The SAS System

Obs	Strain	Nitrogen
1	3DOK1	19.4
2	3DOK1	32.6
3	3DOK1	27
4	3DOK1	32.1
5	3DOK1	33
6	3DOK5	17.7
7	3DOK5	24.8
8	3DOK5	27.9
9	3DOK5	25.2
10	3DOK5	24.3
11	3DOK4	17
12	3DOK4	19.4
13	3DOK4	9.1
14	3DOK4	11.9
15	3DOK4	15.8
16	3DOK7	20.7
17	3DOK7	21
18	3DOK7	20.5
19	3DOK7	18.8
20	3DOK7	18.6
21	3DOK1	14.3
22	3DOK1	14.4
23	3DOK1	11.8
24	3DOK1	11.6
25	3DOK1	14.2
26	COMPO	17.3
27	COMPO	19.4
28	COMPO	19.1
29	COMPO	16.9
30	COMPO	20.8

The SAS System

The MEANS Procedure

Strain=3DOK1

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
10	21.0400000	9.1165539	11.6000000	33.0000000

Strain=3DOK4

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	14.6400000	4.1161876	9.1000000	19.4000000

Strain=3DOK5

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	23.9800000	3.7771683	17.7000000	27.9000000

Strain=3DOK7

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	19.9200000	1.1300442	18.6000000	21.0000000

Strain=COMPO

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	18.7000000	1.6015617	16.9000000	20.8000000

The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
Strain	5	3DOK1 3DOK4 3DOK5 3DOK7 COMPO

Number of Observations Read	30
Number of Observations Used	30

The SAS System

The GLM Procedure

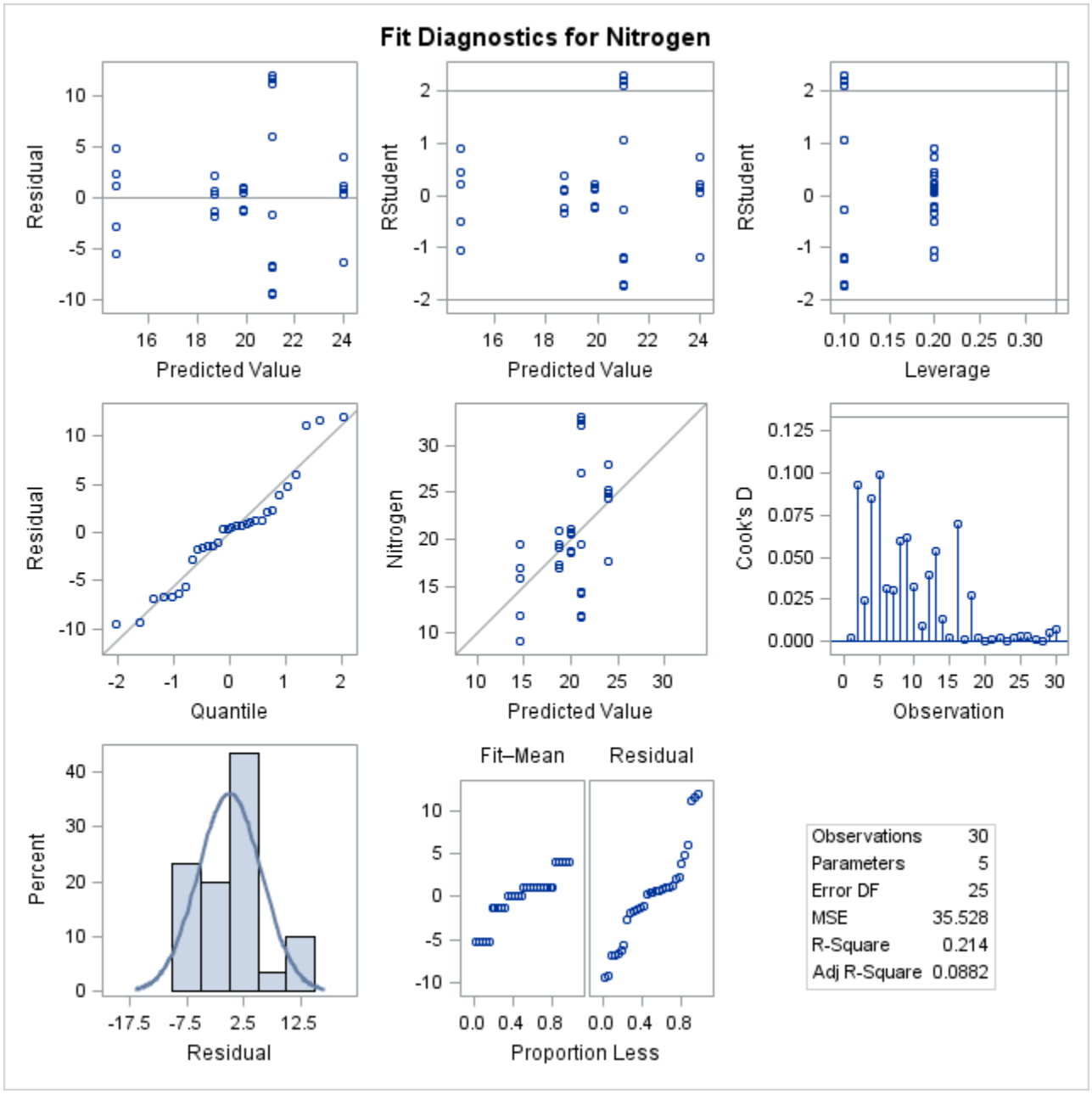
Dependent Variable: Nitrogen

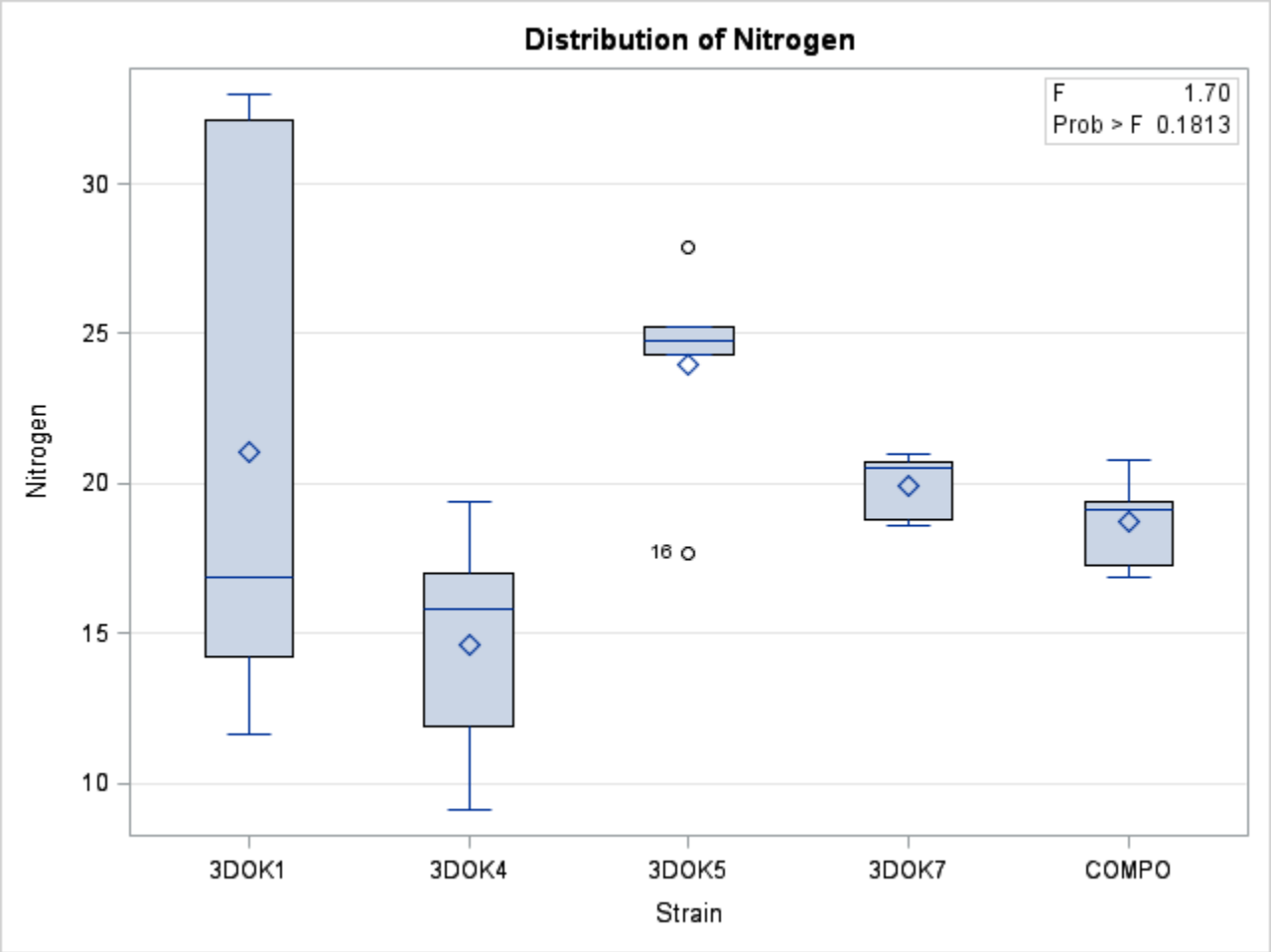
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	241.762667	60.440667	1.70	0.1813
Error	25	888.212000	35.528480		
Corrected Total	29	1129.974667			

