

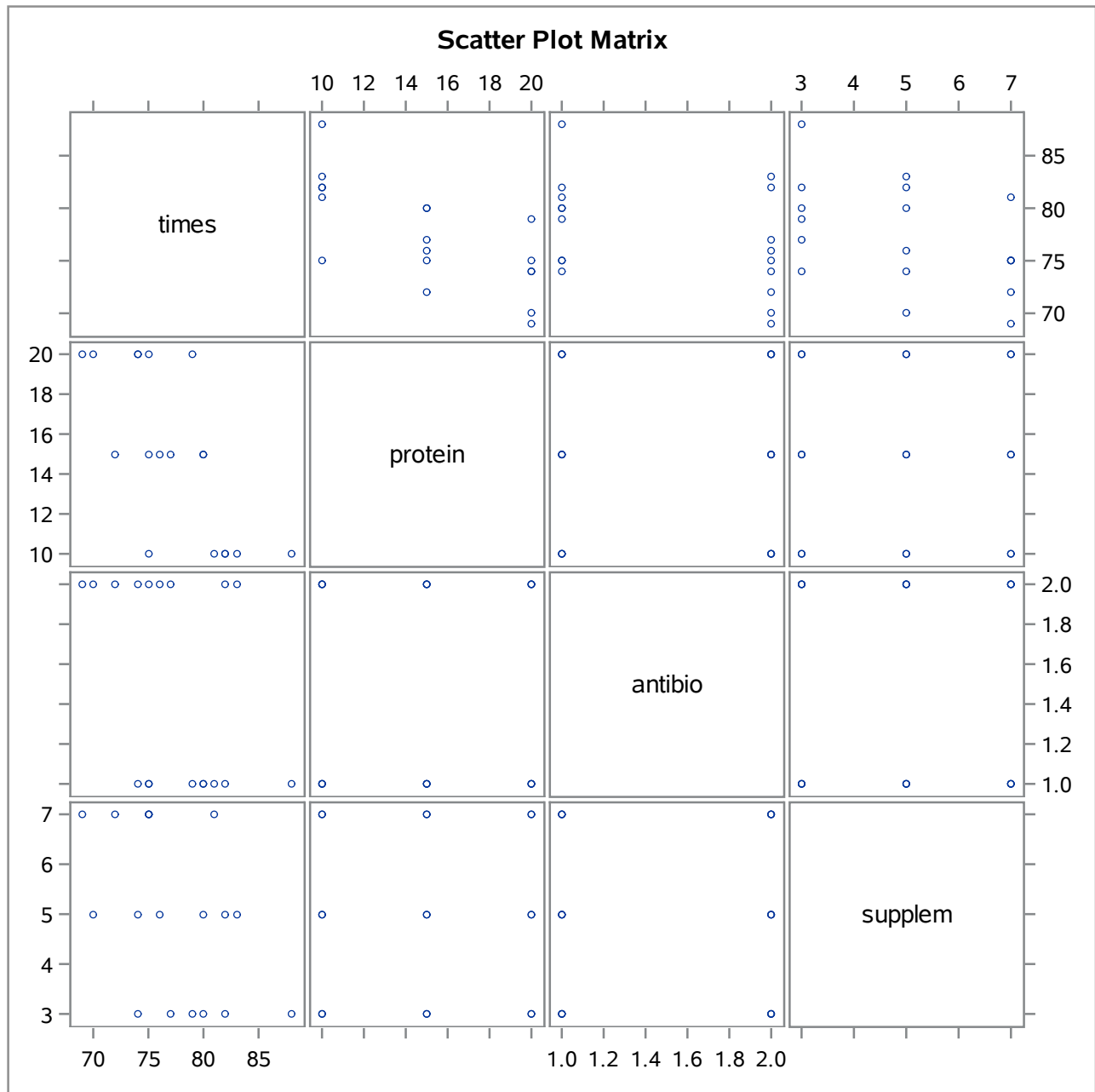
### The CORR Procedure

**4 Variables:** times protein antibio supplem

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
times	18	77.33333	4.92294	1392	69.00000	88.00000
protein	18	15.00000	4.20084	270.00000	10.00000	20.00000
antibio	18	1.50000	0.51450	27.00000	1.00000	2.00000
supplem	18	5.00000	1.68034	90.00000	3.00000	7.00000

Pearson Correlation Coefficients, N = 18 Prob >  r  under H0: Rho=0				
	times	protein	antibio	supplem
times	1.00000	-0.71110 0.0009	-0.41804 0.0843	-0.46933 0.0494
protein	-0.71110 0.0009	1.00000	0.00000 1.0000	0.00000 1.0000
antibio	-0.41804 0.0843	0.00000 1.0000	1.00000	0.00000 1.0000
supplem	-0.46933 0.0494	0.00000 1.0000	0.00000 1.0000	1.00000

## The CORR Procedure



**The REG Procedure**  
**Model: model0**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

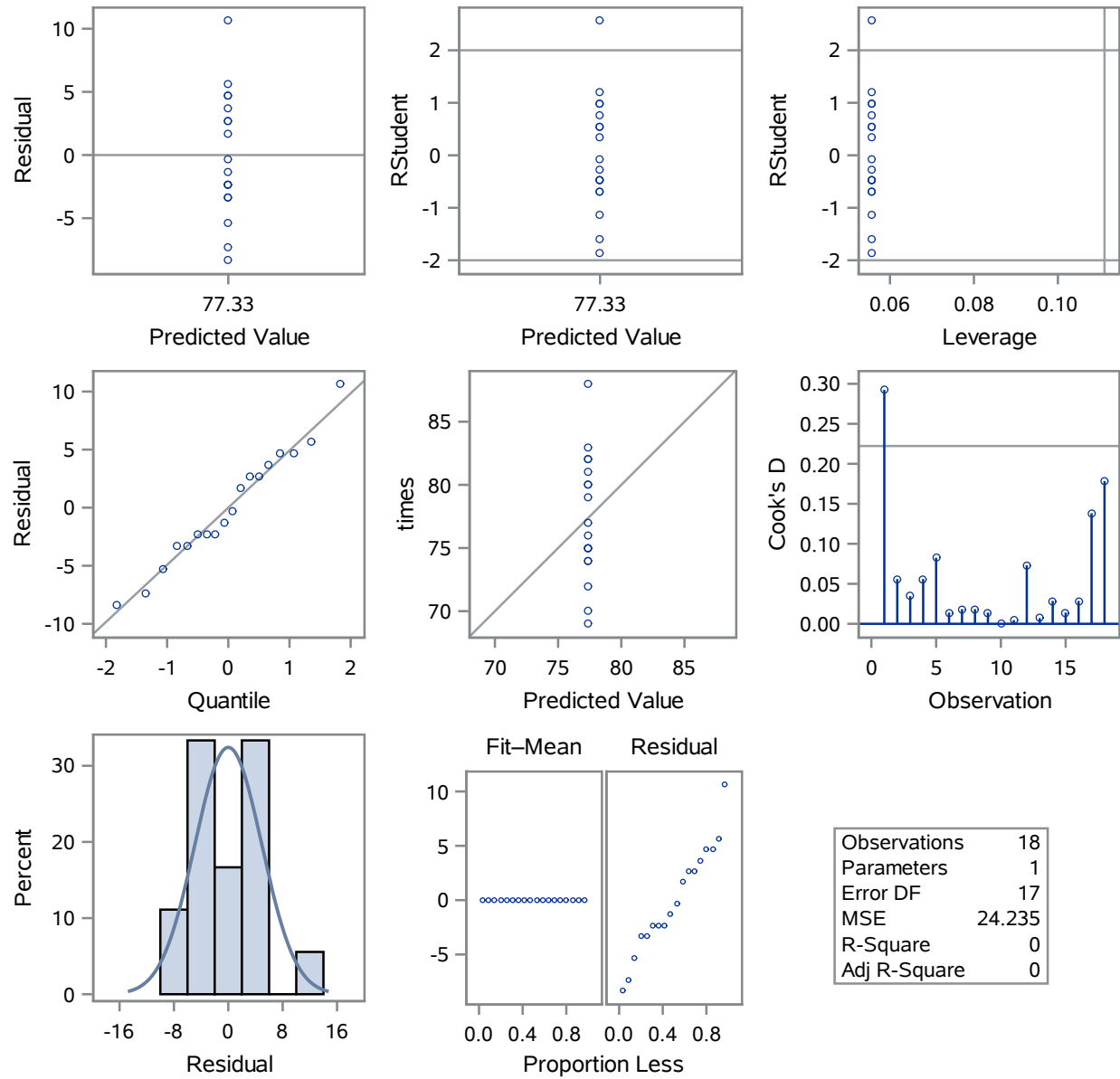
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	0	0	.	.	.
Error	17	412.00000	24.23529		
Corrected Total	17	412.00000			

Root MSE	4.92294	R-Square	0.0000
Dependent Mean	77.33333	Adj R-Sq	0.0000
Coeff Var	6.36586		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	77.33333	1.16035	66.65	<.0001

