

**SUPPLEMENTARY MATERIAL**

**corresponding to:**

**Comparative epigenetic evaluation of human embryonic stem  
and induced pluripotent cells**

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and HOSSEIN BAHARVAND

## Int. J. Dev. Biol. Supp Fig. S1

### List of antibodies

Name	Company
Anti histone H2A antibody	Abcam58550
Anti histone H3 acetyl K9 antibody	Abcam 4441
Anti histone H3 di-methyl K9 antibody	Abcam 1220
Anti histone H3 tri-methyl K4 antibody	ChIP kit
Anti histone H3 tri-methyl K27 antibody	Abcam 6002
Donkey polyclonal secondary antibody to rabbit igG(HRP)	Abcam 16284
Goat anti mouse IgG HRP,polyclonal(HRP)	Millipore 12-349

# Int. J. Dev. Biol. Supp Fig. S2

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ONEWAY Oct4 BY Group
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05) .
    
```

## Oneway

### Notes

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[DataSet2]

### Descriptives

Oct4	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	6	.9967	.00507	.00207	.9914	1.0020	.99	1.00
dif-ESC	6	.0213	.00175	.00071	.0195	.0232	.02	.02

iPS1	6	.5756	.12509	.05107	.4444	.7069	.52	.83
HDF	6	.0213	.00175	.00071	.0195	.0232	.02	.02
iPS2	6	.9075	.04123	.01683	.8642	.9507	.87	.95
Total	30	.5045	.42937	.07839	.3442	.6648	.02	1.00

### ANOVA

ANOVA					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5.260	4	1.315	378.306	.000
Within Groups	.087	25	.003		
Total	5.346	29			

## Post Hoc Tests

### Multiple Comparisons

Oct4

Tukey HSD

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	dif-ESC	.97537*	.03404	.000	.8754	1.0753
	iPS1	.42108*	.03404	.000	.3211	.5210
	HDF	.97537*	.03404	.000	.8754	1.0753
	iPS2	.08924	.03404	.097	-.0107	.1892
dif-ESC	ESC	-.97537*	.03404	.000	-1.0753	-.8754
	iPS1	-.55429*	.03404	.000	-.6543	-.4543
	HDF	.00000	.03404	1.000	-.1000	.1000
	iPS2	-.88613*	.03404	.000	-.9861	-.7862
iPS1	ESC	-.42108*	.03404	.000	-.5210	-.3211
	dif-ESC	.55429*	.03404	.000	.4543	.6543
	HDF	.55429*	.03404	.000	.4543	.6543
	iPS2	-.33184*	.03404	.000	-.4318	-.2319
HDF	ESC	-.97537*	.03404	.000	-1.0753	-.8754
	dif-ESC	.00000	.03404	1.000	-.1000	.1000
	iPS1	-.55429*	.03404	.000	-.6543	-.4543

	iPS2		-.88613*	.03404	.000	-.9861	-.7862
iPS2	ESC		-.08924	.03404	.097	-.1892	.0107
	dif-ESC		.88613*	.03404	.000	.7862	.9861
	iPS1		.33184*	.03404	.000	.2319	.4318
	HDF		.88613*	.03404	.000	.7862	.9861

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### Oct4

Tukey HSD

Group	N	Subset for alpha = 0.05		
		1	2	3
dif-ESC	6	.0213		
HDF	6	.0213		
iPS1	6		.5756	
iPS2	6			.9075
ESC	6			.9967
Sig.		1.000	1.000	.097

Means for groups in homogeneous subsets are displayed.

## Oneway

### Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
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[DataSet3]

### Descriptives

Nanog	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					ESC	6		
dif-ESC	6	.0210	.00126	.00052	.0197	.0223	.02	.02
iPS1	6	1.4355	.33144	.13531	1.0877	1.7834	1.24	2.09
HDF	6	.0210	.00126	.00052	.0197	.0223	.02	.02
iPS2	6	.4939	.09365	.03823	.3956	.5922	.41	.58