R-Square	Coeff Var	Root MSE	Nitrogen Mean
0.213954	29.97273	5.960577	19.88667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813


Fit Diagnostics for Nitrogen
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Nitrogen
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 30
Parameters 5
Error DF 25
MSE 35.528
R-Square 0.214
Adj R-Square 0.0882


Distribution of Nitrogen
F 1.70
Prob > F 0.1813
30
25
20
15
10
Nitrogen
16
3DOK1
3DOK4
3DOK5
3DOK7
COMPO
Strain

The SAS System

Obs	Bonus	Gender
1	9.2	F
2	7.7	F
3	11.9	F
4	6.2	F
5	9	F
6	8.4	F
7	6.9	F
8	7.6	F
9	7.4	F
10	8	F
11	9.9	F
12	6.7	F
13	8.4	F
14	9.3	F
15	9.1	F
16	8.7	F
17	9.2	F
18	9.1	F
19	8.4	F
20	9.6	F
21	7.7	F
22	9	F
23	9	F
24	8.4	F
25	10.4	M
26	8.9	M
27	11.7	M
28	12	M
29	8.7	M
30	9.4	M
31	9.8	M
32	9	M

33	9.2	M
34	9.7	M
35	9.1	M
36	8.8	M
37	7.9	M
38	9.9	M
39	10	M
40	10.1	M
41	9	M
42	11.4	M
43	8.7	M
44	9.6	M
45	9.2	M
46	9.7	M
47	8.9	M
48	9.2	M
49	9.4	M
50	9.7	M
51	8.9	M
52	9.3	M
53	10.4	M
54	11.9	M
55	9	M
56	12	M
57	9.6	M
58	9.2	M
59	9.9	M
60	9	M

The SAS System

The MEANS Procedure

Gender=F

Analysis Variable : Bonus Bonus				
N	Mean	Std Dev	Minimum	Maximum
24	8.5333333	1.1889589	6.2000000	11.9000000

Gender=M

Analysis Variable : Bonus Bonus				
N	Mean	Std Dev	Minimum	Maximum
36	9.6833333	1.0038497	7.9000000	12.0000000