**The REG Procedure**  
**Model: model0**  
**Dependent Variable: times**

**Fit Diagnostics for times**



**The REG Procedure**  
**Model: model0**  
**Dependent Variable: times**

**Residual by Regressors for times**



**The REG Procedure**  
**Model: model1**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

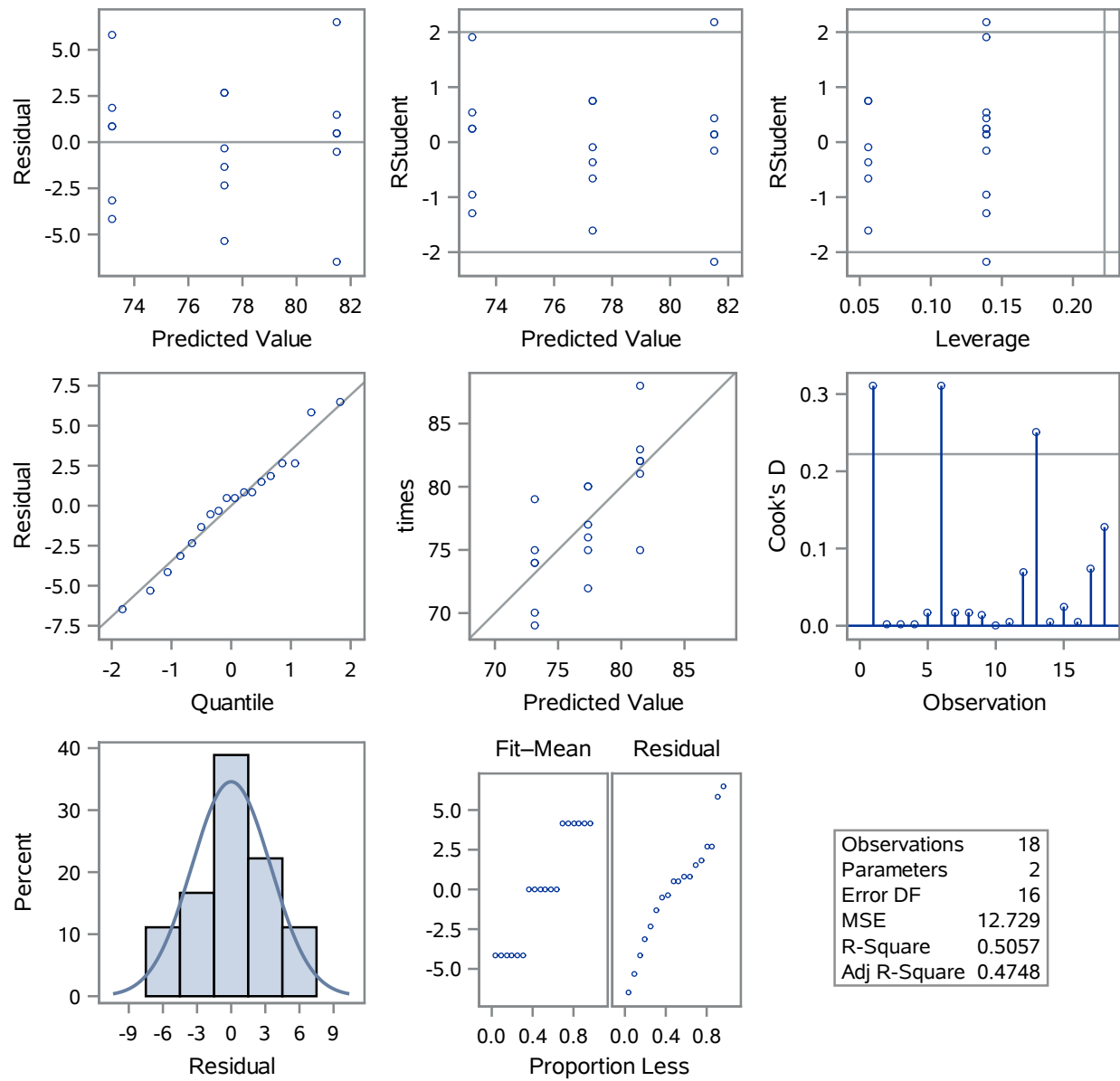
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	208.33333	208.33333	16.37	0.0009
Error	16	203.66667	12.72917		
Corrected Total	17	412.00000			

Root MSE	3.56780	R-Square	0.5057
Dependent Mean	77.33333	Adj R-Sq	0.4748
Coeff Var	4.61353		

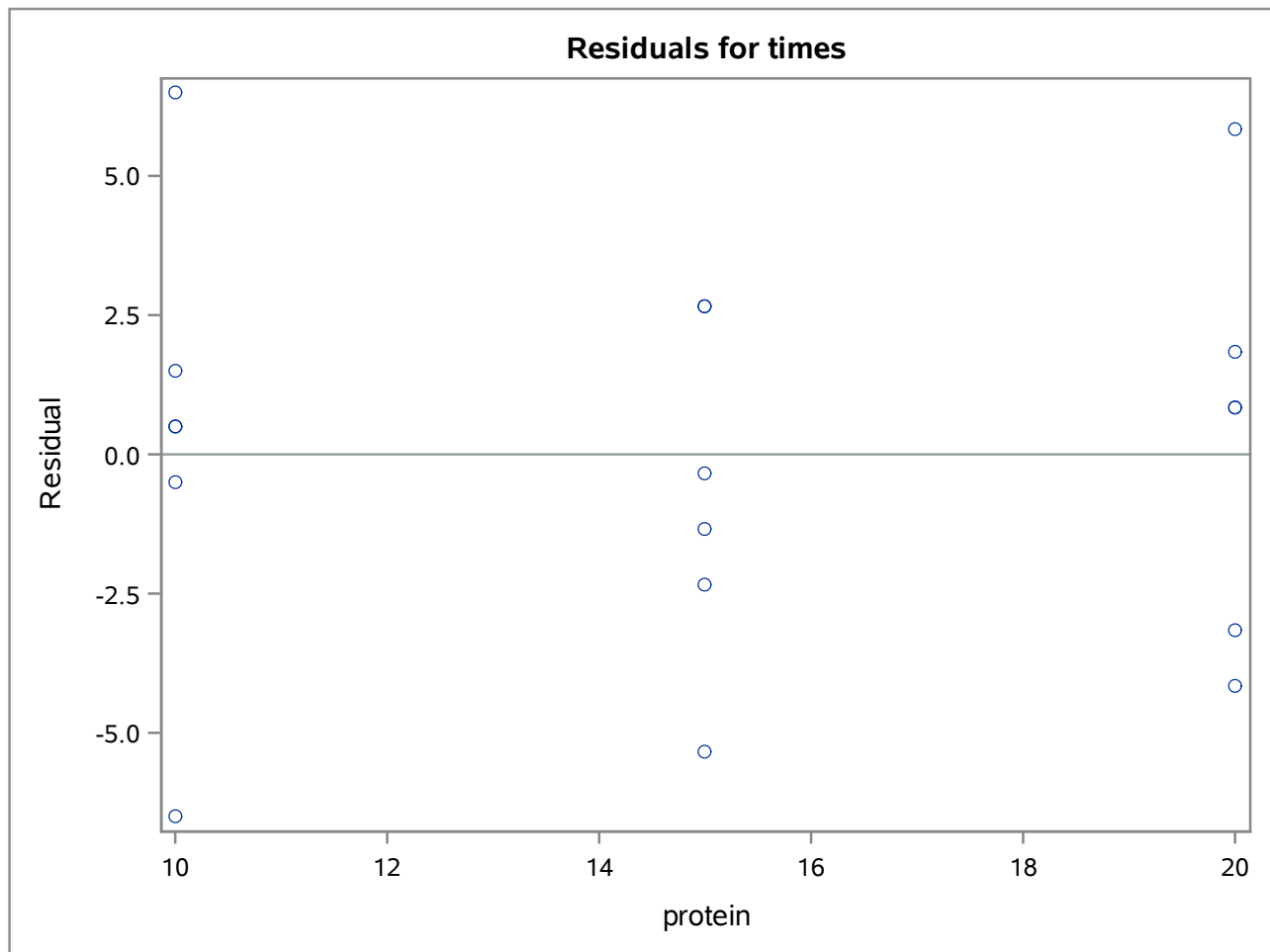
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	89.83333	3.20219	28.05	<.0001
protein	1	-0.83333	0.20599	-4.05	0.0009

