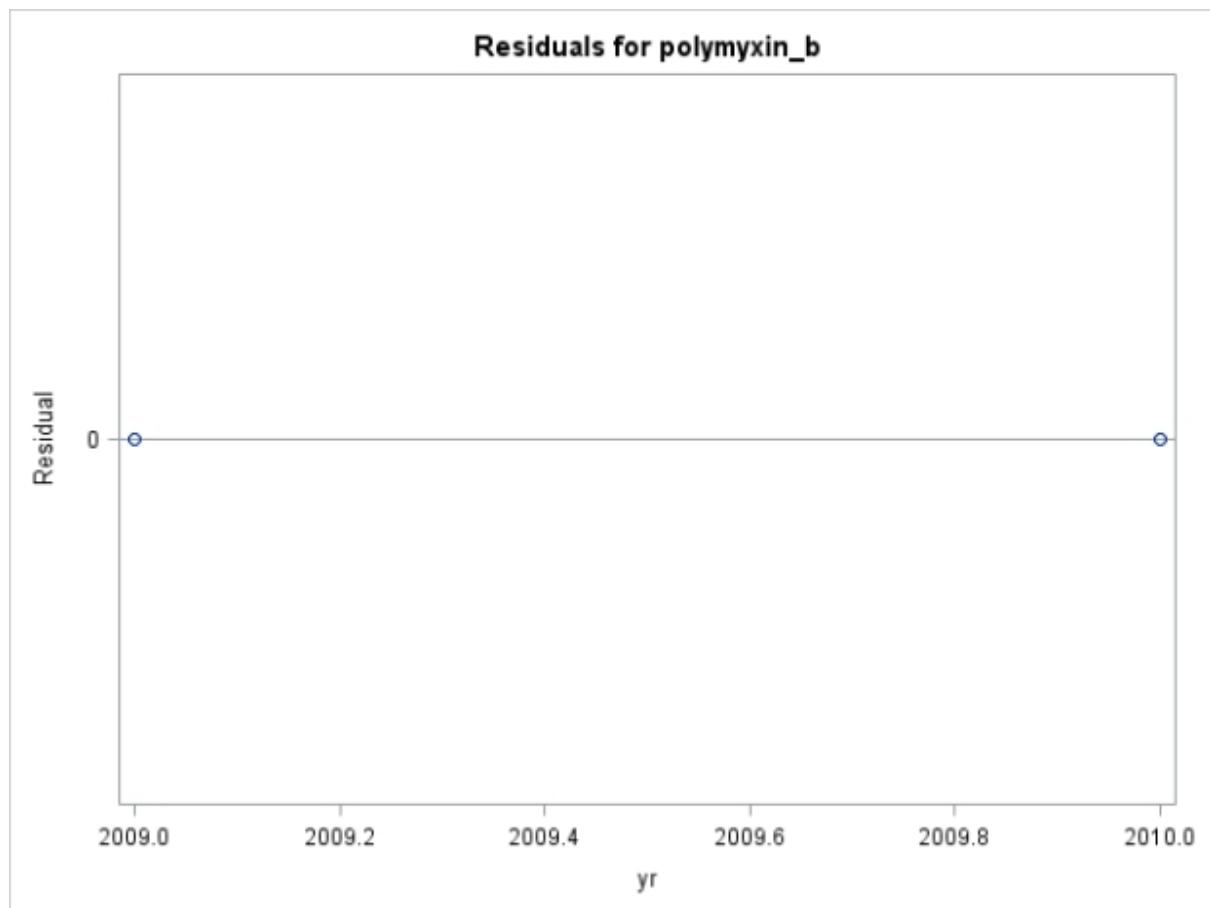
Root MSE	.	R-Square	1.0000
Dependent Mean	16.50000	Adj R-Sq	.
Coeff Var	.		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-66297	.	.	.
yr	1	33.00000	.	.	.

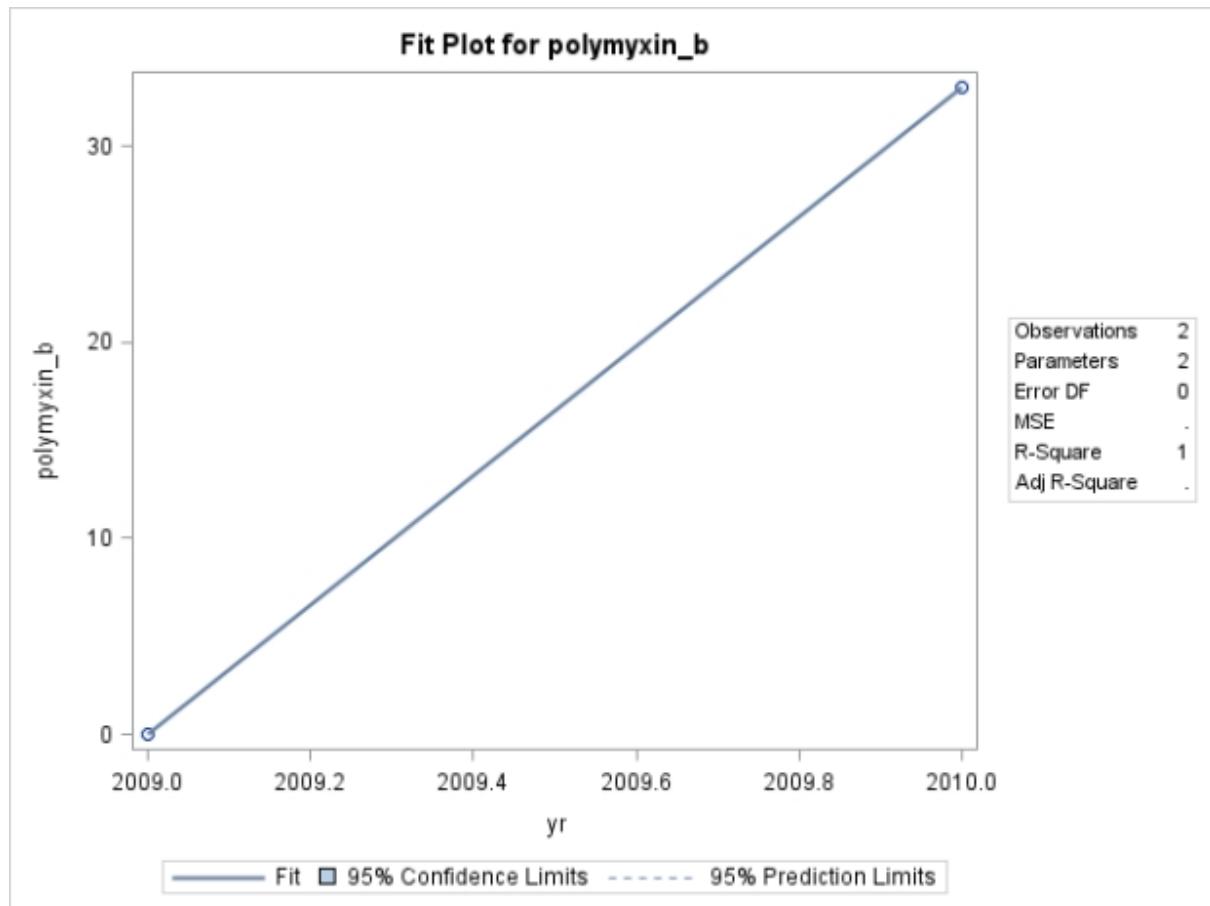
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: polymyxin\_b**



The REG Procedure  
Model: MODEL1  
Dependent Variable: polymyxin\_b



The REG Procedure  
Model: MODEL1  
Dependent Variable: polymyxin\_b



**The UNIVARIATE Procedure**  
**Variable: polymyxin\_br (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: tobramycin**

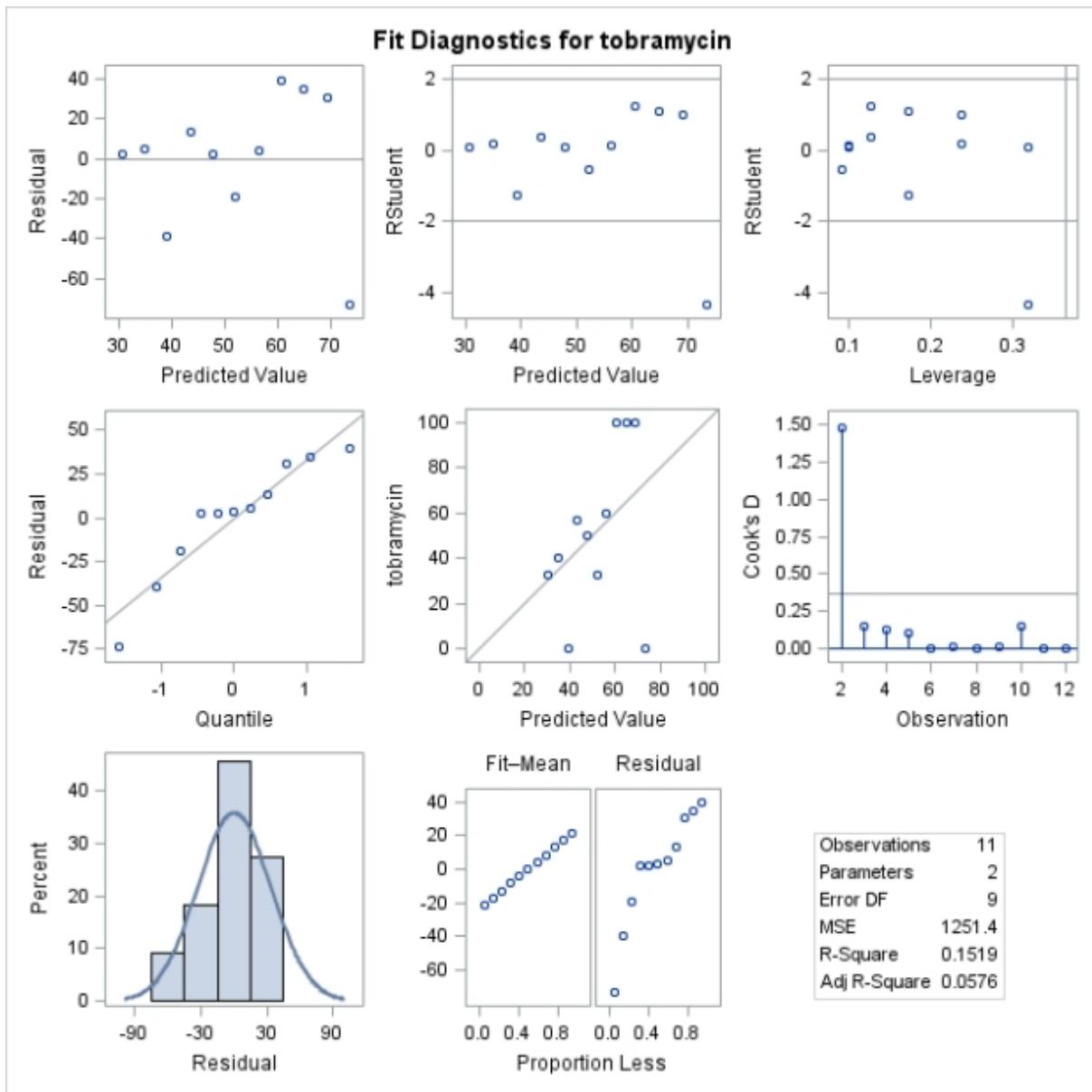
Number of Observations Read	12
Number of Observations Used	11
Number of Observations with Missing Values	1

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2016.73636	2016.73636	1.61	0.2361
Error	9	11262	1251.35253		
Corrected Total	10	13279			

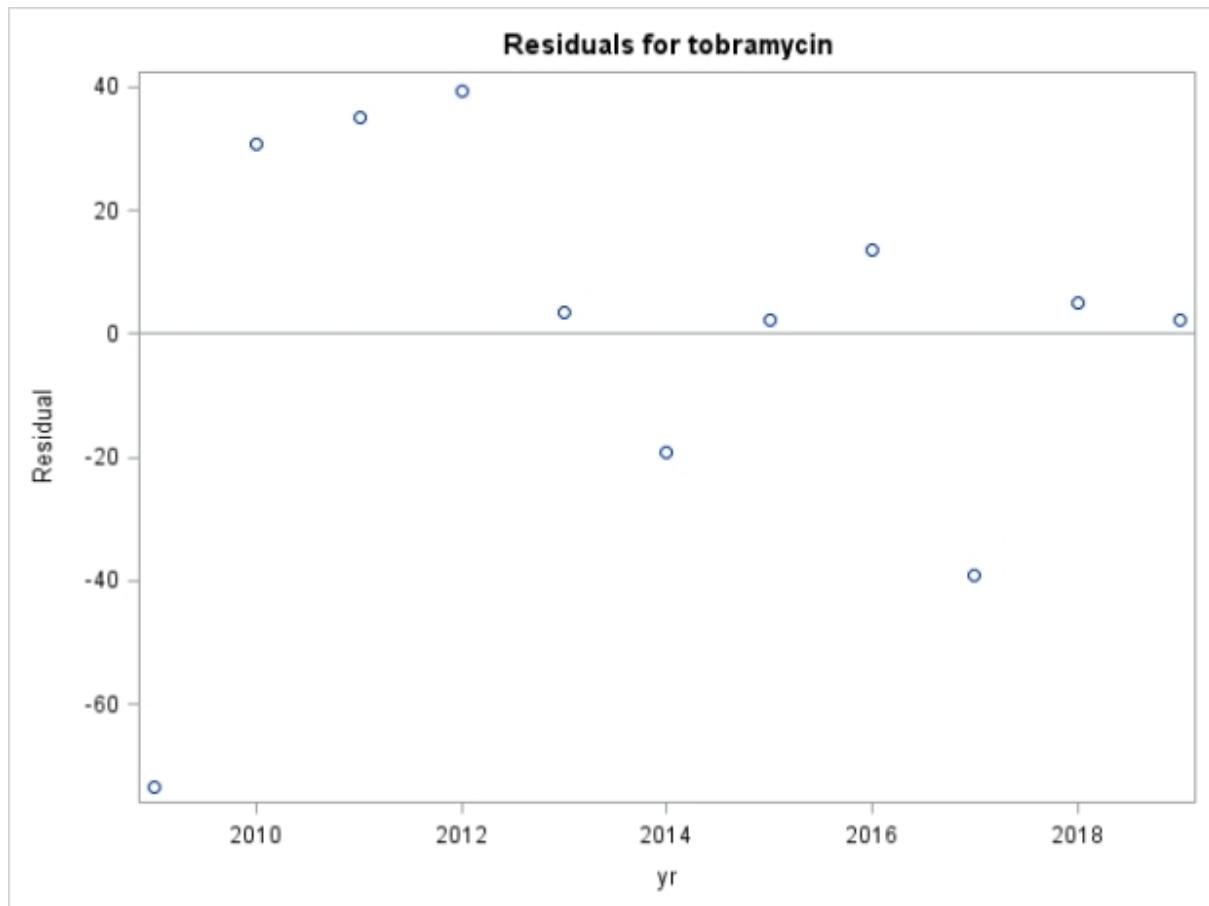
Root MSE	35.37446	R-Square	0.1519
Dependent Mean	52.09091	Adj R-Sq	0.0576
Coeff Var	67.90909		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	8675.67273	6792.87302	1.28	0.2335
yr	1	-4.28182	3.37282	-1.27	0.2361

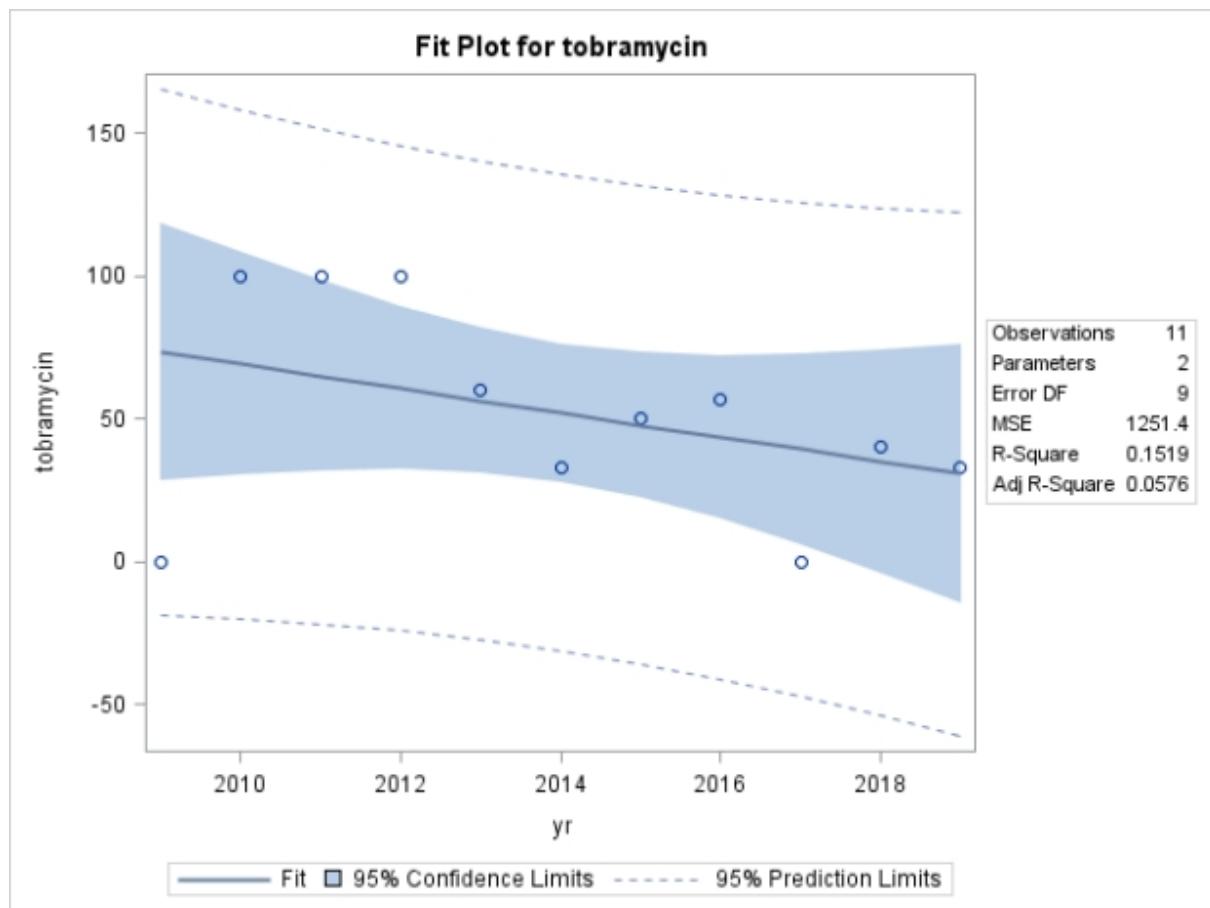
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: tobramycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: tobramycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: tobramycin



**The UNIVARIATE Procedure**  
**Variable: tobramycinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	11	<b>Sum Weights</b>	11
<b>Mean</b>	-0.1870981	<b>Sum Observations</b>	-2.0580793
<b>Std Deviation</b>	1.56125866	<b>Variance</b>	2.43752859
<b>Skewness</b>	-2.148525	<b>Kurtosis</b>	5.47665879
<b>Uncorrected SS</b>	24.7603487	<b>Corrected SS</b>	24.3752859
<b>Coeff Variation</b>	-834.45982	<b>Std Error Mean</b>	0.4707372

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.18710	<b>Std Deviation</b>	1.56126
<b>Median</b>	0.10197	<b>Variance</b>	2.43753
<b>Mode</b>	.	<b>Range</b>	5.58005
		<b>Interquartile Range</b>	1.53866

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.39746	<b>Pr &gt;  t </b>	0.6994	
Sign	M 2.5	<b>Pr &gt;=  M </b>	0.2266	
Signed Rank	S 6	<b>Pr &gt;=  S </b>	0.6377	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.761328	<b>Pr &lt; W</b>	0.0029	
Kolmogorov-Smirnov	D 0.290545	<b>Pr &gt; D</b>	<0.0100	
Cramer-von Mises	W-Sq 0.170041	<b>Pr &gt; W-Sq</b>	0.0101	
Anderson-Darling	A-Sq 1.012188	<b>Pr &gt; A-Sq</b>	0.0074	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.222940
<b>99%</b>	1.222940
<b>95%</b>	1.222940
<b>90%</b>	1.102800
<b>75% Q3</b>	0.995250
<b>50% Median</b>	0.101971
<b>25% Q1</b>	-0.543410
<b>10%</b>	-1.258743
<b>5%</b>	-4.357106
<b>1%</b>	-4.357106
<b>0% Min</b>	-4.357106

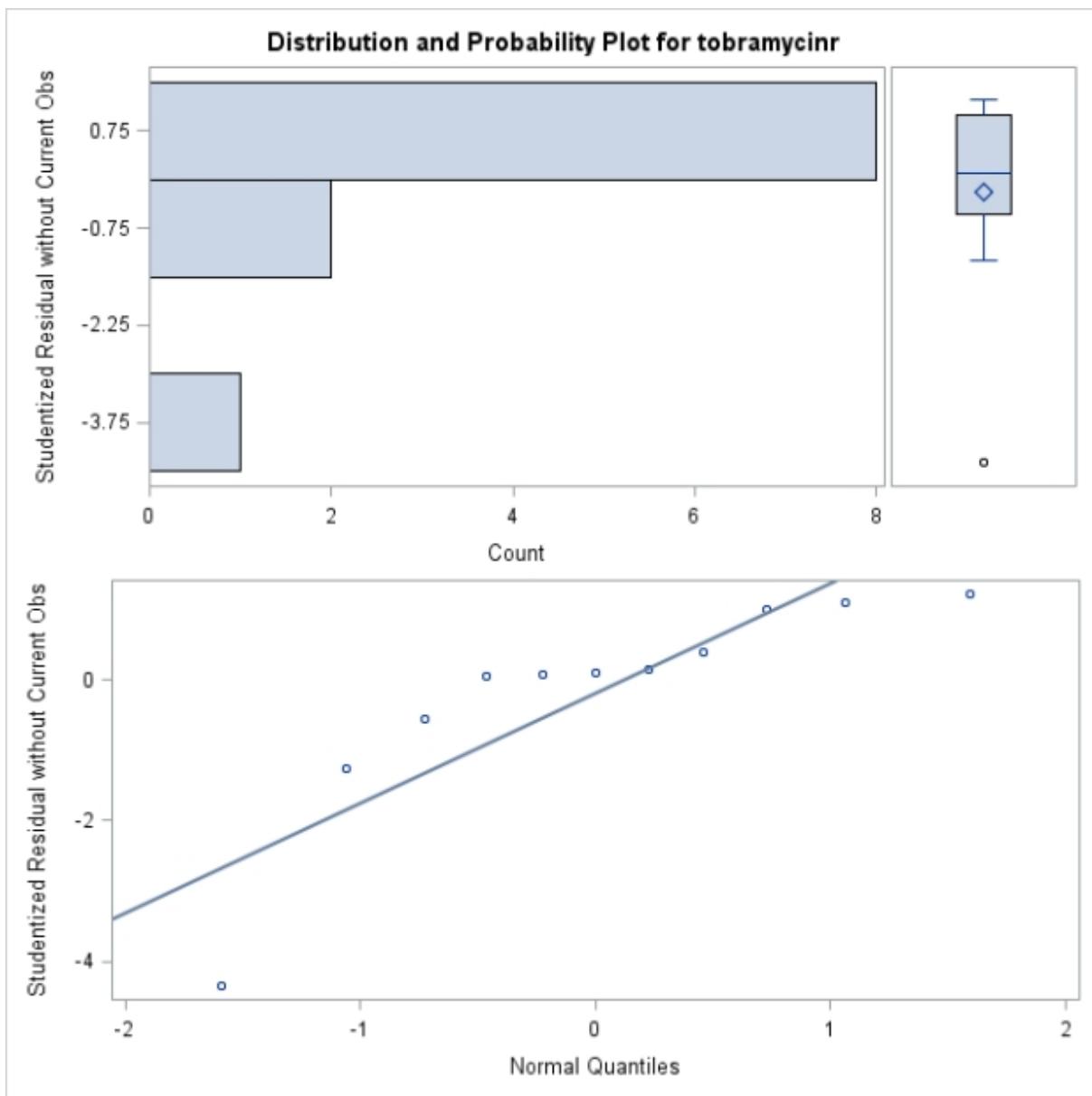
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-4.3571059	2	0.153833	11
-1.2587433	10	0.387970	9
-0.5434102	7	0.995250	3

**The UNIVARIATE Procedure****Variable: tobramycinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.0615658	8	1.102800	4
0.0748513	12	1.222940	5

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	1	8.33	100.00

The UNIVARIATE Procedure  
Variable: tobramycinr (Studentized Residual without Current Obs)



**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: bacitracinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**

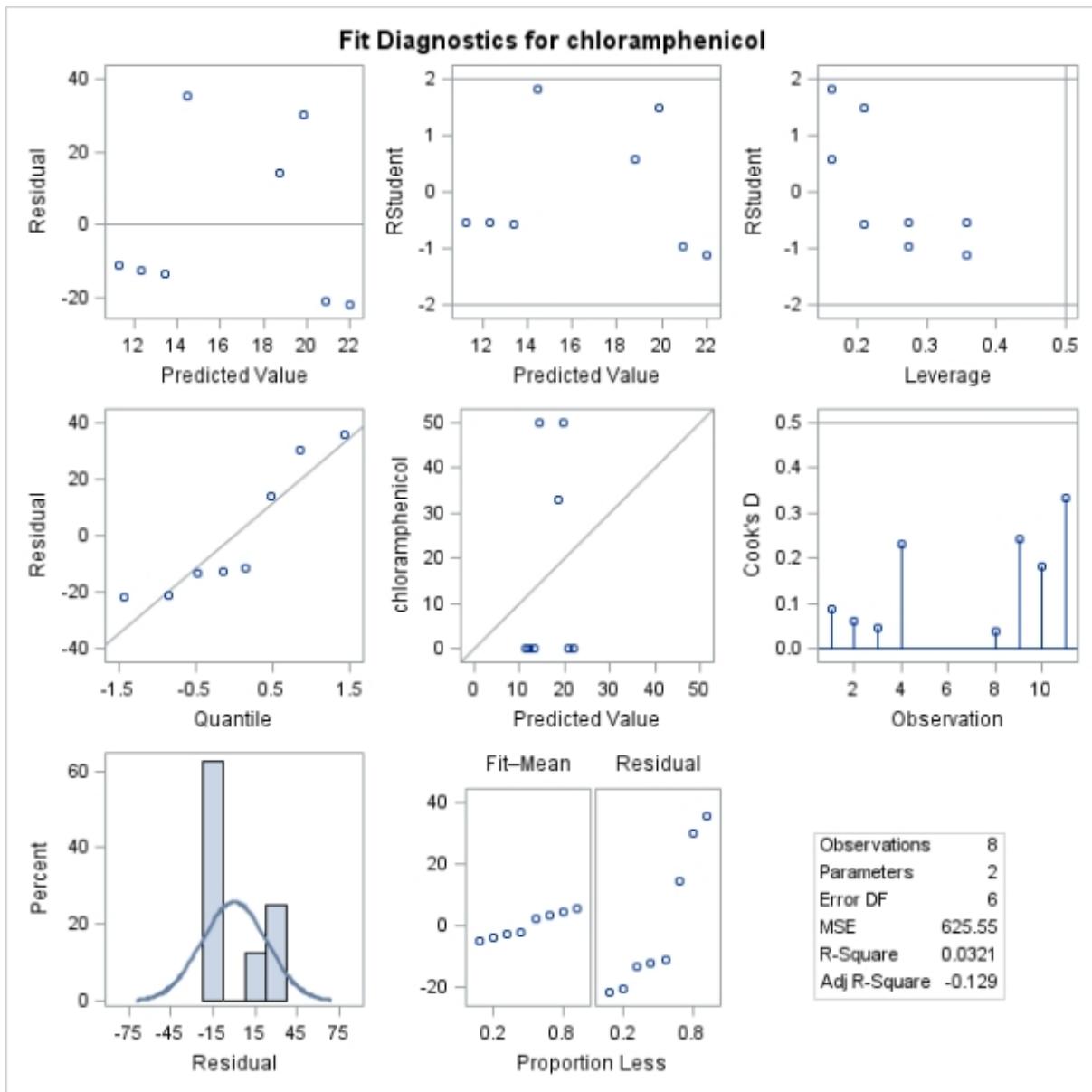
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	8
<b>Number of Observations with Missing Values</b>	4

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	124.59259	124.59259	0.20	0.6710
<b>Error</b>	6	3753.28241	625.54707		
<b>Corrected Total</b>	7	3877.87500			