The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
Gender	2	F M

Number of Observations Read	60
Number of Observations Used	60

The SAS System

The GLM Procedure

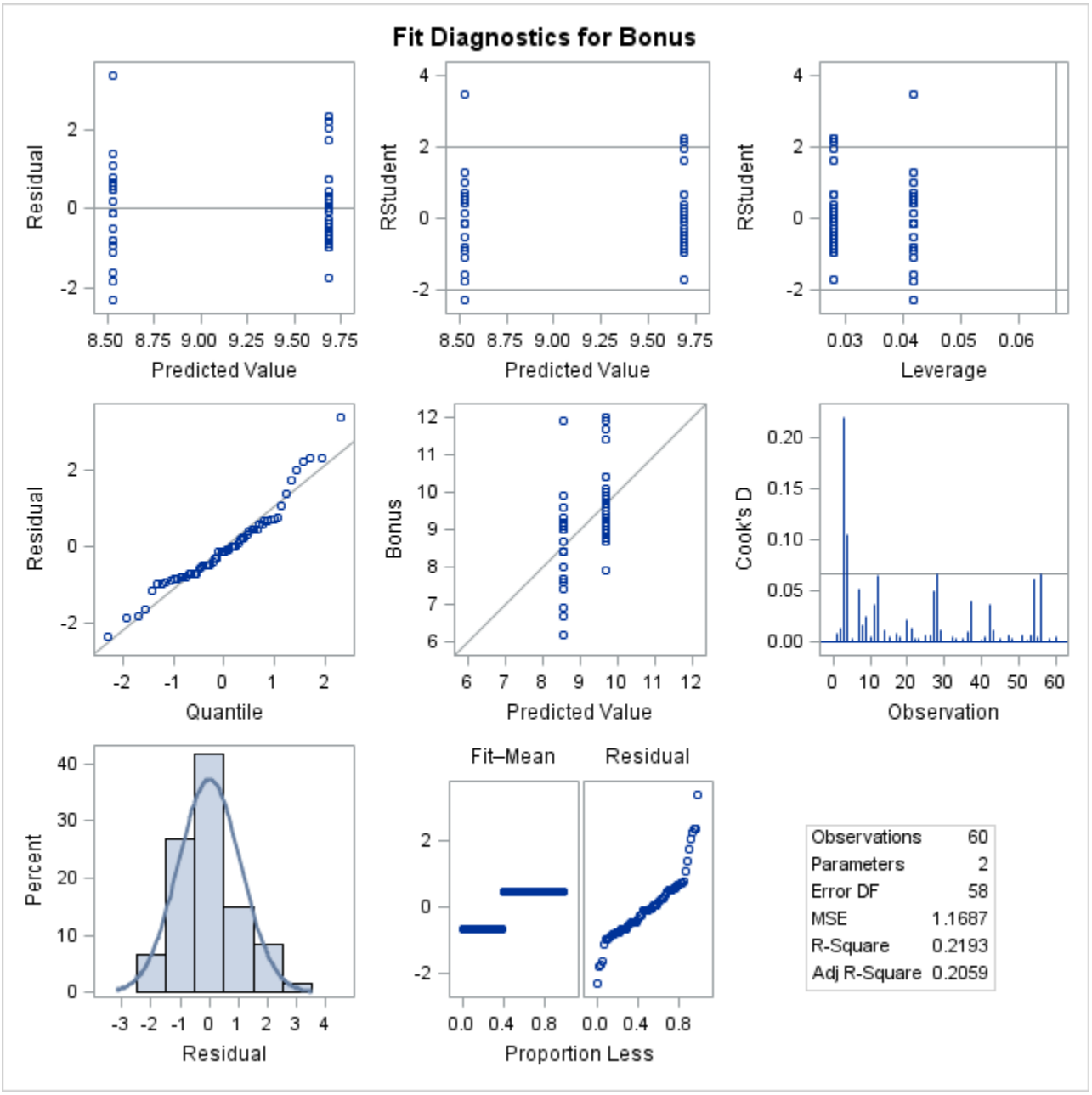
Dependent Variable: Bonus Bonus

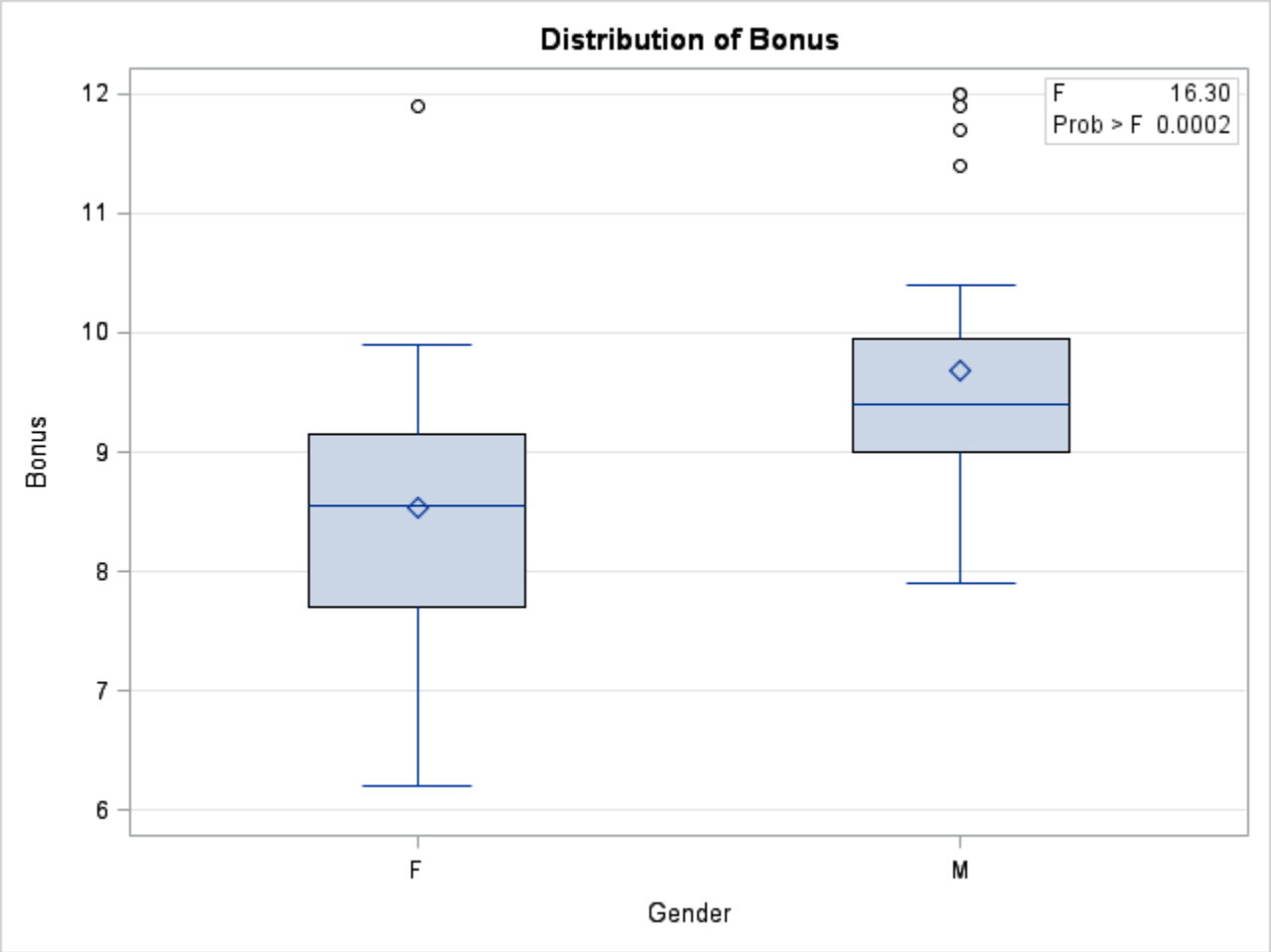
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	19.04400000	19.04400000	16.30	0.0002
Error	58	67.78333333	1.16867816		
Corrected Total	59	86.82733333			

R-Square	Coeff Var	Root MSE	Bonus Mean
0.219332	11.72086	1.081054	9.223333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Gender	1	19.04400000	19.04400000	16.30	0.0002

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1	19.04400000	19.04400000	16.30	0.0002


Fit Diagnostics for Bonus
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Bonus
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 60
Parameters 2
Error DF 58
MSE 1.1687
R-Square 0.2193
Adj R-Square 0.2059


Distribution of Bonus
F 16.30
Prob > F 0.0002
12
11
10
9
8
7
6
Bonus
F
M
Gender

The SAS System

Obs	Strain	Nitrogen
1	3DOK1	19.4
2	3DOK1	32.6
3	3DOK1	27
4	3DOK1	32.1
5	3DOK1	33
6	3DOK5	17.7
7	3DOK5	24.8
8	3DOK5	27.9
9	3DOK5	25.2
10	3DOK5	24.3
11	3DOK4	17
12	3DOK4	19.4
13	3DOK4	9.1
14	3DOK4	11.9
15	3DOK4	15.8
16	3DOK7	20.7
17	3DOK7	21
18	3DOK7	20.5
19	3DOK7	18.8
20	3DOK7	18.6
21	3DOK1	14.3
22	3DOK1	14.4
23	3DOK1	11.8
24	3DOK1	11.6
25	3DOK1	14.2
26	COMPO	17.3
27	COMPO	19.4
28	COMPO	19.1
29	COMPO	16.9
30	COMPO	20.8

The SAS System

The MEANS Procedure

Strain=3DOK1

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
10	21.0400000	9.1165539	11.6000000	33.0000000

Strain=3DOK4

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	14.6400000	4.1161876	9.1000000	19.4000000

Strain=3DOK5

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	23.9800000	3.7771683	17.7000000	27.9000000

Strain=3DOK7

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	19.9200000	1.1300442	18.6000000	21.0000000

Strain=COMPO

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	18.7000000	1.6015617	16.9000000	20.8000000

The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
Strain	5	3DOK1 3DOK4 3DOK5 3DOK7 COMPO