Total	30	.5974	.59032	.10778	.3770	.8179	.02	2.09

### ANOVA

Nanog	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.316	4	2.329	73.704	.000
Within Groups	.790	25	.032		
Total	10.106	29			

### Post Hoc Tests

### Multiple Comparisons

Nanog

Tukey HSD

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	dif-ESC	.99471*	.10263	.000	.6933	1.2961
	iPS1	-.41983*	.10263	.003	-.7212	-.1184
	HDF	.99471*	.10263	.000	.6933	1.2961
	iPS2	.52181*	.10263	.000	.2204	.8232
dif-ESC	ESC	-.99471*	.10263	.000	-1.2961	-.6933
	iPS1	-1.41453*	.10263	.000	-1.7159	-1.1131
	HDF	.00000	.10263	1.000	-.3014	.3014
	iPS2	-.47290*	.10263	.001	-.7743	-.1715
iPS1	ESC	.41983*	.10263	.003	.1184	.7212
	dif-ESC	1.41453*	.10263	.000	1.1131	1.7159
	HDF	1.41453*	.10263	.000	1.1131	1.7159
	iPS2	.94163*	.10263	.000	.6402	1.2430
HDF	ESC	-.99471*	.10263	.000	-1.2961	-.6933
	dif-ESC	.00000	.10263	1.000	-.3014	.3014
	iPS1	-1.41453*	.10263	.000	-1.7159	-1.1131
	iPS2	-.47290*	.10263	.001	-.7743	-.1715
iPS2	ESC	-.52181*	.10263	.000	-.8232	-.2204
	dif-ESC	.47290*	.10263	.001	.1715	.7743
	iPS1	-.94163*	.10263	.000	-1.2430	-.6402
	HDF	.47290*	.10263	.001	.1715	.7743

\*. The mean difference is significant at the 0.05 level.

### Homogeneous Subsets

Nanog

Tukey HSD

Group	N	Subset for alpha = 0.05			
		1	2	3	4
dif-ESC	6	.0210			
HDF	6	.0210			





					Lower Bound	Upper Bound		
ESC	6	1.0160	.19847	.08103	.8077	1.2243	.83	1.20
dif-ESC	6	.0222	.00147	.00060	.0206	.0237	.02	.02
iPS1	6	1.4401	.01418	.00579	1.4252	1.4550	1.43	1.45
HDF	6	.0222	.00147	.00060	.0206	.0237	.02	.02
iPS2	6	.3083	.11317	.04620	.1895	.4271	.21	.41
Total	30	.5618	.58746	.10726	.3424	.7811	.02	1.45

### ANOVA

Sox2					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9.746	4	2.437	232.470	.000
Within Groups	.262	25	.010		
Total	10.008	29			

## Post Hoc Tests

### Multiple Comparisons

Sox2

Tukey HSD

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	dif-ESC	.99385*	.05911	.000	.8203	1.1674
	iPS1	-.42407*	.05911	.000	-.5977	-.2505
	HDF	.99385*	.05911	.000	.8203	1.1674
	iPS2	.70770*	.05911	.000	.5341	.8813
dif-ESC	ESC	-.99385*	.05911	.000	-1.1674	-.8203
	iPS1	-1.41792*	.05911	.000	-1.5915	-1.2443
	HDF	.00000	.05911	1.000	-.1736	.1736
	iPS2	-.28615*	.05911	.000	-.4597	-.1126
iPS1	ESC	.42407*	.05911	.000	.2505	.5977
	dif-ESC	1.41792*	.05911	.000	1.2443	1.5915
	HDF	1.41792*	.05911	.000	1.2443	1.5915
	iPS2	1.13177*	.05911	.000	.9582	1.3054

HDF	ESC	-1.99385*	.05911	.000	-1.1674	-.8203
	dif-ESC	.00000	.05911	1.000	-.1736	.1736
	iPS1	-1.41792*	.05911	.000	-1.5915	-1.2443
	iPS2	-.28615*	.05911	.000	-.4597	-.1126
iPS2	ESC	-.70770*	.05911	.000	-.8813	-.5341
	dif-ESC	.28615*	.05911	.000	.1126	.4597
	iPS1	-1.13177*	.05911	.000	-1.3054	-.9582
	HDF	.28615*	.05911	.000	.1126	.4597

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### Sox2

Tukey HSD

Group	N	Subset for alpha = 0.05			
		1	2	3	4
dif-ESC	6	.0222			
HDF	6	.0222			
iPS2	6		.3083		
ESC	6			1.0160	
iPS1	6				1.4401
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

**Int. J. Dev. Biol. Supp Fig. S3**

**Oneway**