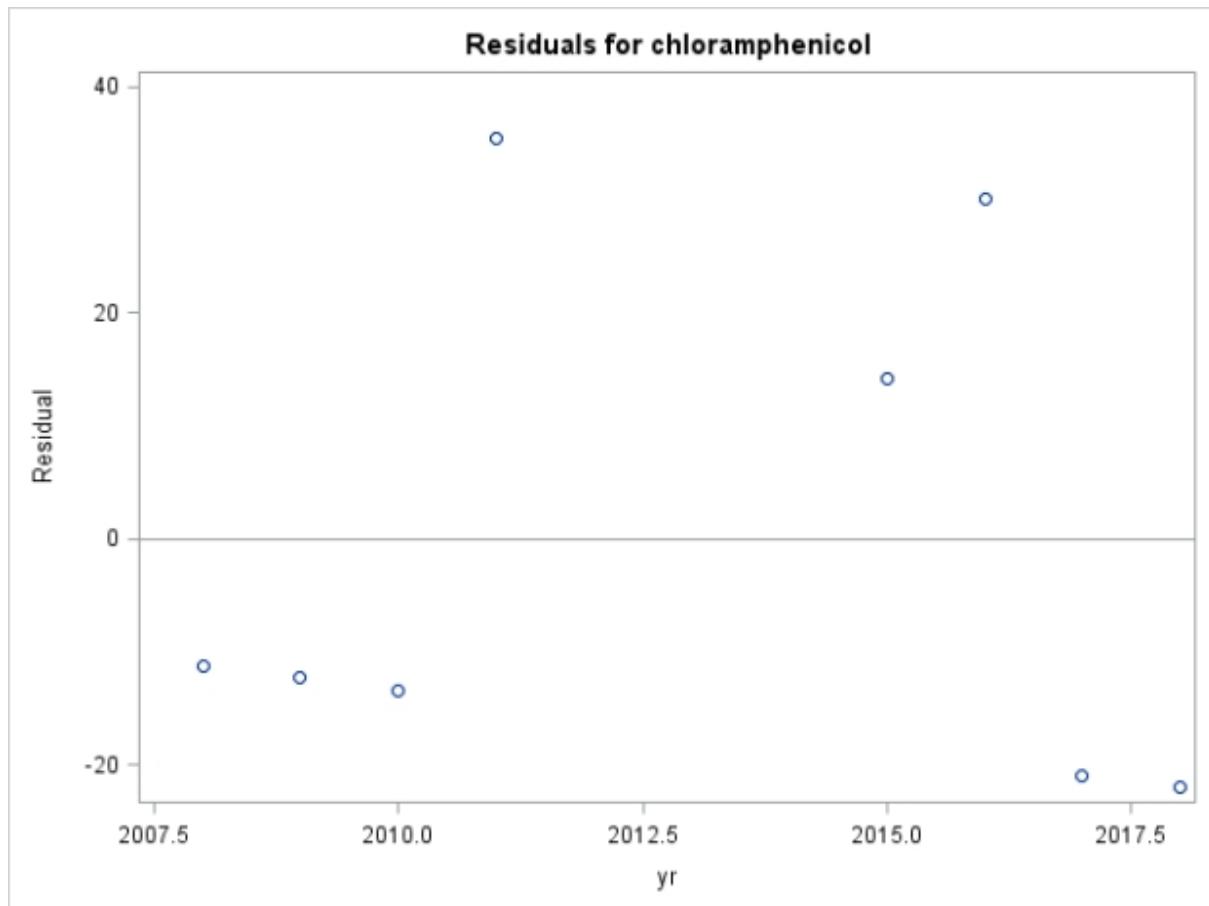
<b>Root MSE</b>	25.01094	<b>R-Square</b>	0.0321
<b>Dependent Mean</b>	16.62500	<b>Adj R-Sq</b>	-0.1292
<b>Coeff Var</b>	150.44174		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	-2145.48611	4844.65234	-0.44	0.6734
<b>yr</b>	1	1.07407	2.40668	0.45	0.6710

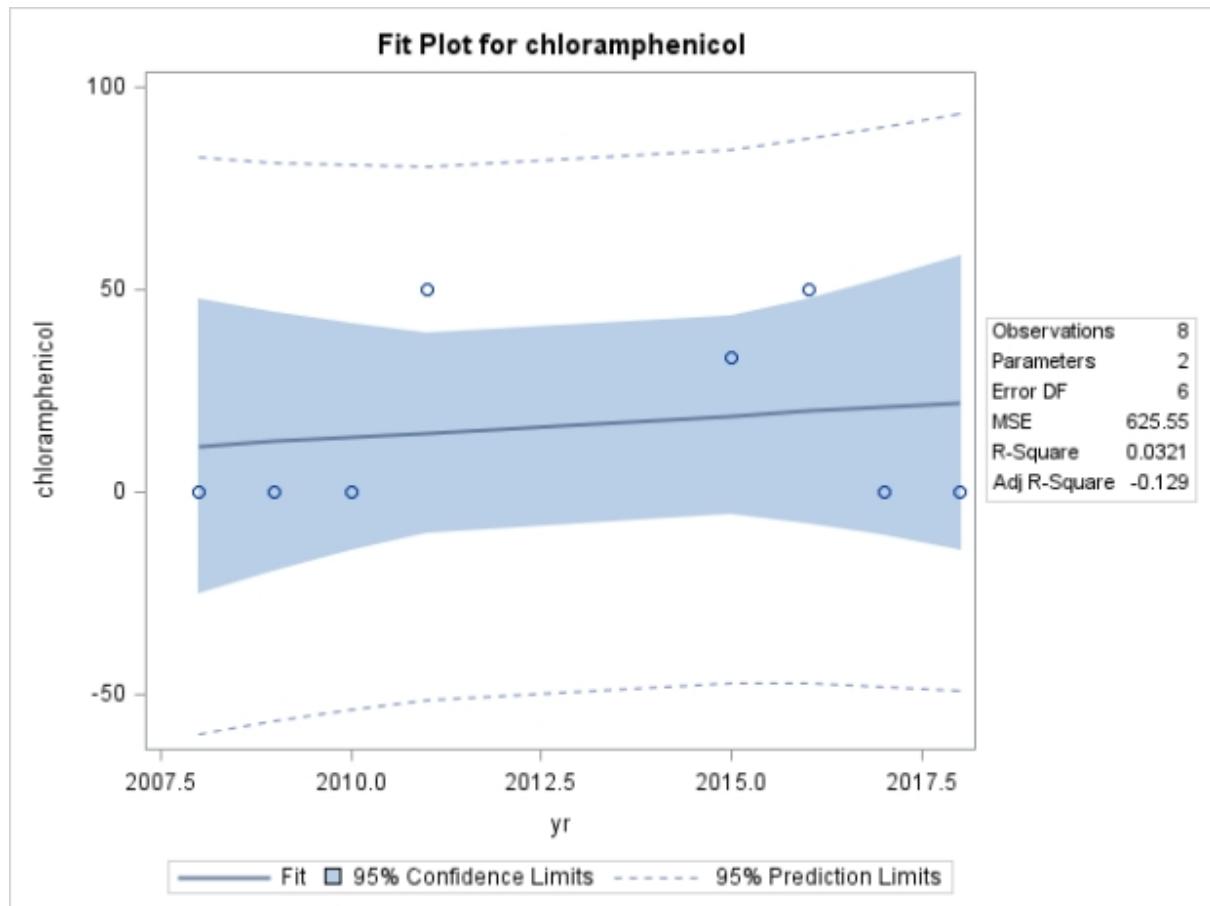
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



**The UNIVARIATE Procedure**

Variable: chloramphenicolr (Studentized Residual without Current Obs)

Moments			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	0.0210701	<b>Sum Observations</b>	0.16856078
<b>Std Deviation</b>	1.13367636	<b>Variance</b>	1.28522209
<b>Skewness</b>	0.81243693	<b>Kurtosis</b>	-1.0800044
<b>Uncorrected SS</b>	9.00010622	<b>Corrected SS</b>	8.99655463
<b>Coeff Variation</b>	5380.49895	<b>Std Error Mean</b>	0.40081512

Basic Statistical Measures			
Location		Variability	
<b>Mean</b>	0.02107	<b>Std Deviation</b>	1.13368
<b>Median</b>	-0.53460	<b>Variance</b>	1.28522
<b>Mode</b>	.	<b>Range</b>	2.94950
		<b>Interquartile Range</b>	1.80795

Tests for Location: Mu0=0				
Test	Statistic	p Value		
Student's t	t	0.052568	<b>Pr &gt;  t </b>	0.9595
Sign	M	-1	<b>Pr &gt;=  M </b>	0.7266
Signed Rank	S	1	<b>Pr &gt;=  S </b>	0.9453

Tests for Normality				
Test	Statistic	p Value		
Shapiro-Wilk	W	0.85067	<b>Pr &lt; W</b>	0.0968
Kolmogorov-Smirnov	D	0.310313	<b>Pr &gt; D</b>	0.0226
Cramer-von Mises	W-Sq	0.105362	<b>Pr &gt; W-Sq</b>	0.0819
Anderson-Darling	A-Sq	0.583037	<b>Pr &gt; A-Sq</b>	0.0888

Quantiles (Definition 5)	
Level	Quantile
<b>100% Max</b>	1.830401
<b>99%</b>	1.830401
<b>95%</b>	1.830401
<b>90%</b>	1.830401
<b>75% Q3</b>	1.035589
<b>50% Median</b>	-0.534602
<b>25% Q1</b>	-0.772359
<b>10%</b>	-1.119097
<b>5%</b>	-1.119097
<b>1%</b>	-1.119097
<b>0% Min</b>	-1.119097

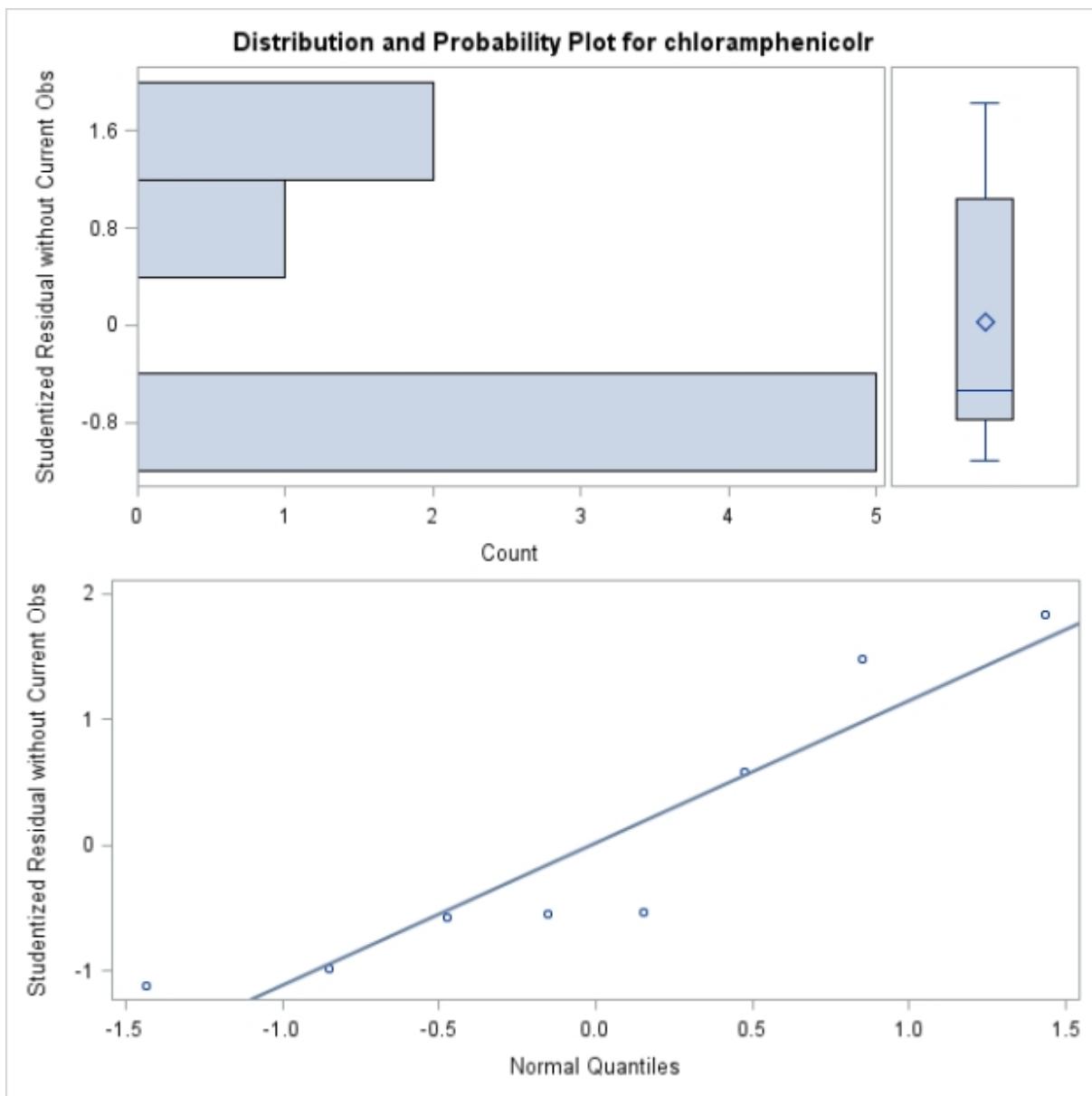
Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
-1.119097	11	-0.543153	2
-0.977507	10	-0.526051	1
-0.567211	3	0.586435	8

**The UNIVARIATE Procedure****Variable: chloramphenicolr (Studentized Residual without Current Obs)**

Extreme Observations					
Lowest		Highest			
Value	Obs	Value	Obs		
-0.543153	2	1.484743	9		
-0.526051	1	1.830401	4		

Missing Values					
Missing Value	Count	Percent Of			
		All Obs	Missing Obs		
.	4	33.33		100.00	

The UNIVARIATE Procedure  
Variable: chloramphenicolr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**

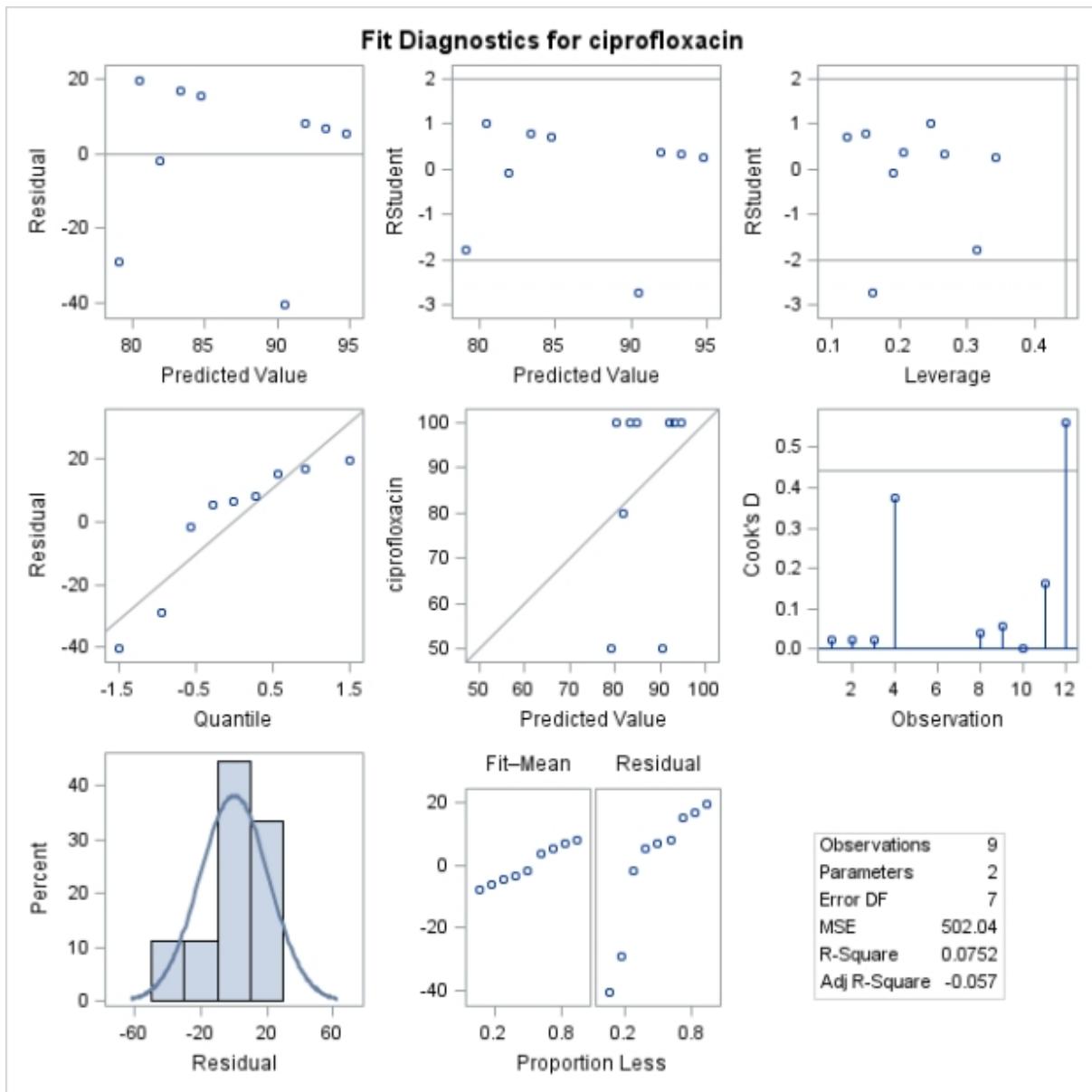
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	9
<b>Number of Observations with Missing Values</b>	3

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	285.71429	285.71429	0.57	0.4752
<b>Error</b>	7	3514.28571	502.04082		
<b>Corrected Total</b>	8	3800.00000			

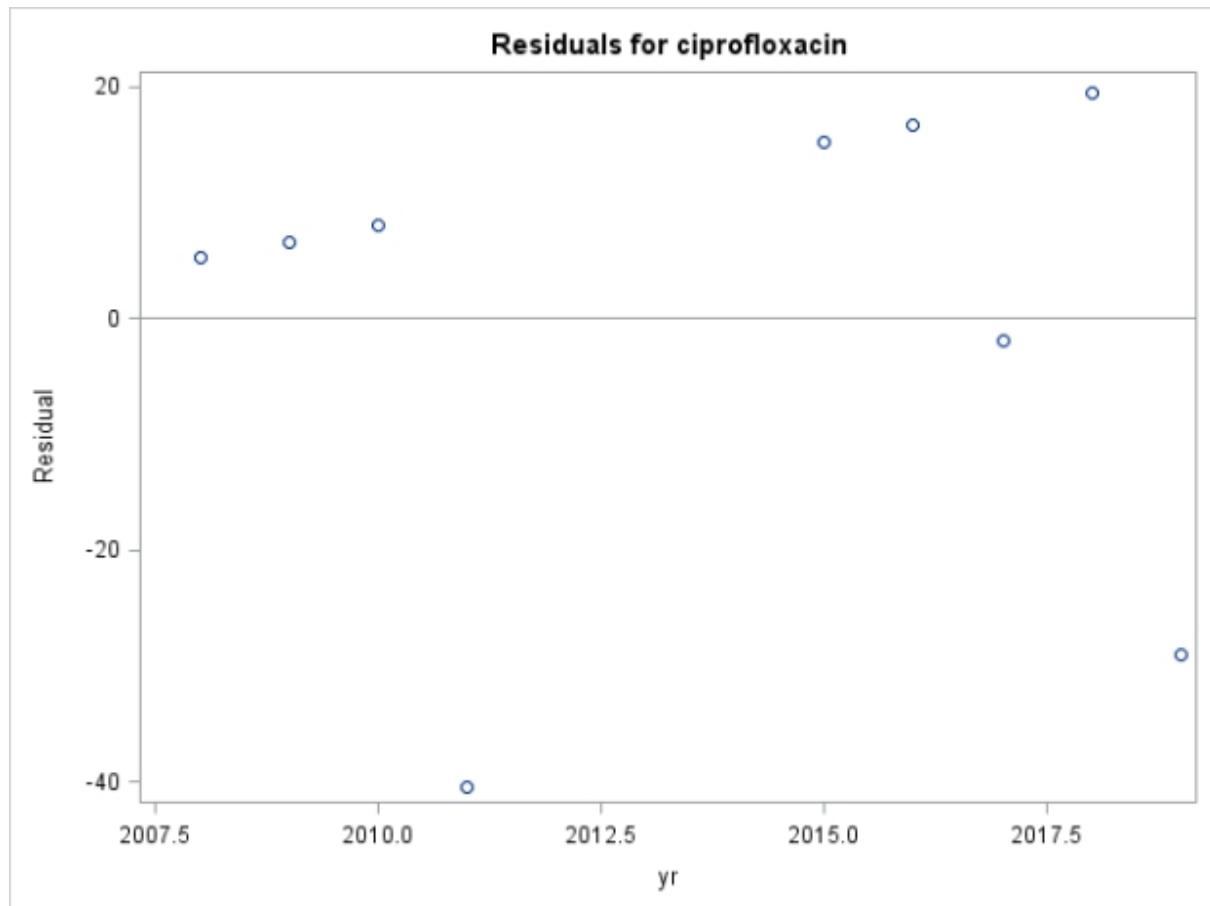
<b>Root MSE</b>	22.40627	<b>R-Square</b>	0.0752
<b>Dependent Mean</b>	86.66667	<b>Adj R-Sq</b>	-0.0569
<b>Coeff Var</b>	25.85339		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	2963.33333	3813.23798	0.78	0.4625
<b>yr</b>	1	-1.42857	1.89368	-0.75	0.4752

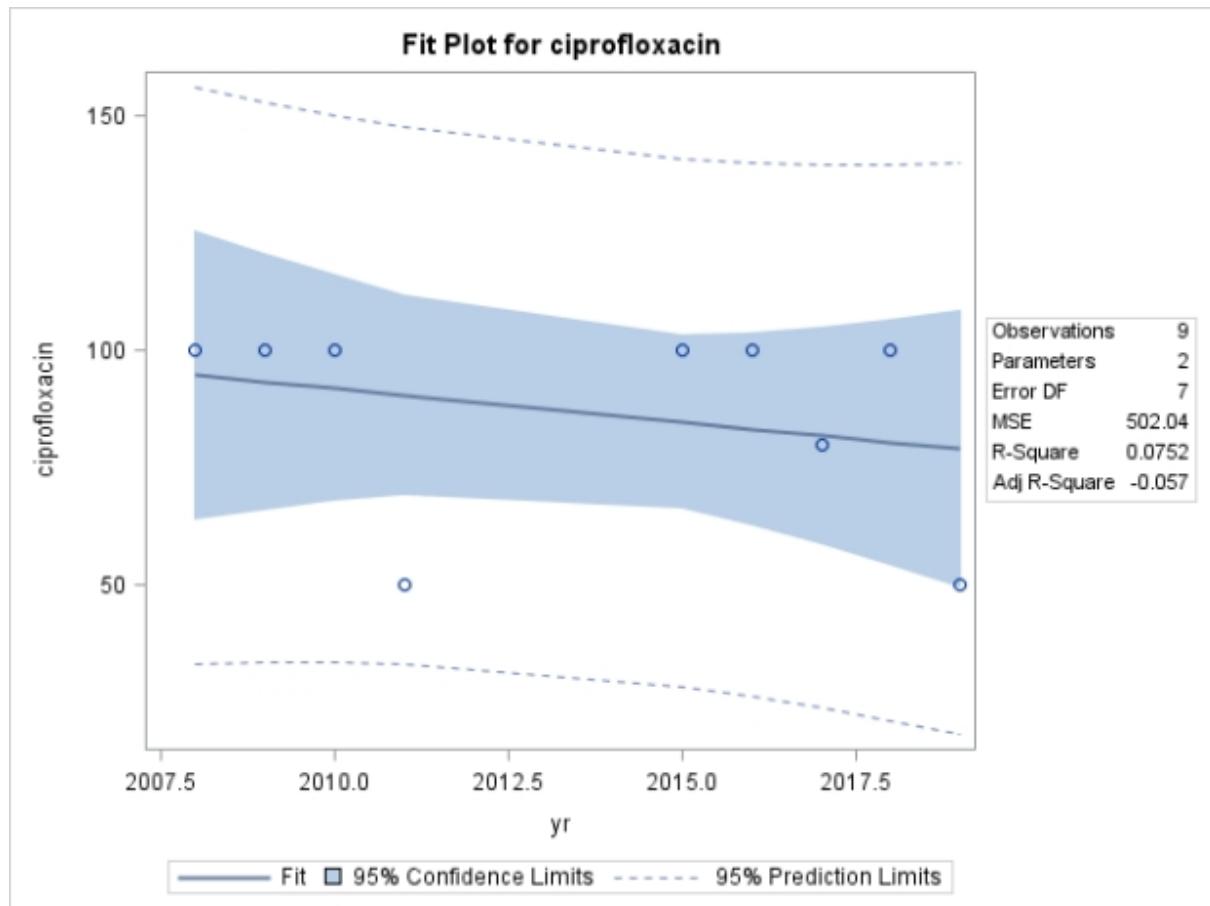
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



**The UNIVARIATE Procedure**  
**Variable: ciprofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	9	<b>Sum Weights</b>	9
<b>Mean</b>	-0.1297672	<b>Sum Observations</b>	-1.1679048
<b>Std Deviation</b>	1.27686556	<b>Variance</b>	1.63038566
<b>Skewness</b>	-1.4975592	<b>Kurtosis</b>	1.20226098
<b>Uncorrected SS</b>	13.194641	<b>Corrected SS</b>	13.0430853
<b>Coeff Variation</b>	-983.96631	<b>Std Error Mean</b>	0.42562185

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.12977	<b>Std Deviation</b>	1.27687
<b>Median</b>	0.32448	<b>Variance</b>	1.63039
<b>Mode</b>	.	<b>Range</b>	3.74593
		<b>Interquartile Range</b>	0.78707

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.30489	<b>Pr &gt;  t </b>	0.7682	
Sign	M 1.5	<b>Pr &gt;=  M </b>	0.5078	
Signed Rank	S 4.5	<b>Pr &gt;=  S </b>	0.6523	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.789573	<b>Pr &lt; W</b>	0.0155	
Kolmogorov-Smirnov	D 0.290972	<b>Pr &gt; D</b>	0.0261	
Cramer-von Mises	W-Sq 0.169434	<b>Pr &gt; W-Sq</b>	0.0098	
Anderson-Darling	A-Sq 0.89494	<b>Pr &gt; A-Sq</b>	0.0138	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.0034733
<b>99%</b>	1.0034733
<b>95%</b>	1.0034733
<b>90%</b>	1.0034733
<b>75% Q3</b>	0.6995420
<b>50% Median</b>	0.3244835
<b>25% Q1</b>	-0.0875306
<b>10%</b>	-2.7424587
<b>5%</b>	-2.7424587
<b>1%</b>	-2.7424587
<b>0% Min</b>	-2.7424587

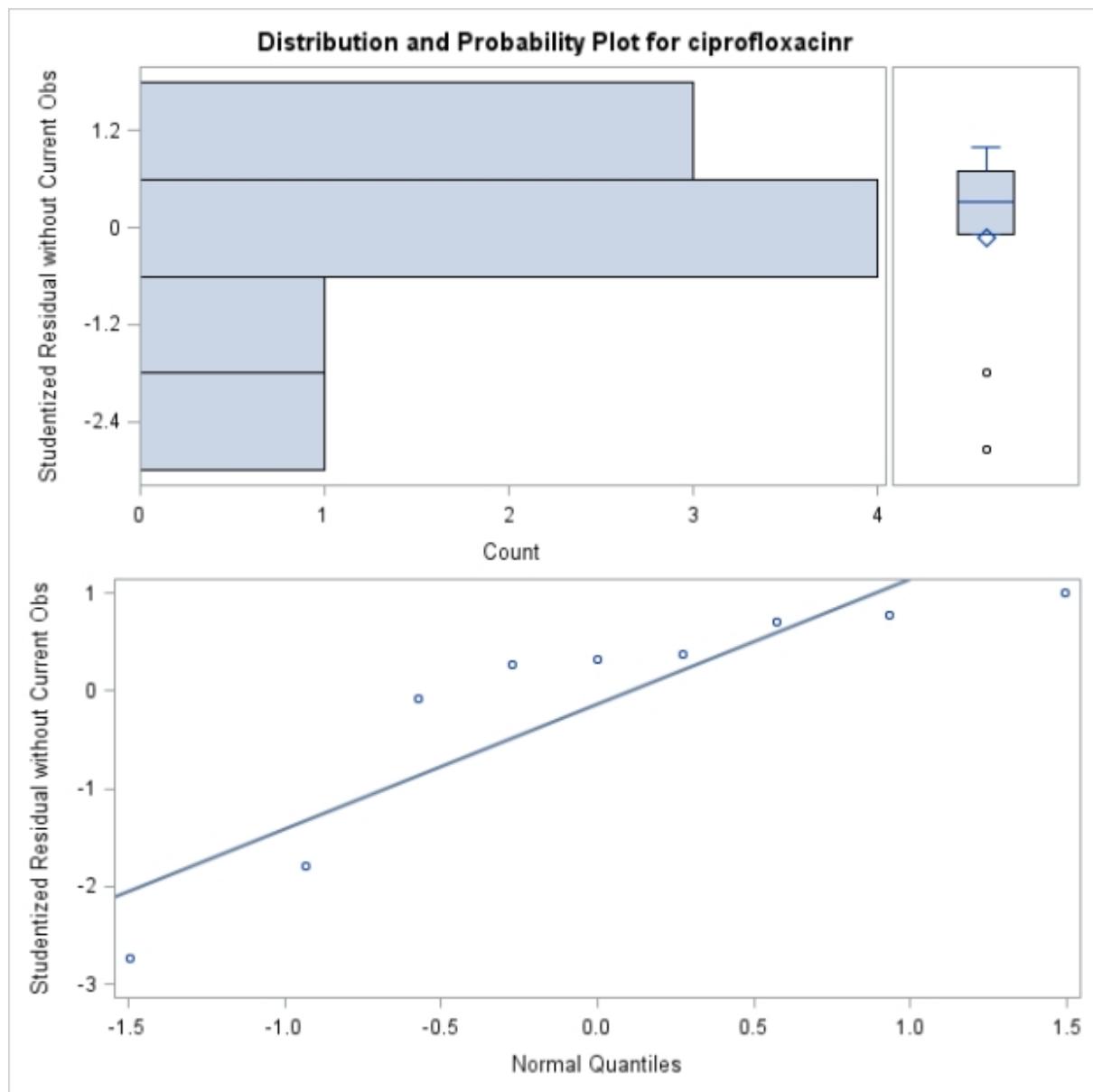
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.7424587	4	0.324484	2
-1.7979843	12	0.380152	3
-0.0875306	10	0.699542	8