Number of Observations Read	30
Number of Observations Used	30

The SAS System

The GLM Procedure

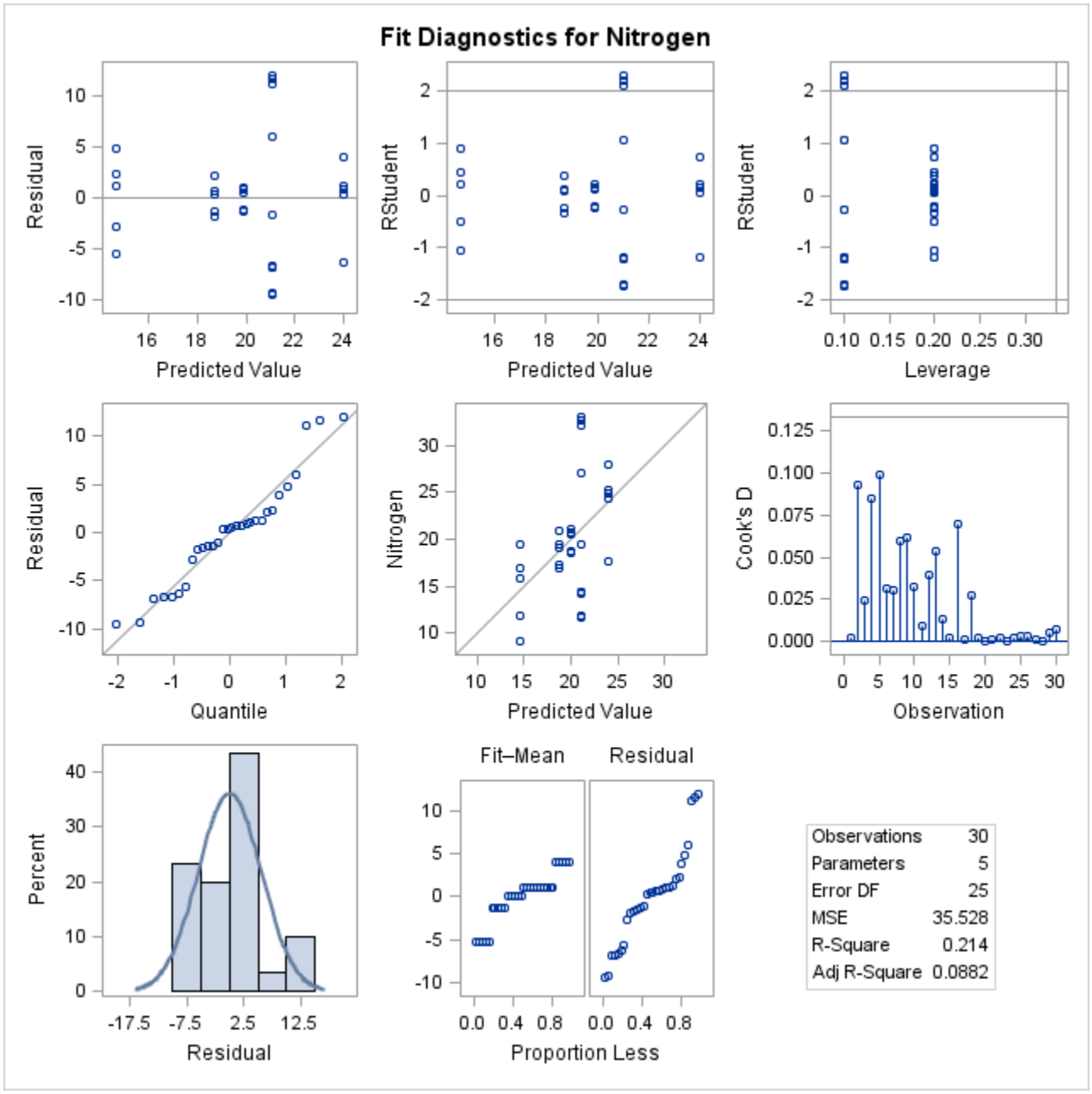
Dependent Variable: Nitrogen

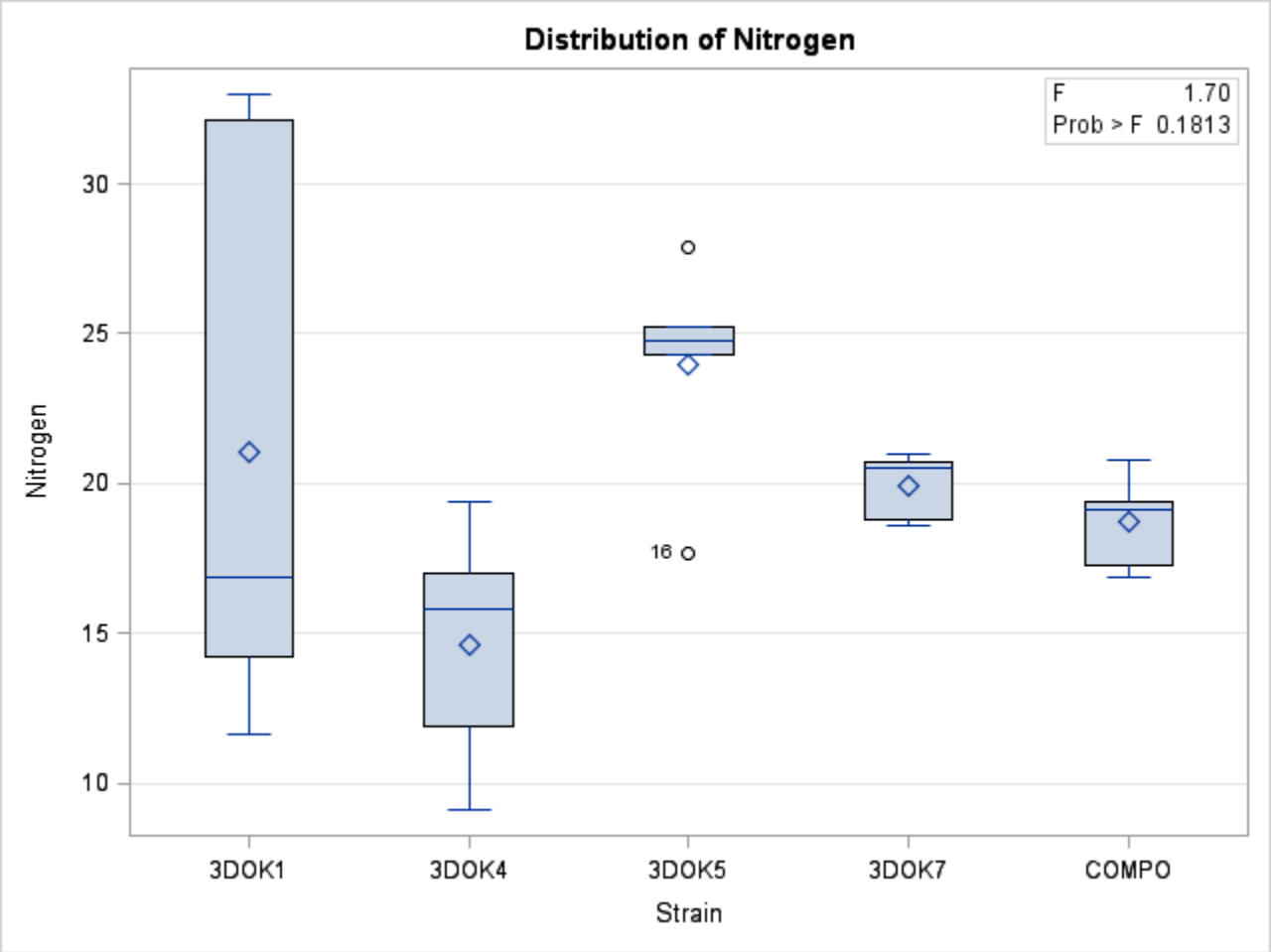
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	241.762667	60.440667	1.70	0.1813
Error	25	888.212000	35.528480		
Corrected Total	29	1129.974667			

R-Square	Coeff Var	Root MSE	Nitrogen Mean
0.213954	29.97273	5.960577	19.88667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813


Fit Diagnostics for Nitrogen
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Nitrogen
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 30
Parameters 5
Error DF 25
MSE 35.528
R-Square 0.214
Adj R-Square 0.0882


Distribution of Nitrogen
F 1.70
Prob > F 0.1813
Nitrogen
30
25
20
15
10
16
3DOK1
3DOK4
3DOK5
3DOK7
COMPO
Strain