**The REG Procedure**  
**Model: model1**  
**Dependent Variable: times**

**Fit Diagnostics for times**

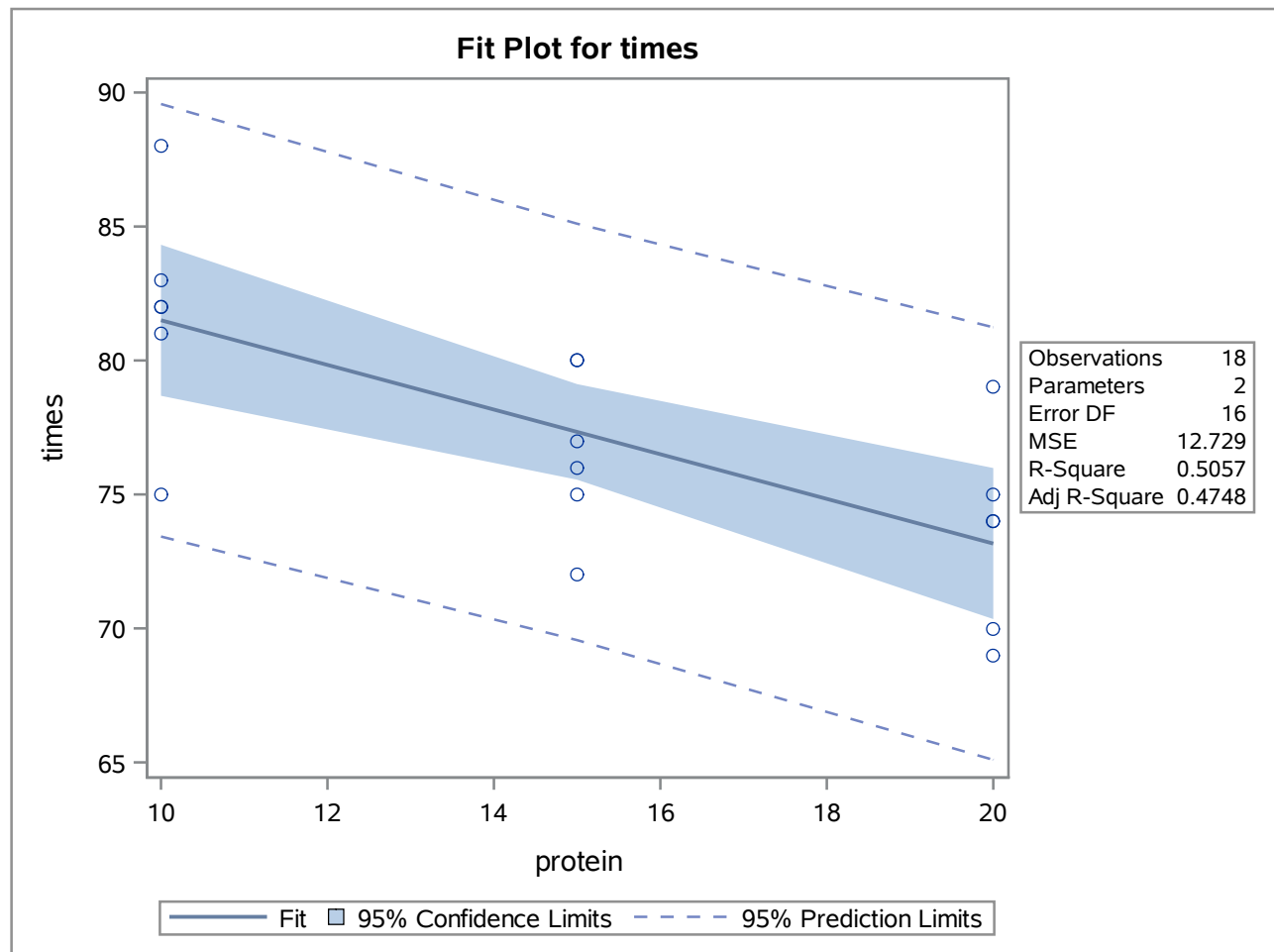


**The REG Procedure**  
**Model: model1**  
**Dependent Variable: times**





The REG Procedure  
Model: model1  
Dependent Variable: times



**The REG Procedure**  
**Model: model2**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

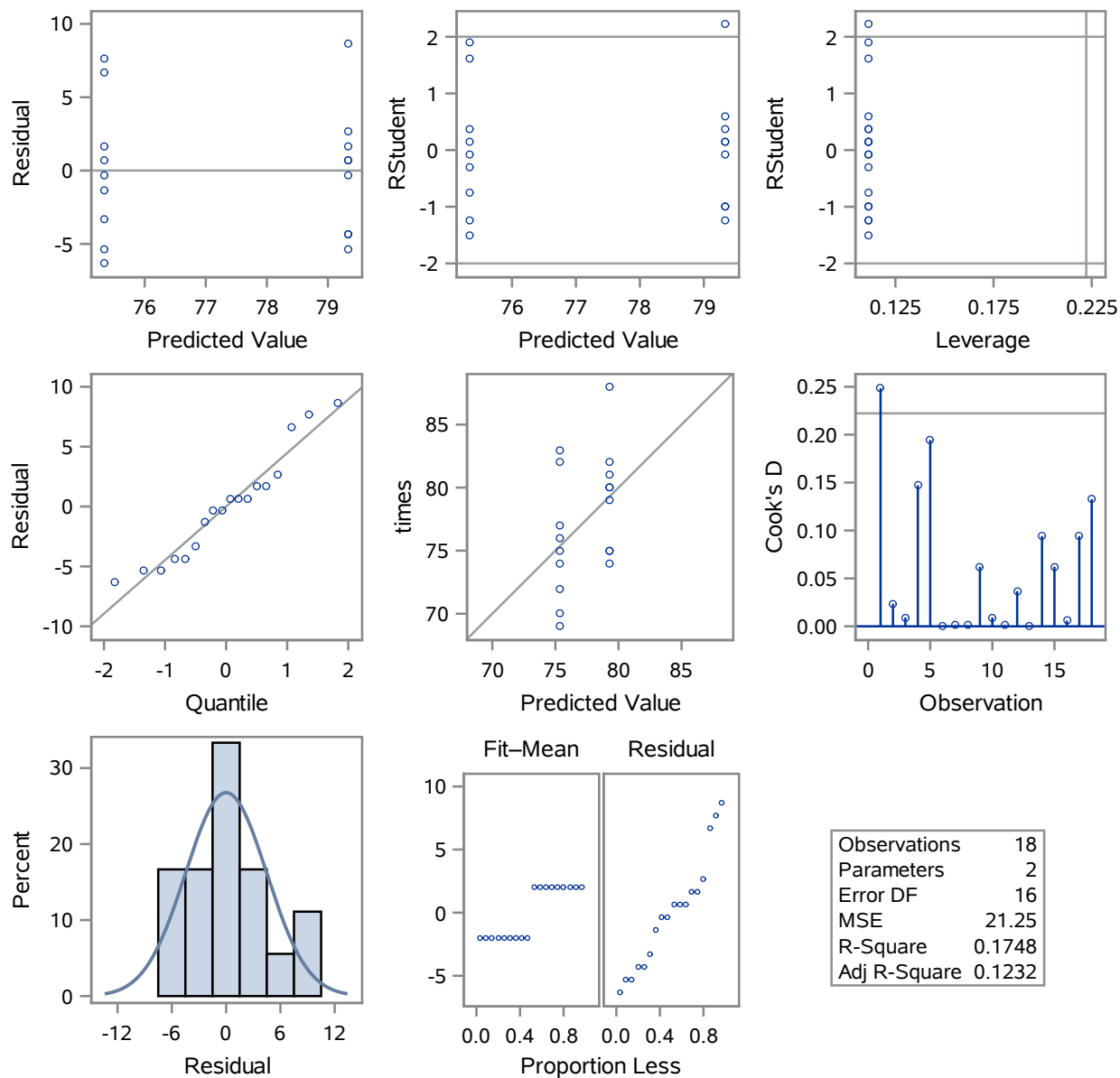
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	72.00000	72.00000	3.39	0.0843
Error	16	340.00000	21.25000		
Corrected Total	17	412.00000			

Root MSE	4.60977	R-Square	0.1748
Dependent Mean	77.33333	Adj R-Sq	0.1232
Coeff Var	5.96091		

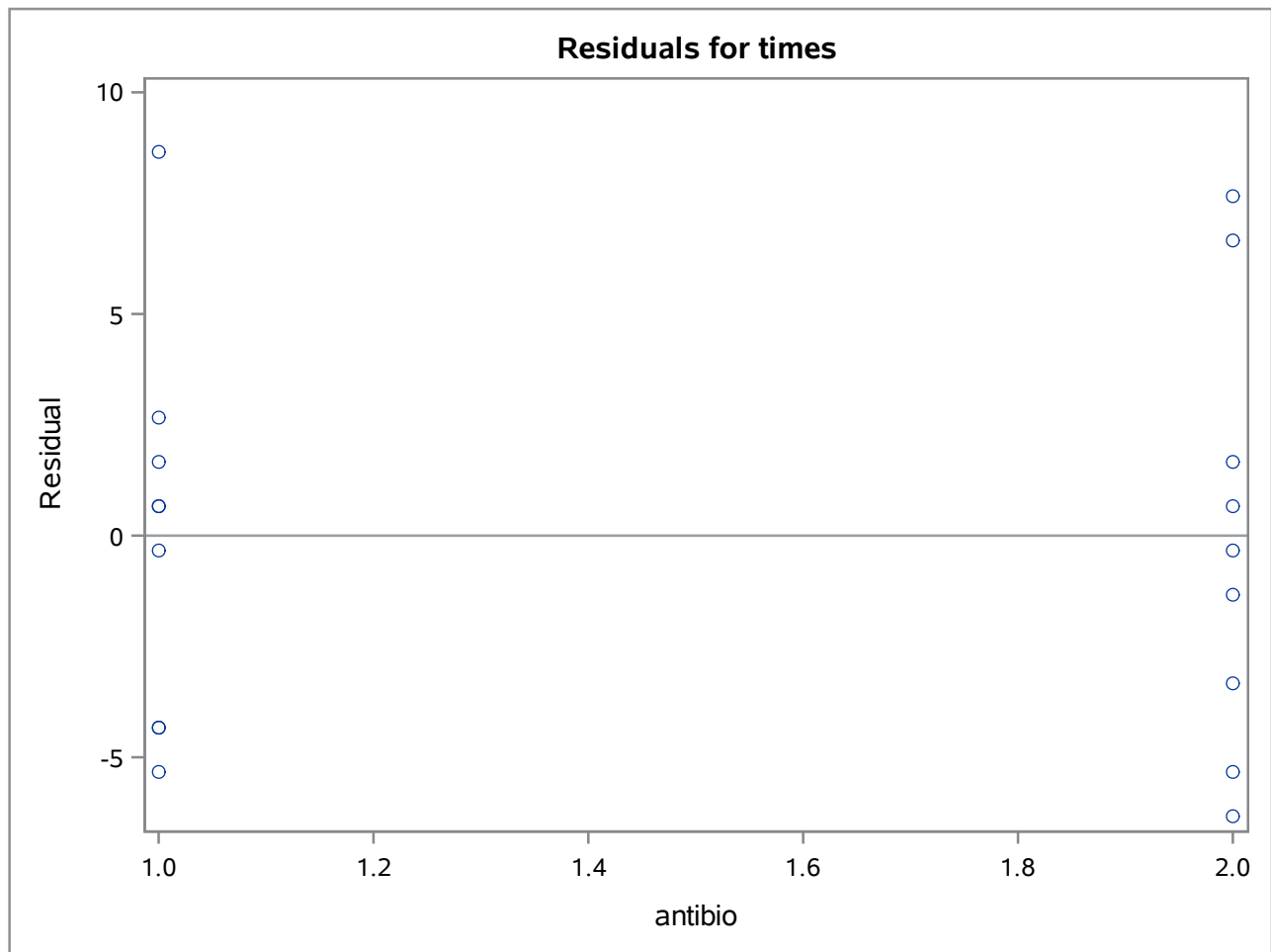
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	83.33333	3.43592	24.25	<.0001
antibio	1	-4.00000	2.17307	-1.84	0.0843