```
ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
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**Notes**

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**Descriptives**

H3K9ac	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					ESC	3		
difESC	3	.3389	.00962	.00556	.3150	.3628	.33	.35
iPS1	3	8.9200	.07937	.04583	8.7228	9.1172	8.83	8.98
Fibroblast	3	1.1630	.23736	.13704	.5733	1.7526	.89	1.30
iPS2	3	4.5101	.17453	.10077	.7032	1.5703	3.8	6.2
Total	15	4.8702	5.24263	1.35364	1.9669	7.7734	.33	13.88

**ANOVA**

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	382.122	4	95.530	357.760	.000
Within Groups	2.670	10	.267		
Total	384.792	14			

**Post Hoc Tests**

**Multiple Comparisons**

H3K9ac

Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	12.45331*	.42192	.000	11.0647	13.8419
	iPS1	3.87220*	.42192	.000	2.4836	5.2608
	Fibroblast	11.62923*	.42192	.000	10.2407	13.0178
	iPS2	8.2922*	.42192	.000	10.2669	13.0440
difESC	ESC	-12.45331*	.42192	.000	-13.8419	-11.0647
	iPS1	-8.58111*	.42192	.000	-9.9697	-7.1925
	Fibroblast	-.82407	.42192	.352	-2.2126	.5645
	iPS2	-4.1611	.42192	.380	-2.1864	.5907
iPS1	ESC	-3.87220*	.42192	.000	-5.2608	-2.4836
	difESC	8.58111*	.42192	.000	7.1925	9.9697
	Fibroblast	7.75704*	.42192	.000	6.3685	9.1456
	iPS2	4.42*	.42192	.000	6.3947	9.1718
Fibroblast	ESC	-11.62923*	.42192	.000	-13.0178	-10.2407
	difESC	.82407	.42192	.352	-.5645	2.2126
	iPS1	-7.75704*	.42192	.000	-9.1456	-6.3685
	iPS2	-3.37	.42192	1.000	-1.3624	1.4148
iPS2	ESC	8.2922	.42192	.000	-13.0440	-10.2669
	difESC	-4.1611	.42192	.380	-.5907	2.1864
	iPS1	4.42	.42192	.000	-9.1718	-6.3947
	Fibroblast	-3.337	.42192	1.000	-1.4148	1.3624

\*. The mean difference is significant at the 0.05 level.

### Homogeneous Subsets

H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05		
		1	2	3
difESC	3	.3389		
iPS2	3	1.1368		
Fibroblast	3	1.1630		
iPS1	3		8.9200	
ESC	3			12.7922
Sig.		.352	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K9me2 BY B
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
    
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### Oneway

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[DataSet0]

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.2160	.07953	.04591	.0184	.4136	.14	.29
difESC	3	8.7589	.21072	.12166	8.2354	9.2824	8.61	9.00
iPS1	3	.2427	.00643	.00371	.2267	.2586	.24	.25
Fibroblast	3	6.4333	.20276	.11706	5.9297	6.9370	6.30	6.67
iPS2	3	1.2305	.30769	.17765	.4662	1.9949	.92	1.54
Total	15	3.3763	3.66996	.94758	1.3439	5.4086	.14	9.00

### ANOVA

H3K9me2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	188.188	4	47.047	1.261E3	.000
Within Groups	.373	10	.037		
Total	188.561	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-8.54289*	.15772	.000	-9.0619	-8.0238
	iPS1	-.02667	.15772	1.000	-.5457	.4924
	Fibroblast	-6.21733*	.15772	.000	-6.7364	-5.6983
	iPS2	-1.01451*	.15772	.001	-1.5336	-.4955
difESC	ESC	8.54289*	.15772	.000	8.0238	9.0619
	iPS1	8.51622*	.15772	.000	7.9972	9.0353