The SAS System

Obs	Bonus	Gender
1	9.2	F
2	7.7	F
3	11.9	F
4	6.2	F
5	9	F
6	8.4	F
7	6.9	F
8	7.6	F
9	7.4	F
10	8	F
11	9.9	F
12	6.7	F
13	8.4	F
14	9.3	F
15	9.1	F
16	8.7	F
17	9.2	F
18	9.1	F
19	8.4	F
20	9.6	F
21	7.7	F
22	9	F
23	9	F
24	8.4	F
25	10.4	M
26	8.9	M
27	11.7	M
28	12	M
29	8.7	M
30	9.4	M
31	9.8	M
32	9	M

33	9.2	M
34	9.7	M
35	9.1	M
36	8.8	M
37	7.9	M
38	9.9	M
39	10	M
40	10.1	M
41	9	M
42	11.4	M
43	8.7	M
44	9.6	M
45	9.2	M
46	9.7	M
47	8.9	M
48	9.2	M
49	9.4	M
50	9.7	M
51	8.9	M
52	9.3	M
53	10.4	M
54	11.9	M
55	9	M
56	12	M
57	9.6	M
58	9.2	M
59	9.9	M
60	9	M

The SAS System

The MEANS Procedure

Gender=F

Analysis Variable : Bonus Bonus				
N	Mean	Std Dev	Minimum	Maximum
24	8.5333333	1.1889589	6.2000000	11.9000000

Gender=M

Analysis Variable : Bonus Bonus				
N	Mean	Std Dev	Minimum	Maximum
36	9.6833333	1.0038497	7.9000000	12.0000000

The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
Gender	2	F M

Number of Observations Read	60
Number of Observations Used	60

The SAS System

The GLM Procedure

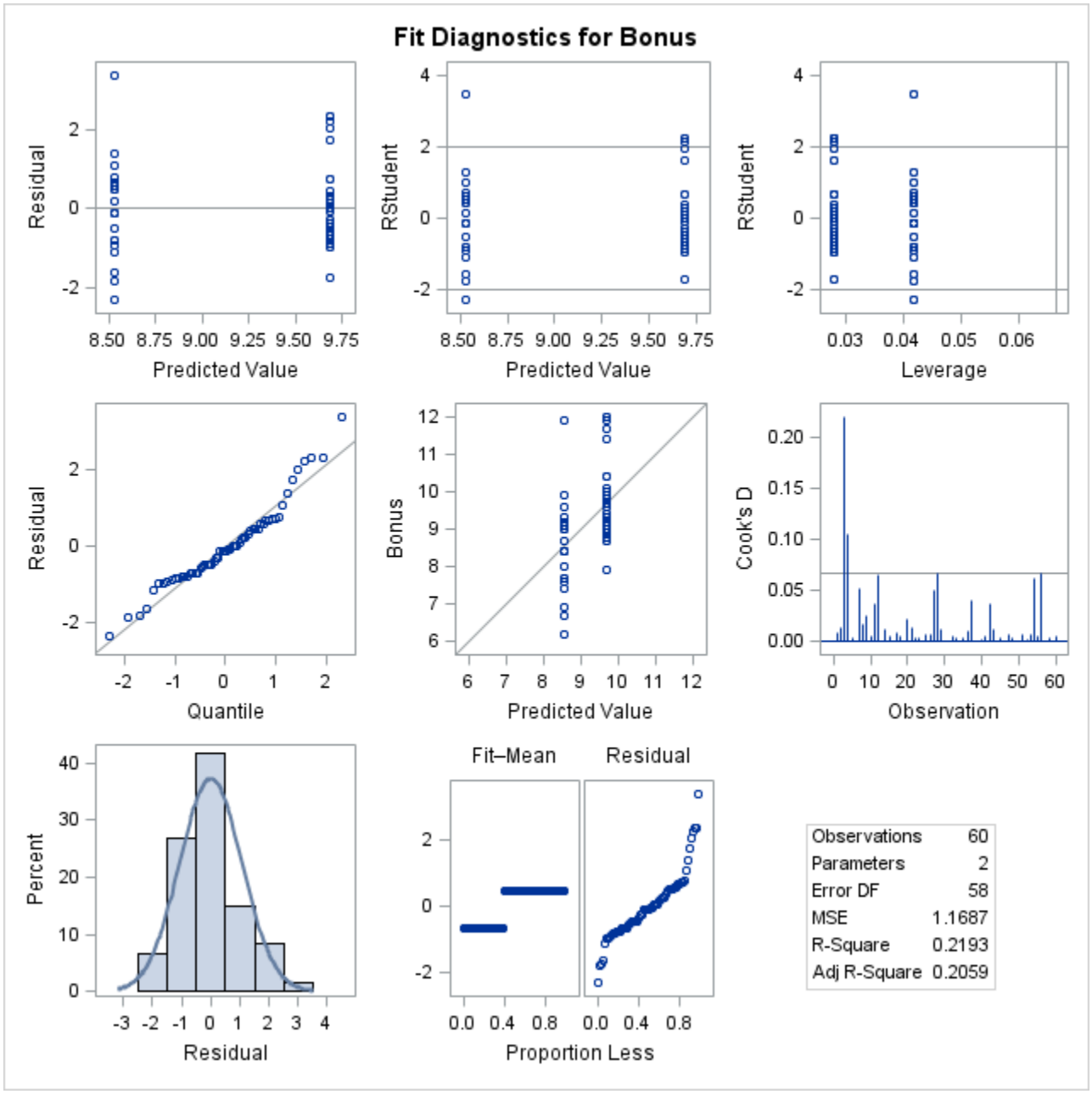
Dependent Variable: Bonus Bonus

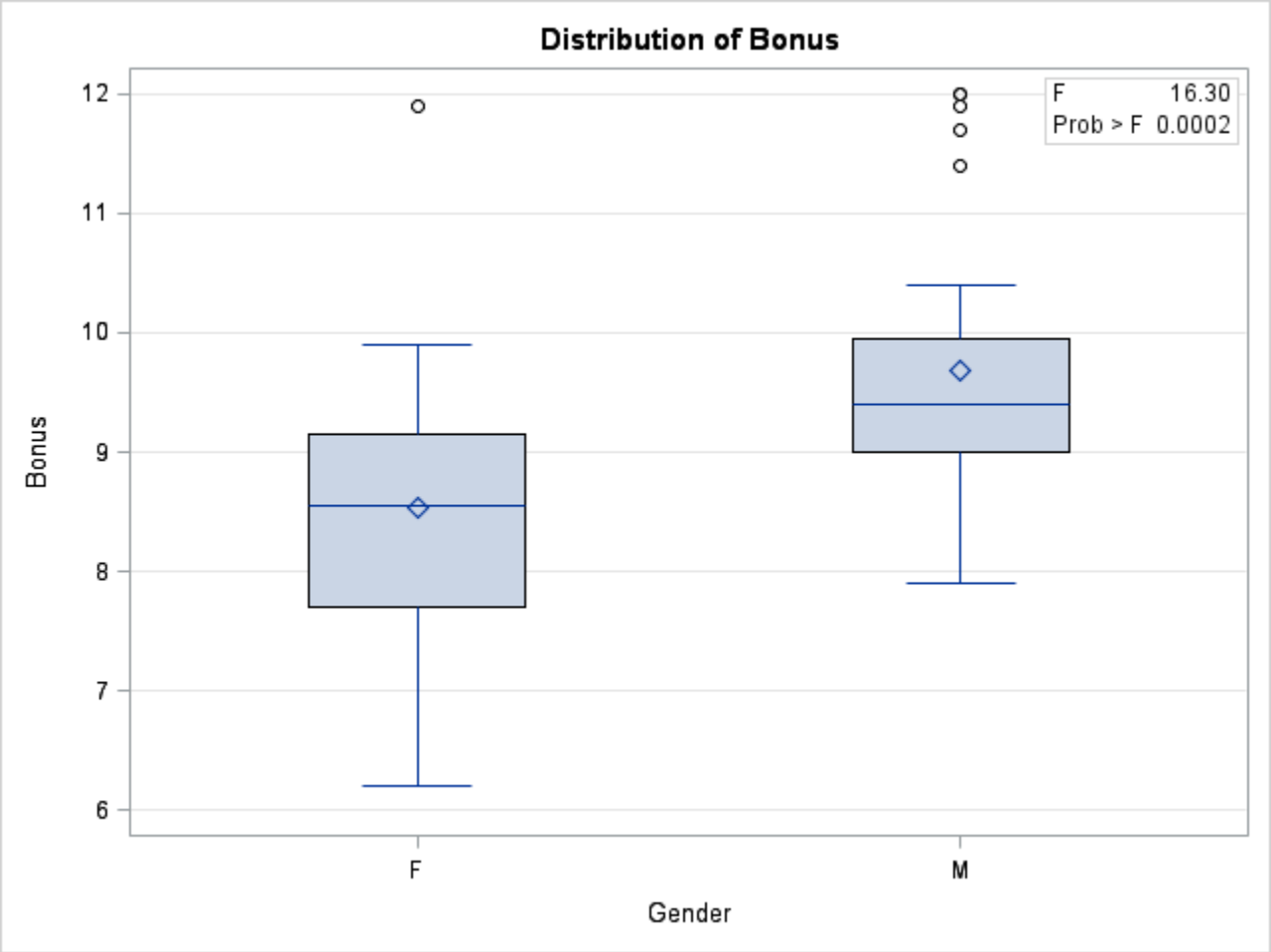
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	19.04400000	19.04400000	16.30	0.0002
Error	58	67.78333333	1.16867816		
Corrected Total	59	86.82733333			