**The UNIVARIATE Procedure**  
**Variable: ciprofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.2681027	1	0.784315	9
0.3244835	2	1.003473	11

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	3	25.00	100.00

The UNIVARIATE Procedure  
Variable: ciprofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: erythromycinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: gentamicin**

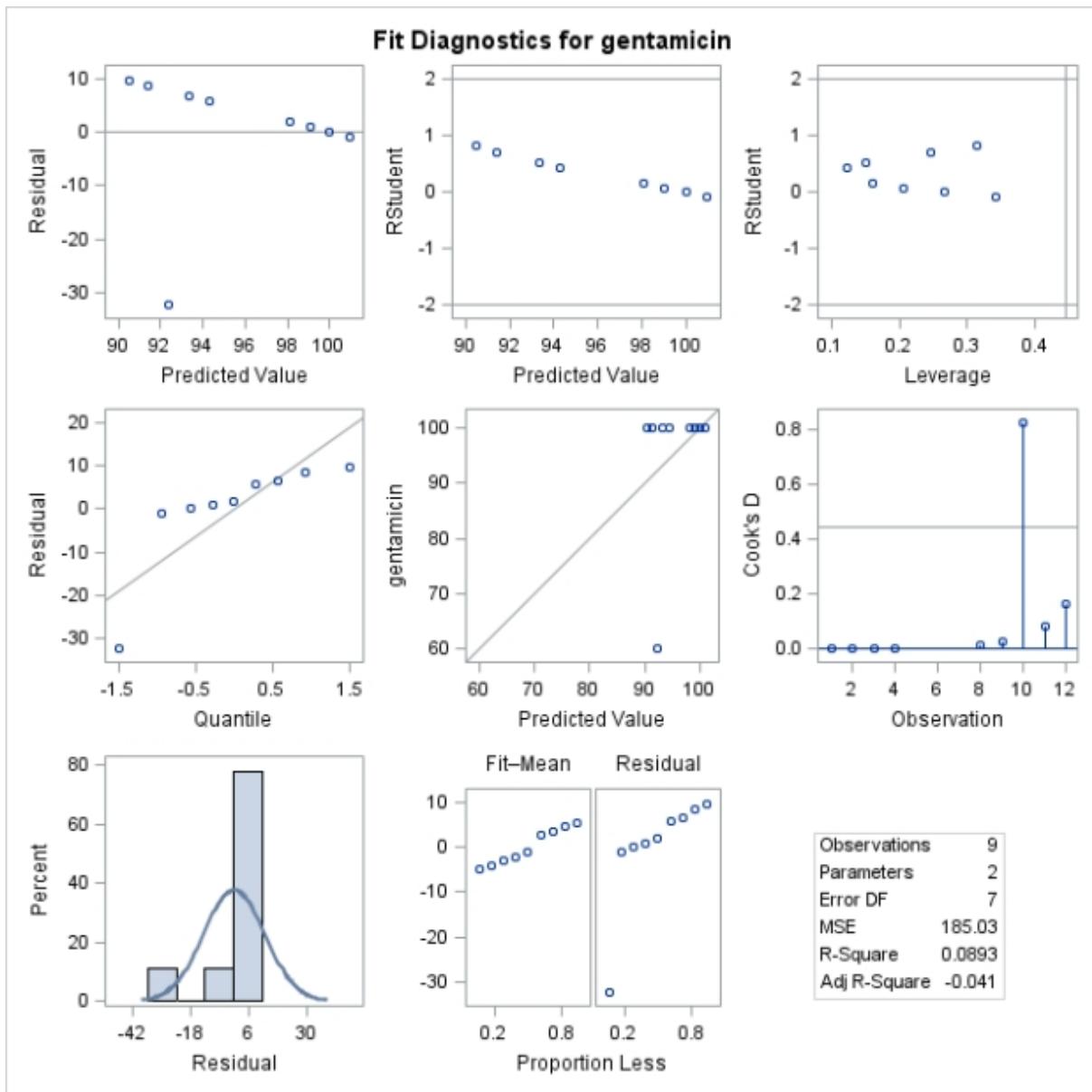
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	9
<b>Number of Observations with Missing Values</b>	3

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	126.98413	126.98413	0.69	0.4348
<b>Error</b>	7	1295.23810	185.03401		
<b>Corrected Total</b>	8	1422.22222			

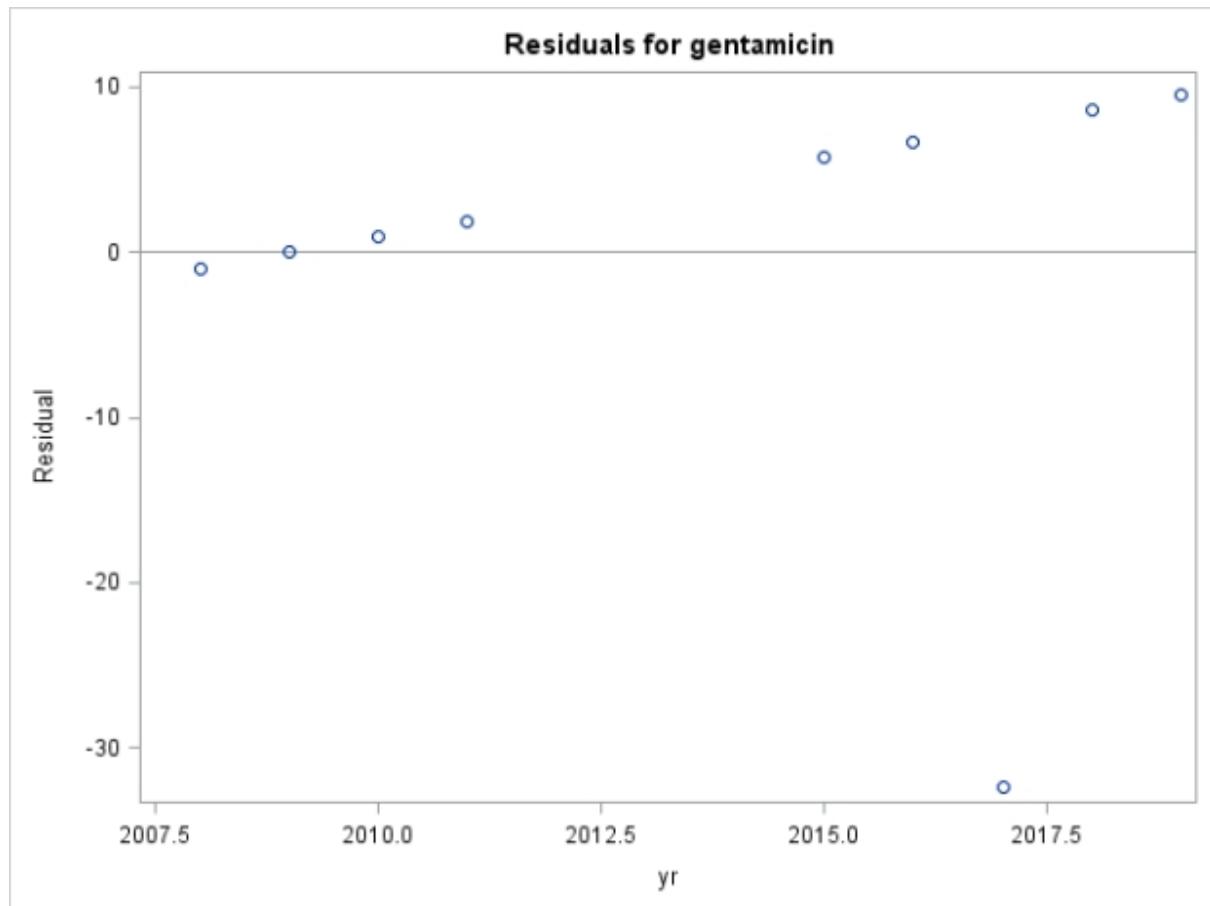
<b>Root MSE</b>	13.60272	<b>R-Square</b>	0.0893
<b>Dependent Mean</b>	95.55556	<b>Adj R-Sq</b>	-0.0408
<b>Coeff Var</b>	14.23541		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	2013.33333	2314.99566	0.87	0.4133
<b>yr</b>	1	-0.95238	1.14964	-0.83	0.4348

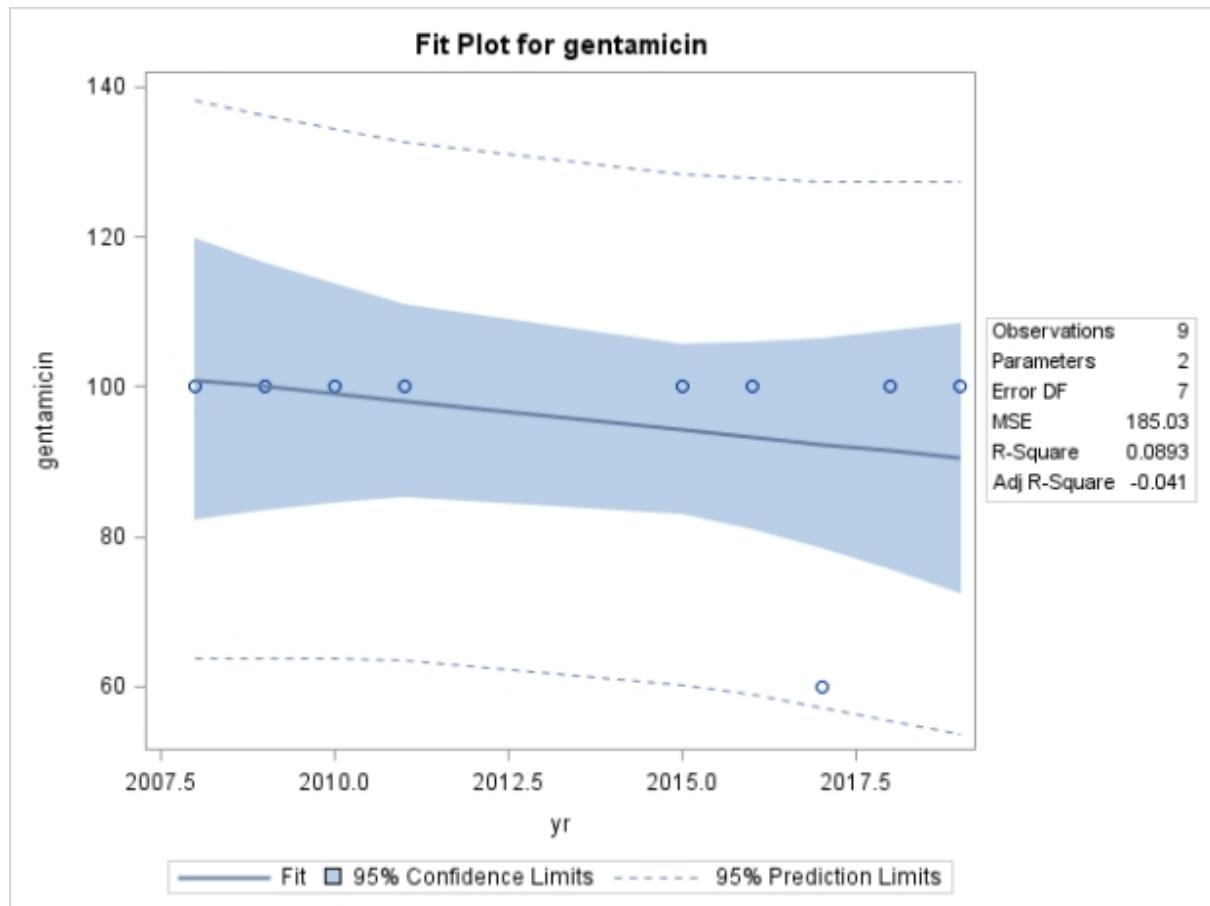
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: gentamicin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: gentamicin



The REG Procedure  
Model: MODEL1  
Dependent Variable: gentamicin



**The UNIVARIATE Procedure**  
**Variable: gentamicinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	0.3228964	<b>Sum Observations</b>	2.58317117
<b>Std Deviation</b>	0.33760858	<b>Variance</b>	0.11397955
<b>Skewness</b>	0.32906319	<b>Kurtosis</b>	-1.5412157
<b>Uncorrected SS</b>	1.63195352	<b>Corrected SS</b>	0.79785686
<b>Coeff Variation</b>	104.556316	<b>Std Error Mean</b>	0.11936266

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	0.322896	<b>Std Deviation</b>	0.33761
<b>Median</b>	0.281725	<b>Variance</b>	0.11398
<b>Mode</b>	.	<b>Range</b>	0.90596
		<b>Interquartile Range</b>	0.56391

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	<b>p Value</b>		
Student's t	t 2.705171	<b>Pr &gt;  t </b>	0.0304	
Sign	M 3	<b>Pr &gt;=  M </b>	0.0703	
Signed Rank	S 15	<b>Pr &gt;=  S </b>	0.0391	

<b>Tests for Normality</b>				
Test	Statistic	<b>p Value</b>		
Shapiro-Wilk	W 0.927077	<b>Pr &lt; W</b>	0.4899	
Kolmogorov-Smirnov	D 0.204114	<b>Pr &gt; D</b>	>0.1500	
Cramer-von Mises	W-Sq 0.046578	<b>Pr &gt; W-Sq</b>	>0.2500	
Anderson-Darling	A-Sq 0.288765	<b>Pr &gt; A-Sq</b>	>0.2500	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	0.8260984
<b>99%</b>	0.8260984
<b>95%</b>	0.8260984
<b>90%</b>	0.8260984
<b>75% Q3</b>	0.6003266
<b>50% Median</b>	0.2817249
<b>25% Q1</b>	0.0364146
<b>10%</b>	-0.0798596
<b>5%</b>	-0.0798596
<b>1%</b>	-0.0798596
<b>0% Min</b>	-0.0798596

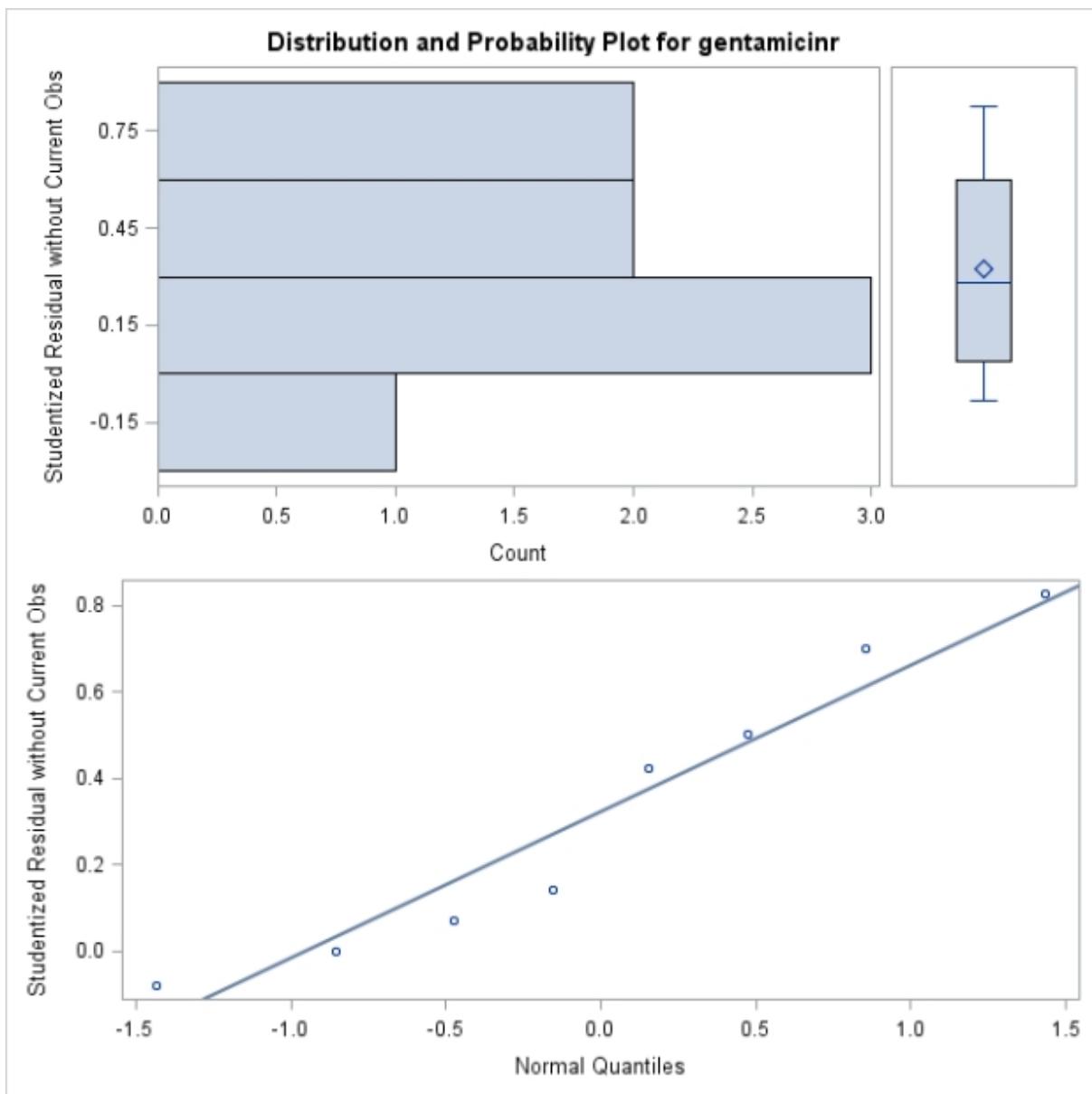
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-0.0798596	1	0.141848	4
0.0000000	2	0.421602	8
0.0728293	3	0.502398	9

**The UNIVARIATE Procedure****Variable: gentamicinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.1418475	4	0.698255	11
0.4216023	8	0.826098	12

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	4	33.33	100.00

The UNIVARIATE Procedure  
Variable: gentamicinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**

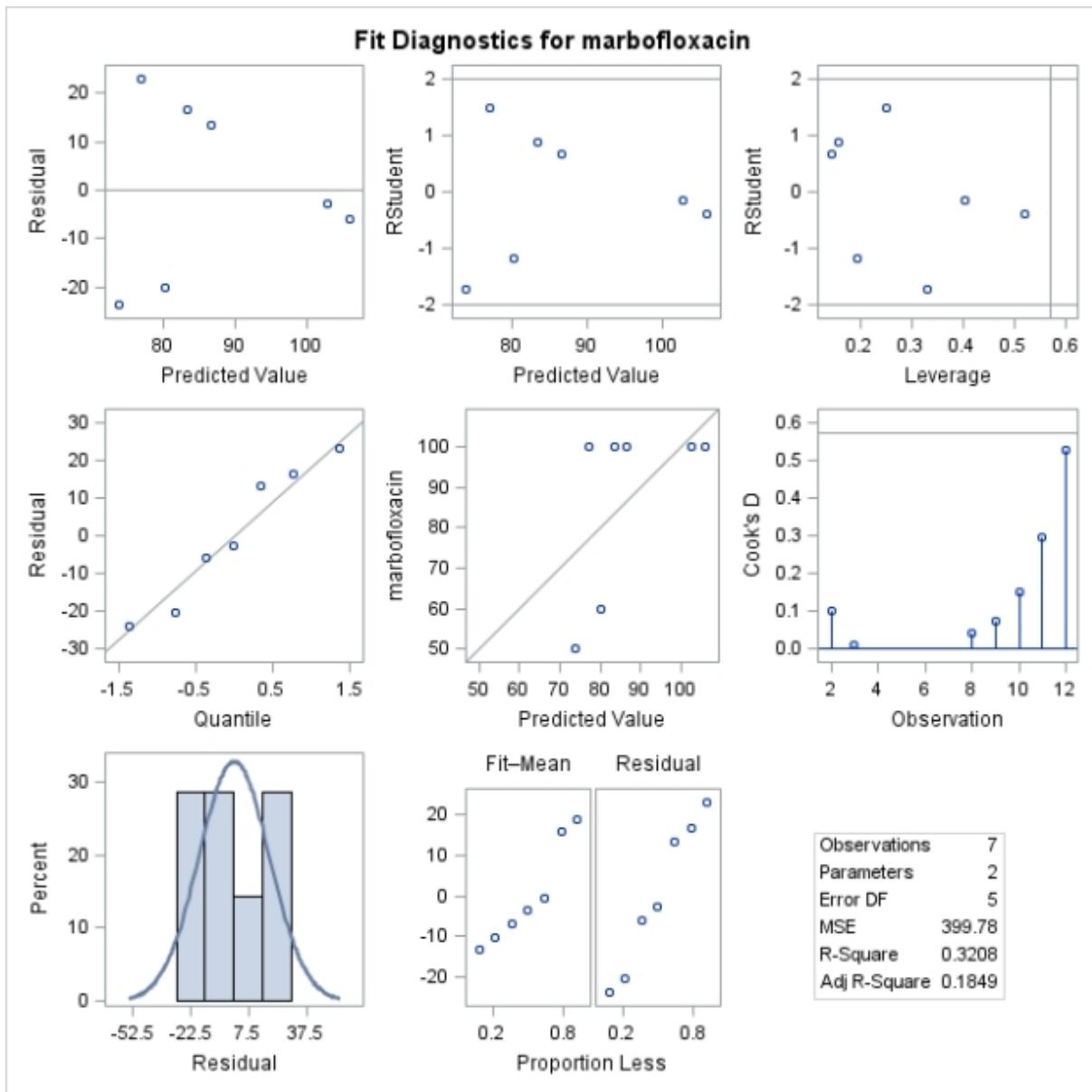
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	7
<b>Number of Observations with Missing Values</b>	5

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	943.95777	943.95777	2.36	0.1850
<b>Error</b>	5	1998.89937	399.77987		
<b>Corrected Total</b>	6	2942.85714			

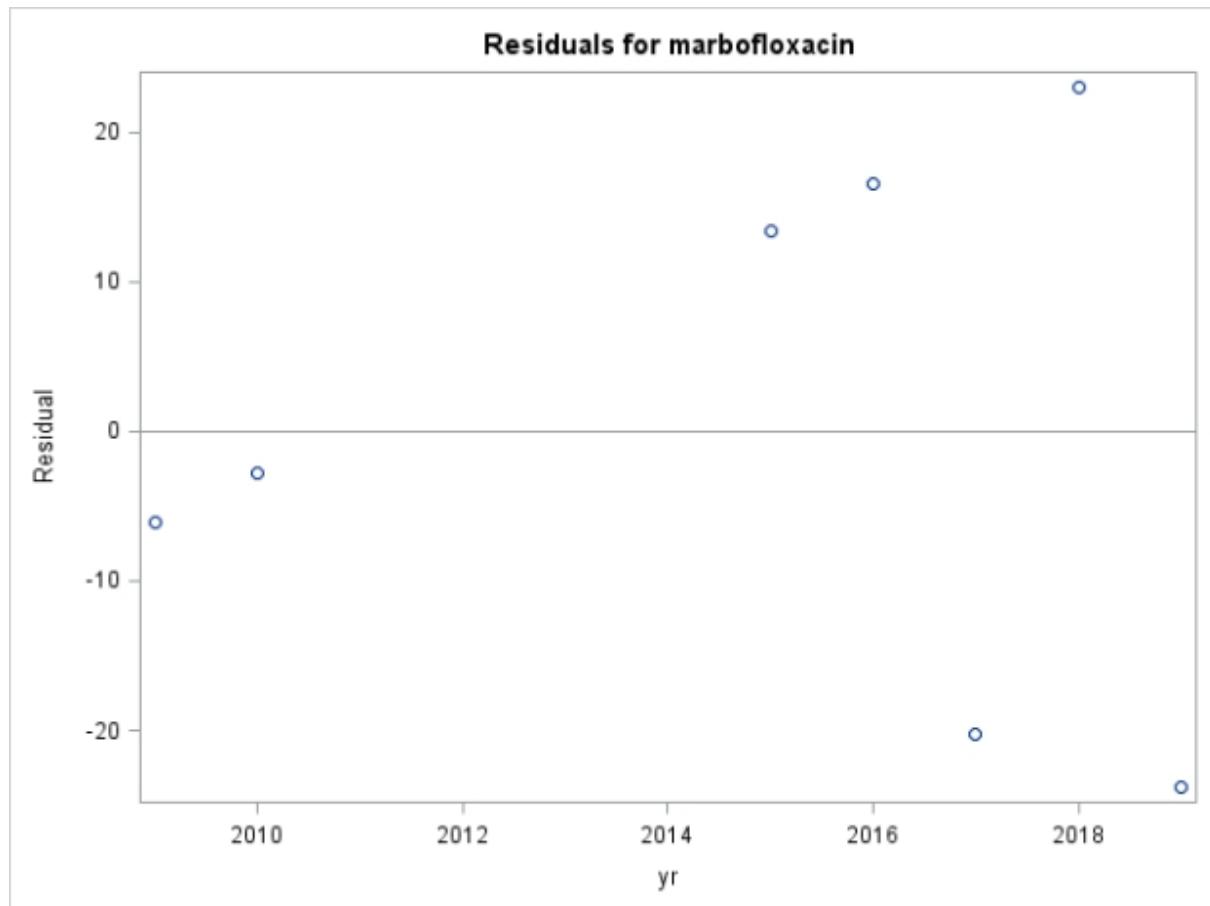
<b>Root MSE</b>	19.99450	<b>R-Square</b>	0.3208
<b>Dependent Mean</b>	87.14286	<b>Adj R-Sq</b>	0.1849
<b>Coeff Var</b>	22.94450		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	6581.57233	4226.45140	1.56	0.1801
<b>yr</b>	1	-3.22327	2.09764	-1.54	0.1850

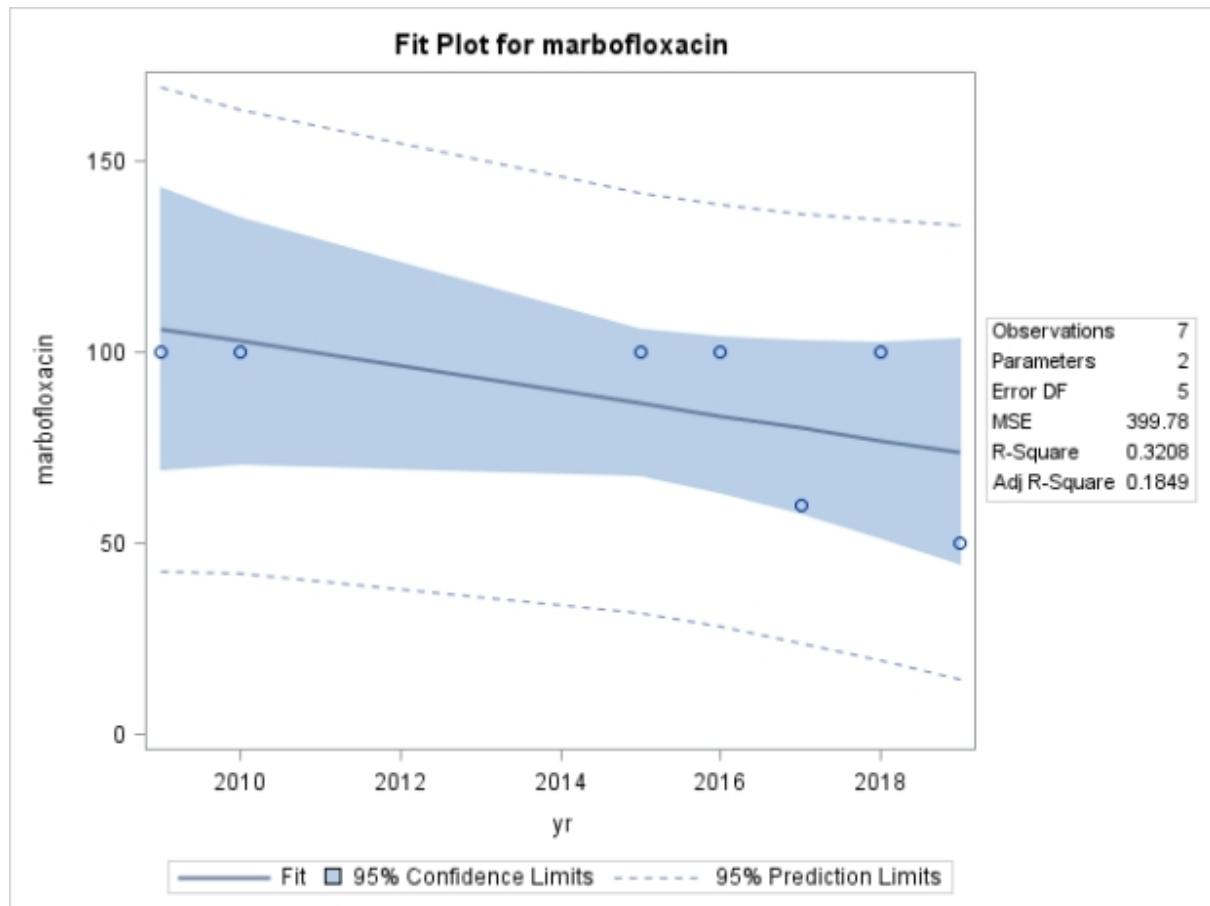
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