	Fibroblast	2.32556*	.15772	.000	1.8065	2.8446
	iPS2	7.52838*	.15772	.000	7.0093	8.0474
iPS1	ESC	.02667	.15772	1.000	-.4924	.5457
	difESC	-8.51622*	.15772	.000	-9.0353	-7.9972
	Fibroblast	-6.19067*	.15772	.000	-6.7097	-5.6716
	iPS2	-.98785*	.15772	.001	-1.5069	-.4688
Fibroblast	ESC	6.21733*	.15772	.000	5.6983	6.7364
	difESC	-2.32556*	.15772	.000	-2.8446	-1.8065
	iPS1	6.19067*	.15772	.000	5.6716	6.7097
	iPS2	5.20282*	.15772	.000	4.6838	5.7219
iPS2	ESC	1.01451*	.15772	.001	.4955	1.5336
	difESC	-7.52838*	.15772	.000	-8.0474	-7.0093
	iPS1	.98785*	.15772	.001	.4688	1.5069
	Fibroblast	-5.20282*	.15772	.000	-5.7219	-4.6838

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05			
		1	2	3	4
ESC	3	.2160			
iPS1	3	.2427			
iPS2	3		1.2305		
Fibroblast	3			6.4333	
difESC	3				8.7589
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

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	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.

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[DataSet0]

### Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.0286	.02944	.01700	-.0445	.1018	.00	.06
difESC	3	1.0367	.05686	.03283	.8954	1.1779	.99	1.10
iPS1	3	.1747	.00761	.00439	.1558	.1936	.17	.18
Fibroblast	3	.6644	.00385	.00222	.6549	.6740	.66	.67
iPS2	3	.5462	.05044	.02912	.4208	.6715	.50	.60
Total	15	.4901	.37299	.09630	.2836	.6967	.00	1.10

### ANOVA

H3K27me3					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.934	4	.484	359.928	.000
Within Groups	.013	10	.001		
Total	1.948	14			

## Post Hoc Tests

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.00805*	.02993	.000	-1.1065	-.9096
	iPS1	-.14604*	.02993	.005	-.2445	-.0476
	Fibroblast	-.63583*	.02993	.000	-.7343	-.5373
	iPS2	-.51754*	.02993	.000	-.6160	-.4190
difESC	ESC	1.00805*	.02993	.000	.9096	1.1065
	iPS1	.86201*	.02993	.000	.7635	.9605
	Fibroblast	.37222*	.02993	.000	.2737	.4707
	iPS2	.49051*	.02993	.000	.3920	.5890
iPS1	ESC	.14604*	.02993	.005	.0476	.2445
	difESC	-.86201*	.02993	.000	-.9605	-.7635
	Fibroblast	-.48978*	.02993	.000	-.5883	-.3913
	iPS2	-.37149*	.02993	.000	-.4700	-.2730
Fibroblast	ESC	.63583*	.02993	.000	.5373	.7343
	difESC	-.37222*	.02993	.000	-.4707	-.2737

	iPS1	.48978*	.02993	.000	.3913	.5883
	iPS2	.11829*	.02993	.018	.0198	.2168
iPS2	ESC	.51754*	.02993	.000	.4190	.6160
	difESC	-.49051*	.02993	.000	-.5890	-.3920
	iPS1	.37149*	.02993	.000	.2730	.4700
	Fibroblast	-.11829*	.02993	.018	-.2168	-.0198

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05				
		1	2	3	4	5
ESC	3	.0286				
iPS1	3		.1747			
iPS2	3			.5462		
Fibroblast	3				.6644	
difESC	3					1.0367
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

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ONEWAY H3K4me3 BY C
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	08-Aug-2015 14:07:15	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016



**Descriptives**

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.2415	.04065	.02347	.1405	.3425	.20	.28
difESC	3	.6422	.03672	.02120	.5510	.7334	.60	.67
iPS1	3	1.0900	.01000	.00577	1.0652	1.1148	1.08	1.10
Fibroblast	3	.4133	.01528	.00882	.3754	.4513	.40	.43
iPS2	3	.9044	.02209	.01275	.8495	.9592	.88	.92
Total	15	.6583	.32186	.08310	.4800	.8365	.20	1.10