**The REG Procedure**  
**Model: model2**  
**Dependent Variable: times**

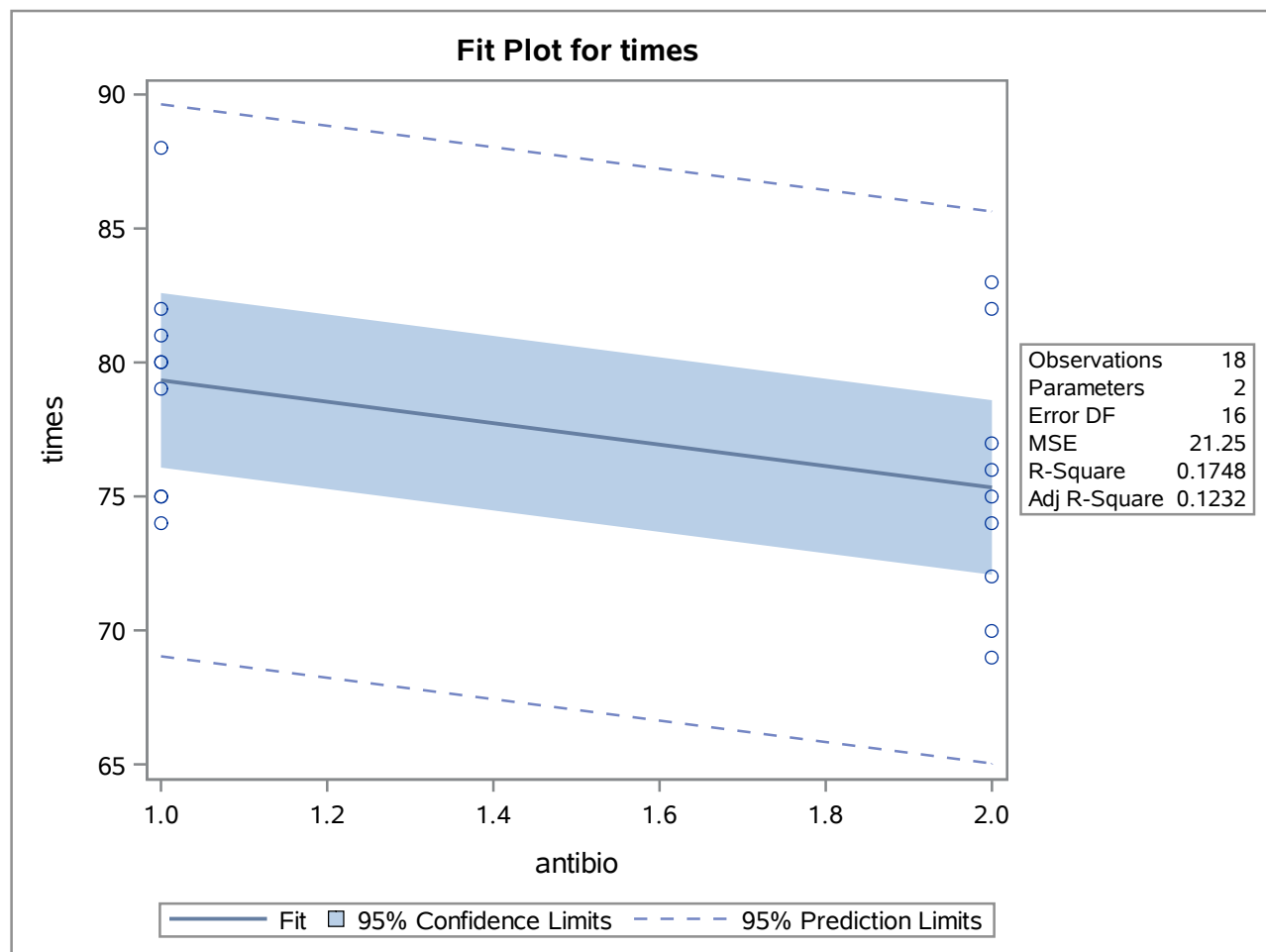
**Fit Diagnostics for times**



The REG Procedure  
Model: model2  
Dependent Variable: times



The REG Procedure  
Model: model2  
Dependent Variable: times



**The REG Procedure**  
**Model: model3**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

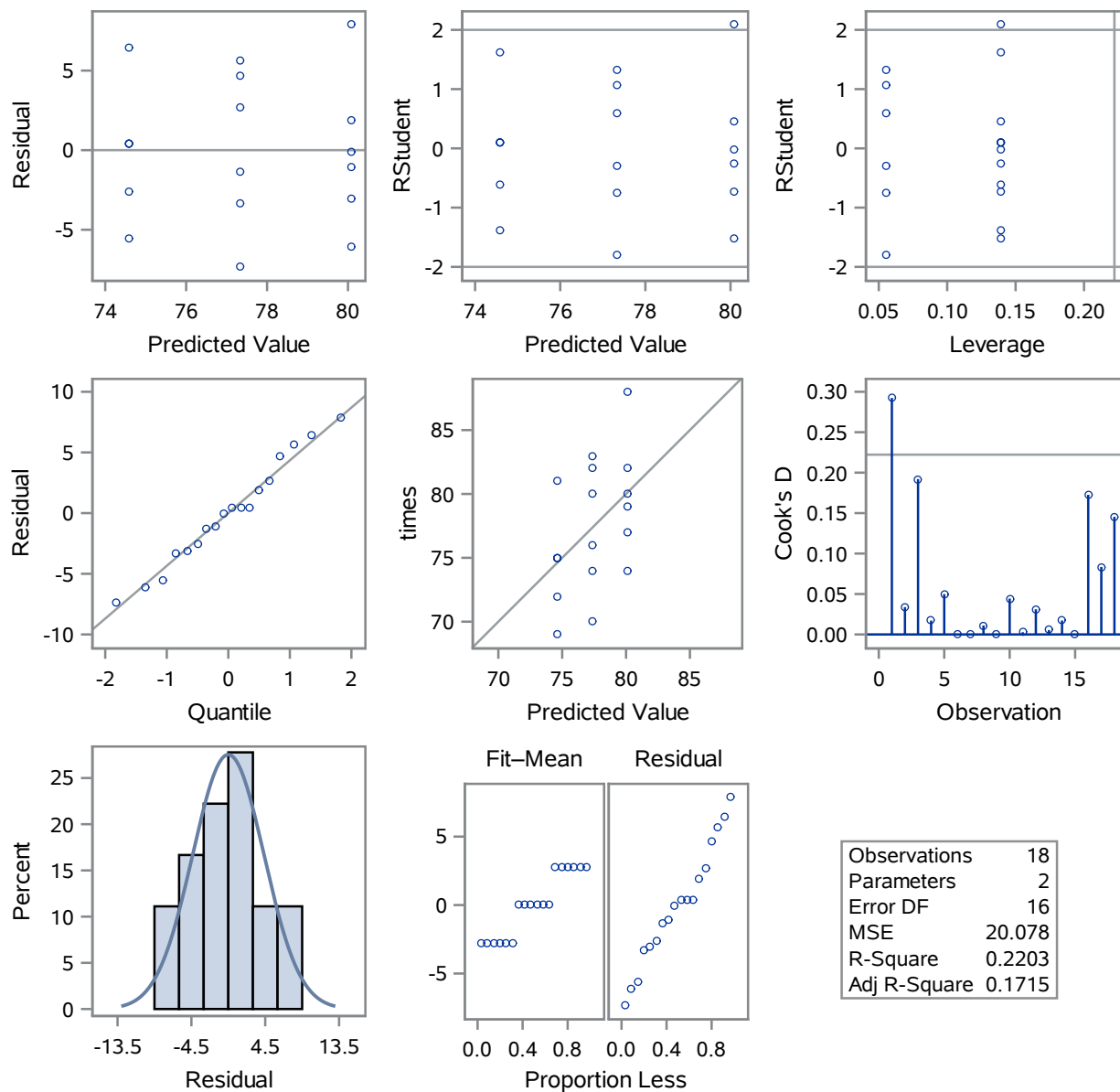
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	90.75000	90.75000	4.52	0.0494
Error	16	321.25000	20.07813		
Corrected Total	17	412.00000			

Root MSE	4.48086	R-Square	0.2203
Dependent Mean	77.33333	Adj R-Sq	0.1715
Coeff Var	5.79422		

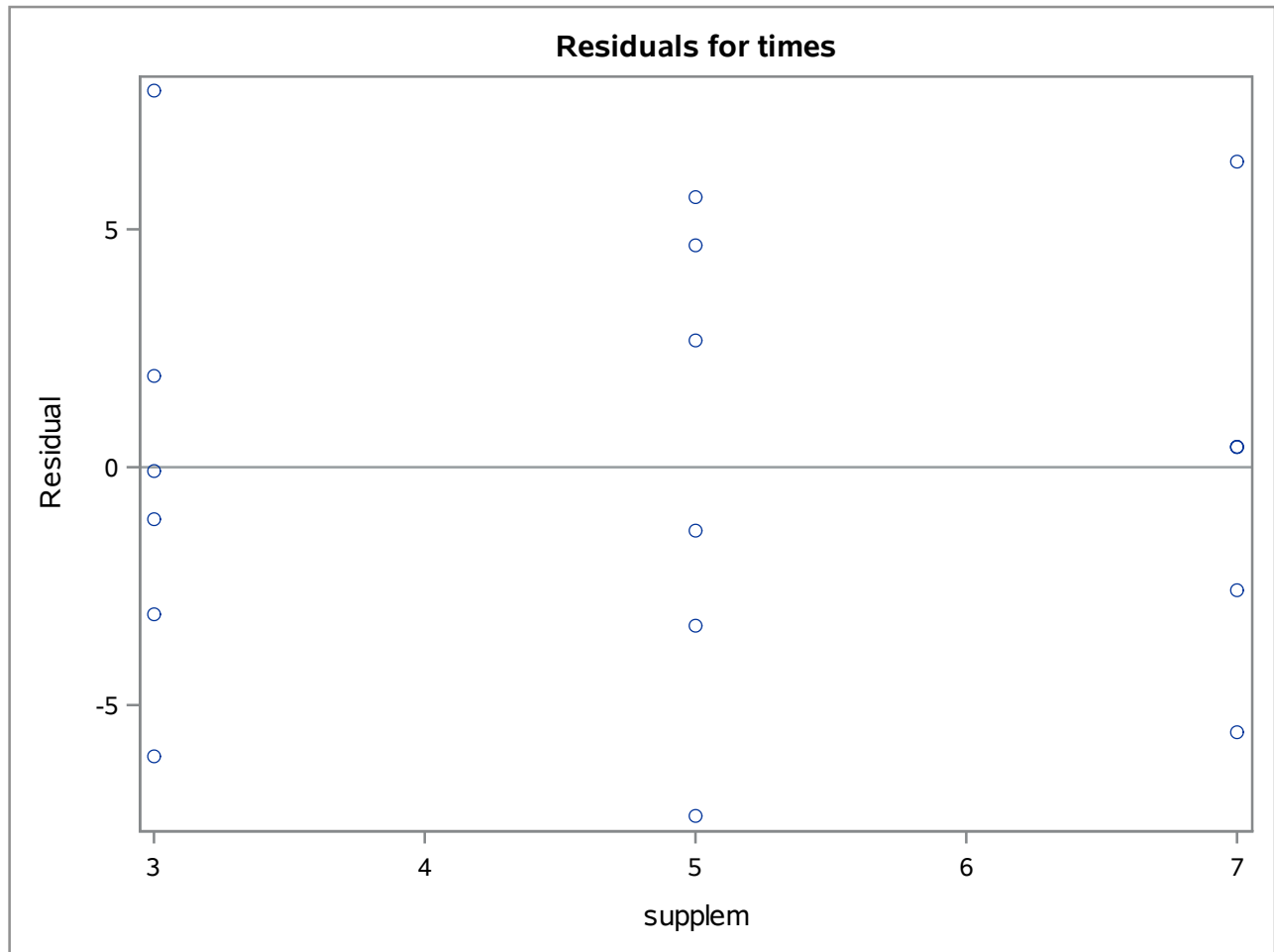
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	84.20833	3.40188	24.75	<.0001
supplem	1	-1.37500	0.64676	-2.13	0.0494