**The UNIVARIATE Procedure**  
**Variable: marbofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	7	<b>Sum Weights</b>	7
<b>Mean</b>	-0.0574938	<b>Sum Observations</b>	-0.4024568
<b>Std Deviation</b>	1.14637036	<b>Variance</b>	1.31416501
<b>Skewness</b>	-0.1721316	<b>Kurtosis</b>	-1.1571524
<b>Uncorrected SS</b>	7.90812885	<b>Corrected SS</b>	7.88499007
<b>Coeff Variation</b>	-1993.9016	<b>Std Error Mean</b>	0.43328727

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.05749	<b>Std Deviation</b>	1.14637
<b>Median</b>	-0.16250	<b>Variance</b>	1.31417
<b>Mode</b>	.	<b>Range</b>	3.19281
		<b>Interquartile Range</b>	2.04763

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t	-0.13269	<b>Pr &gt;  t </b>	0.8988
Sign	M	-0.5	<b>Pr &gt;=  M </b>	1.0000
Signed Rank	S	-1	<b>Pr &gt;=  S </b>	0.9375

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W	0.967371	<b>Pr &lt; W</b>	0.8789
Kolmogorov-Smirnov	D	0.168485	<b>Pr &gt; D</b>	>0.1500
Cramer-von Mises	W-Sq	0.026058	<b>Pr &gt; W-Sq</b>	>0.2500
Anderson-Darling	A-Sq	0.175371	<b>Pr &gt; A-Sq</b>	>0.2500

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.477985
<b>99%</b>	1.477985
<b>95%</b>	1.477985
<b>90%</b>	1.477985
<b>75% Q3</b>	0.880692
<b>50% Median</b>	-0.162504
<b>25% Q1</b>	-1.166942
<b>10%</b>	-1.714824
<b>5%</b>	-1.714824
<b>1%</b>	-1.714824
<b>0% Min</b>	-1.714824

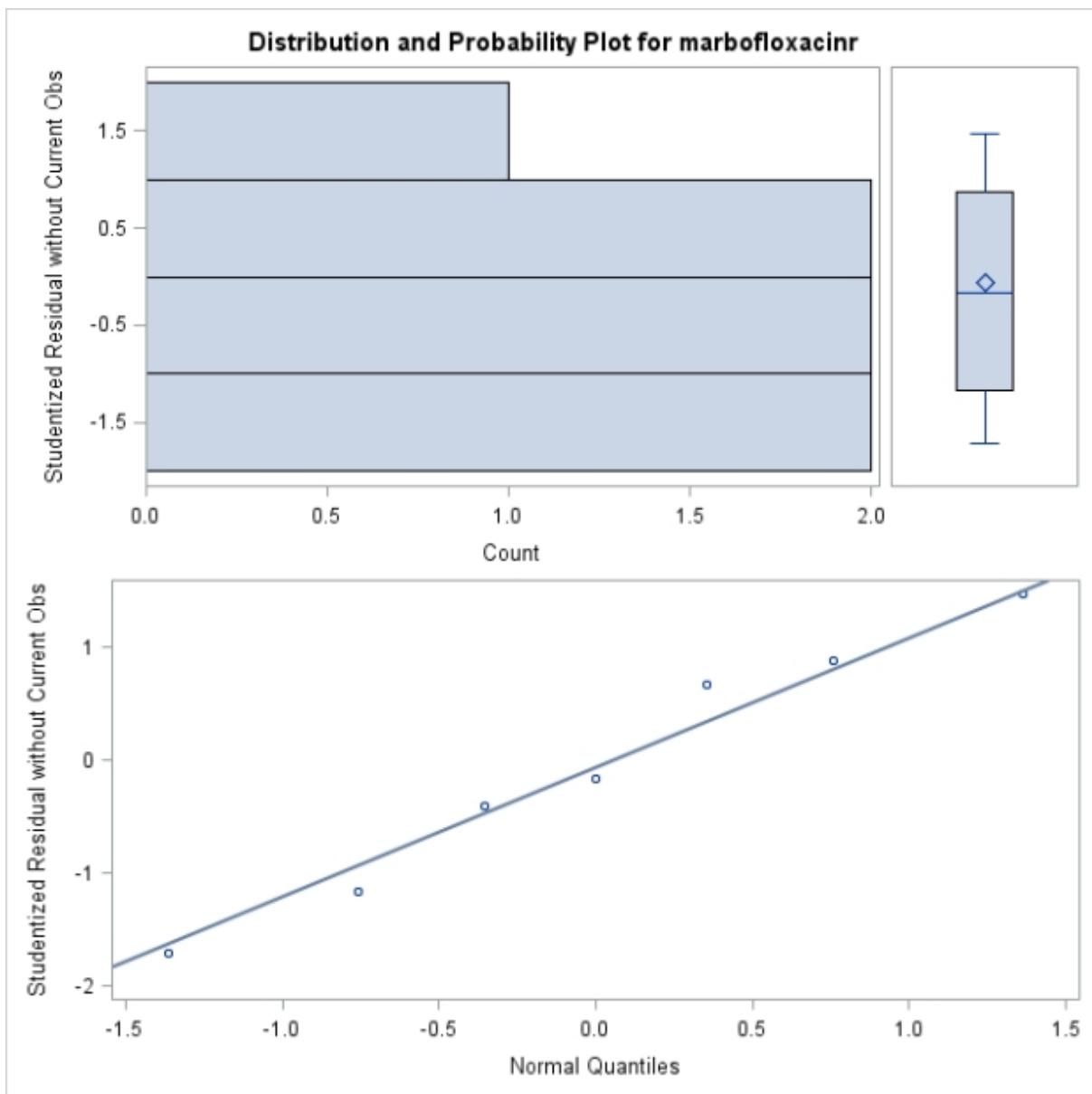
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-1.714824	12	-0.396579	2
-1.166942	10	-0.162504	3
-0.396579	2	0.679714	8

**The UNIVARIATE Procedure**  
**Variable: marbofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations					
Lowest		Highest			
Value	Obs	Value	Obs		
-0.162504	3	0.880692	9		
0.679714	8	1.477985	11		

Missing Values					
Missing Value	Count	Percent Of			
		All Obs	Missing Obs		
.	5	41.67		100.00	

The UNIVARIATE Procedure  
Variable: marbofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: neomycin**

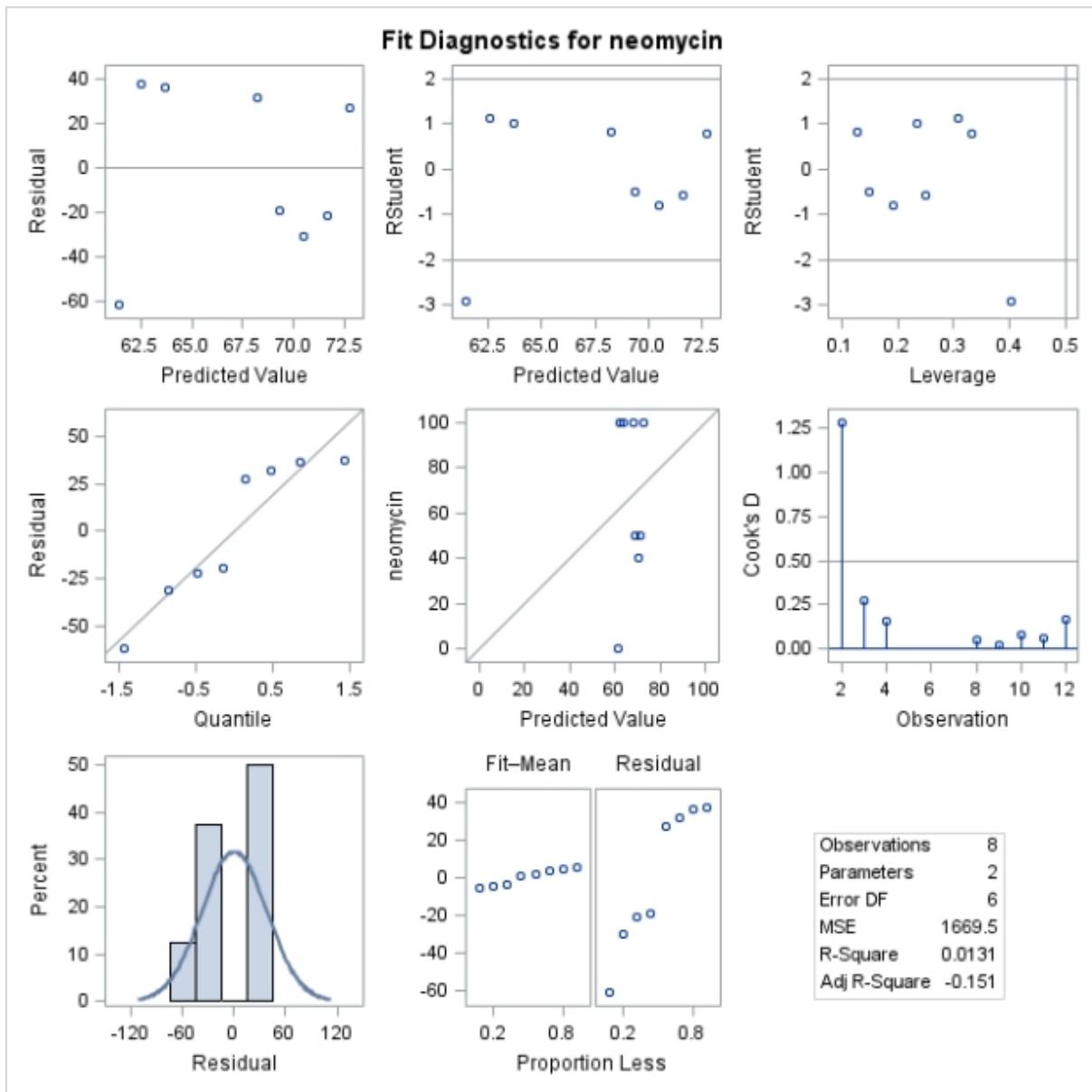
Number of Observations Read	12
Number of Observations Used	8
Number of Observations with Missing Values	4

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	132.91215	132.91215	0.08	0.7873
Error	6	10017	1669.51464		
Corrected Total	7	10150			

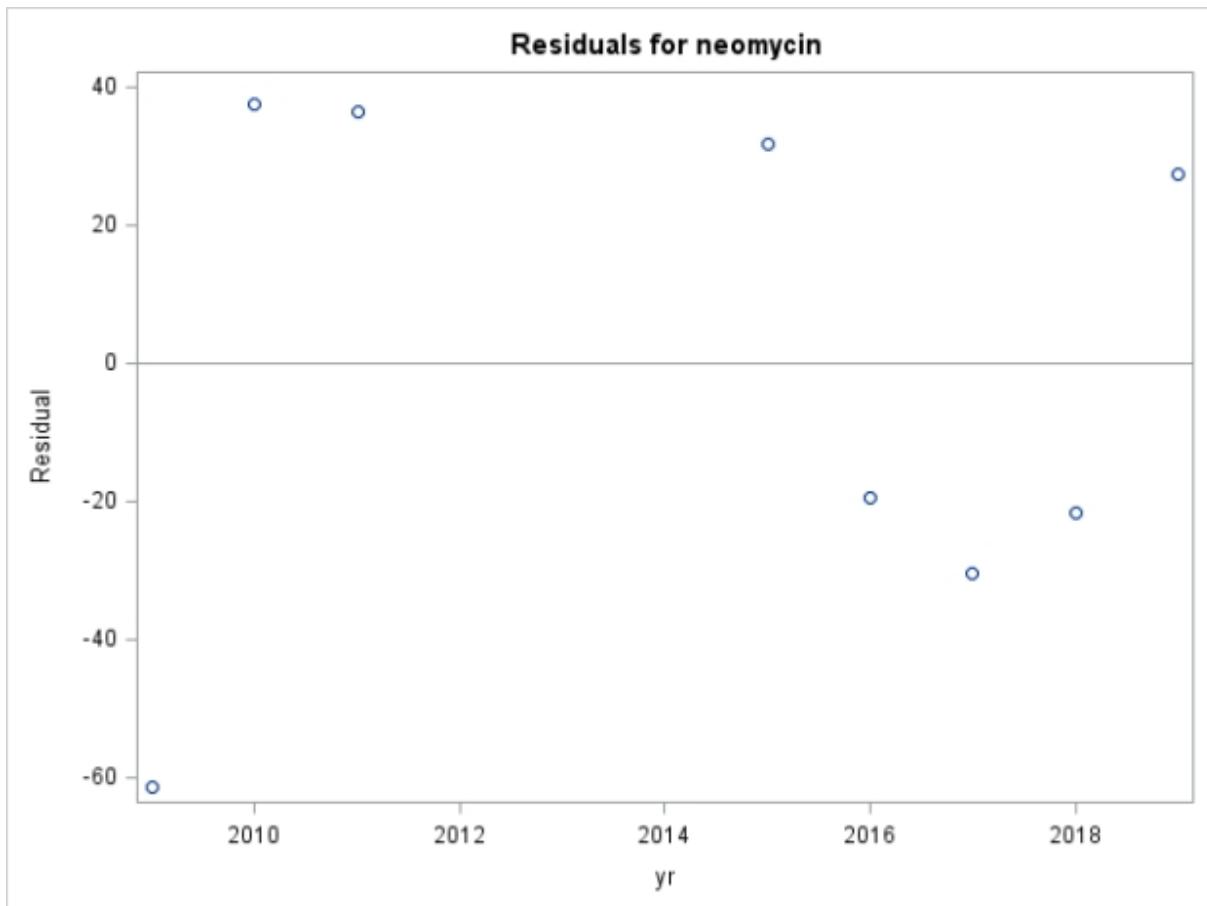
Root MSE	40.85969	R-Square	0.0131
Dependent Mean	67.50000	Adj R-Sq	-0.1514
Coeff Var	60.53288		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-2211.09507	8075.70815	-0.27	0.7934
yr	1	1.13117	4.00903	0.28	0.7873

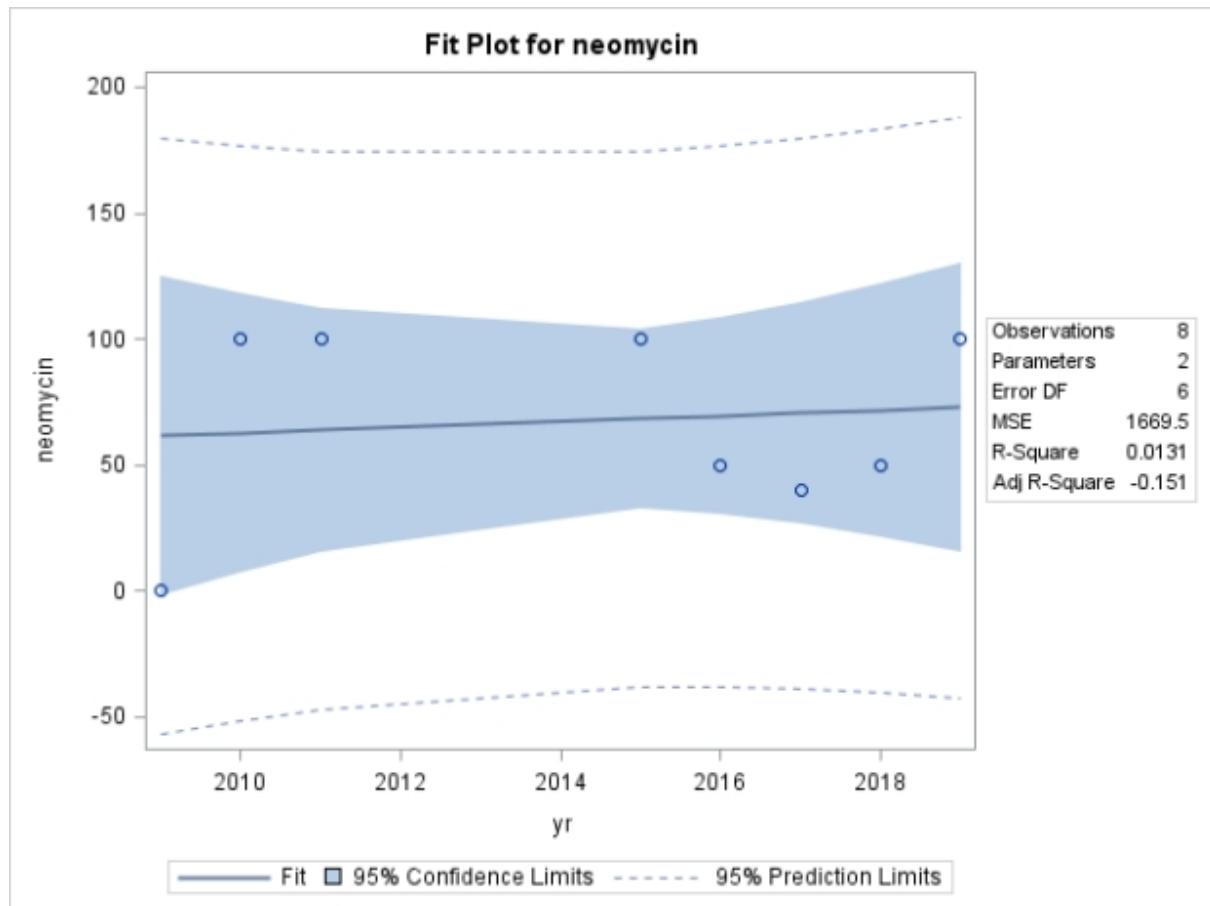
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: neomycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: neomycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: neomycin



**The UNIVARIATE Procedure**  
**Variable: neomycinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	-0.1297205	<b>Sum Observations</b>	-1.0377642
<b>Std Deviation</b>	1.37381353	<b>Variance</b>	1.88736362
<b>Skewness</b>	-1.2592509	<b>Kurtosis</b>	1.54297878
<b>Uncorrected SS</b>	13.3461646	<b>Corrected SS</b>	13.2115453
<b>Coeff Variation</b>	-1059.0564	<b>Std Error Mean</b>	0.48571643

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.12972	<b>Std Deviation</b>	1.37381
<b>Median</b>	0.15526	<b>Variance</b>	1.88736
<b>Mode</b>	.	<b>Range</b>	4.05118
		<b>Interquartile Range</b>	1.60455

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.26707	<b>Pr &gt;  t </b>	0.7971	
Sign	M 0	<b>Pr &gt;=  M </b>	1.0000	
Signed Rank	S 3	<b>Pr &gt;=  S </b>	0.7422	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.845576	<b>Pr &lt; W</b>	0.0859	
Kolmogorov-Smirnov	D 0.248377	<b>Pr &gt; D</b>	>0.1500	
Cramer-von Mises	W-Sq 0.085454	<b>Pr &gt; W-Sq</b>	0.1512	
Anderson-Darling	A-Sq 0.551781	<b>Pr &gt; A-Sq</b>	0.1058	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.127412
<b>99%</b>	1.127412
<b>95%</b>	1.127412
<b>90%</b>	1.127412
<b>75% Q3</b>	0.914296
<b>50% Median</b>	0.155257
<b>25% Q1</b>	-0.690257
<b>10%</b>	-2.923768
<b>5%</b>	-2.923768
<b>1%</b>	-2.923768
<b>0% Min</b>	-2.923768

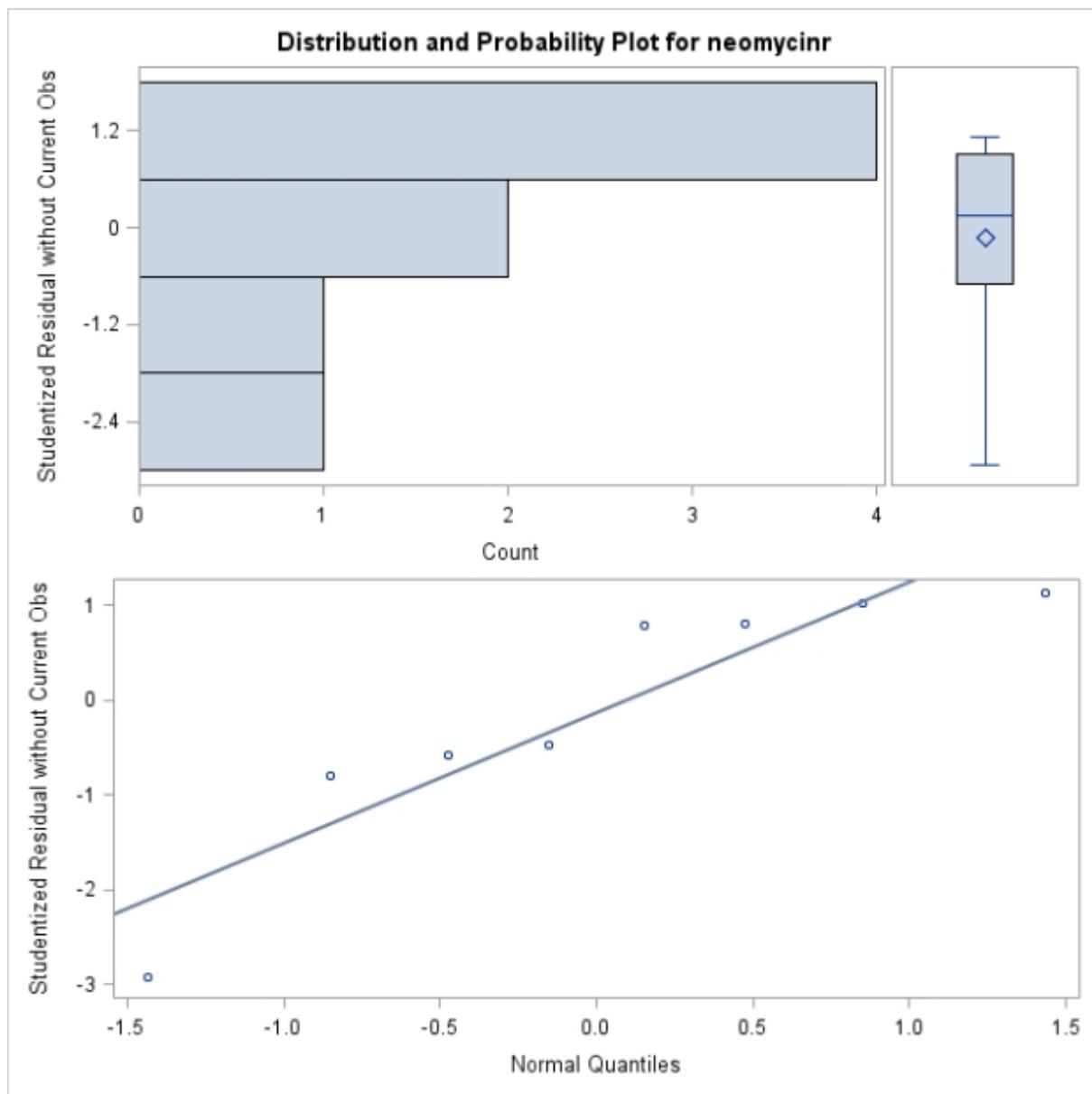
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.923768	2	-0.479386	9
-0.804498	10	0.789899	12
-0.576016	11	0.809295	8

**The UNIVARIATE Procedure****Variable: neomycininr (Studentized Residual without Current Obs)**

Extreme Observations					
Lowest		Highest			
Value	Obs	Value	Obs		
-0.479386	9	1.019297	4		
0.789899	12	1.127412	3		

Missing Values					
Missing Value	Count	Percent Of			
		All Obs	Missing Obs		
.	4	33.33		100.00	

The UNIVARIATE Procedure  
Variable: neomycinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ofloxacin**

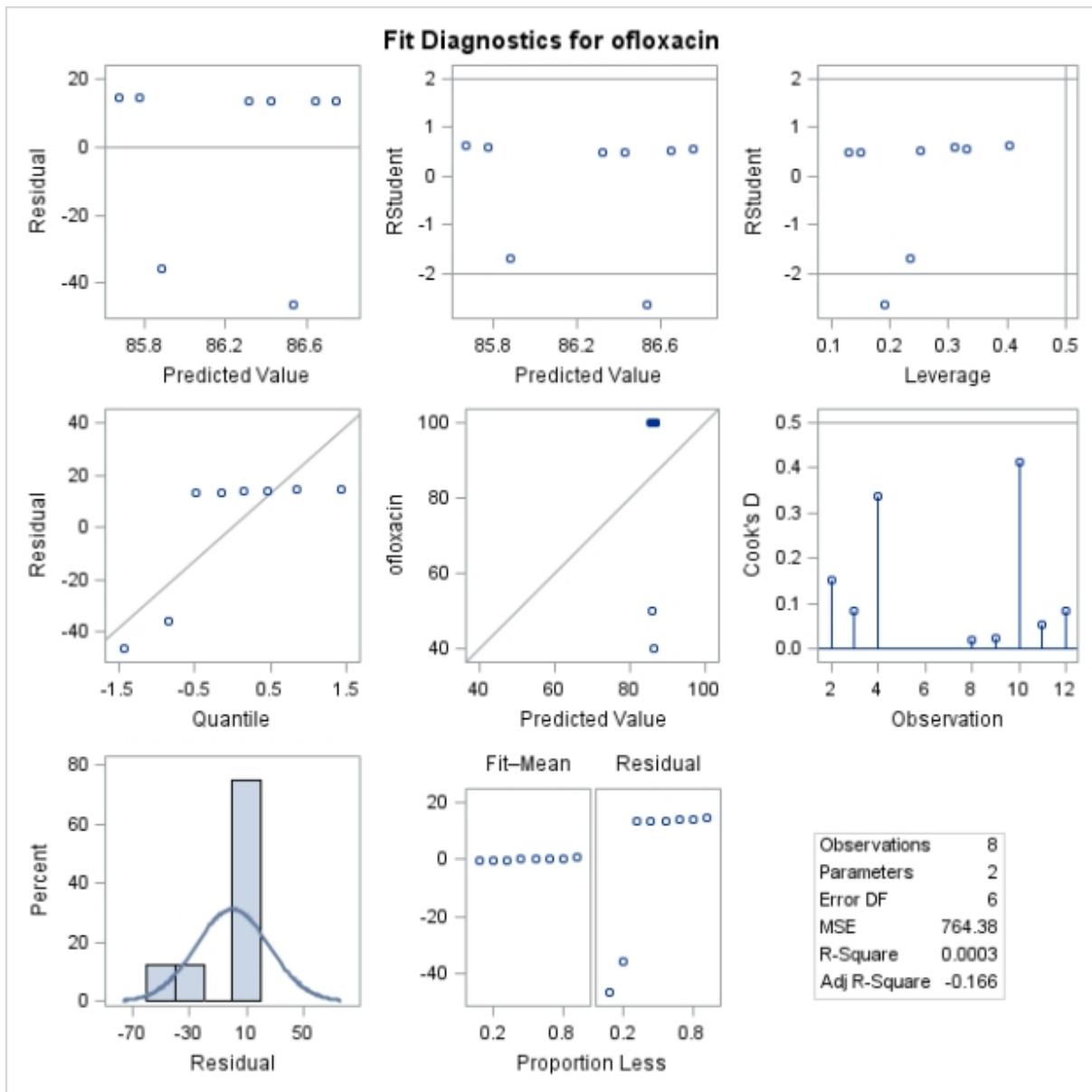
Number of Observations Read	12
Number of Observations Used	8
Number of Observations with Missing Values	4

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1.21841	1.21841	0.00	0.9694
Error	6	4586.28159	764.38026		
Corrected Total	7	4587.50000			