**ANOVA**

H3K4me3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.443	4	.361	471.851	.000
Within Groups	.008	10	.001		
Total	1.450	14			

**Post Hoc Tests**

**Multiple Comparisons**

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.40072*	.02257	.000	-.4750	-.3264
	iPS1	-.84850*	.02257	.000	-.9228	-.7742
	Fibroblast	-.17184*	.02257	.000	-.2461	-.0975
	iPS2	-.66286*	.02257	.000	-.7372	-.5886
difESC	ESC	.40072*	.02257	.000	.3264	.4750
	iPS1	-.44778*	.02257	.000	-.5221	-.3735
	Fibroblast	.22889*	.02257	.000	.1546	.3032
	iPS2	-.26214*	.02257	.000	-.3364	-.1878
iPS1	ESC	.84850*	.02257	.000	.7742	.9228
	difESC	.44778*	.02257	.000	.3735	.5221
	Fibroblast	.67667*	.02257	.000	.6024	.7510
	iPS2	.18564*	.02257	.000	.1113	.2599
Fibroblast	ESC	.17184*	.02257	.000	.0975	.2461
	difESC	-.22889*	.02257	.000	-.3032	-.1546
	iPS1	-.67667*	.02257	.000	-.7510	-.6024
	iPS2	-.49103*	.02257	.000	-.5653	-.4167
iPS2	ESC	.66286*	.02257	.000	.5886	.7372
	difESC	.26214*	.02257	.000	.1878	.3364
	iPS1	-.18564*	.02257	.000	-.2599	-.1113
	Fibroblast	.49103*	.02257	.000	.4167	.5653

\*. The mean difference is significant at the 0.05 level.

**Homogeneous Subsets**

H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05				
		1	2	3	4	5
ESC	3	.2415				
Fibroblast	3		.4133			
difESC	3			.6422		
iPS2	3				.9044	
iPS1	3					1.0900
Sig.		1.000	1.000	1.000	1.000	1.000
Means for groups in homogeneous subsets are displayed.						

T-TEST PAIRS=ESCH3K4me3 WITH ESCH3K27me3 (PAIRED)  
 /CRITERIA=CI (.9500)  
 /MISSING=ANALYSIS.

T-Test

Notes

Output Created	09-Aug-2015 13:43:22		
Comments			
Input	Active Dataset	DataSet0	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File	11	
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax	T-TEST PAIRS=ESCH3K4me3 WITH ESCH3K27me3 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.		
Resources	Processor Time	00:00:00.000	
	Elapsed Time	00:00:00.000	

[DataSet0]

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K4me3	.2415	3	.04065	.02347
ESCH3K27me3	.0286	3	.02944	.01700

Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 ESCH3K4me3 & ESCH3K27me3	3	-1.000	.006

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K4me3 - ESCH3K27me3	.21288	.07010	.04047	.03875	.38701	5.260	2	.034

```
T-TEST PAIRS=difH3K4me3 WITH difH3K27me3 (PAIRED)
/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.
```

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:43:50	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=difH3K4me3 WITH difH3K27me3 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K4me3	.6422	3	.03672	.02120
difH3K27me3	1.0367	3	.05686	.03283

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K4me3 & difH3K27me3	3	.644	.555

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference			
					Lower			
Pair 1	difH3K4me3 - difH3K27me3							

				Lower	Upper				
Pair 1	diffH3K4me3 - difH3K27me3	-.39444	.04350	.02512	-.50251	-.28637	-15.704	2	.004

T-TEST PAIRS=iPS1H3K4me3 WITH iPS1H3K27me3 (PAIRED)  
 /CRITERIA=CI(.9500)  
 /MISSING=ANALYSIS.

## T-Test

### Notes

Output Created	09-Aug-2015 13:44:07	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS1H3K4me3 WITH iPS1H3K27me3 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet0]

### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS1H3K4me3	1.0900	3	.01000	.00577
	iPS1H3K27me3	.1747	3	.00761	.00439

### Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	iPS1H3K4me3 & iPS1H3K27me3	3	.995	.061

### Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K4me3 - iPS1H3K27me3	.91534	.00253	.00146	.90905	.92162	626.488	2	.000

T-TEST PAIRS=FibH3K4me3 WITH FibH3K27me3 (PAIRED)  
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.