**The REG Procedure**  
**Model: model3**  
**Dependent Variable: times**

**Fit Diagnostics for times**

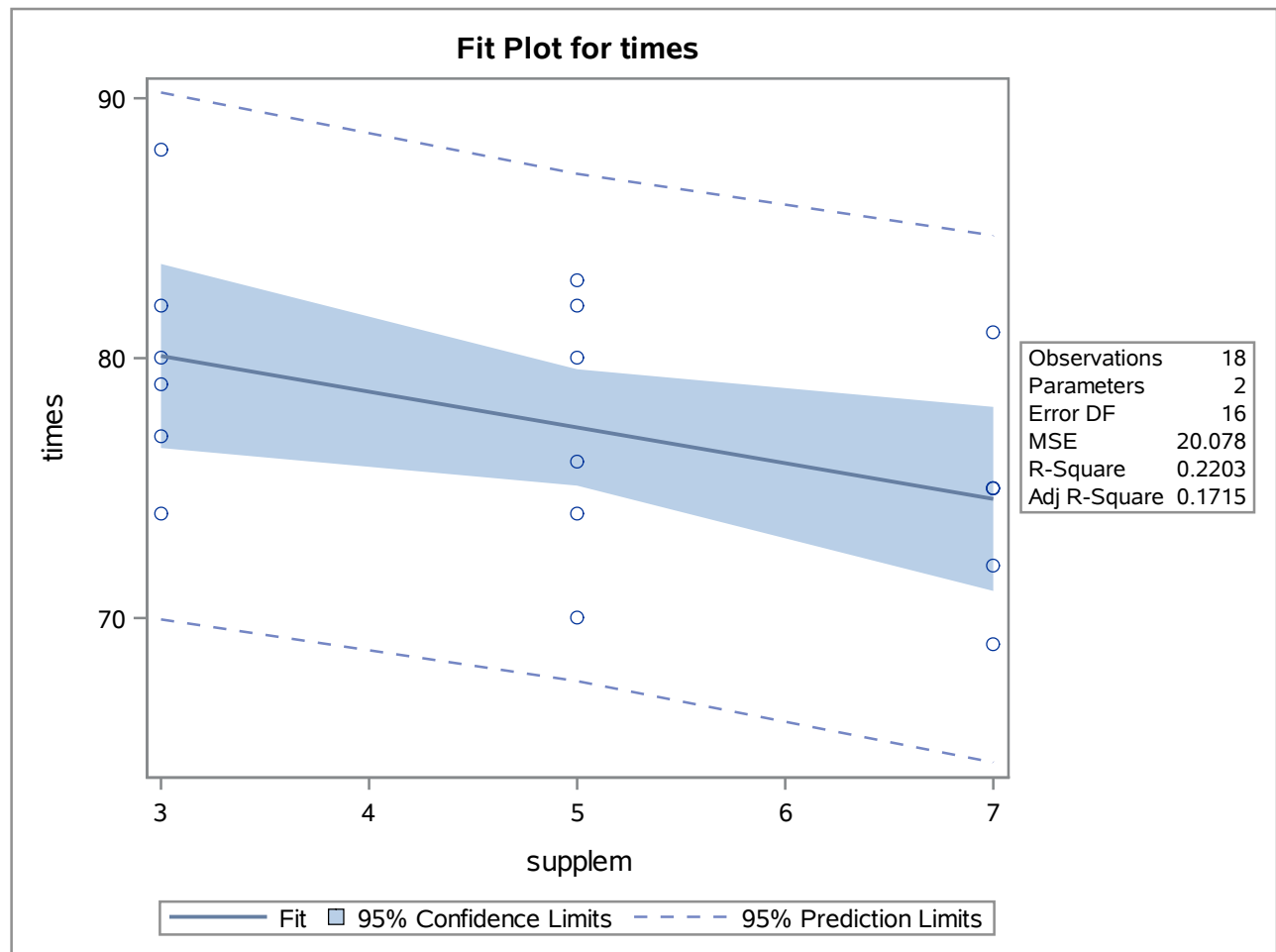


The REG Procedure  
Model: model3  
Dependent Variable: times





The REG Procedure  
Model: model3  
Dependent Variable: times



**The REG Procedure**  
**Model: model4**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

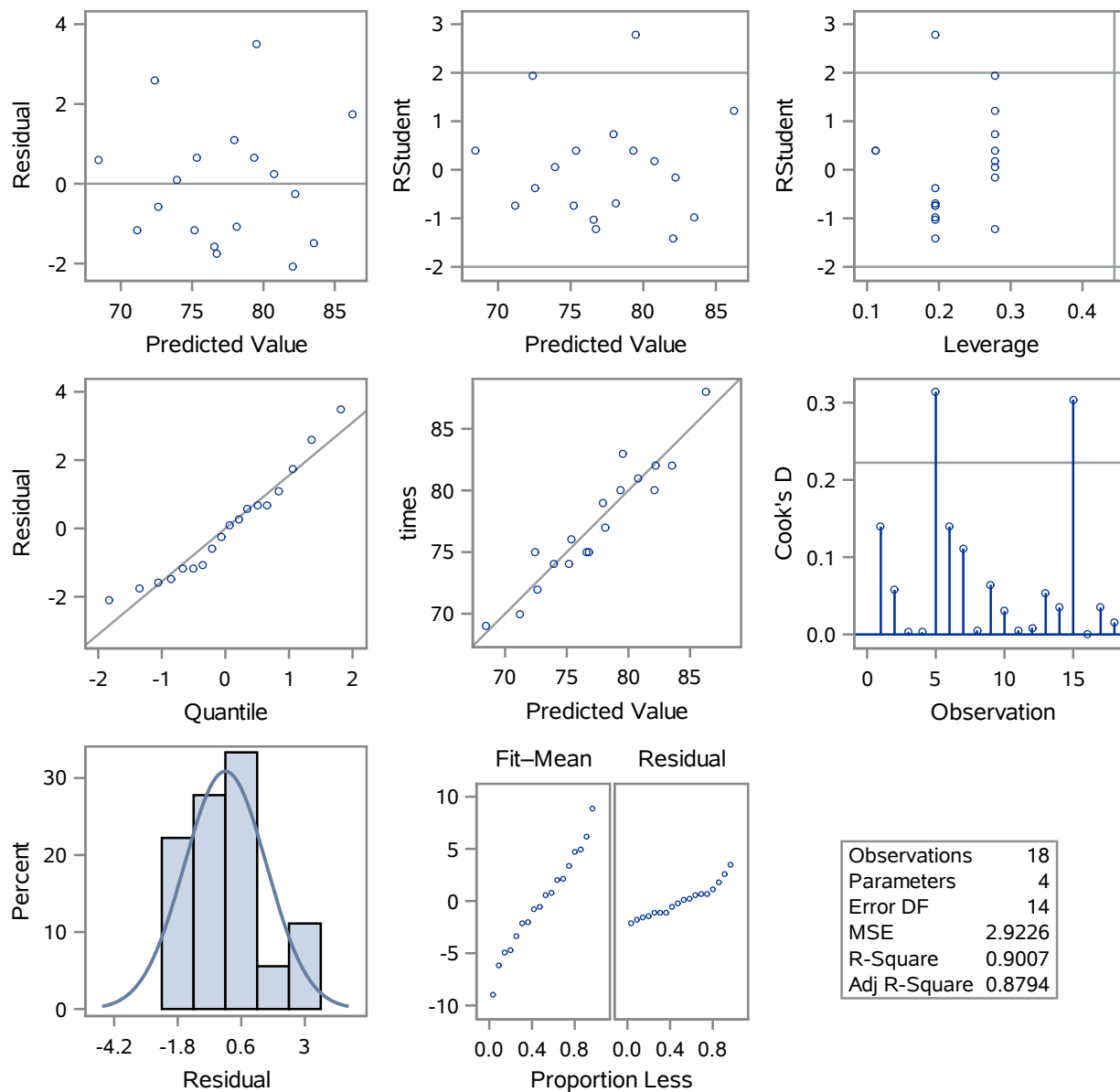
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	371.08333	123.69444	42.32	<.0001
Error	14	40.91667	2.92262		
Corrected Total	17	412.00000			

Root MSE	1.70957	R-Square	0.9007
Dependent Mean	77.33333	Adj R-Sq	0.8794
Coeff Var	2.21065		

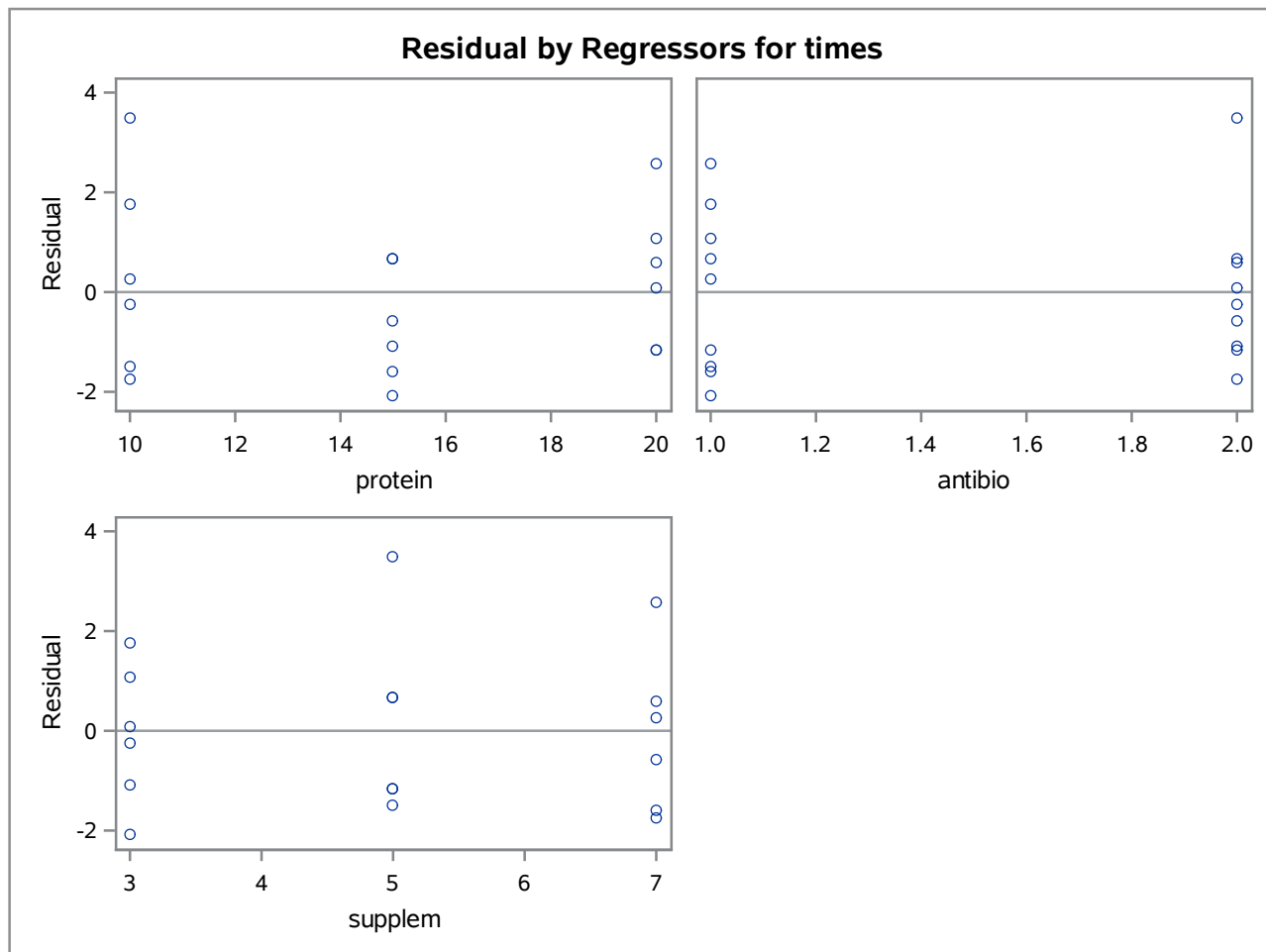
Parameter Estimates							
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t	95% Confidence Limits	
Intercept	1	102.70833	2.31038	44.46	<.0001	97.75307	107.66360
protein	1	-0.83333	0.09870	-8.44	<.0001	-1.04503	-0.62164
antibio	1	-4.00000	0.80590	-4.96	0.0002	-5.72848	-2.27152
supplem	1	-1.37500	0.24675	-5.57	<.0001	-1.90424	-0.84576