R-Square	Coeff Var	Root MSE	Bonus Mean
0.219332	11.72086	1.081054	9.223333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Gender	1	19.04400000	19.04400000	16.30	0.0002

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Gender	1	19.04400000	19.04400000	16.30	0.0002


Fit Diagnostics for Bonus
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Bonus
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 60
Parameters 2
Error DF 58
MSE 1.1687
R-Square 0.2193
Adj R-Square 0.2059


Distribution of Bonus
F 16.30
Prob > F 0.0002
12
11
10
9
8
7
6
Bonus
F
M
Gender

The SAS System

Obs	Strain	Nitrogen
1	3DOK1	19.4
2	3DOK1	32.6
3	3DOK1	27
4	3DOK1	32.1
5	3DOK1	33
6	3DOK5	17.7
7	3DOK5	24.8
8	3DOK5	27.9
9	3DOK5	25.2
10	3DOK5	24.3
11	3DOK4	17
12	3DOK4	19.4
13	3DOK4	9.1
14	3DOK4	11.9
15	3DOK4	15.8
16	3DOK7	20.7
17	3DOK7	21
18	3DOK7	20.5
19	3DOK7	18.8
20	3DOK7	18.6
21	3DOK1	14.3
22	3DOK1	14.4
23	3DOK1	11.8
24	3DOK1	11.6
25	3DOK1	14.2
26	COMPO	17.3
27	COMPO	19.4
28	COMPO	19.1
29	COMPO	16.9
30	COMPO	20.8

The SAS System

The MEANS Procedure

Strain=3DOK1

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
10	21.0400000	9.1165539	11.6000000	33.0000000

Strain=3DOK4

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	14.6400000	4.1161876	9.1000000	19.4000000

Strain=3DOK5

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	23.9800000	3.7771683	17.7000000	27.9000000

Strain=3DOK7

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	19.9200000	1.1300442	18.6000000	21.0000000

Strain=COMPO

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	18.7000000	1.6015617	16.9000000	20.8000000

The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
Strain	5	3DOK1 3DOK4 3DOK5 3DOK7 COMPO