## T-Test

### Notes

Output Created	09-Aug-2015 13:44:19	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=FibH3K4me3 WITH FibH3K27me3 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

### Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K4me3	.4133	3	.01528	.00882
FibH3K27me3	.6644	3	.00385	.00222

### Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 FibH3K4me3 & FibH3K27me3	3	.189	.879

### Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	FibH3K4me3 - FibH3K27me3	-.25111	.01503	.00868	-.28845	-.21377	-28.936	2	.001

T-TEST PAIRS=iPS2H3K4me3 WITH iPS2H3K27me3 (PAIRED)  
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.

## T-Test

**Notes**

Output Created	09-Aug-2015 13:44:40	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS2H3K4me3 WITH iPS2H3K27me3 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS2H3K4me3	.9044	3	.02209	.01275
	iPS2H3K27me3	.5462	3	.05044	.02912

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS2H3K4me3 & iPS2H3K27me3	3	.420	.724

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K4me3 - iPS2H3K27me3	.35821	.04580	.02644	.24444	.47197	13.548	2	.005

**Int. J. Dev. Biol. Supp Fig. S4**

```
ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
```

**Oneway [NANAOG]**

**Notes**

Output Created	08-Aug-2015 13:31:22	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.047
	Elapsed Time	00:00:00.032

**Descriptives**

H3K9ac	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					ESC	3		
difESC	3	.0074	.00055	.00032	.0060	.0087	.01	.01
iPS1	3	3.8000	.10000	.05774	3.5516	4.0484	3.70	3.90
Fibroblast	3	.9967	.00577	.00333	.9823	1.0110	.99	1.00
iPS2	3	2.6716	.07803	.04505	2.4778	2.8654	2.60	2.75
Total	15	2.7046	2.20053	.56817	1.4860	3.9232	.01	6.24

**ANOVA**

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	67.699	4	16.925	1.801E3	.000
Within Groups	.094	10	.009		
Total	67.793	14			

**Post Hoc Tests**

### Multiple Comparisons

H3K9ac

Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	6.03985*	.07914	.000	5.7794	6.3003
	iPS1	2.24722*	.07914	.000	1.9868	2.5077
	Fibroblast	5.05055*	.07914	.000	4.7901	5.3110
	iPS2	3.37563*	.07914	.000	3.1152	3.6361
difESC	ESC	-6.03985*	.07914	.000	-6.3003	-5.7794
	iPS1	-3.79263*	.07914	.000	-4.0531	-3.5322
	Fibroblast	-.98930*	.07914	.000	-1.2498	-.7288
	iPS2	-2.66422*	.07914	.000	-2.9247	-2.4038
iPS1	ESC	-2.24722*	.07914	.000	-2.5077	-1.9868
	difESC	3.79263*	.07914	.000	3.5322	4.0531
	Fibroblast	2.80333*	.07914	.000	2.5429	3.0638
	iPS2	1.12841*	.07914	.000	.8679	1.3889
Fibroblast	ESC	-5.05055*	.07914	.000	-5.3110	-4.7901
	difESC	.98930*	.07914	.000	.7288	1.2498
	iPS1	-2.80333*	.07914	.000	-3.0638	-2.5429
	iPS2	-1.67492*	.07914	.000	-1.9354	-1.4145
iPS2	ESC	-3.37563*	.07914	.000	-3.6361	-3.1152
	difESC	2.66422*	.07914	.000	2.4038	2.9247
	iPS1	-1.12841*	.07914	.000	-1.3889	-.8679
	Fibroblast	1.67492*	.07914	.000	1.4145	1.9354

\*. The mean difference is significant at the 0.05 level.