**The REG Procedure**  
**Model: model4**  
**Dependent Variable: times**

**Fit Diagnostics for times**



The REG Procedure  
Model: model4  
Dependent Variable: times



**The REG Procedure**  
**Model: model4**

Test test1 Results for Dependent Variable times				
Source	DF	Mean Square	F Value	Pr > F
Numerator	1	4.50000	1.54	0.2351
Denominator	14	2.92262		

**The REG Procedure**  
**Model: model4**

Test test2 Results for Dependent Variable times				
Source	DF	Mean Square	F Value	Pr > F
Numerator	2	5.62500	1.92	0.1826
Denominator	14	2.92262		

**The REG Procedure**  
**Model: model4**

Test test3 Results for Dependent Variable times				
Source	DF	Mean Square	F Value	Pr > F
Numerator	2	81.37500	27.84	<.0001
Denominator	14	2.92262		

**The REG Procedure**  
**Model: modelred**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	208.33333	208.33333	16.37	0.0009
Error	16	203.66667	12.72917		
Corrected Total	17	412.00000			

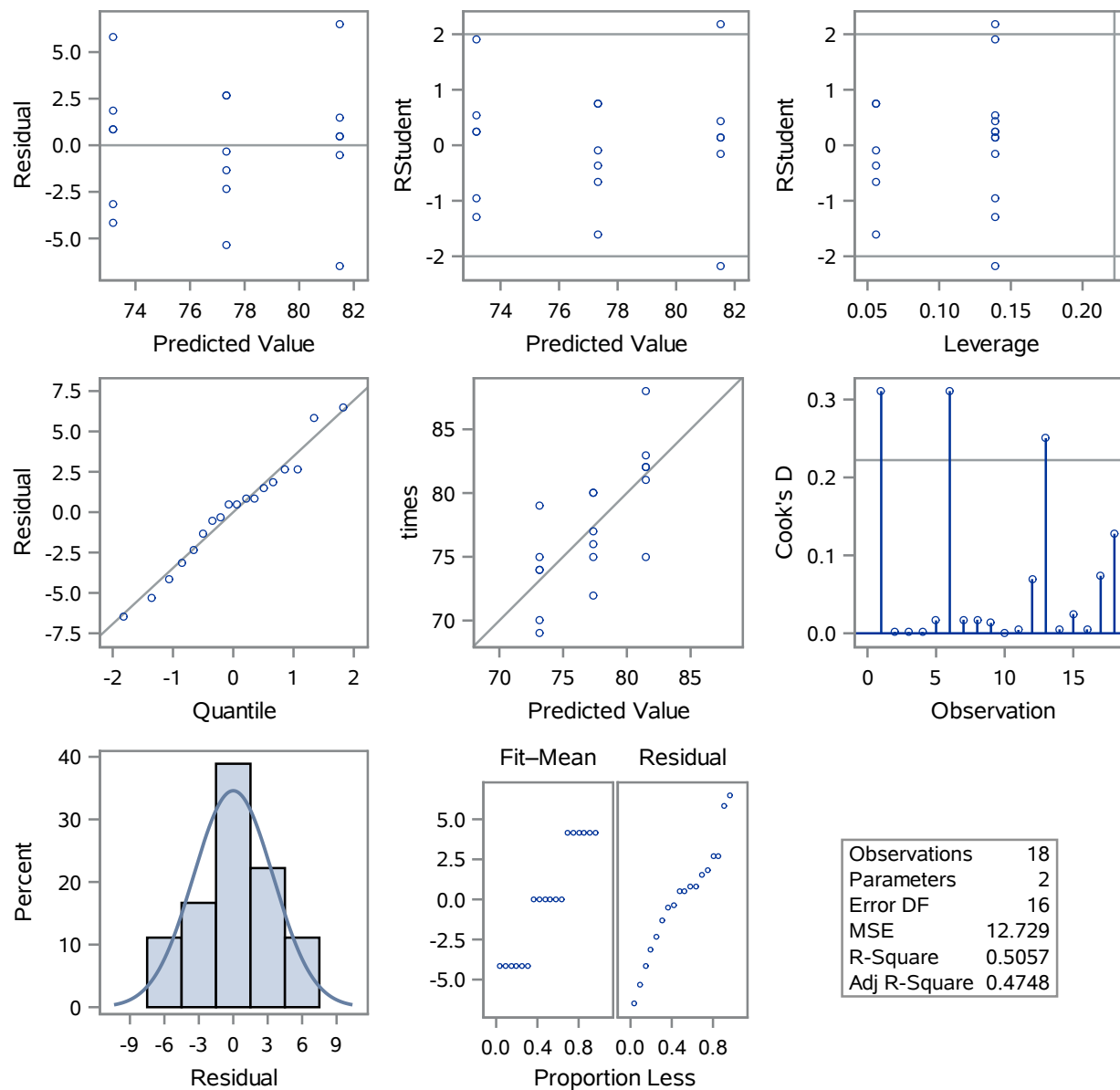
Root MSE	3.56780	R-Square	0.5057
Dependent Mean	77.33333	Adj R-Sq	0.4748
Coeff Var	4.61353		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	89.83333	3.20219	28.05	<.0001
protein	1	-0.83333	0.20599	-4.05	0.0009