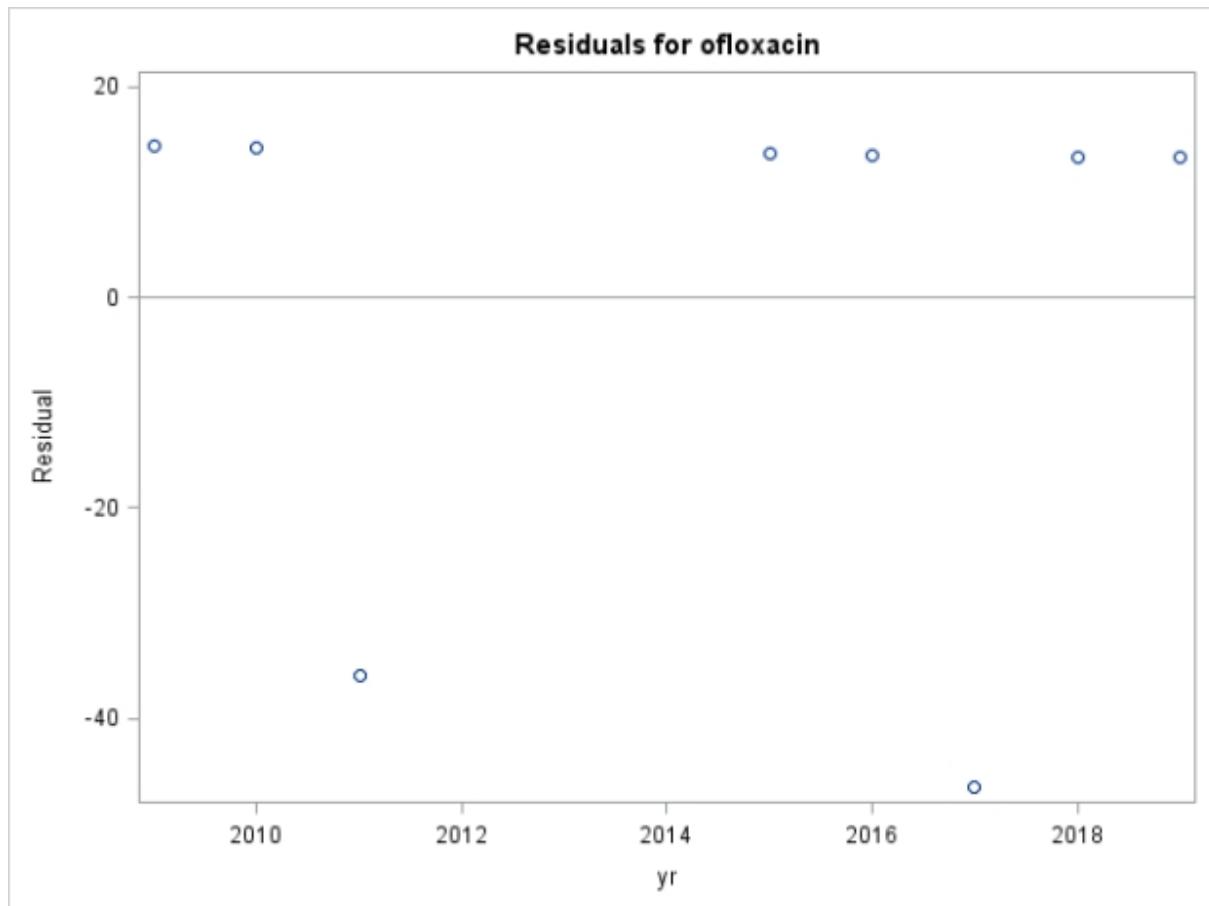
Root MSE	27.64743	R-Square	0.0003
Dependent Mean	86.25000	Adj R-Sq	-0.1664
Coeff Var	32.05499		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-131.91336	5464.37168	-0.02	0.9815
yr	1	0.10830	2.71268	0.04	0.9694

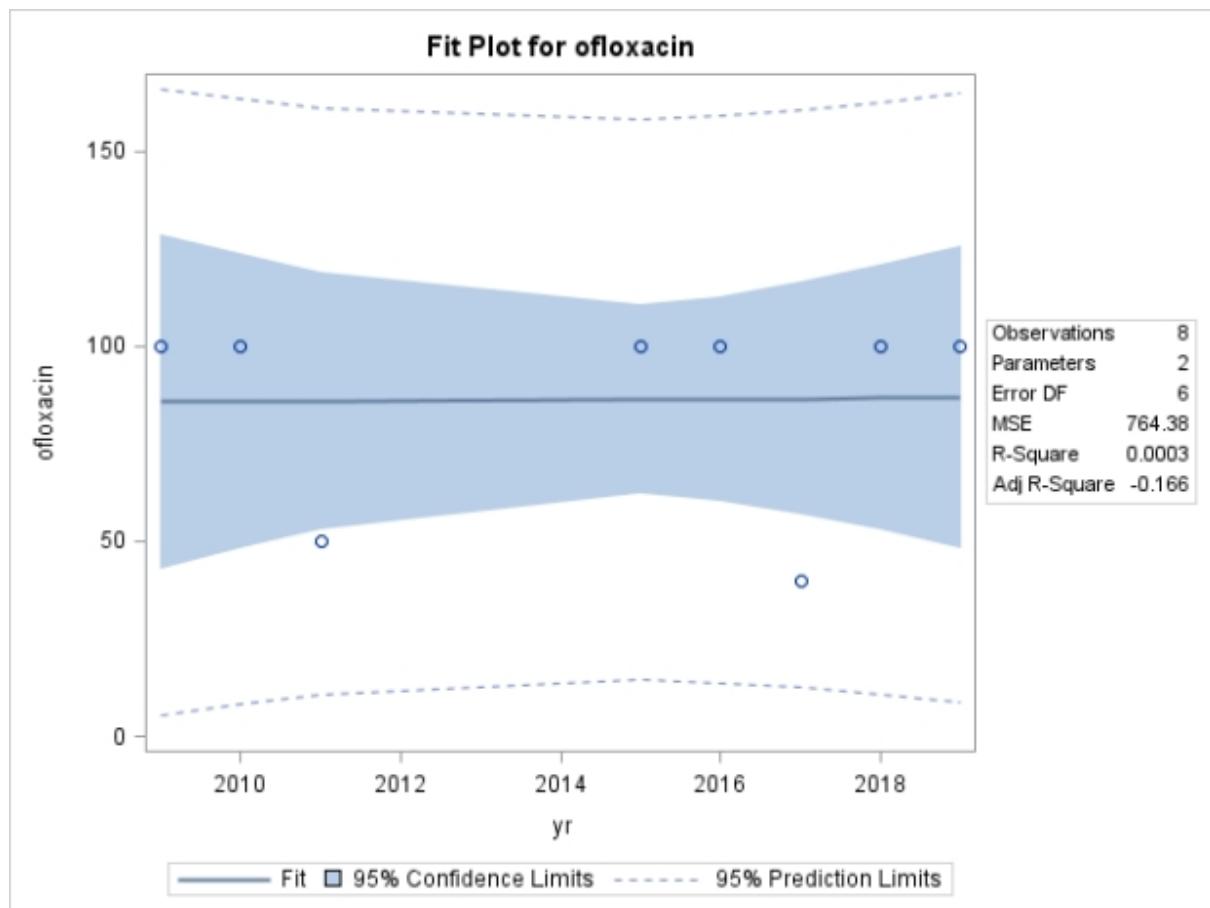
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: ofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: ofloxacin



**The UNIVARIATE Procedure**  
**Variable: ofloxacinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	-0.1326931	<b>Sum Observations</b>	-1.0615444
<b>Std Deviation</b>	1.2867431	<b>Variance</b>	1.6557078
<b>Skewness</b>	-1.597407	<b>Kurtosis</b>	1.03705413
<b>Uncorrected SS</b>	11.7308142	<b>Corrected SS</b>	11.5899546
<b>Coeff Variation</b>	-969.71398	<b>Std Error Mean</b>	0.45493238

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.13269	<b>Std Deviation</b>	1.28674
<b>Median</b>	0.51087	<b>Variance</b>	1.65571
<b>Mode</b>	.	<b>Range</b>	3.28557
		<b>Interquartile Range</b>	1.17059

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.29168	<b>Pr &gt;  t </b>	0.7790	
Sign	M 2	<b>Pr &gt;=  M </b>	0.2891	
Signed Rank	S 3	<b>Pr &gt;=  S </b>	0.7422	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.639358	<b>Pr &lt; W</b>	0.0005	
Kolmogorov-Smirnov	D 0.437367	<b>Pr &gt; D</b>	<0.0100	
Cramer-von Mises	W-Sq 0.294036	<b>Pr &gt; W-Sq</b>	<0.0050	
Anderson-Darling	A-Sq 1.468674	<b>Pr &gt; A-Sq</b>	<0.0050	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	0.636888
<b>99%</b>	0.636888
<b>95%</b>	0.636888
<b>90%</b>	0.636888
<b>75% Q3</b>	0.567424
<b>50% Median</b>	0.510870
<b>25% Q1</b>	-0.603168
<b>10%</b>	-2.648683
<b>5%</b>	-2.648683
<b>1%</b>	-2.648683
<b>0% Min</b>	-2.648683

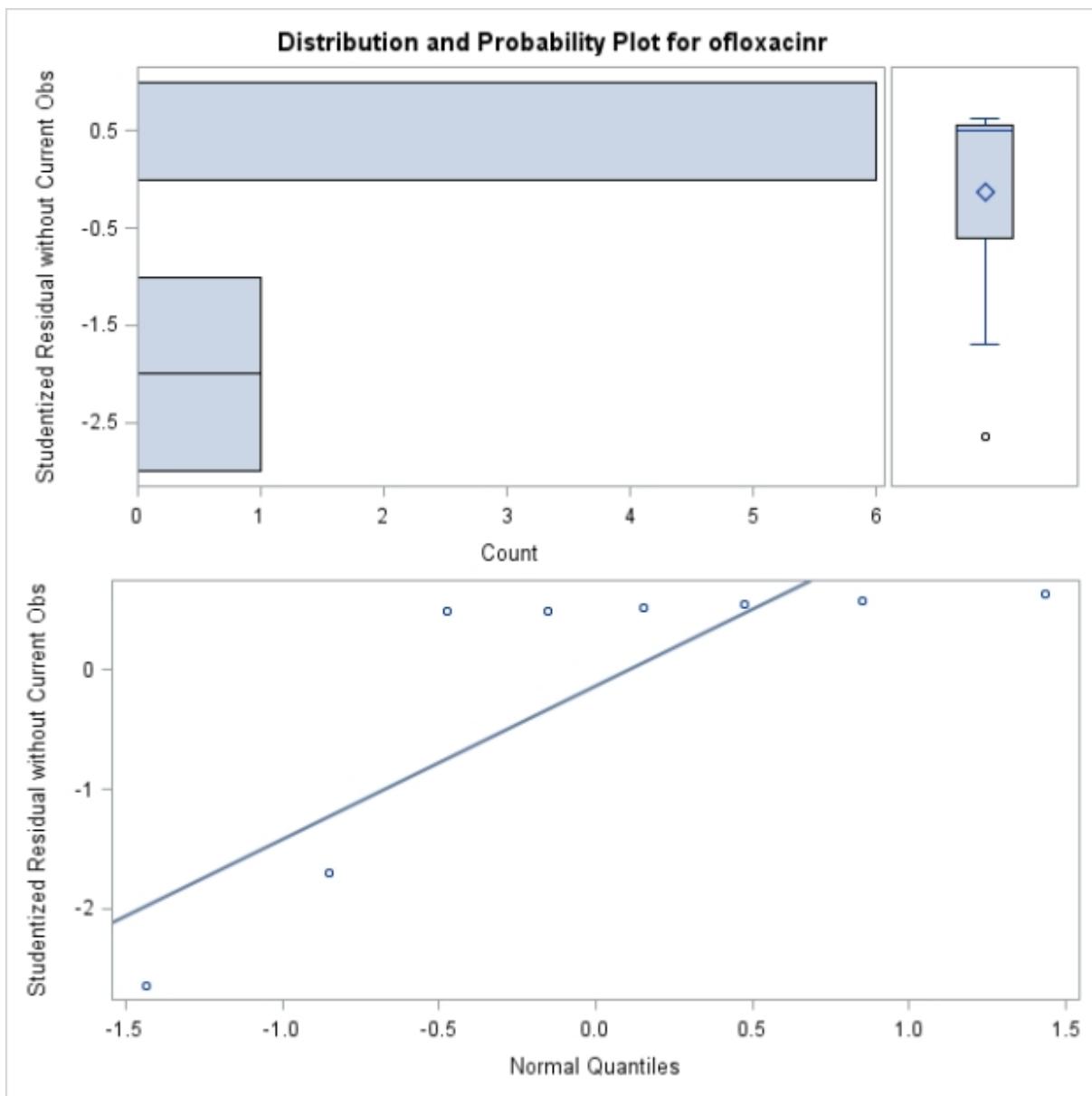
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-2.648683	10	0.498173	9
-1.702089	4	0.523567	11
0.495753	8	0.550802	12

**The UNIVARIATE Procedure**  
**Variable: ofloxacinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.498173	9	0.584045	3
0.523567	11	0.636888	2

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	4	33.33	100.00

The UNIVARIATE Procedure  
Variable: ofloxacinr (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**

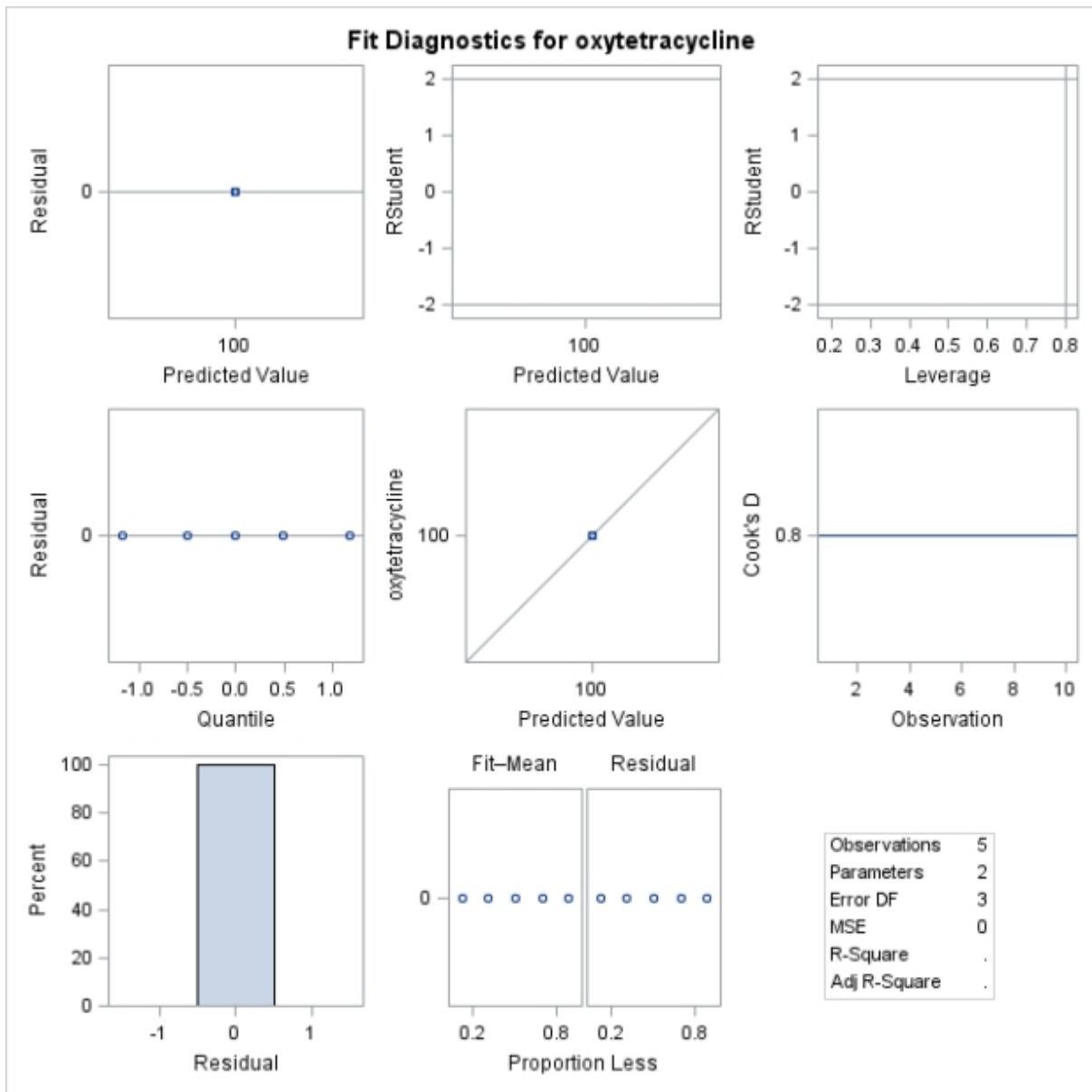
Number of Observations Read	12
Number of Observations Used	5
Number of Observations with Missing Values	7

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	3	0	0		
Corrected Total	4	0			

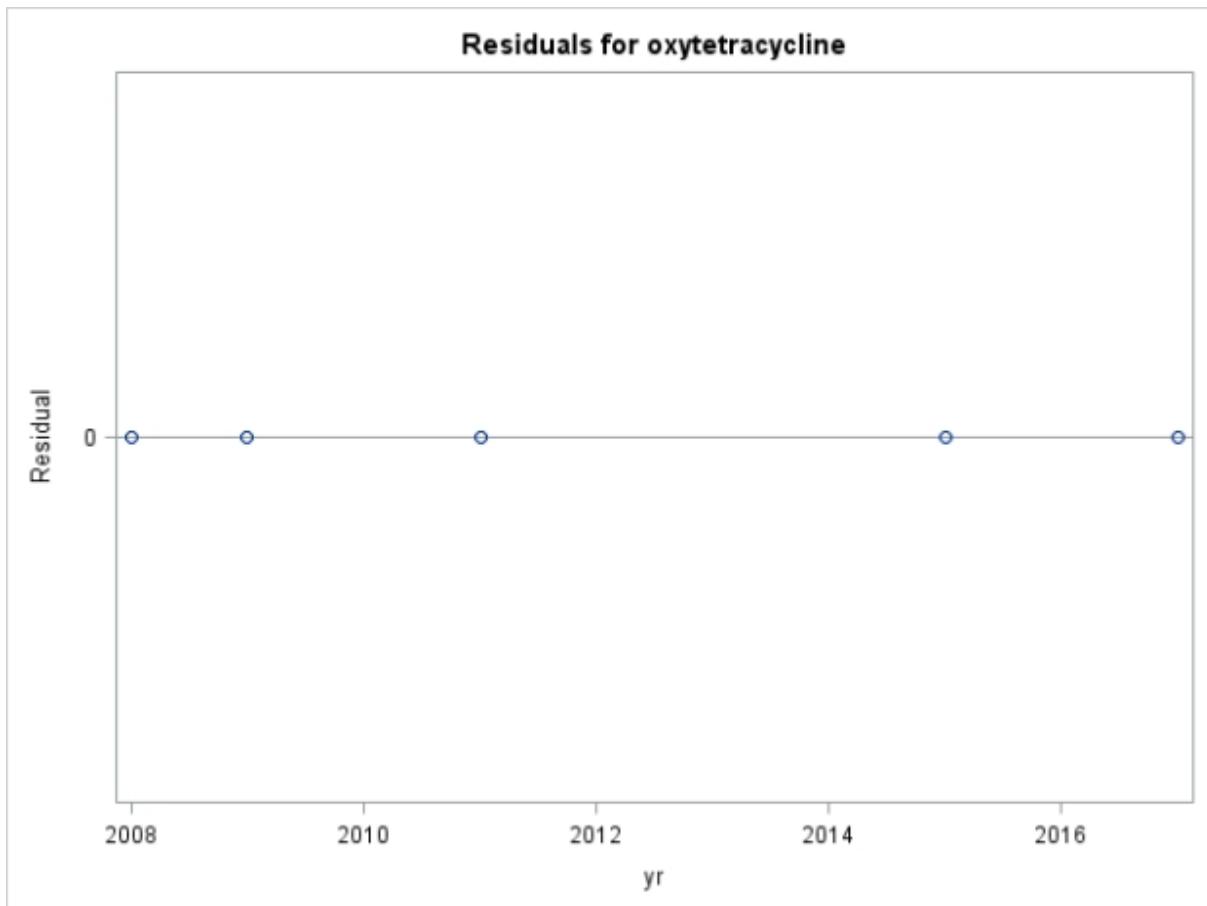
Root MSE	0	R-Square	.
Dependent Mean	100.00000	Adj R-Sq	.
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	100.00000	0	Infty	<.0001
yr	1	0	0	.	.

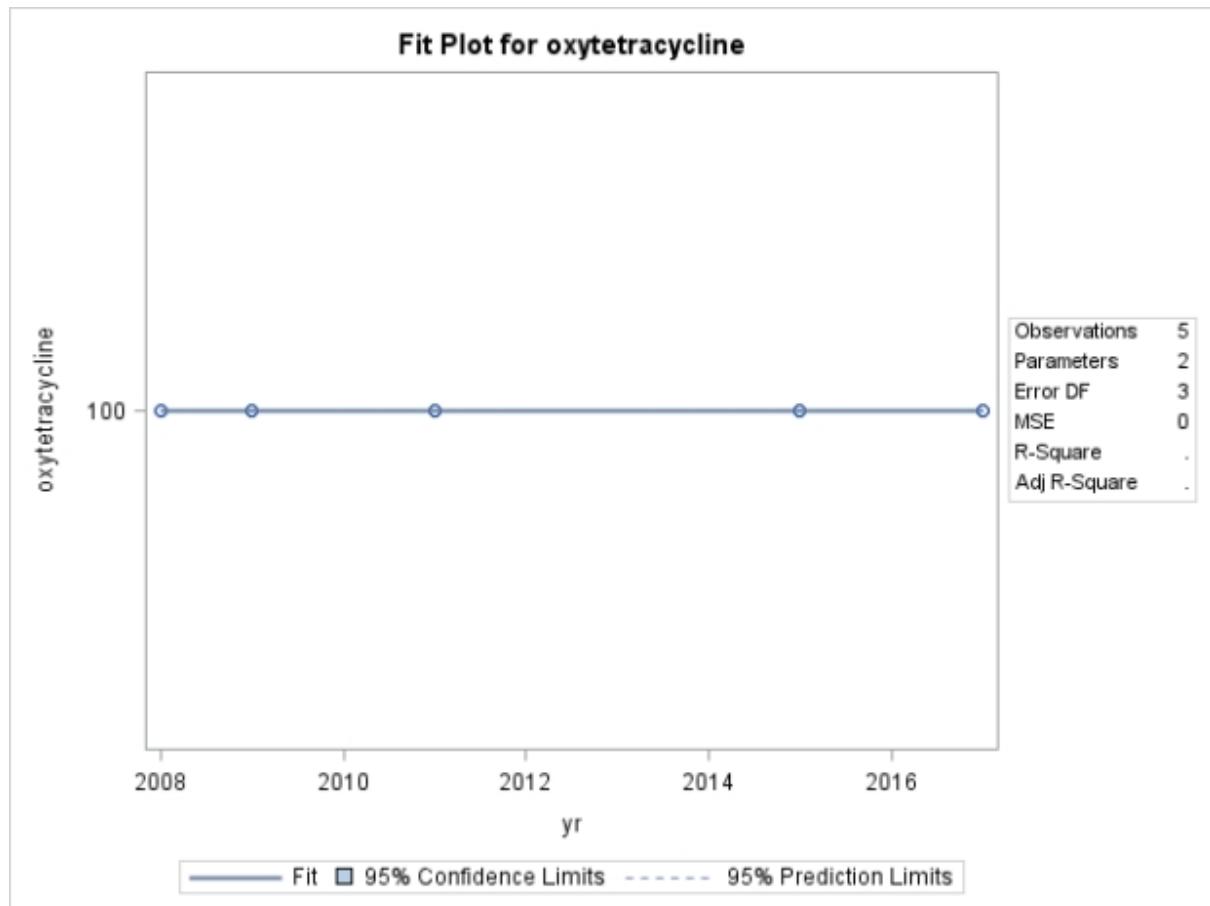
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



**The UNIVARIATE Procedure**  
**Variable: oxytetracycliner (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: polymyxin\_b**

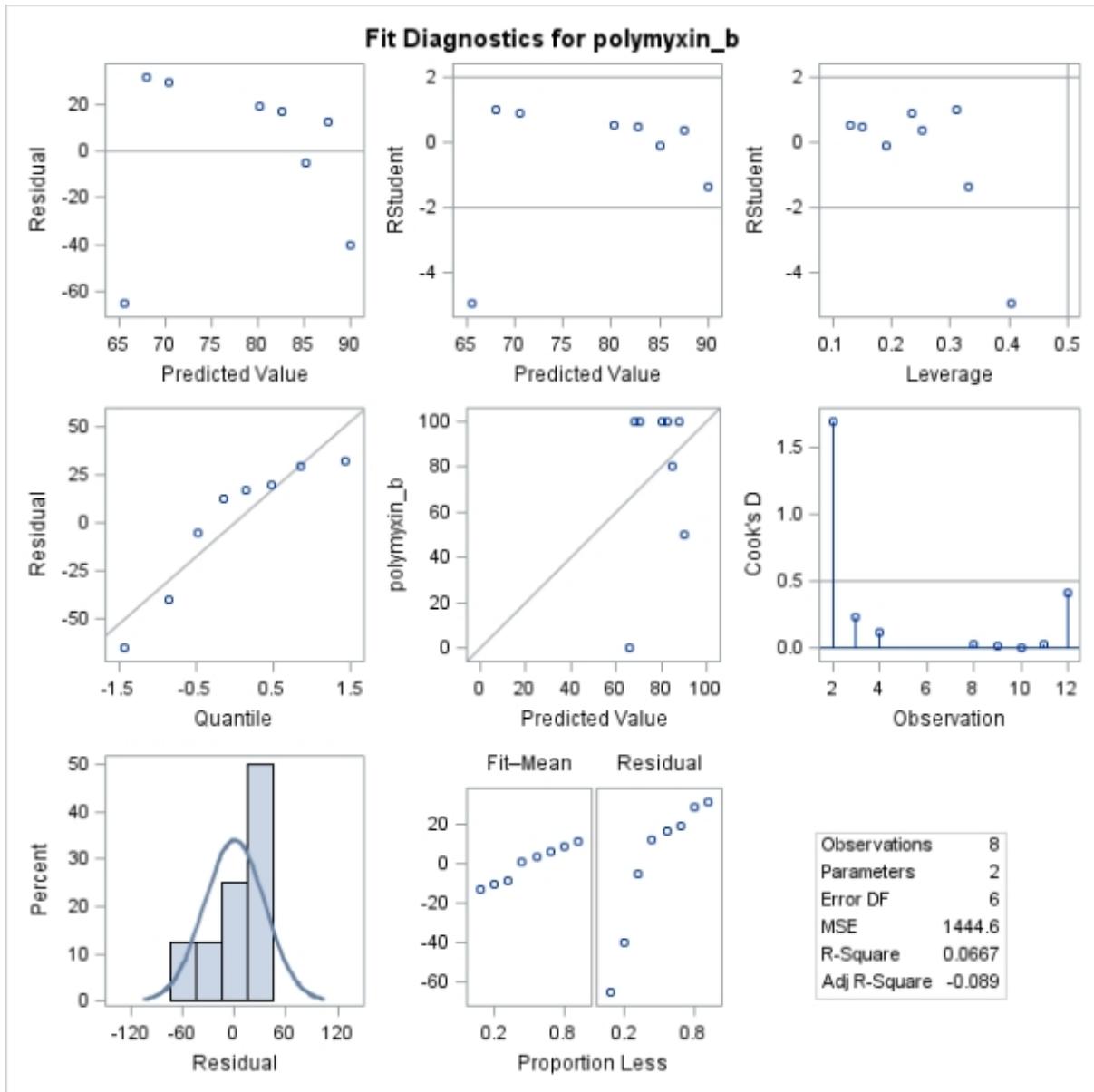
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	8
<b>Number of Observations with Missing Values</b>	4

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	619.87064	619.87064	0.43	0.5367
<b>Error</b>	6	8667.62936	1444.60489		
<b>Corrected Total</b>	7	9287.50000			