Number of Observations Read	30
Number of Observations Used	30

The SAS System

The GLM Procedure

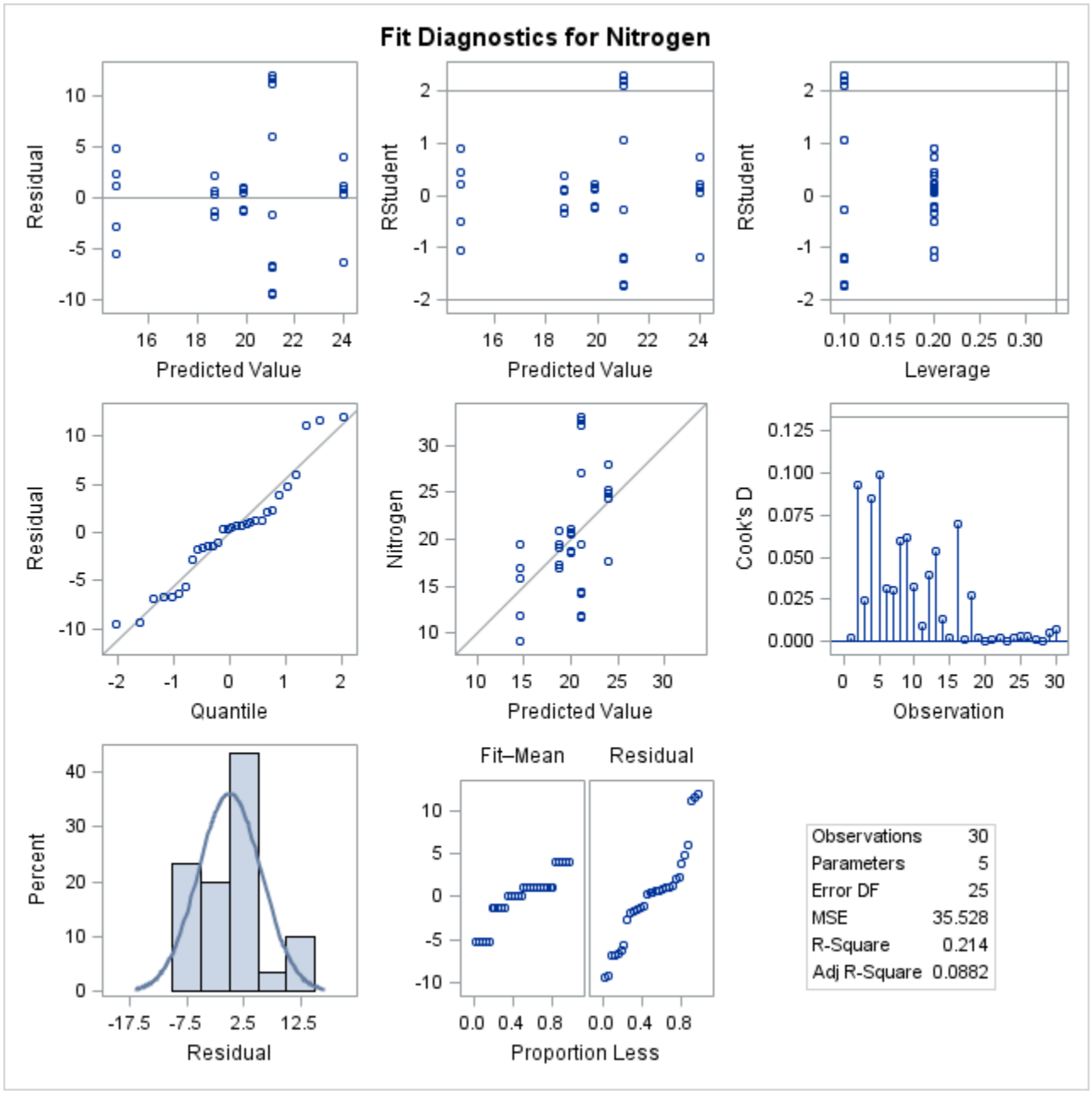
Dependent Variable: Nitrogen

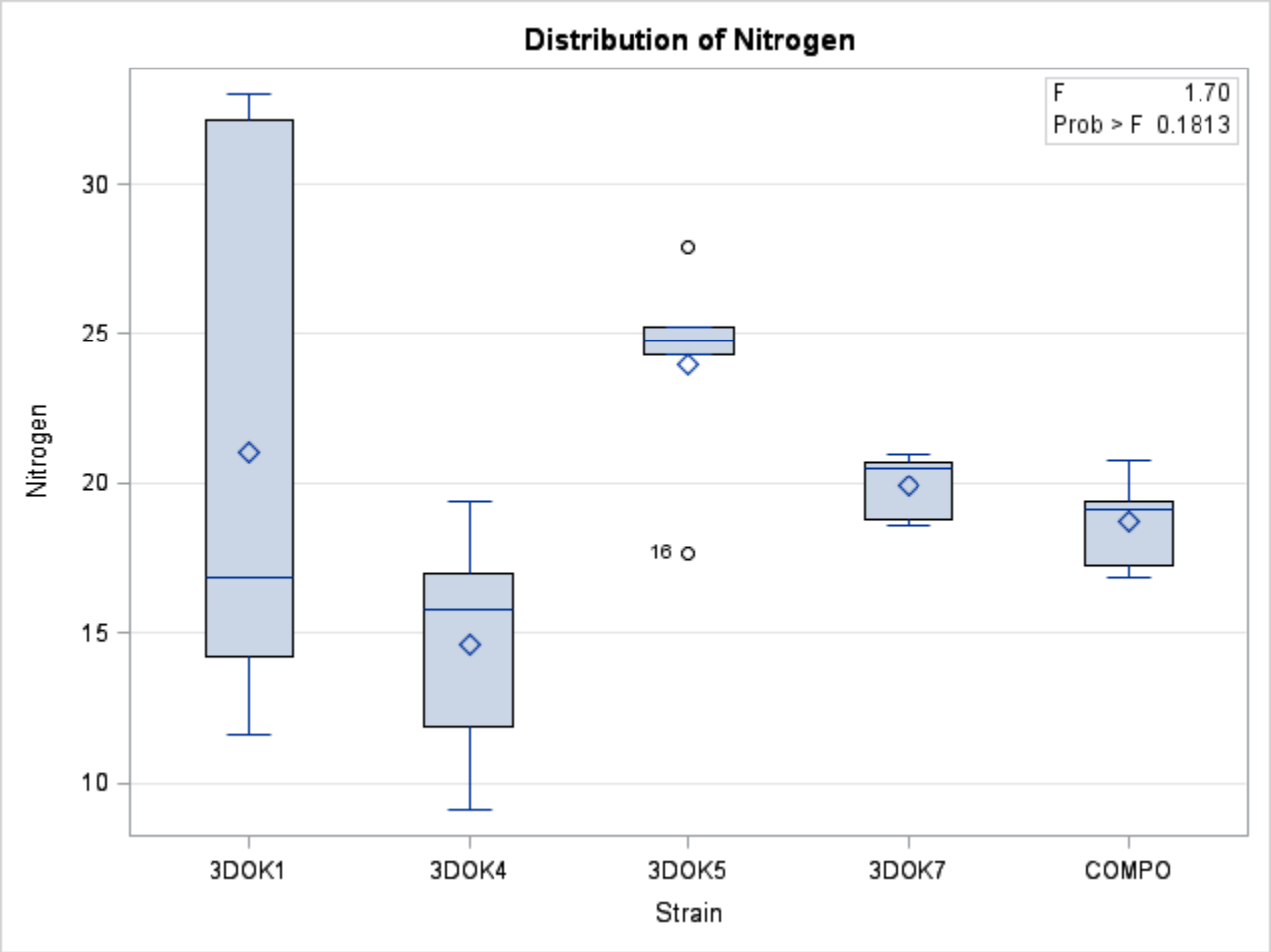
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	241.762667	60.440667	1.70	0.1813
Error	25	888.212000	35.528480		
Corrected Total	29	1129.974667			

R-Square	Coeff Var	Root MSE	Nitrogen Mean
0.213954	29.97273	5.960577	19.88667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813


Fit Diagnostics for Nitrogen
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Nitrogen
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 30
Parameters 5
Error DF 25
MSE 35.528
R-Square 0.214
Adj R-Square 0.0882


Distribution of Nitrogen
F 1.70
Prob > F 0.1813
30
25
20
15
10
Nitrogen
16
3DOK1
3DOK4
3DOK5
3DOK7
COMPO
Strain

The SAS System

Obs	Strain	Nitrogen
1	3DOK1	19.4
2	3DOK1	32.6
3	3DOK1	27
4	3DOK1	32.1
5	3DOK1	33
6	3DOK5	17.7
7	3DOK5	24.8
8	3DOK5	27.9
9	3DOK5	25.2
10	3DOK5	24.3
11	3DOK4	17
12	3DOK4	19.4
13	3DOK4	9.1
14	3DOK4	11.9
15	3DOK4	15.8
16	3DOK7	20.7
17	3DOK7	21
18	3DOK7	20.5
19	3DOK7	18.8
20	3DOK7	18.6
21	3DOK1	14.3
22	3DOK1	14.4
23	3DOK1	11.8
24	3DOK1	11.6
25	3DOK1	14.2
26	COMPO	17.3
27	COMPO	19.4
28	COMPO	19.1
29	COMPO	16.9
30	COMPO	20.8

The SAS System

The MEANS Procedure

Strain=3DOK1

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
10	21.0400000	9.1165539	11.6000000	33.0000000

Strain=3DOK4

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	14.6400000	4.1161876	9.1000000	19.4000000

Strain=3DOK5

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	23.9800000	3.7771683	17.7000000	27.9000000

Strain=3DOK7

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	19.9200000	1.1300442	18.6000000	21.0000000

Strain=COMPO

Analysis Variable : Nitrogen				
N	Mean	Std Dev	Minimum	Maximum
5	18.7000000	1.6015617	16.9000000	20.8000000

The SAS System

The GLM Procedure

Class Level Information		
Class	**Levels**	**Values**
Strain	5	3DOK1 3DOK4 3DOK5 3DOK7 COMPO