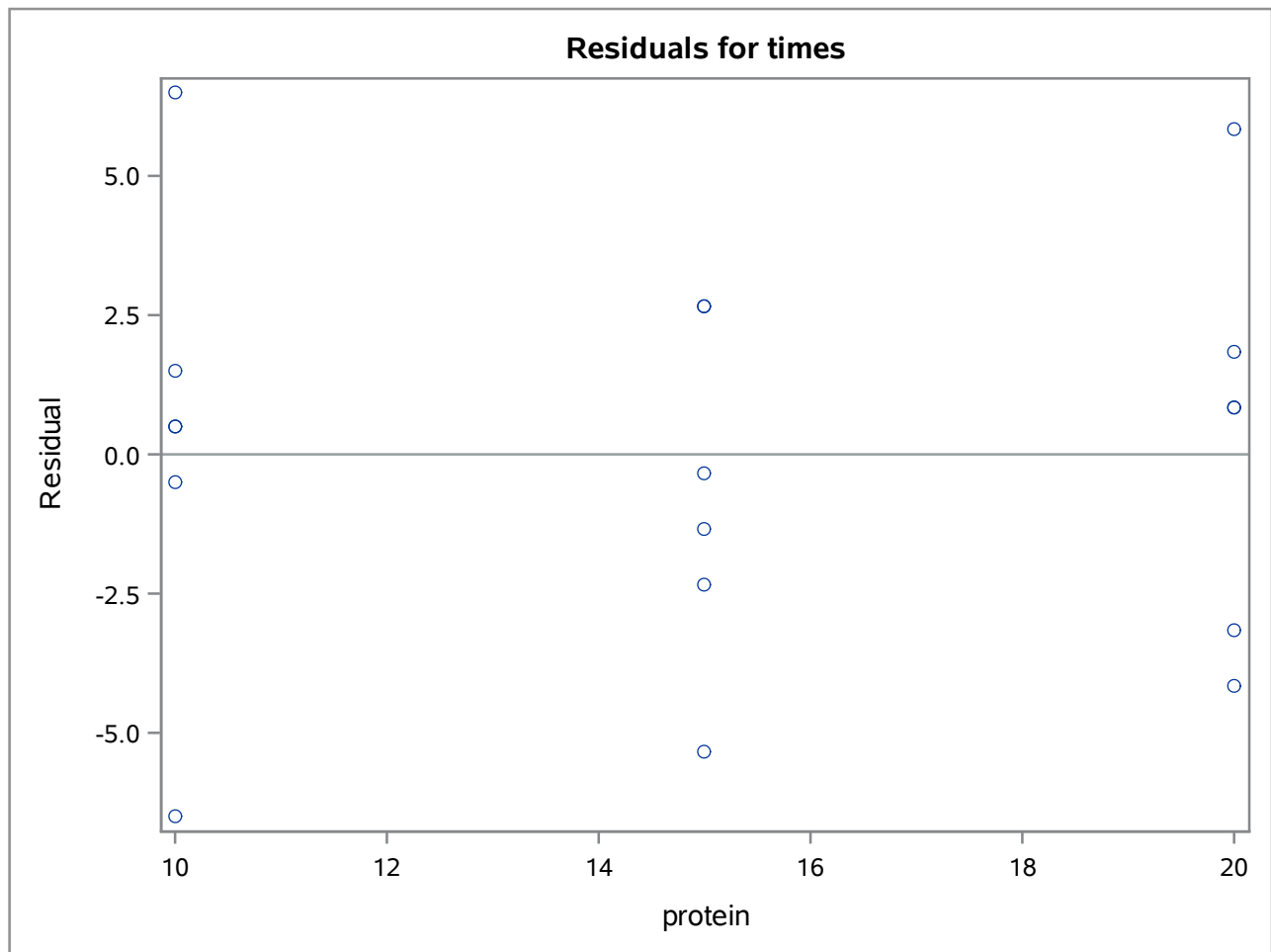


**The REG Procedure**  
**Model: modeled**  
**Dependent Variable: times**

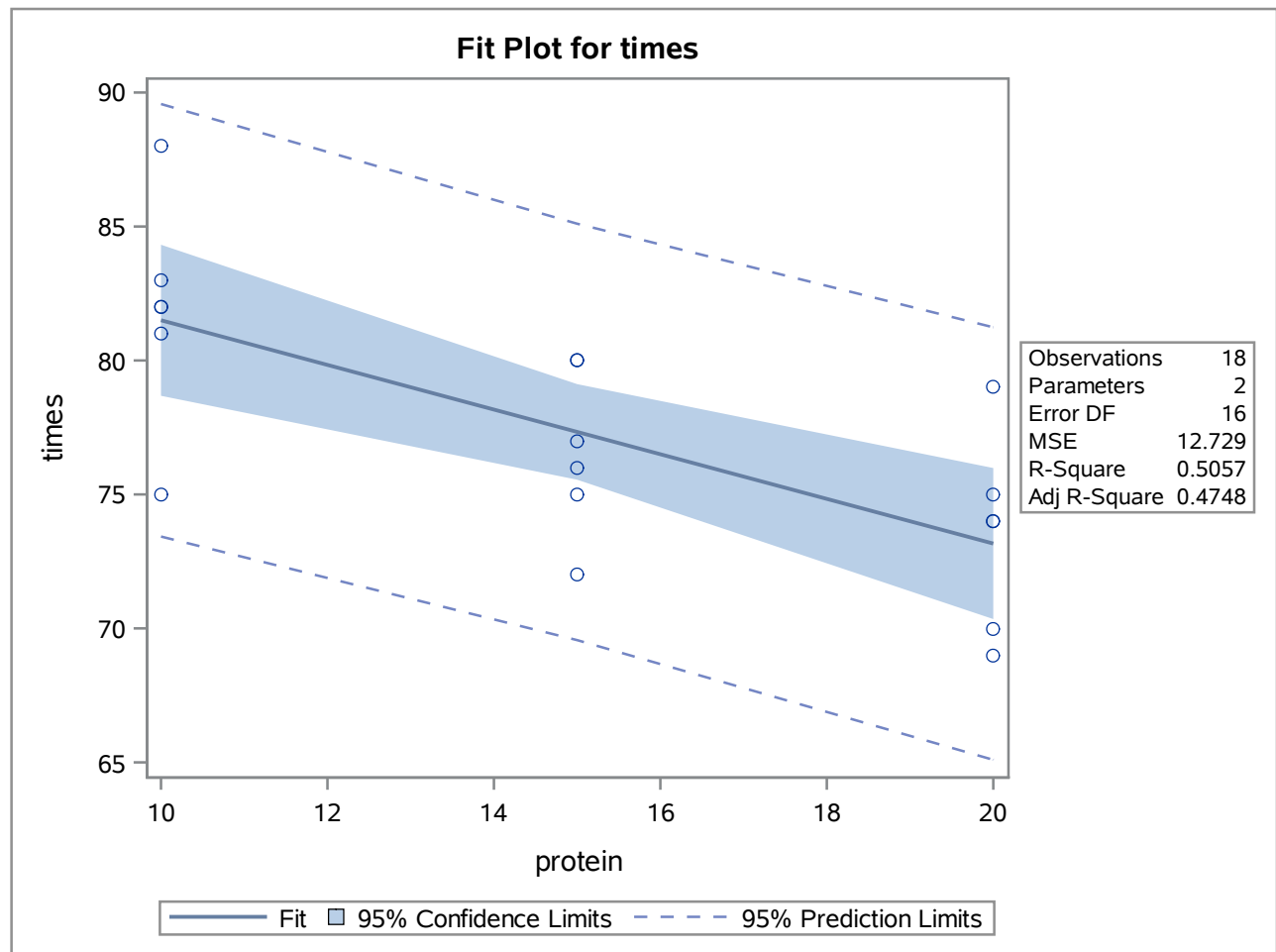
**Fit Diagnostics for times**



The REG Procedure  
Model: modelred  
Dependent Variable: times



The REG Procedure  
Model: modeled  
Dependent Variable: times



**The REG Procedure**  
**Model: modelfull**  
**Dependent Variable: times**

Number of Observations Read	18
Number of Observations Used	18

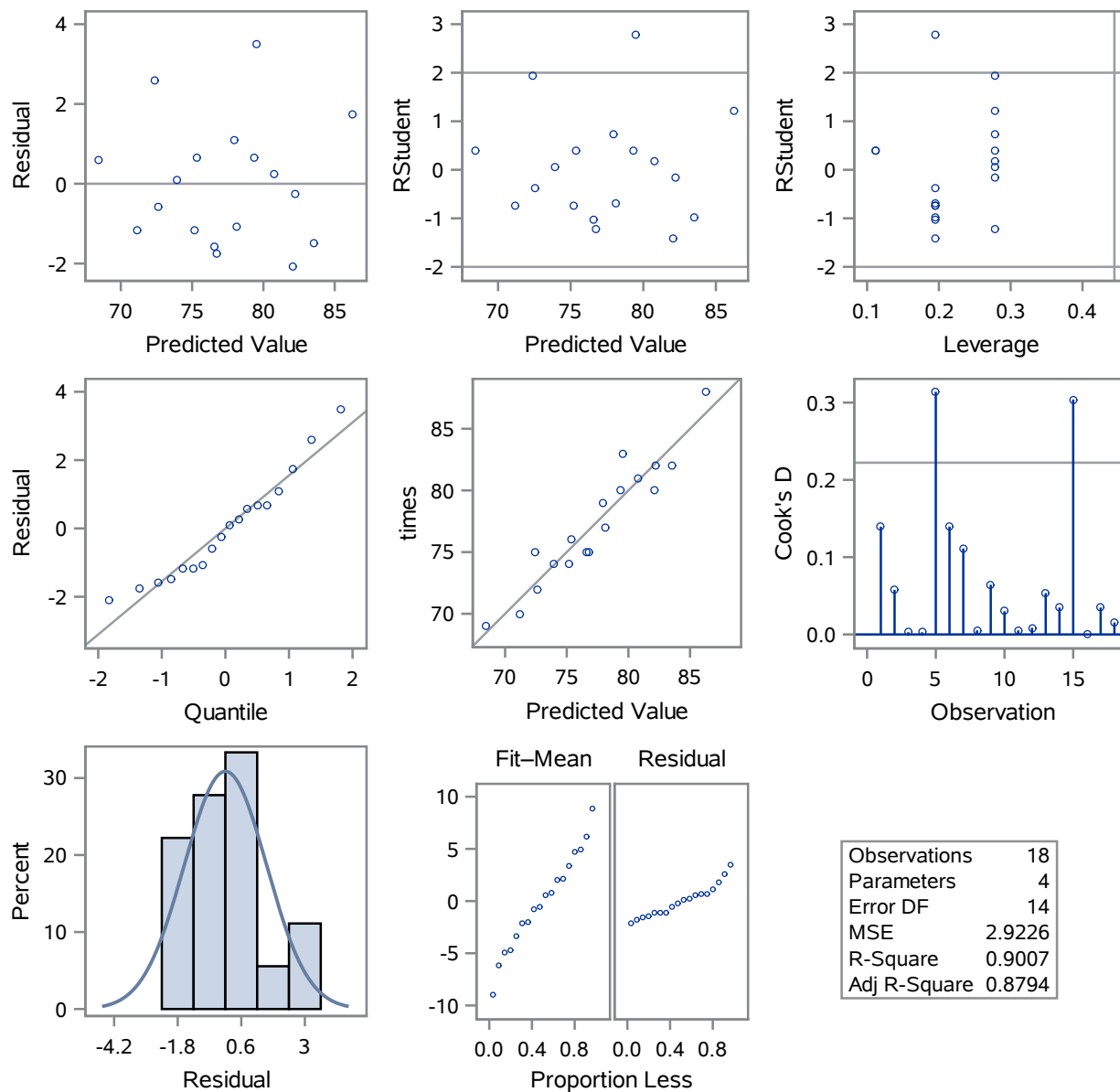
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	371.08333	123.69444	42.32	<.0001
Error	14	40.91667	2.92262		
Corrected Total	17	412.00000			

Root MSE	1.70957	R-Square	0.9007
Dependent Mean	77.33333	Adj R-Sq	0.8794
Coeff Var	2.21065		

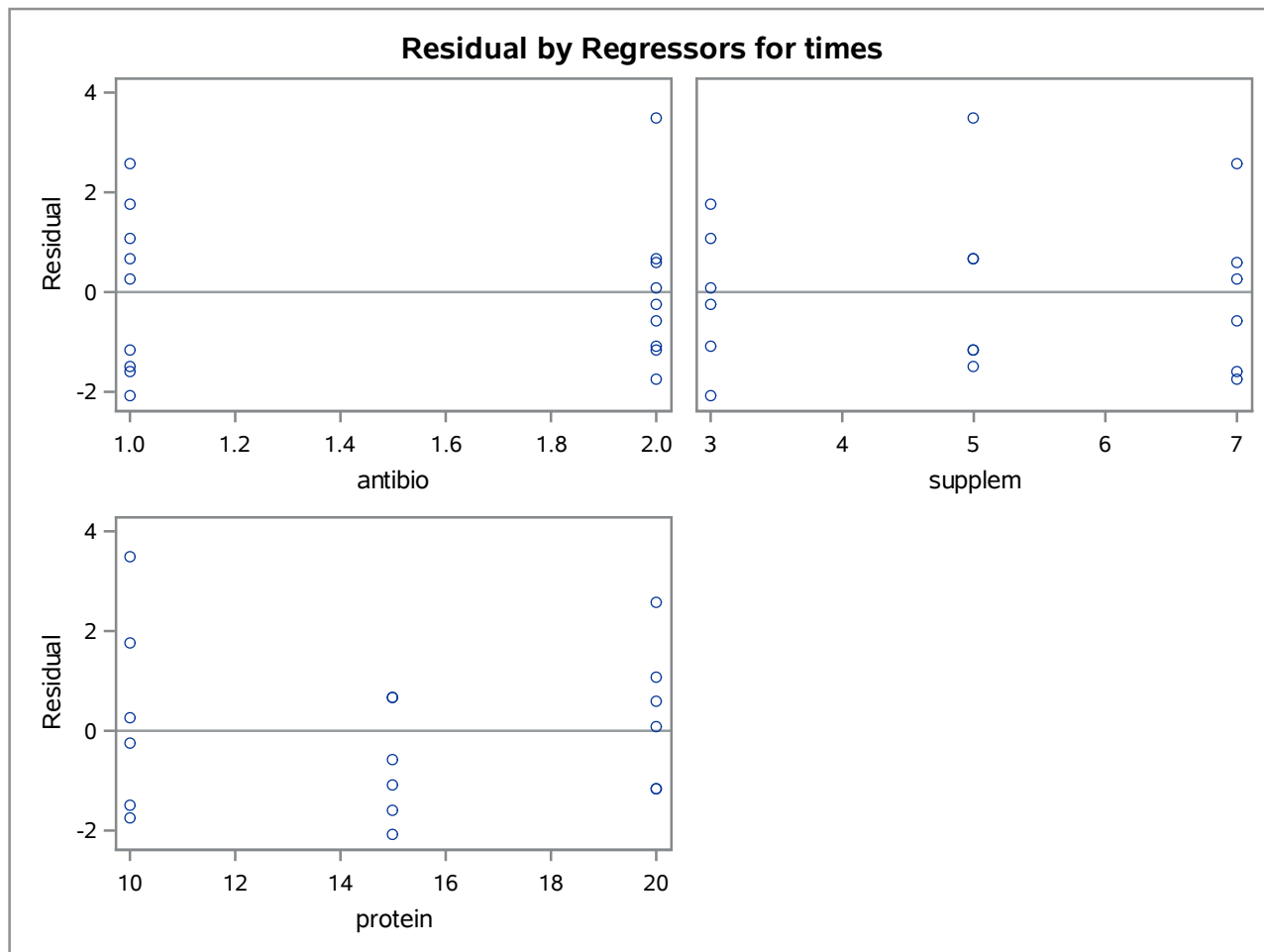
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	102.70833	2.31038	44.46	<.0001
antibio	1	-4.00000	0.80590	-4.96	0.0002
supplem	1	-1.37500	0.24675	-5.57	<.0001
protein	1	-0.83333	0.09870	-8.44	<.0001

