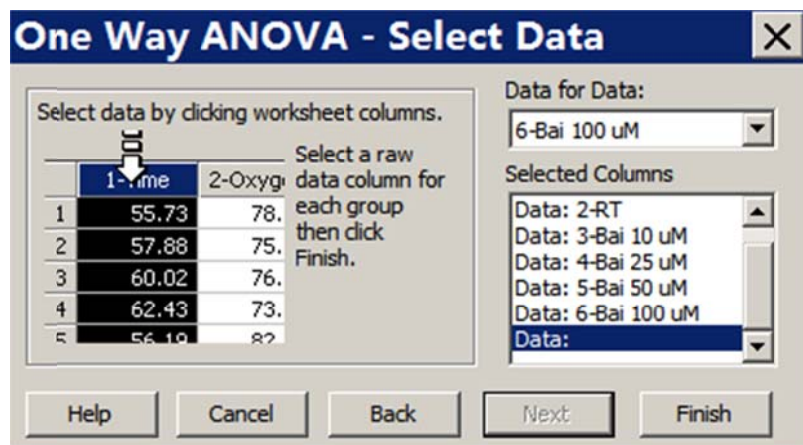
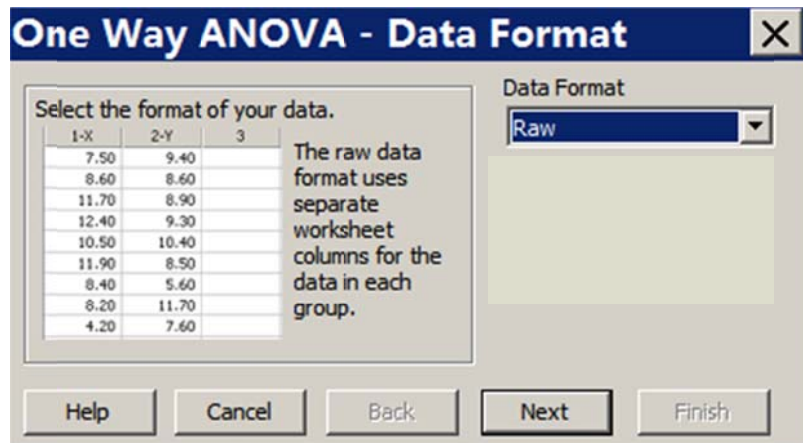
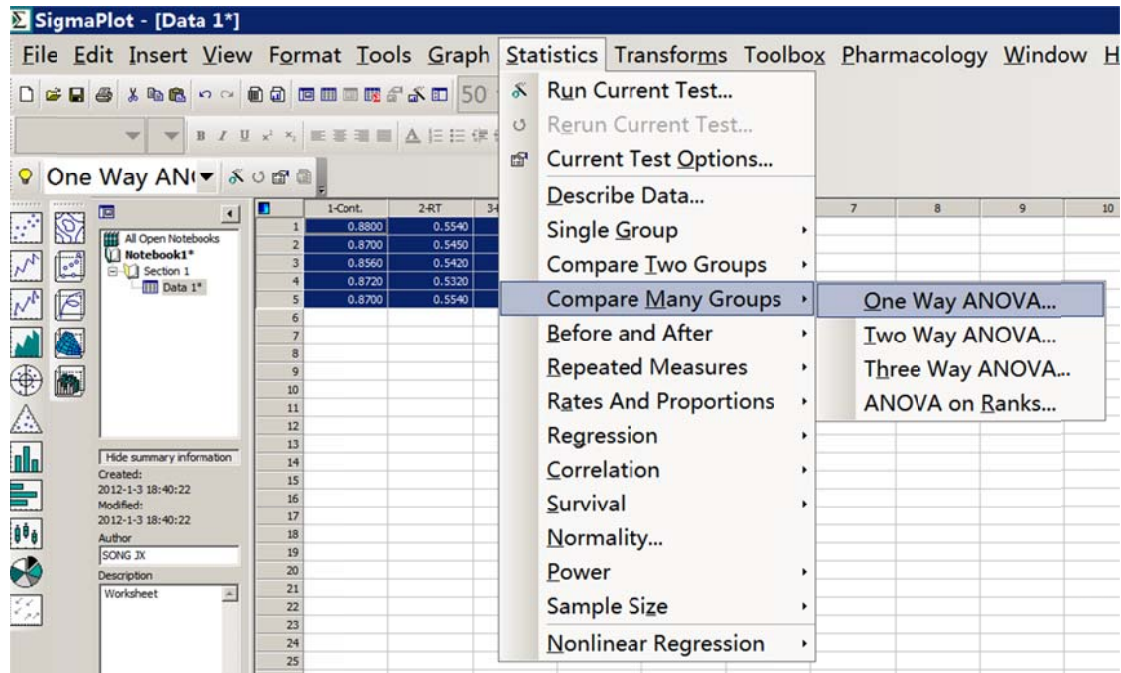


Example: Fig. 2C



Multiple Comparison Options

Treatments are significantly different:
P(Factor A) = <0.001

Select Factors to Compare
 Factor A

Suggested Test: **Student-Newman-Keuls**

Description
The SNK Test is used for all pairwise comparisons of the mean responses among the different treatment groups. The SNK Test is less conservative than the Tukey test, i.e., it is more likely to declare an observed difference statistically significant.

Comparison Type
 All Pairwise
 Versus Control

Help Cancel Back Next Finish

Data source: Data 1 in Notebook1

Normality Test (Shapiro-Wilk) Passed (P = 0.312)

Equal Variance Test: Passed (P = 0.674)

Group Name	N	Missing	Mean	Std Dev	SEM
Cont.	5	0	0.870	0.00865	0.00387
RT	5	0	0.545	0.00921	0.00412
Bai 10 uM	5	0	0.649	0.0110	0.00493
Bai 25 uM	5	0	0.915	0.0215	0.00960
Bai 50 uM	5	0	0.998	0.0137	0.00613
Bai 100 uM	5	0	1.192	0.0135	0.00605

Source of Variation	DF	SS	MS	F	P
Between Groups	5	1.379	0.276	1487.610	<0.001
Residual	24	0.00445	0.000185		
Total	29	1.384			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Student-Newman-Keuls Method):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0.050
<u>Bai 100 uM vs. RT</u>	0.646	6	106.148	<0.001	Yes
Bai 100 uM vs. Bai 10 uM	0.543	5	89.201	<0.001	Yes
Bai 100 uM vs. Cont.	0.322	4	52.910	<0.001	Yes
Bai 100 uM vs. Bai 25 uM	0.277	3	45.487	<0.001	Yes
Bai 100 uM vs. Bai 50 uM	0.194	2	31.858	<0.001	Yes
<u>Bai 50 uM vs. RT</u>	0.452	5	74.290	<0.001	Yes
Bai 50 uM vs. Bai 10 uM	0.349	4	57.344	<0.001	Yes
Bai 50 uM vs. Cont.	0.128	3	21.052	<0.001	Yes
Bai 50 uM vs. Bai 25 uM	0.0830	2	13.630	<0.001	Yes
<u>Bai 25 uM vs. RT</u>	0.369	4	60.661	<0.001	Yes
Bai 25 uM vs. Bai 10 uM	0.266	3	43.714	<0.001	Yes
Bai 25 uM vs. Cont.	0.0452	2	7.422	<0.001	Yes
<u>Cont. vs. RT</u>	0.324	3	53.238	<0.001	Yes
Cont. vs. Bai 10 uM	0.221	2	36.291	<0.001	Yes
<u>Bai 10 uM vs. RT</u>	0.103	2	16.947	<0.001	Yes

the exact P values are not provided