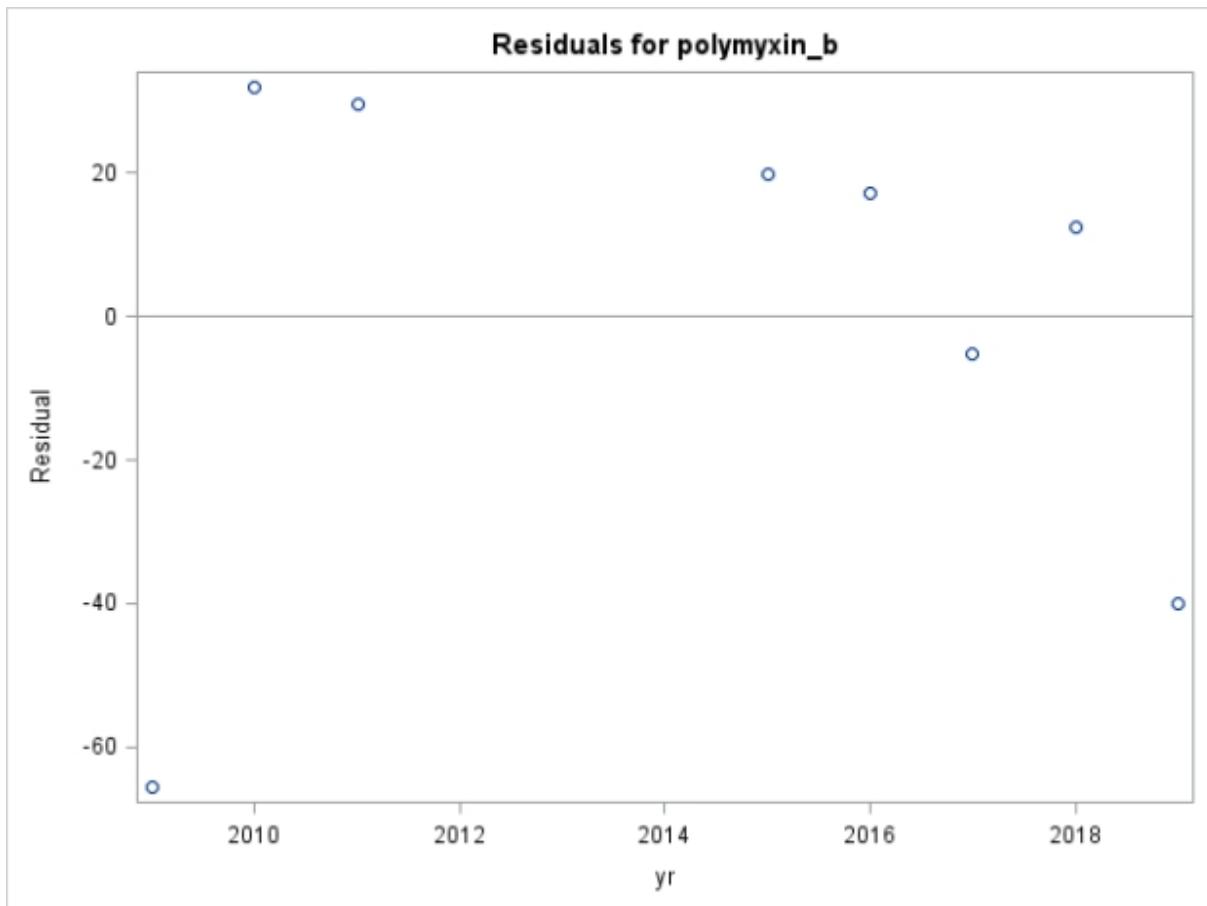
<b>Root MSE</b>	38.00796	<b>R-Square</b>	0.0667
<b>Dependent Mean</b>	78.75000	<b>Adj R-Sq</b>	-0.0888
<b>Coeff Var</b>	48.26407		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	-4842.04573	7512.07716	-0.64	0.5430
<b>yr</b>	1	2.44284	3.72923	0.66	0.5367

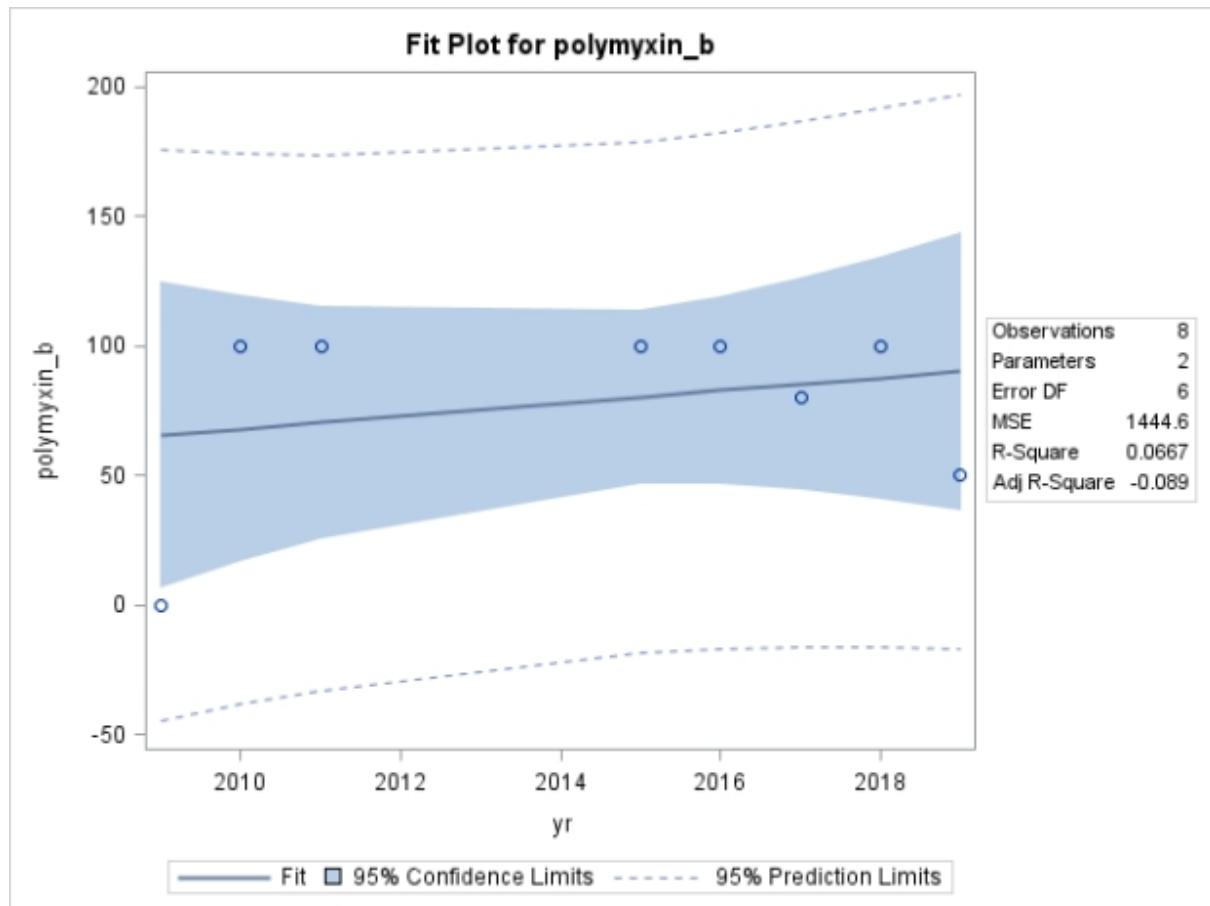
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: polymyxin\_b**



The REG Procedure  
Model: MODEL1  
Dependent Variable: polymyxin\_b



The REG Procedure  
Model: MODEL1  
Dependent Variable: polymyxin\_b



**The UNIVARIATE Procedure**  
**Variable: polymyxin\_br (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	-0.4114238	<b>Sum Observations</b>	-3.2913904
<b>Std Deviation</b>	1.99212118	<b>Variance</b>	3.96854679
<b>Skewness</b>	-2.1553753	<b>Kurtosis</b>	4.80209004
<b>Uncorrected SS</b>	29.1339838	<b>Corrected SS</b>	27.7798275
<b>Coeff Variation</b>	-484.20174	<b>Std Error Mean</b>	0.7043212

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	-0.41142	<b>Std Deviation</b>	1.99212
<b>Median</b>	0.40397	<b>Variance</b>	3.96855
<b>Mode</b>	.	<b>Range</b>	5.99505
		<b>Interquartile Range</b>	1.45525

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	p Value		
Student's t	t -0.58414	<b>Pr &gt;  t </b>	0.5775	
Sign	M 1	<b>Pr &gt;=  M </b>	0.7266	
Signed Rank	S 2	<b>Pr &gt;=  S </b>	0.8438	

<b>Tests for Normality</b>				
Test	Statistic	p Value		
Shapiro-Wilk	W 0.716426	<b>Pr &lt; W</b>	0.0035	
Kolmogorov-Smirnov	D 0.304556	<b>Pr &gt; D</b>	0.0271	
Cramer-von Mises	W-Sq 0.179177	<b>Pr &gt; W-Sq</b>	0.0073	
Anderson-Darling	A-Sq 1.011163	<b>Pr &gt; A-Sq</b>	0.0057	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	1.013297
<b>99%</b>	1.013297
<b>95%</b>	1.013297
<b>90%</b>	1.013297
<b>75% Q3</b>	0.694908
<b>50% Median</b>	0.403971
<b>25% Q1</b>	-0.760345
<b>10%</b>	-4.981756
<b>5%</b>	-4.981756
<b>1%</b>	-4.981756
<b>0% Min</b>	-4.981756

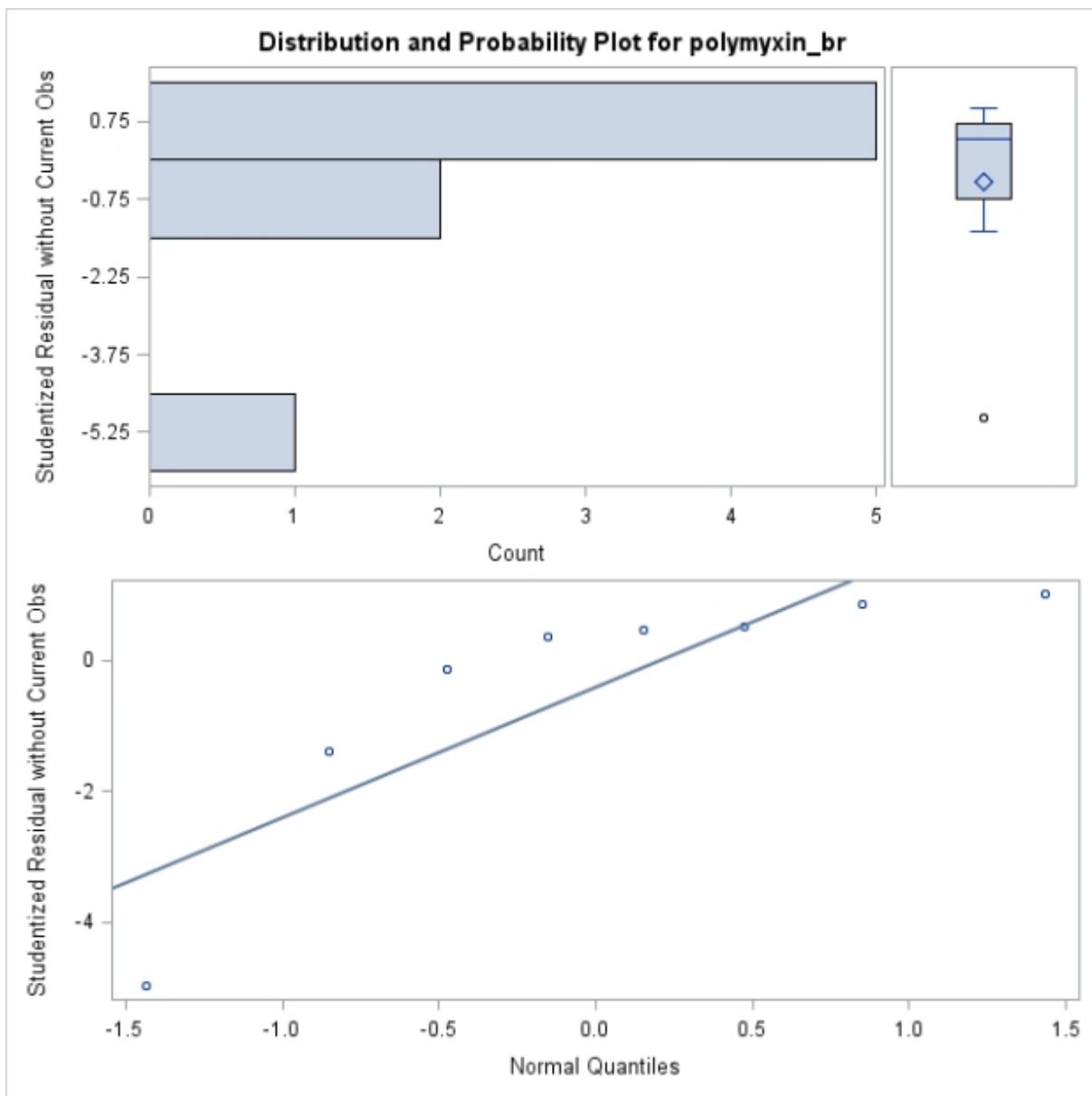
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-4.981756	2	0.348241	11
-1.382545	12	0.459701	9
-0.138145	10	0.521109	8

**The UNIVARIATE Procedure**  
**Variable: polymyxin\_br (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.348241	11	0.868708	4
0.459701	9	1.013297	3

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	4	33.33	100.00

The UNIVARIATE Procedure  
Variable: polymyxin\_br (Studentized Residual without Current Obs)



**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: tobramycin**

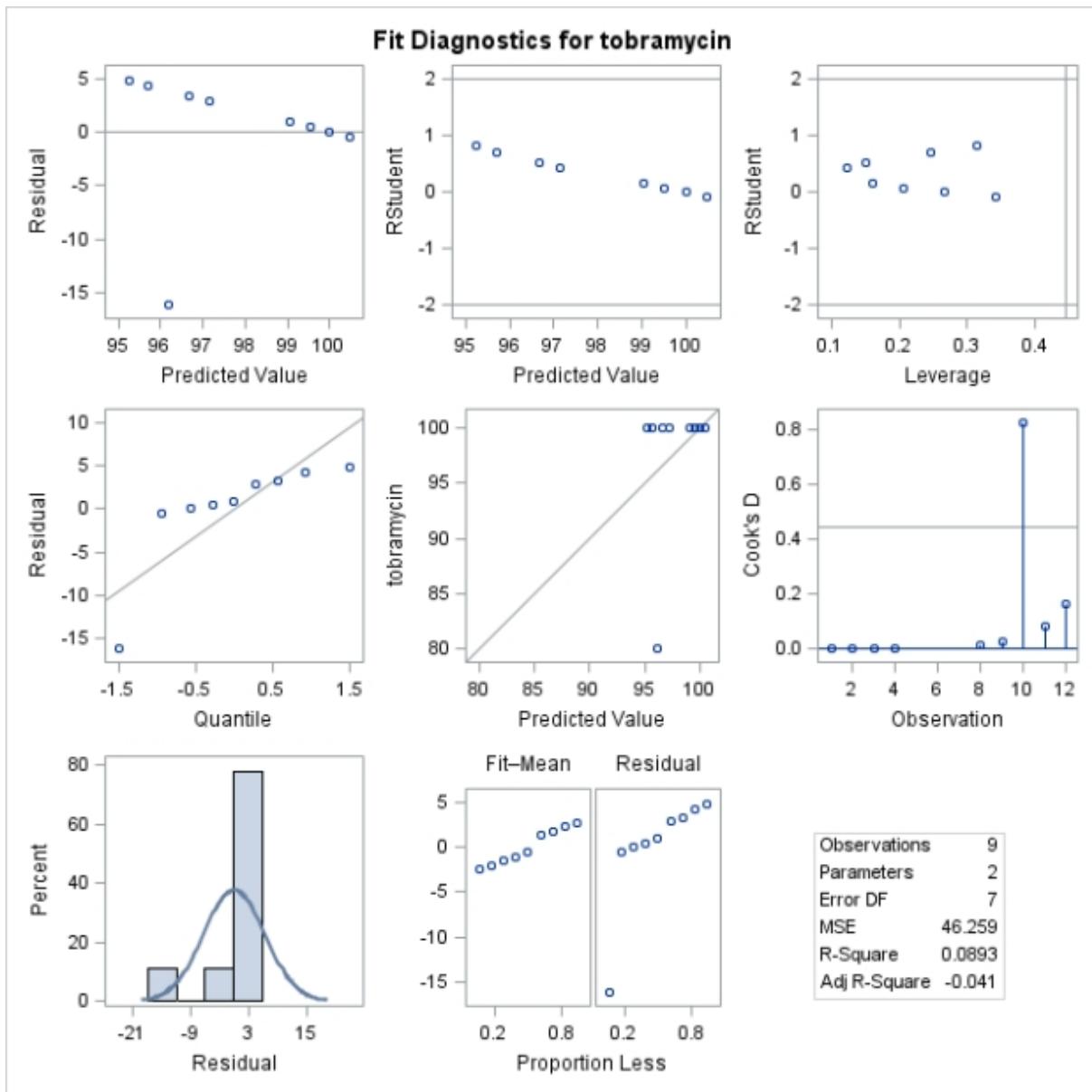
<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	9
<b>Number of Observations with Missing Values</b>	3

<b>Analysis of Variance</b>					
<b>Source</b>	<b>DF</b>	<b>Sum of Squares</b>	<b>Mean Square</b>	<b>F Value</b>	<b>Pr &gt; F</b>
<b>Model</b>	1	31.74603	31.74603	0.69	0.4348
<b>Error</b>	7	323.80952	46.25850		
<b>Corrected Total</b>	8	355.55556			

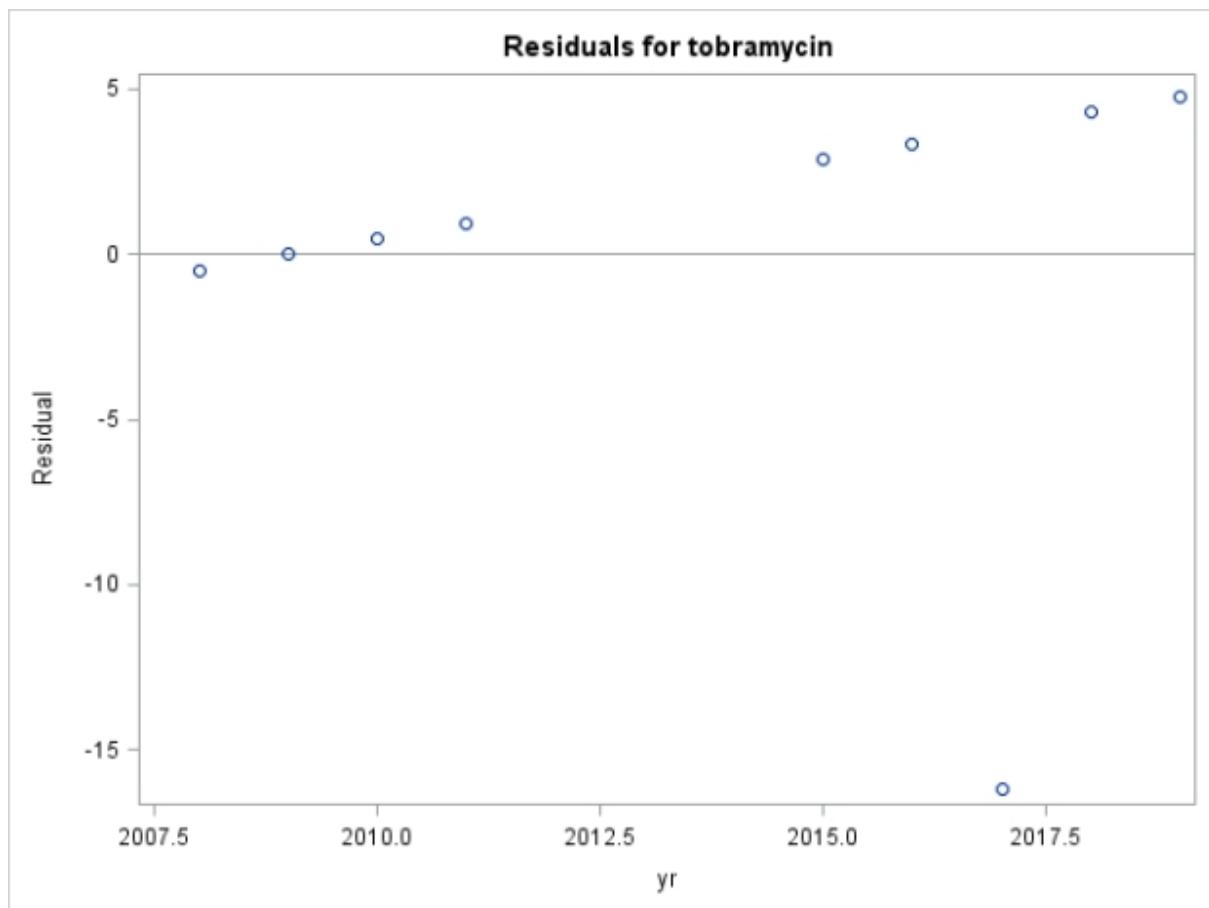
<b>Root MSE</b>	6.80136	<b>R-Square</b>	0.0893
<b>Dependent Mean</b>	97.77778	<b>Adj R-Sq</b>	-0.0408
<b>Coeff Var</b>	6.95594		

<b>Parameter Estimates</b>					
<b>Variable</b>	<b>DF</b>	<b>Parameter Estimate</b>	<b>Standard Error</b>	<b>t Value</b>	<b>Pr &gt;  t </b>
<b>Intercept</b>	1	1056.66667	1157.49783	0.91	0.3917
<b>yr</b>	1	-0.47619	0.57482	-0.83	0.4348

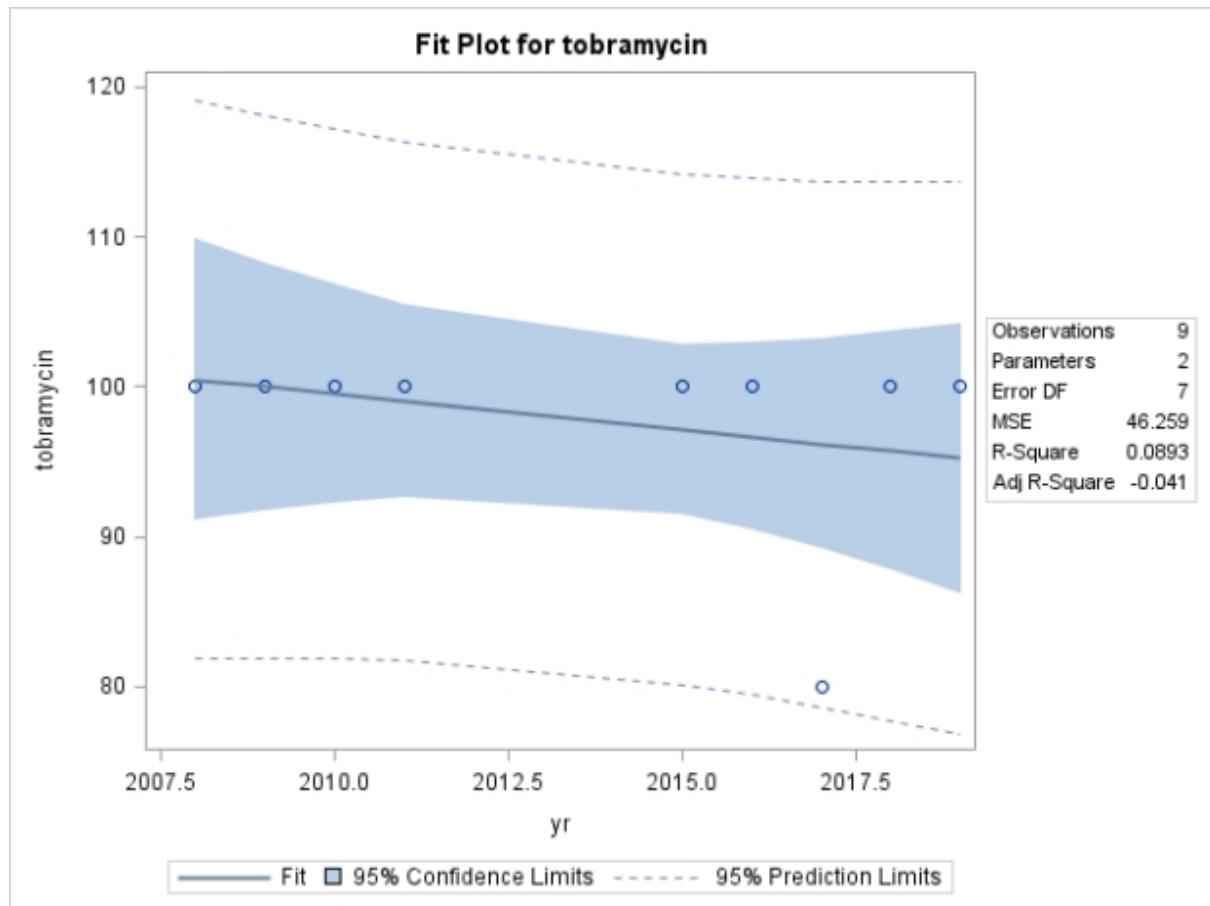
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: tobramycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: tobramycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: tobramycin



**The UNIVARIATE Procedure**  
**Variable: tobramycinr (Studentized Residual without Current Obs)**

<b>Moments</b>			
<b>N</b>	8	<b>Sum Weights</b>	8
<b>Mean</b>	0.3228964	<b>Sum Observations</b>	2.58317117
<b>Std Deviation</b>	0.33760858	<b>Variance</b>	0.11397955
<b>Skewness</b>	0.32906319	<b>Kurtosis</b>	-1.5412157
<b>Uncorrected SS</b>	1.63195352	<b>Corrected SS</b>	0.79785686
<b>Coeff Variation</b>	104.556316	<b>Std Error Mean</b>	0.11936266

<b>Basic Statistical Measures</b>			
<b>Location</b>		<b>Variability</b>	
<b>Mean</b>	0.322896	<b>Std Deviation</b>	0.33761
<b>Median</b>	0.281725	<b>Variance</b>	0.11398
<b>Mode</b>	.	<b>Range</b>	0.90596
		<b>Interquartile Range</b>	0.56391

<b>Tests for Location: Mu0=0</b>				
Test	Statistic	<b>p Value</b>		
Student's t	t 2.705171	<b>Pr &gt;  t </b>	0.0304	
Sign	M 3	<b>Pr &gt;=  M </b>	0.0703	
Signed Rank	S 15	<b>Pr &gt;=  S </b>	0.0391	

<b>Tests for Normality</b>				
Test	Statistic	<b>p Value</b>		
Shapiro-Wilk	W 0.927077	<b>Pr &lt; W</b>	0.4899	
Kolmogorov-Smirnov	D 0.204114	<b>Pr &gt; D</b>	>0.1500	
Cramer-von Mises	W-Sq 0.046578	<b>Pr &gt; W-Sq</b>	>0.2500	
Anderson-Darling	A-Sq 0.288765	<b>Pr &gt; A-Sq</b>	>0.2500	

<b>Quantiles (Definition 5)</b>	
Level	Quantile
<b>100% Max</b>	0.8260984
<b>99%</b>	0.8260984
<b>95%</b>	0.8260984
<b>90%</b>	0.8260984
<b>75% Q3</b>	0.6003266
<b>50% Median</b>	0.2817249
<b>25% Q1</b>	0.0364146
<b>10%</b>	-0.0798596
<b>5%</b>	-0.0798596
<b>1%</b>	-0.0798596
<b>0% Min</b>	-0.0798596

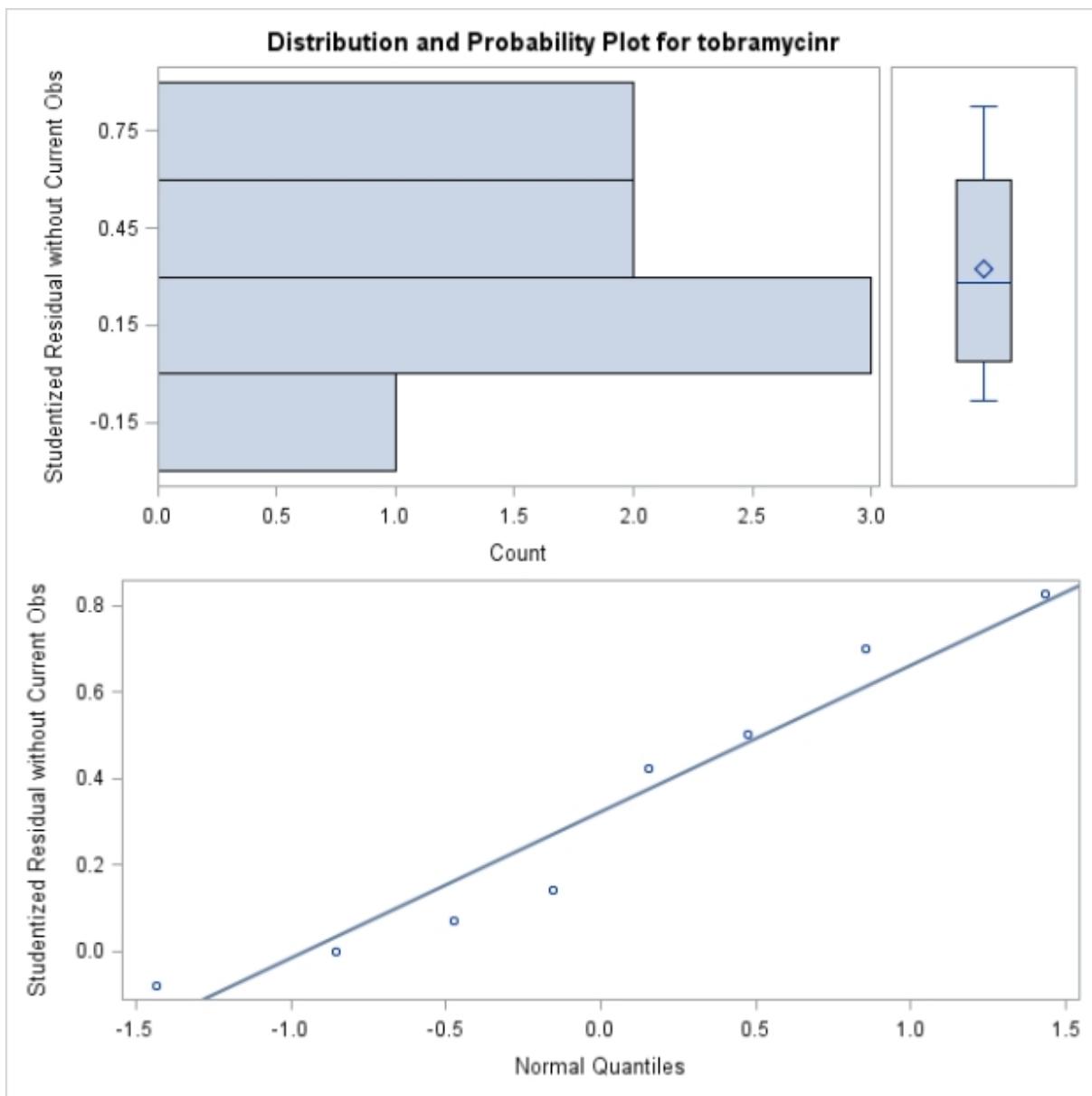
<b>Extreme Observations</b>			
<b>Lowest</b>		<b>Highest</b>	
Value	Obs	Value	Obs
-0.0798596	1	0.141848	4
0.0000000	2	0.421602	8
0.0728293	3	0.502398	9