**The REG Procedure**  
**Model: modelfull**  
**Dependent Variable: times**

**Fit Diagnostics for times**



The REG Procedure  
Model: modelfull  
Dependent Variable: times



**The REG Procedure**  
**Model: model5**  
**Dependent Variable: times**

Number of Observations Read	19
Number of Observations Used	18
Number of Observations with Missing Values	1

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	371.08333	123.69444	42.32	<.0001
Error	14	40.91667	2.92262		
Corrected Total	17	412.00000			

Root MSE	1.70957	R-Square	0.9007
Dependent Mean	77.33333	Adj R-Sq	0.8794
Coeff Var	2.21065		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	102.70833	2.31038	44.46	<.0001
protein	1	-0.83333	0.09870	-8.44	<.0001
antibio	1	-4.00000	0.80590	-4.96	0.0002
supplem	1	-1.37500	0.24675	-5.57	<.0001

**The REG Procedure**  
**Model: model5**  
**Dependent Variable: times**

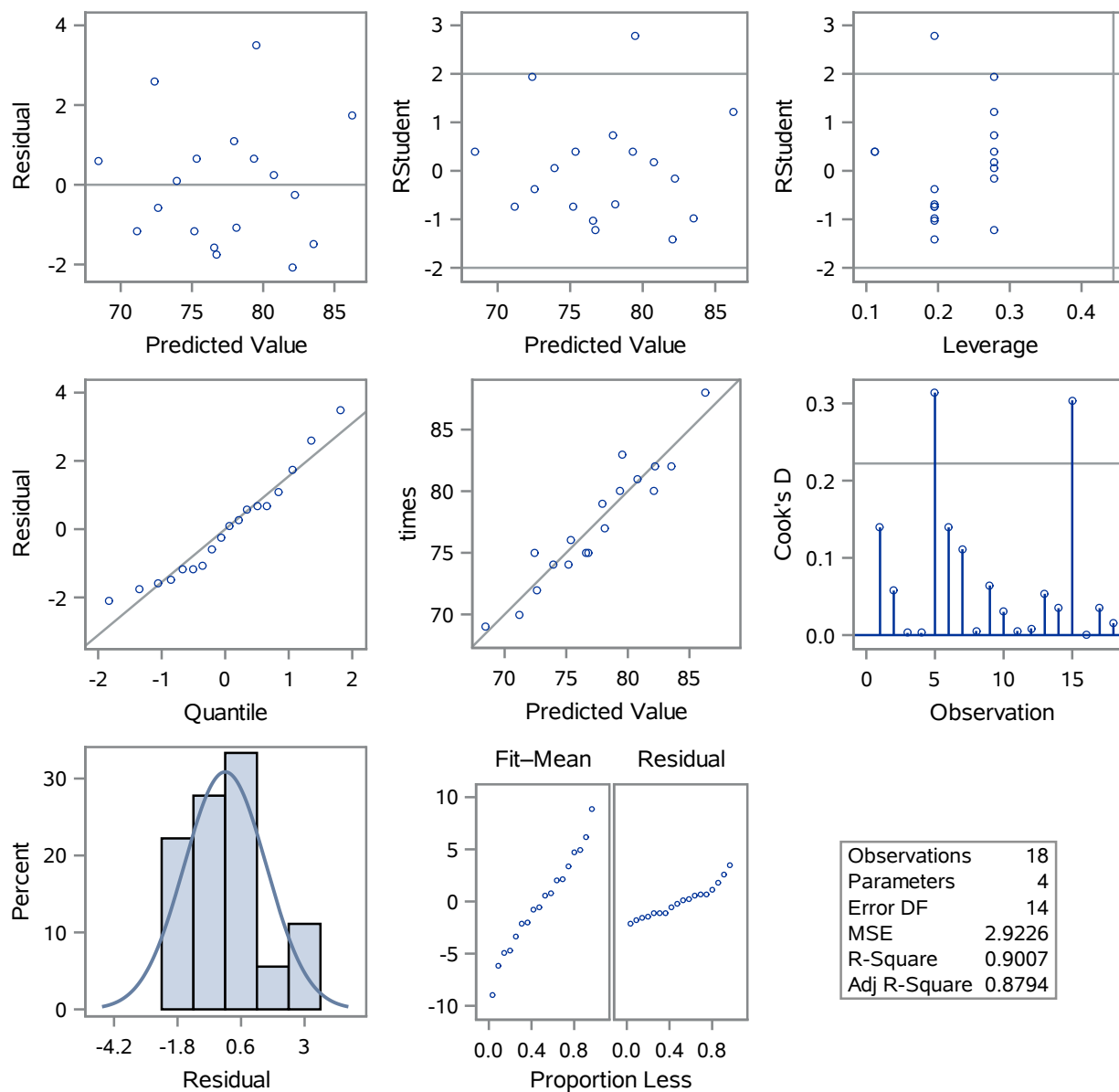
Output Statistics								
Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual
1	88	86.2500	0.9010	84.3175	88.1825	82.1053	90.3947	1.7500
2	82	83.5000	0.7538	81.8832	85.1168	79.4927	87.5073	-1.5000
3	81	80.7500	0.9010	78.8175	82.6825	76.6053	84.8947	0.2500
4	82	82.2500	0.9010	80.3175	84.1825	78.1053	86.3947	-0.2500
5	83	79.5000	0.7538	77.8832	81.1168	75.4927	83.5073	3.5000
6	75	76.7500	0.9010	74.8175	78.6825	72.6053	80.8947	-1.7500
7	80	82.0833	0.7538	80.4665	83.7002	78.0760	86.0906	-2.0833
8	80	79.3333	0.5699	78.1111	80.5556	75.4683	83.1983	0.6667
9	75	76.5833	0.7538	74.9665	78.2002	72.5760	80.5906	-1.5833
10	77	78.0833	0.7538	76.4665	79.7002	74.0760	82.0906	-1.0833
11	76	75.3333	0.5699	74.1111	76.5556	71.4683	79.1983	0.6667
12	72	72.5833	0.7538	70.9665	74.2002	68.5760	76.5906	-0.5833
13	79	77.9167	0.9010	75.9842	79.8492	73.7719	82.0614	1.0833
14	74	75.1667	0.7538	73.5498	76.7835	71.1594	79.1740	-1.1667
15	75	72.4167	0.9010	70.4842	74.3492	68.2719	76.5614	2.5833
16	74	73.9167	0.9010	71.9842	75.8492	69.7719	78.0614	0.0833
17	70	71.1667	0.7538	69.5498	72.7835	67.1594	75.1740	-1.1667
18	69	68.4167	0.9010	66.4842	70.3492	64.2719	72.5614	0.5833
19	.	78.4583	0.5576	77.2624	79.6543	74.6016	82.3151	.

Sum of Residuals	0
Sum of Squared Residuals	40.91667
Predicted Residual SS (PRESS)	68.24180

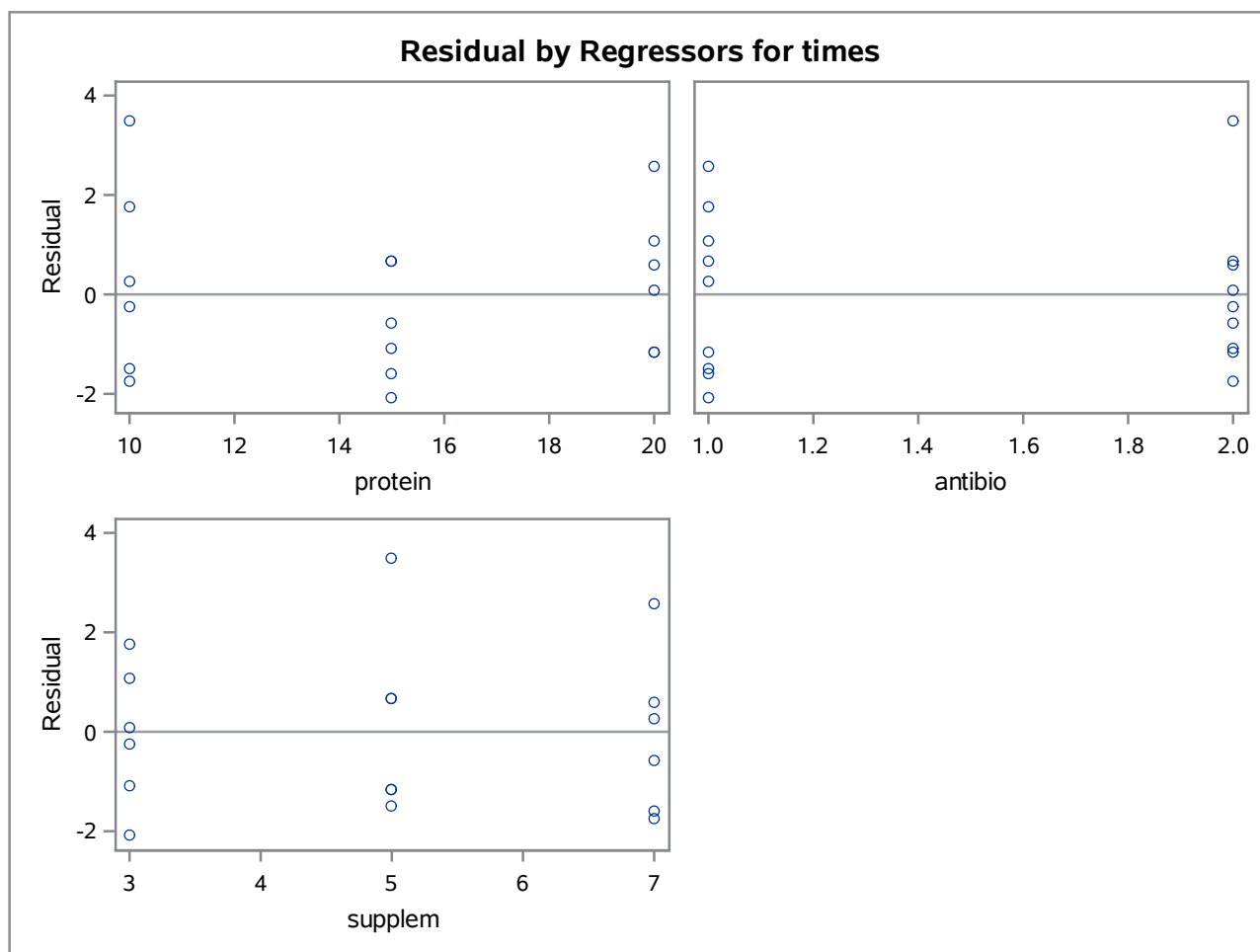


**The REG Procedure**  
**Model: model5**

**Fit Diagnostics for times**



The REG Procedure  
Model: model5



Obs	Pval
1	.000001160