### Homogeneous Subsets

H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05				
		1	2	3	4	5
difESC	3	.0074				
Fibroblast	3		.9967			
iPS2	3			2.6716		
iPS1	3				3.8000	
ESC	3					6.0472
Sig.		1.000	1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

--	--	--	--	--	--

```

ONEWAY H3K9me2 BY B
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
    
```

### Oneway

Notes



Output Created	08-Aug-2015 13:36:28	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet0]

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	3.1000	.10000	.05774	2.8516	3.3484	3.00	3.20
difESC	3	4.5076	.18877	.10899	4.0386	4.9765	4.32	4.70
iPS1	3	1.8743	.10364	.05984	1.6168	2.1317	1.79	1.99
Fibroblast	3	4.0333	.15275	.08819	3.6539	4.4128	3.90	4.20
iPS2	3	1.9119	.07727	.04461	1.7199	2.1038	1.86	2.00
Total	15	3.0854	1.11699	.28840	2.4668	3.7040	1.79	4.70

### ANOVA

H3K9me2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17.296	4	4.324	252.331	.000
Within Groups	.171	10	.017		
Total	17.467	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.40756*	.10688	.000	-1.7593	-1.0558
	iPS1	1.22572*	.10688	.000	.8740	1.5775

	Fibroblast	-.93333*	.10688	.000	-1.2851	-.5816
	iPS2	1.18812*	.10688	.000	.8364	1.5399
difESC	ESC	1.40756*	.10688	.000	1.0558	1.7593
	iPS1	2.63328*	.10688	.000	2.2815	2.9850
	Fibroblast	.47423*	.10688	.009	.1225	.8260
	iPS2	2.59568*	.10688	.000	2.2439	2.9474
iPS1	ESC	-1.22572*	.10688	.000	-1.5775	-.8740
	difESC	-2.63328*	.10688	.000	-2.9850	-2.2815
	Fibroblast	-2.15905*	.10688	.000	-2.5108	-1.8073
	iPS2	-.03761	.10688	.996	-.3894	.3142
Fibroblast	ESC	.93333*	.10688	.000	.5816	1.2851
	difESC	-.47423	.10688	.009	-.8260	-.1225
	iPS1	2.15905*	.10688	.000	1.8073	2.5108
	iPS2	2.12145*	.10688	.000	1.7697	2.4732
iPS2	ESC	-1.18812*	.10688	.000	-1.5399	-.8364
	difESC	-2.59568*	.10688	.000	-2.9474	-2.2439
	iPS1	.03761	.10688	.996	-.3142	.3894
	Fibroblast	-2.12145*	.10688	.000	-2.4732	-1.7697

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05			
		1	2	3	4
iPS1	3	1.8743			
iPS2	3	1.9119			
ESC	3		3.1000		
Fibroblast	3			4.0333	
difESC	3				4.5076
Sig.		.996	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	08-Aug-2015 13:40:39	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.016

[DataSet0]

### Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	2.4439	.05111	.02951	2.3169	2.5708	2.40	2.50
difESC	3	1.1667	.15275	.08819	.7872	1.5461	1.00	1.30
iPS1	3	2.1333	.15275	.08819	1.7539	2.5128	2.00	2.30
Fibroblast	3	.0860	.00400	.00231	.0761	.0959	.08	.09
iPS2	3	3.4149	.07866	.04542	3.2195	3.6103	3.34	3.50
Total	15	1.8490	1.17998	.30467	1.1955	2.5024	.08	3.50

### ANOVA

H3K4me3	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	19.382	4	4.845	436.666	.000
Within Groups	.111	10	.011		
Total	19.493	14			

### Post Hoc Tests

#### Multiple Comparisons

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	1.27721*	.08601	.000	.9941	1.5603
	iPS1	.31055*	.08601	.030	.0275	.5936
	Fibroblast	2.35788*	.08601	.000	2.0748	2.6409
	iPS2	-.97106*	.08601	.000	-1.2541	-.6880
difESC	ESC	-1.27721*	.08601	.000	-1.5603	-.9941
	iPS1	-.96667*	.08601	.000	-1.2497	-.6836
	Fibroblast	1.08067*	.08601	.000	.7976	1.3637
	iPS2	-2.24827*	.08601	.000	-2.5313	-1.9652

iPS1	ESC	-.31055*	.08601	.030	-.5936	-.0275
	difESC	.96667*	.08601	.000	.6836	1.2497
	Fibroblast	2.04733	.08601	.000	1.7643	2.3304
	iPS2	-1.28161*	.08601	.000	-1.5647	-.9985
Fibroblast	ESC	-2.35788*	.08601	.000	-2.6409	-2.0748
	difESC	-1.08067*	.08601	.000	-1.3637	-.7976
	iPS1	-2.04733	.08601	.000	-2.3304	-1.7643
	iPS2	-3.32894*	.08601	.000	-3.6120	-3.0459
iPS2	ESC	.97106	.08601	.000	.6880	1.2541
	difESC	2.24827*	.08601	.000	1.9652	2.5313
	iPS1	1.28161*	.08601	.000	.9985	1.5647
	Fibroblast	3.32894*	.08601	.000	3.0459	3.6120