**The UNIVARIATE Procedure****Variable: tobramycinr (Studentized Residual without Current Obs)**

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
0.1418475	4	0.698255	11
0.4216023	8	0.826098	12

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	4	33.33	100.00

The UNIVARIATE Procedure  
Variable: tobramycinr (Studentized Residual without Current Obs)



**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure****Variable: bacitracinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**

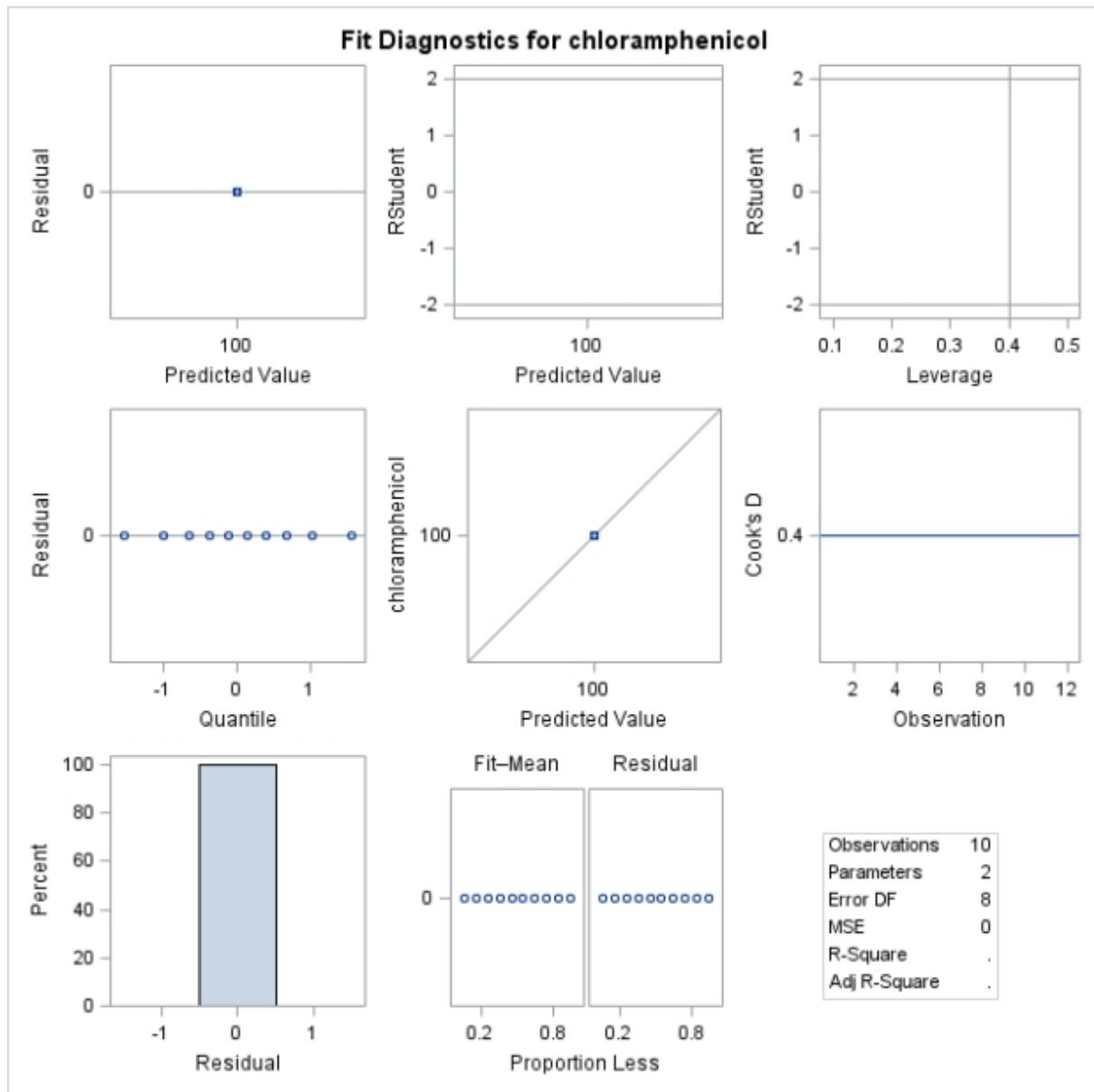
Number of Observations Read	12
Number of Observations Used	10
Number of Observations with Missing Values	2

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	8	0	0		
Corrected Total	9	0			

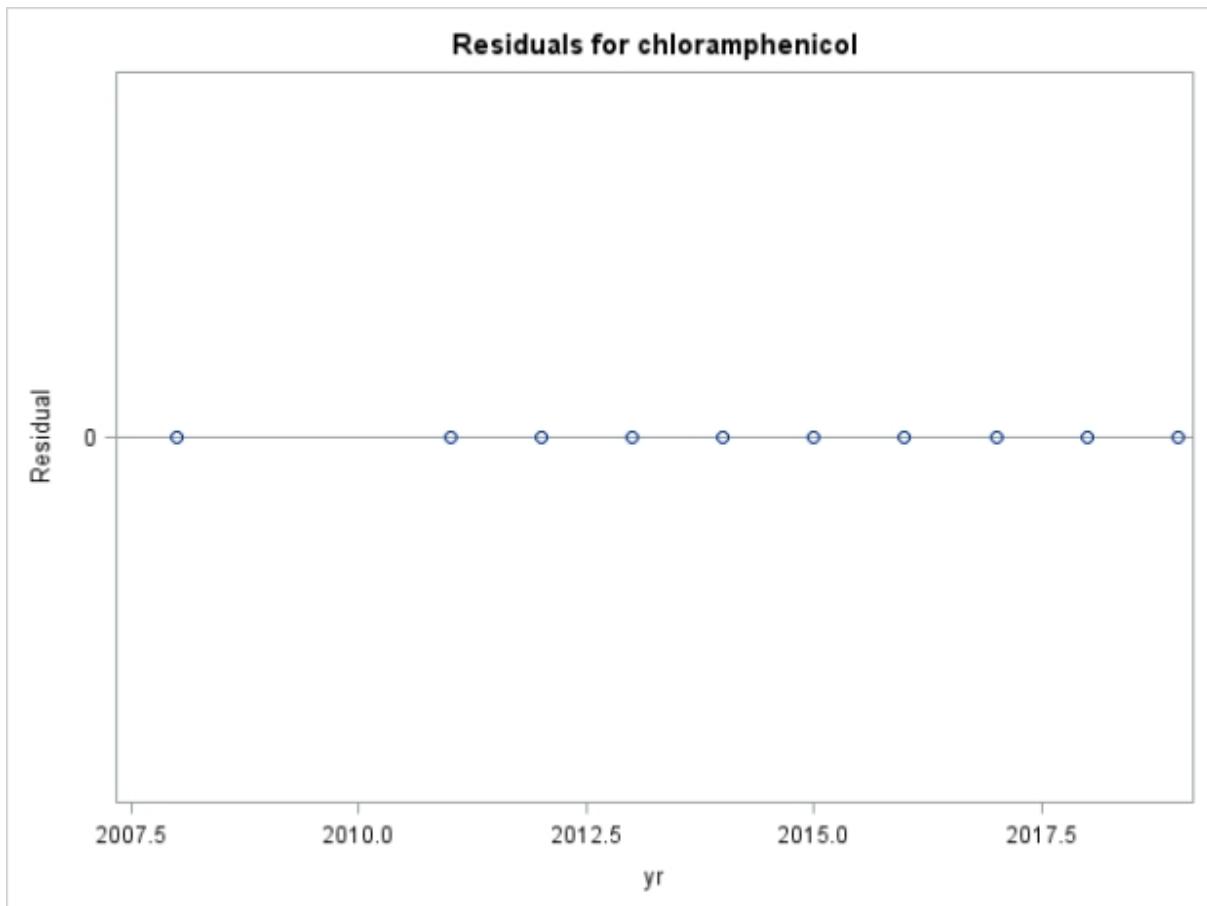
Root MSE	0	R-Square	.
Dependent Mean	100.00000	Adj R-Sq	.
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	100.00000	0	Infty	<.0001
yr	1	0	0	.	.

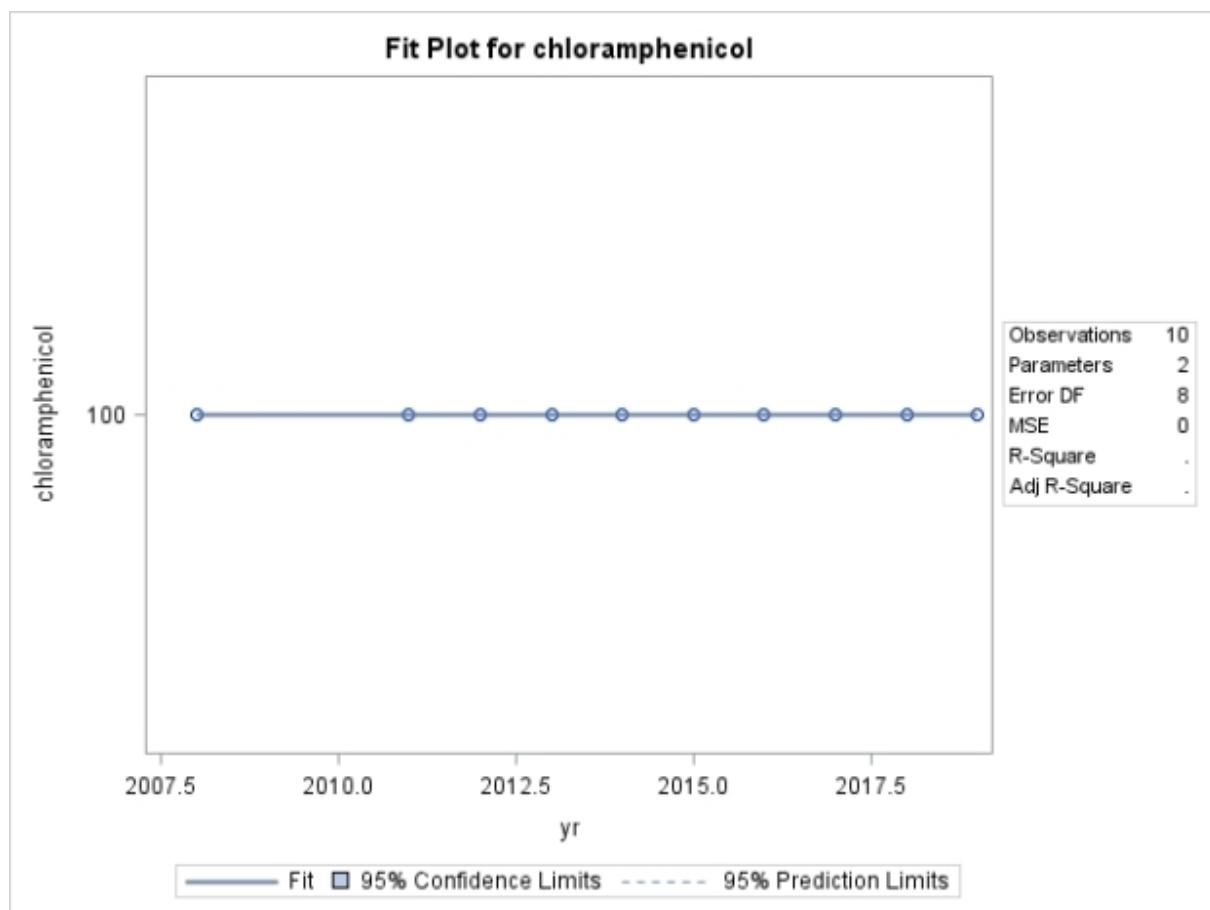
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: chloramphenicol**



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



The REG Procedure  
Model: MODEL1  
Dependent Variable: chloramphenicol



**The UNIVARIATE Procedure****Variable: chloramphenicolr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**

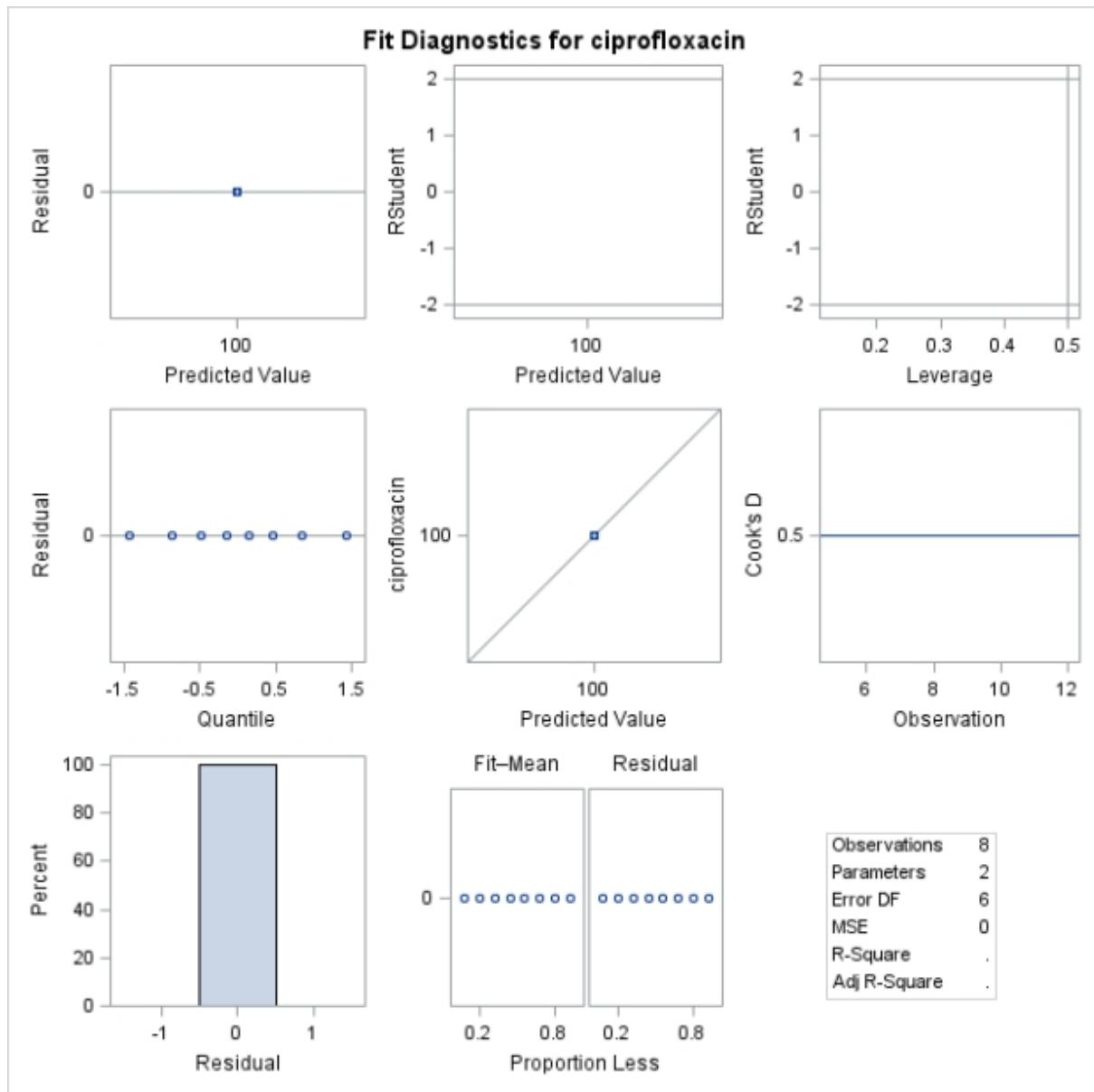
Number of Observations Read	12
Number of Observations Used	8
Number of Observations with Missing Values	4

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	6	0	0		
Corrected Total	7	0			

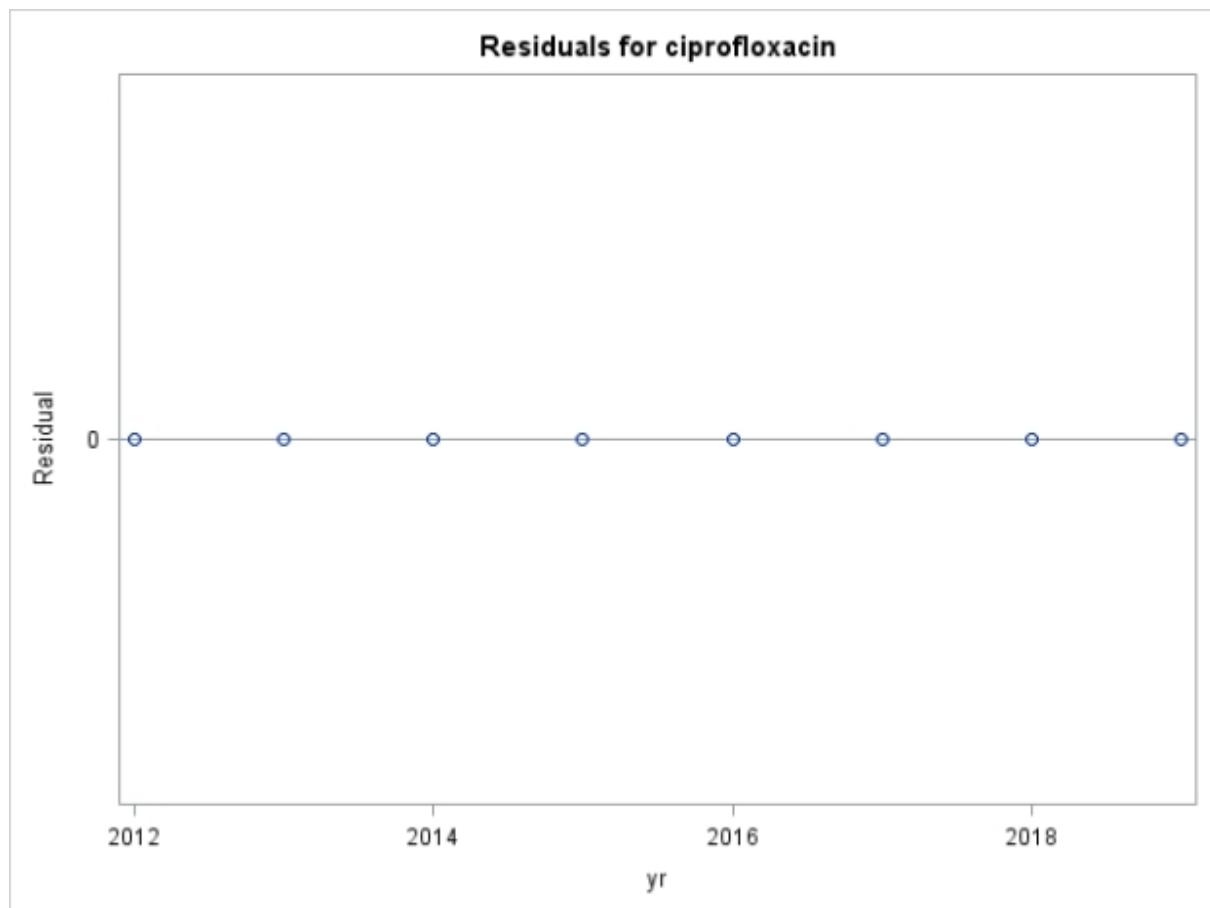
Root MSE	0	R-Square	.
Dependent Mean	100.00000	Adj R-Sq	.
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	100.00000	0	Infty	<.0001
yr	1	0	0	.	.

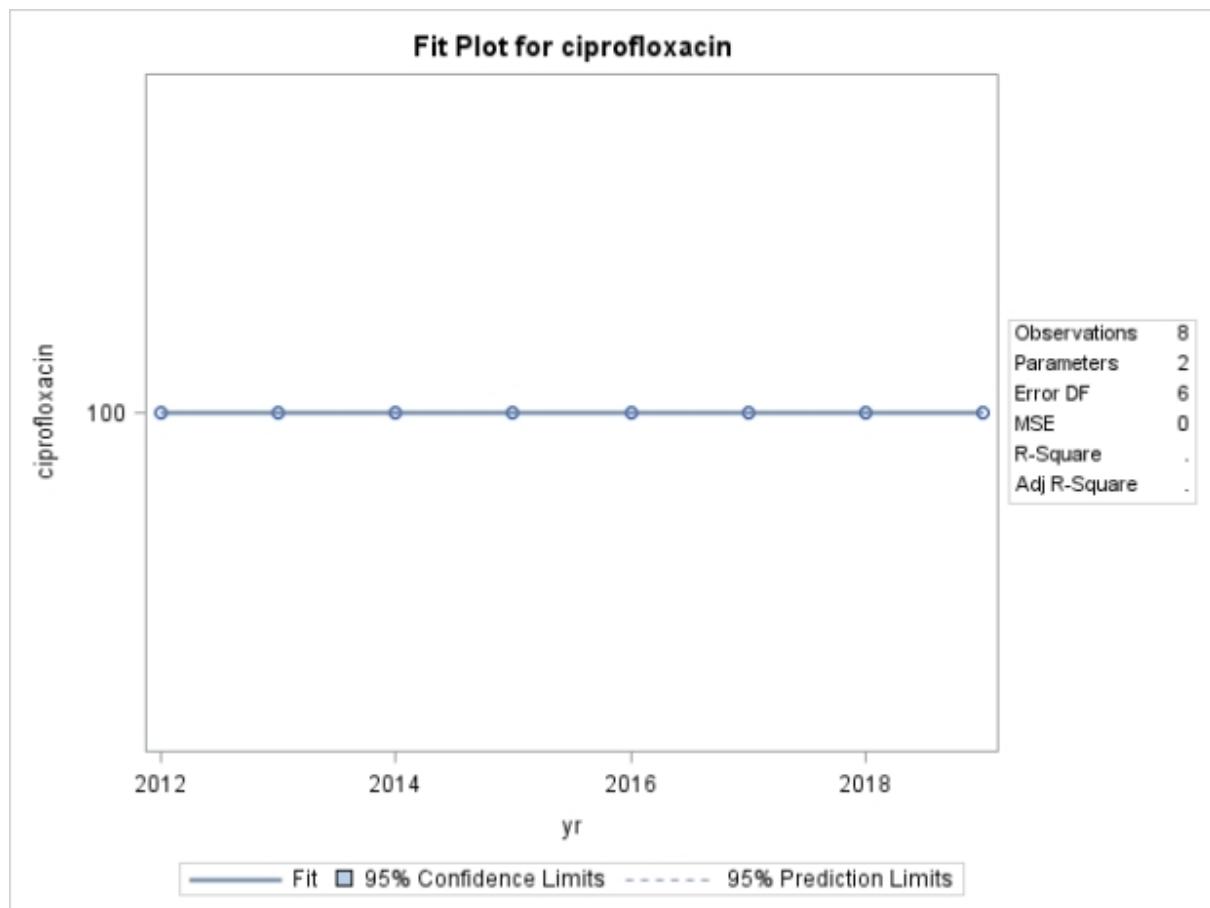
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: ciprofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: ciprofloxacin



**The UNIVARIATE Procedure**  
**Variable: ciprofloxacinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: erythromycin**

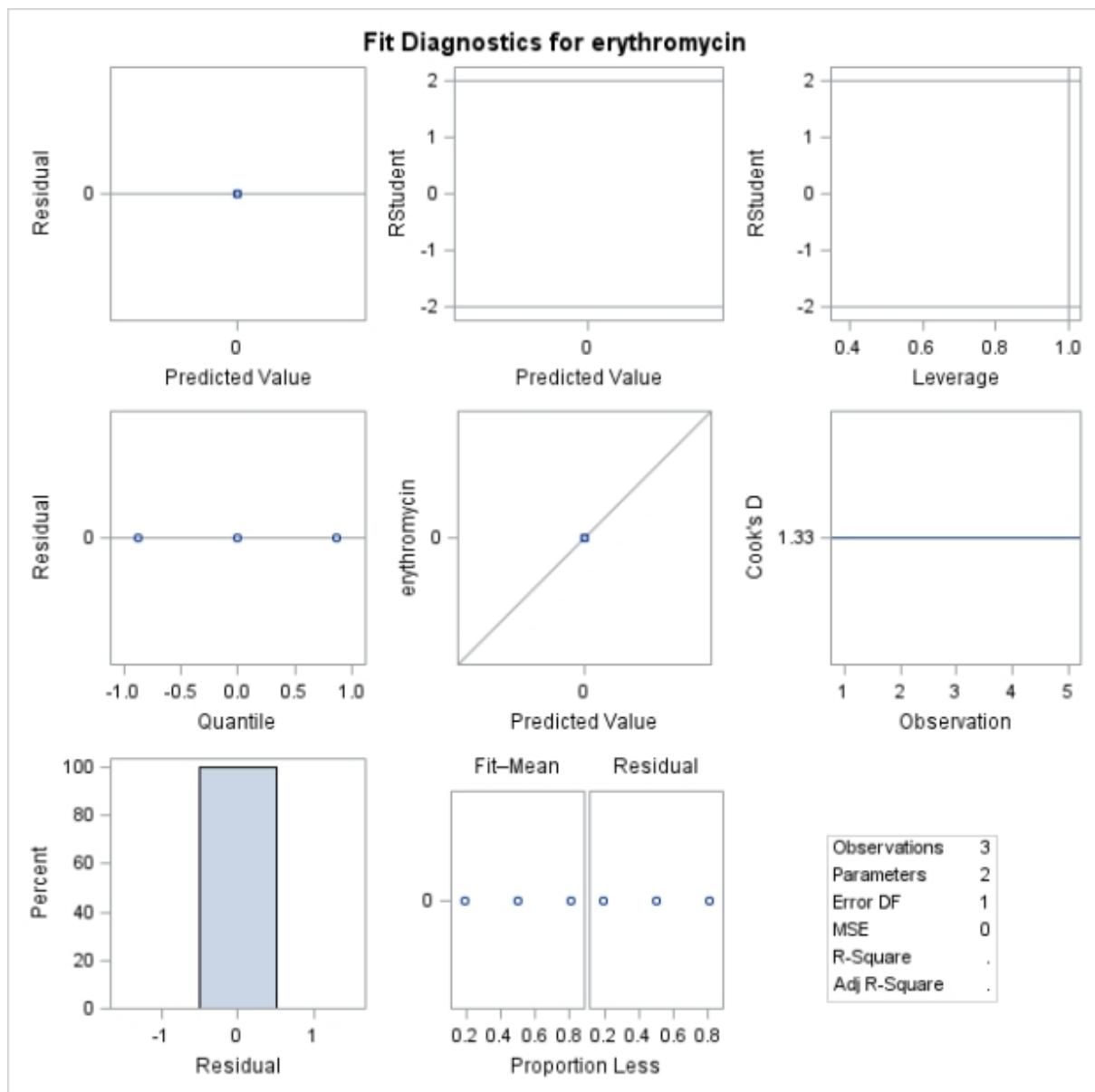
Number of Observations Read	12
Number of Observations Used	3
Number of Observations with Missing Values	9

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	1	0	0	.	.
Corrected Total	2	0	.	.	.