Number of Observations Read	30
Number of Observations Used	30

The SAS System

The GLM Procedure

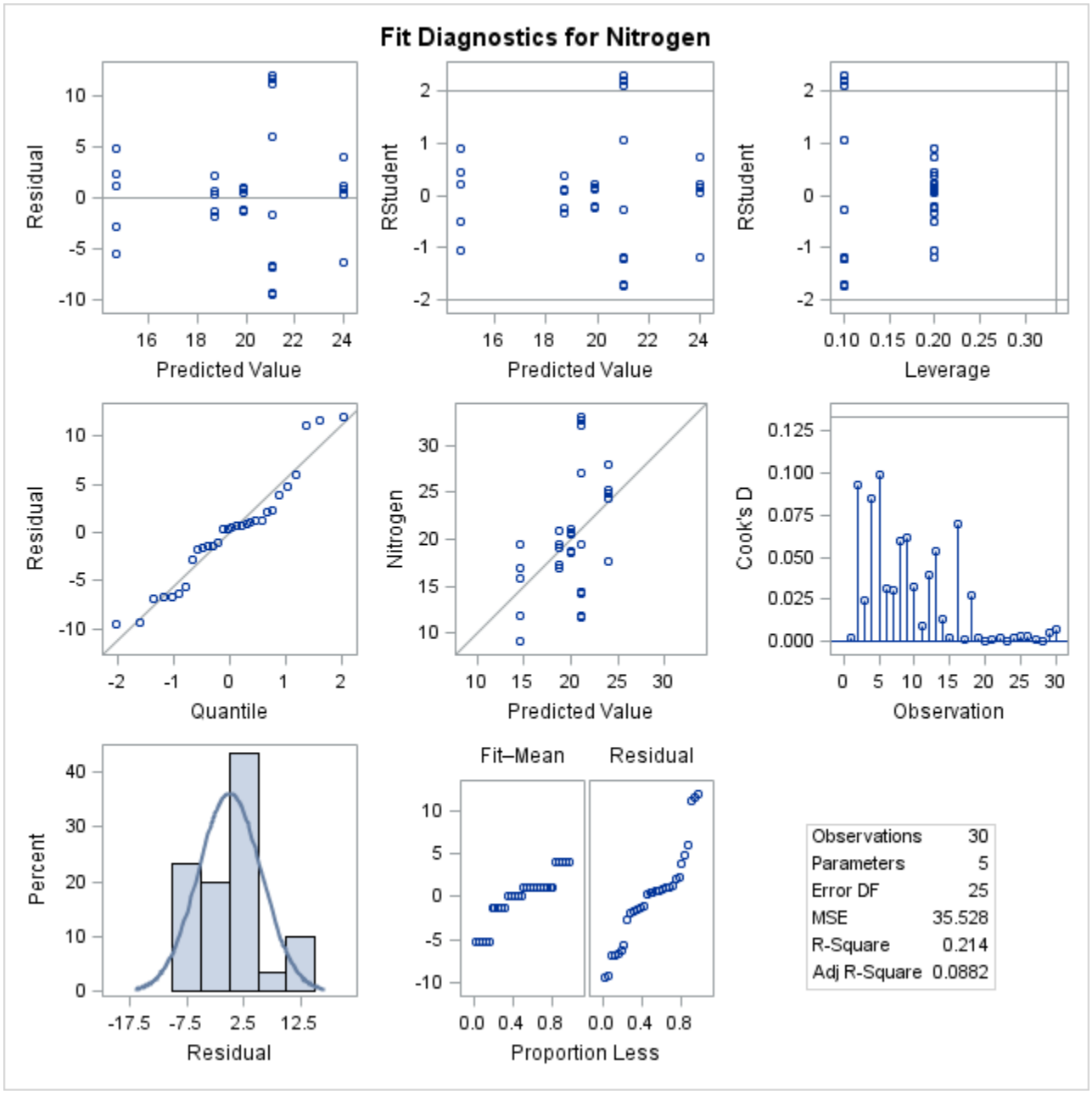
Dependent Variable: Nitrogen

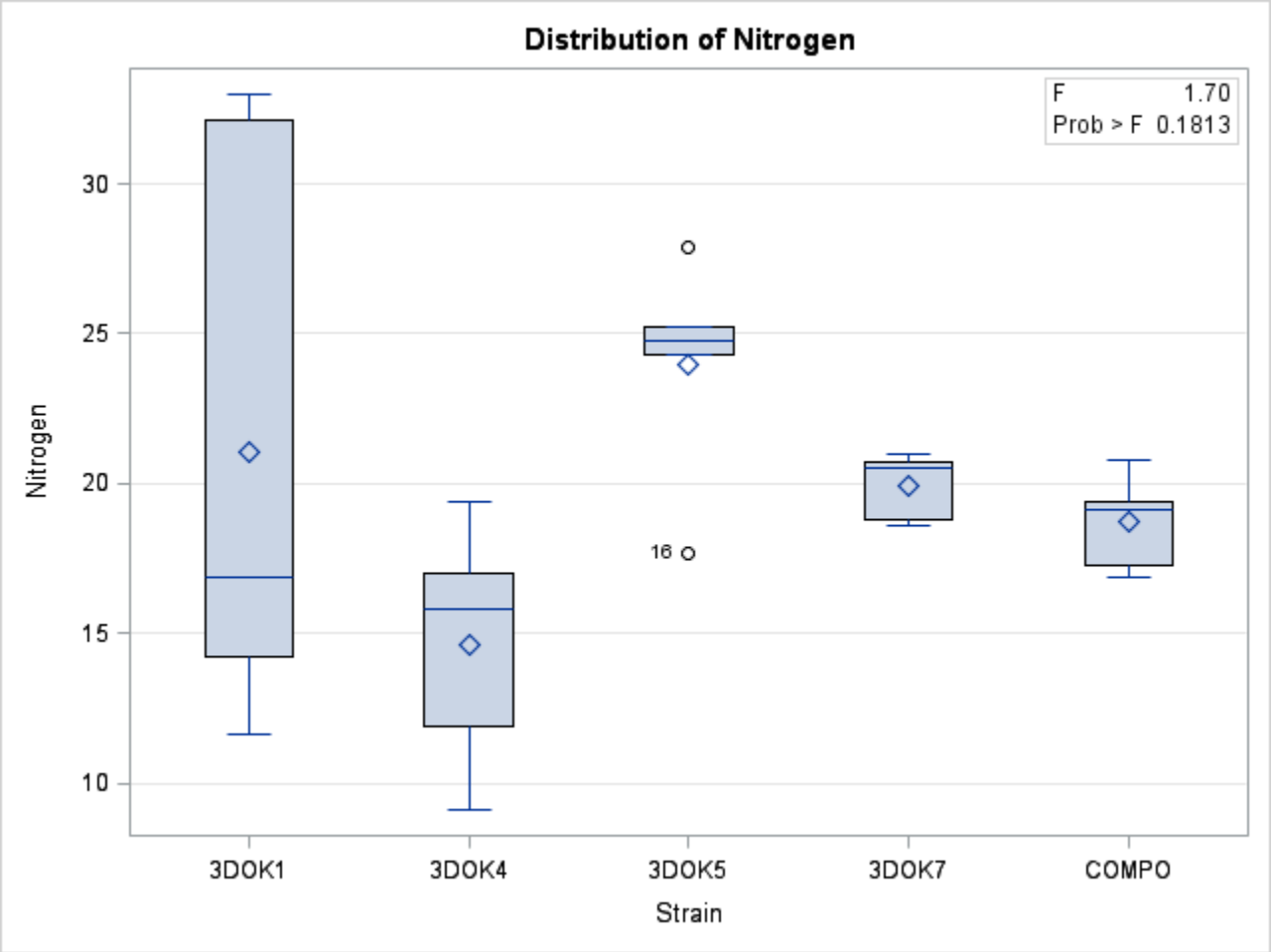
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	241.762667	60.440667	1.70	0.1813
Error	25	888.212000	35.528480		
Corrected Total	29	1129.974667			

R-Square	Coeff Var	Root MSE	Nitrogen Mean
0.213954	29.97273	5.960577	19.88667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813

Source	DF	Type III SS	Mean Square	F Value	Pr > F
Strain	4	241.7626667	60.4406667	1.70	0.1813


Fit Diagnostics for Nitrogen
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
Nitrogen
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 30
Parameters 5
Error DF 25
MSE 35.528
R-Square 0.214
Adj R-Square 0.0882


Distribution of Nitrogen
F 1.70
Prob > F 0.1813
Nitrogen
30
25
20
15
10
16
3DOK1
3DOK4
3DOK5
3DOK7
COMPO
Strain