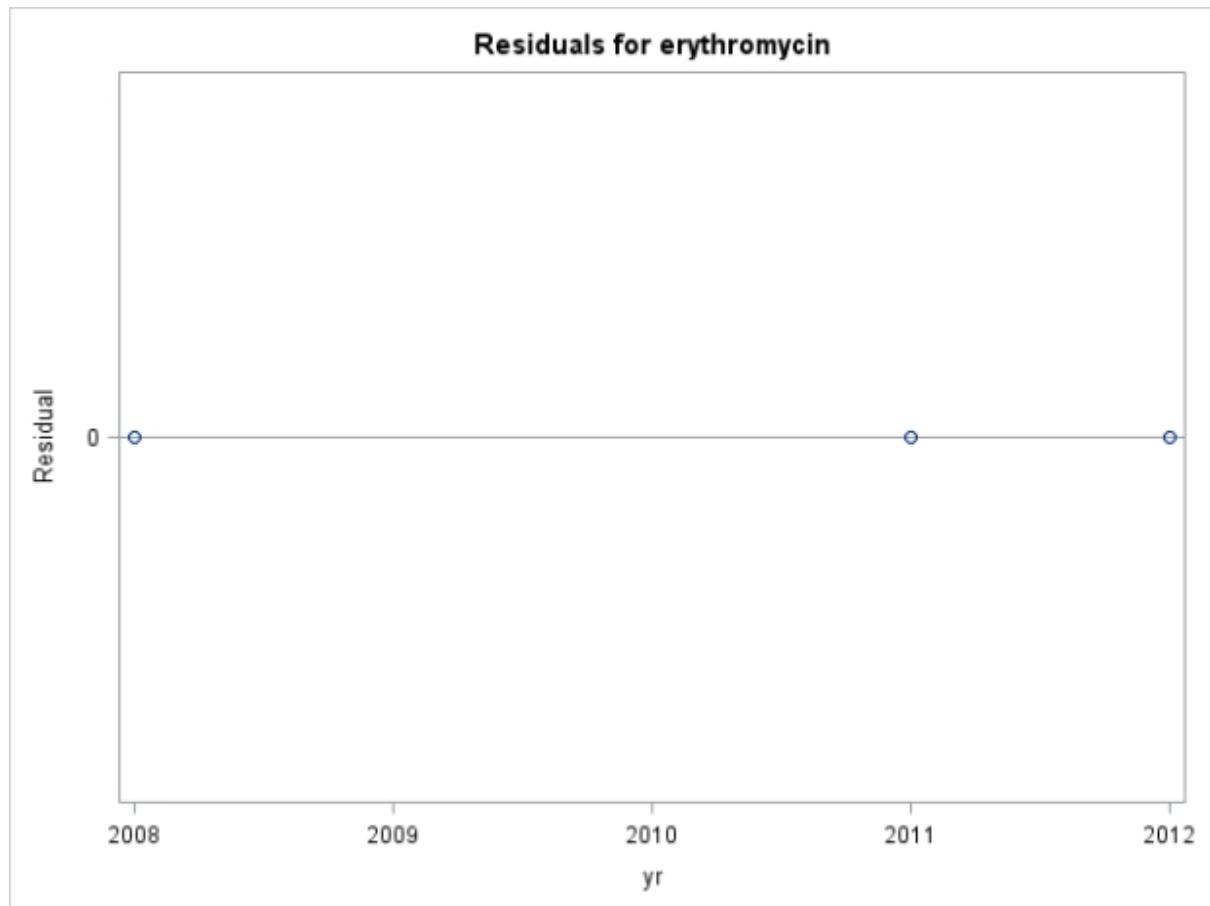
Root MSE	0	R-Square	.
Dependent Mean	0	Adj R-Sq	.
Coeff Var	.	.	.

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	0	0	.	.
yr	1	0	0	.	.

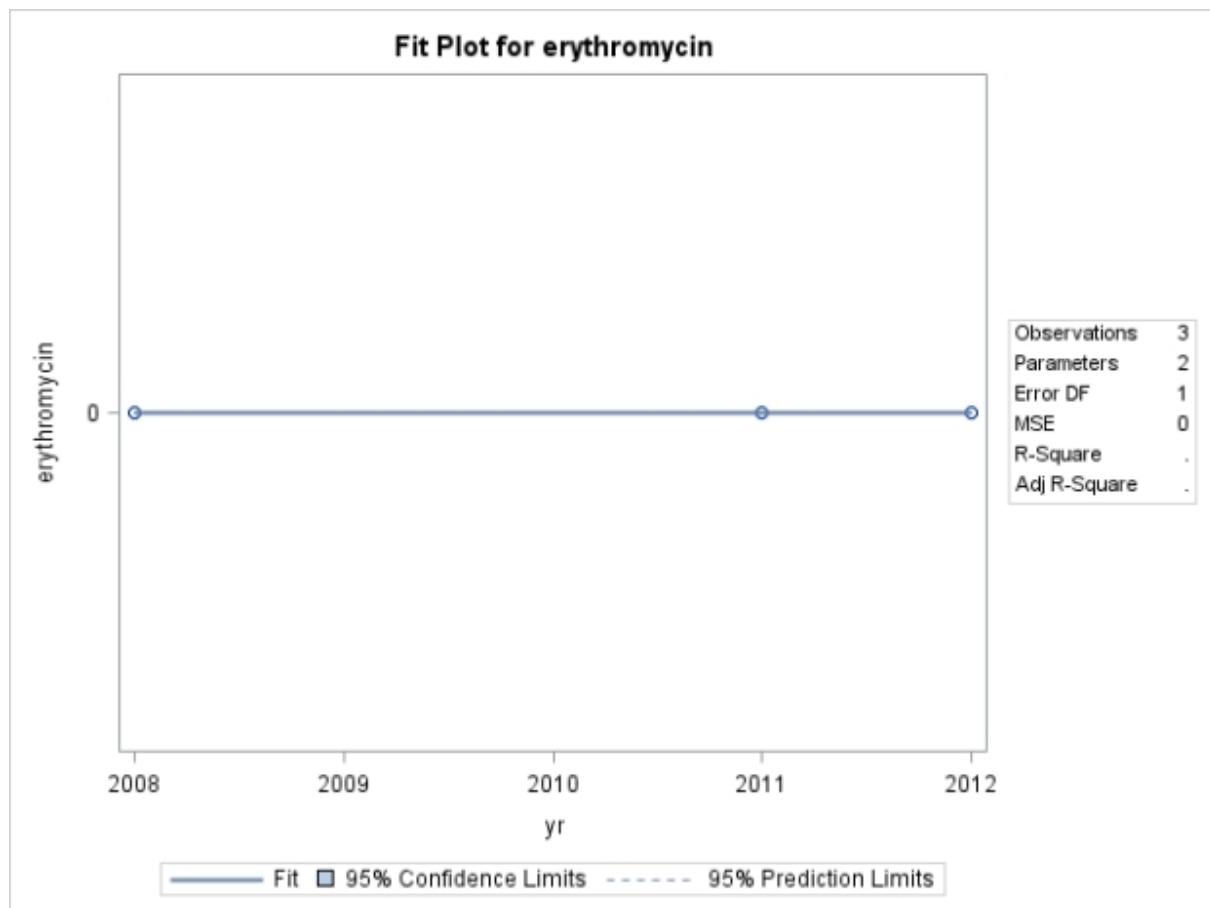
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: erythromycin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: erythromycin



The REG Procedure  
Model: MODEL1  
Dependent Variable: erythromycin



**The UNIVARIATE Procedure**  
**Variable: erythromycinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: gentamicinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**

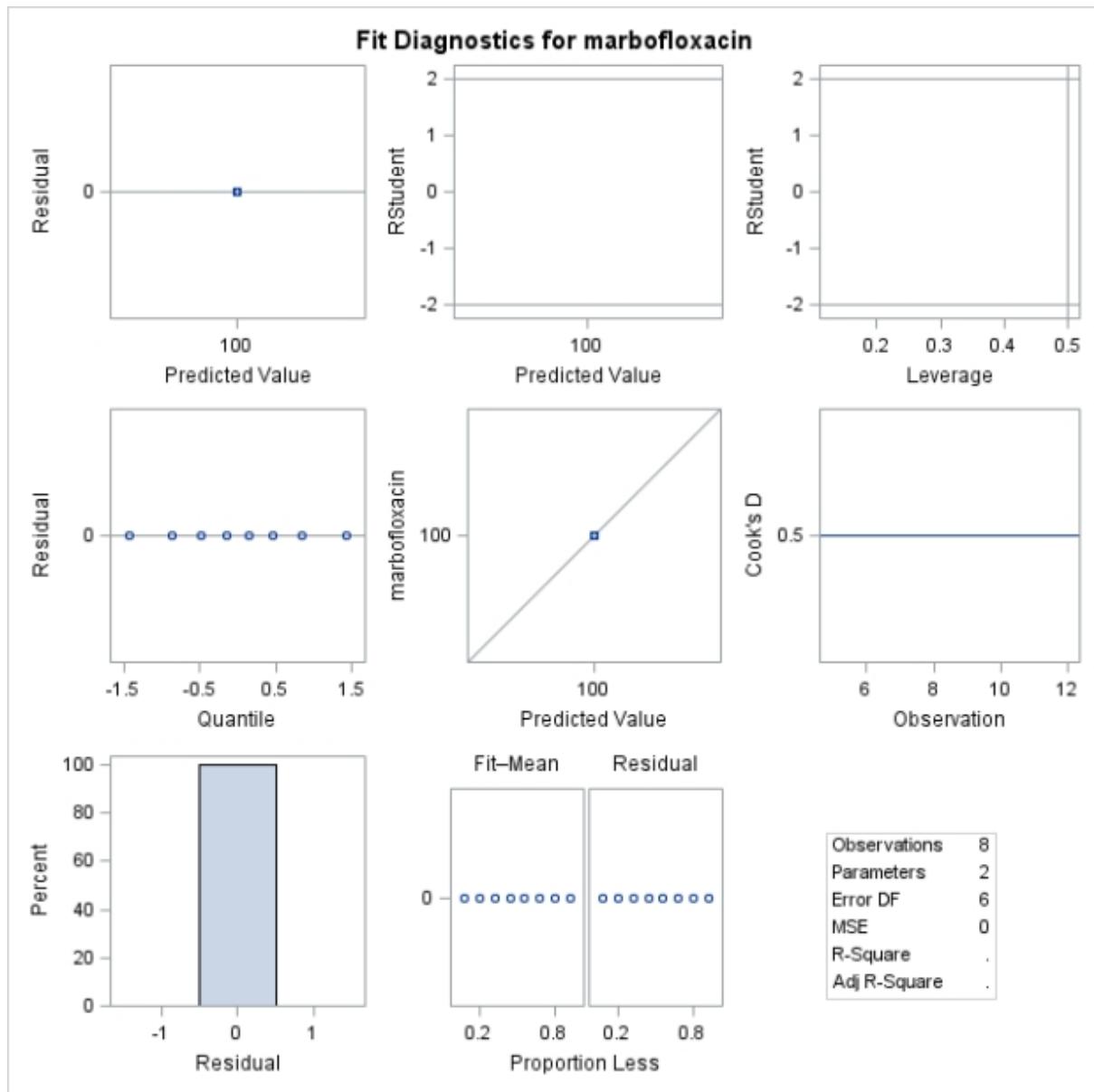
Number of Observations Read	12
Number of Observations Used	8
Number of Observations with Missing Values	4

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	6	0	0		
Corrected Total	7	0			

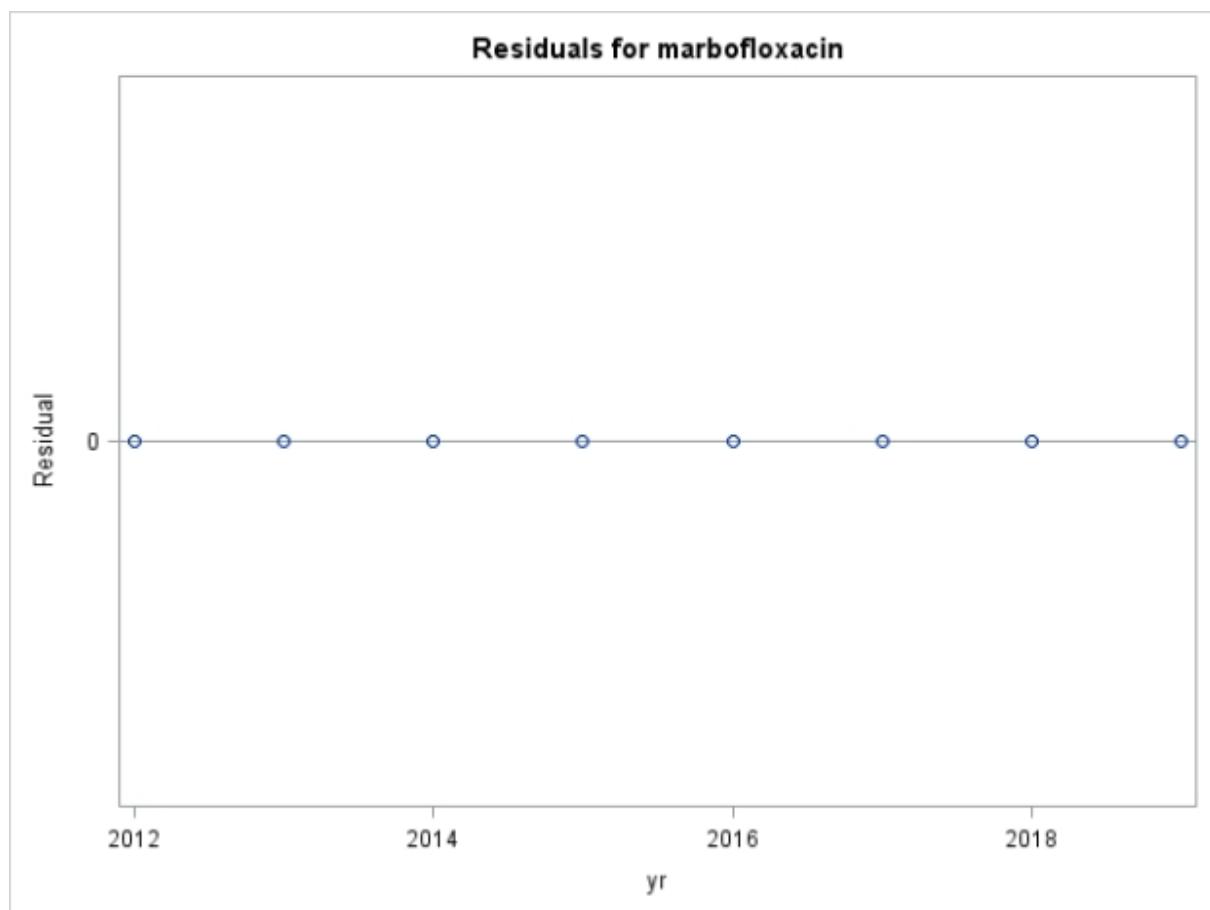
Root MSE	0	R-Square	.
Dependent Mean	100.00000	Adj R-Sq	.
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	100.00000	0	Infty	<.0001
yr	1	0	0	.	.

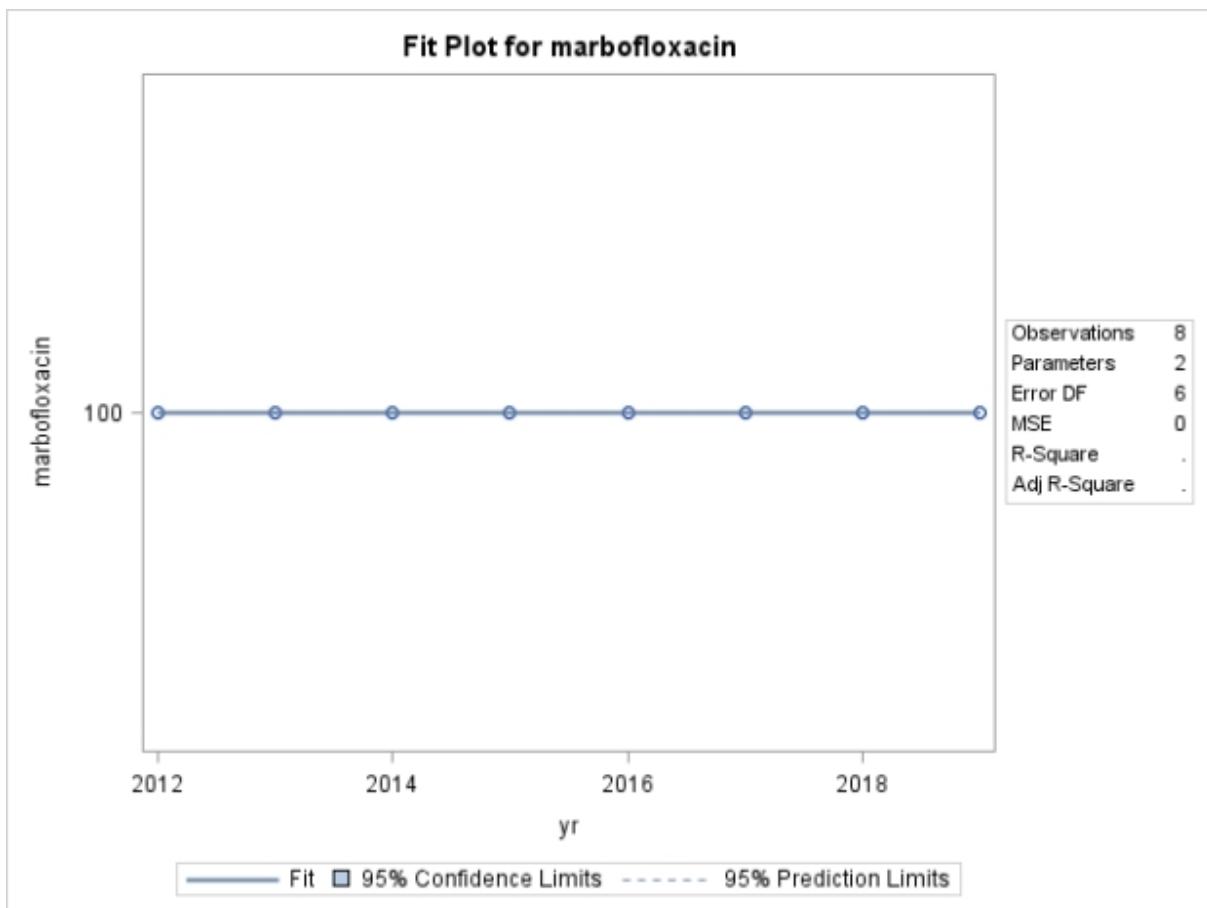
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: marbofloxacin**



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



The REG Procedure  
Model: MODEL1  
Dependent Variable: marbofloxacin



**The UNIVARIATE Procedure**  
**Variable: marbofloxacinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure****Variable: neomycinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: ofloxacinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**

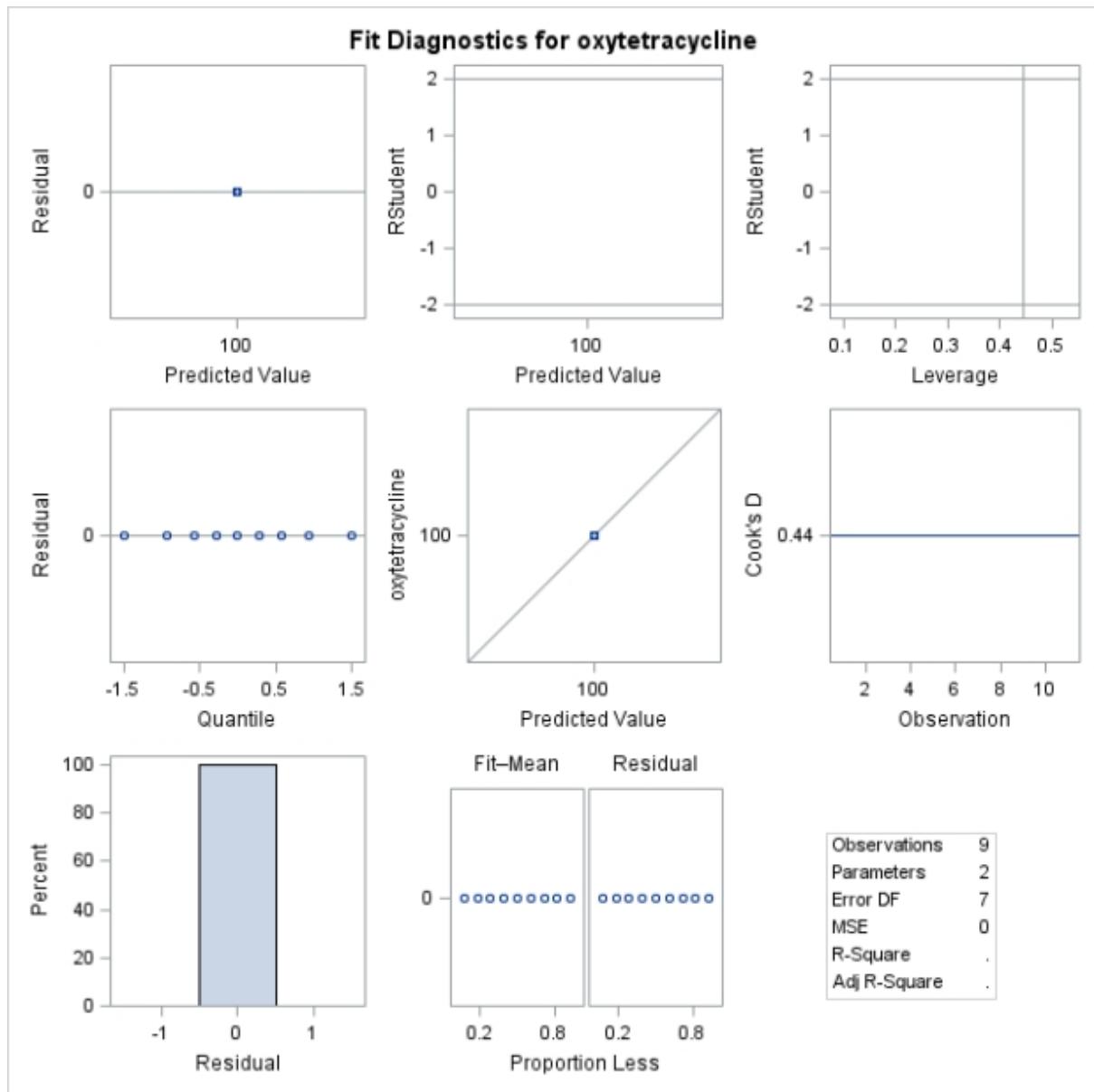
Number of Observations Read	12
Number of Observations Used	9
Number of Observations with Missing Values	3

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	0	0	.	.
Error	7	0	0		
Corrected Total	8	0			

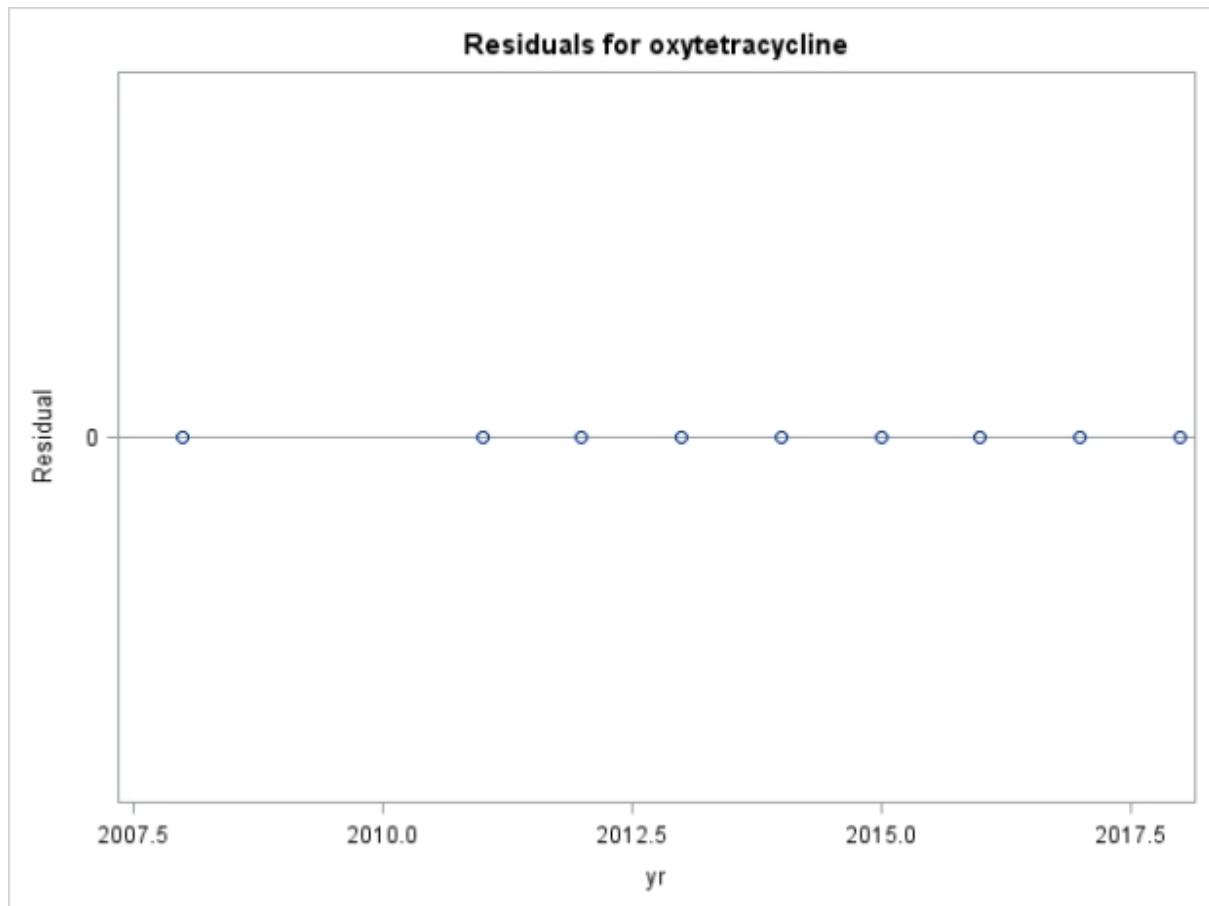
Root MSE	0	R-Square	.
Dependent Mean	100.00000	Adj R-Sq	.
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	100.00000	0	Infty	<.0001
yr	1	0	0	.	.

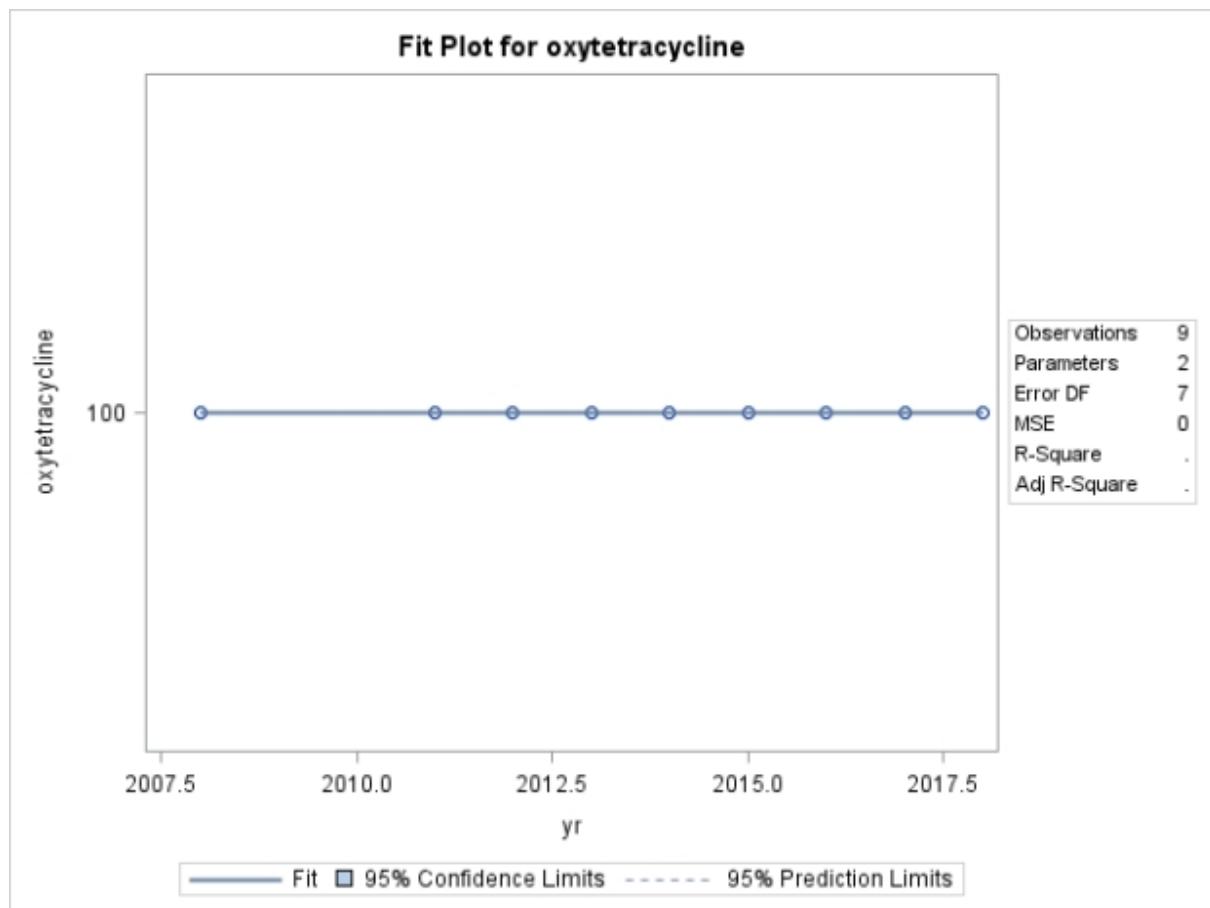
**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: oxytetracycline**



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



The REG Procedure  
Model: MODEL1  
Dependent Variable: oxytetracycline



**The UNIVARIATE Procedure**  
**Variable: oxytetracycliner (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: polymyxin\_br (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00

**The REG Procedure**

<b>Number of Observations Read</b>	12
<b>Number of Observations Used</b>	0
<b>Number of Observations with Missing Values</b>	12

**The UNIVARIATE Procedure**  
**Variable: tobramycinr (Studentized Residual without Current Obs)**

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
.	12	100.00	100.00