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05				
		1	2	3	4	5
Fibroblast	3	.0860				
difESC	3		1.1667			
iPS1	3			2.1333		
ESC	3				2.4439	
iPS2	3					3.4149
Sig.		1.000	1.000	1.000	1.000	1.000
Means for groups in homogeneous subsets are displayed.						

```

ONEWAY H3K27me3 BY D
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC= TUKEY ALPHA(0.05) .

```

## Oneway

### Notes

Output Created	08-Aug-2015 13:41:12		
Comments			
Input	Active Dataset	DataSet0	
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	Weight	<none>	
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	N of Rows in Working Data File	15	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.	

Syntax	ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.015

[DataSet0]

### Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	1.2991	.03128	.01806	1.2214	1.3769	1.27	1.33
difESC	3	1.8000	.10000	.05774	1.5516	2.0484	1.70	1.90
iPS1	3	.7161	.02937	.01696	.6431	.7891	.70	.75
Fibroblast	3	2.9000	.10000	.05774	2.6516	3.1484	2.80	3.00
iPS2	3	.9758	.02659	.01535	.9097	1.0418	.95	1.00
Total	15	1.5382	.80010	.20658	1.0951	1.9813	.70	3.00

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.917	4	2.229	494.330	.000
Within Groups	.045	10	.005		
Total	8.962	14			

## Post Hoc Tests

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.50085*	.05483	.000	-.6813	-.3204
	iPS1	.58305*	.05483	.000	.4026	.7635
	Fibroblast	-1.60085*	.05483	.000	-1.7813	-1.4204
	iPS2	.32338*	.05483	.001	.1429	.5038
difESC	ESC	.50085*	.05483	.000	.3204	.6813
	iPS1	1.08390*	.05483	.000	.9034	1.2644
	Fibroblast	-1.10000*	.05483	.000	-1.2805	-.9195
	iPS2	.82423*	.05483	.000	.6438	1.0047
iPS1	ESC	-.58305*	.05483	.000	-.7635	-.4026
	difESC	-1.08390*	.05483	.000	-1.2644	-.9034
	Fibroblast	-2.18390*	.05483	.000	-2.3644	-2.0034
	iPS2	-.25967*	.05483	.006	-.4401	-.0792
Fibroblast	ESC	1.60085*	.05483	.000	1.4204	1.7813

	difESC	1.10000*	.05483	.000	.9195	1.2805
	iPS1	2.18390*	.05483	.000	2.0034	2.3644
	iPS2	1.92423*	.05483	.000	1.7438	2.1047
iPS2	ESC	-.32338*	.05483	.001	-.5038	-.1429
	difESC	-.82423*	.05483	.000	-1.0047	-.6438
	iPS1	.25967*	.05483	.006	.0792	.4401
	Fibroblast	-1.92423*	.05483	.000	-2.1047	-1.7438

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05				
		1	2	3	4	5
iPS1	3	.7161				
iPS2	3		.9758			
ESC	3			1.2991		
difESC	3				1.8000	
Fibroblast	3					2.9000
Sig.		1.000	1.000	1.000	1.000	1.000
Means for groups in homogeneous subsets are displayed.						

Your trial period for SPSS for Windows will expire in 14 days.

Your trial period for SPSS for Windows will expire in 14 days.

```
T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)
/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.
```

## T-Test NANOG

### Notes

Output Created	09-Aug-2015 12:57:11	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000

**Notes**

Output Created	09-Aug-2015 12:57:11	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K9ac	6.0472	3	.17565	.10141
ESCH3K9me2	3.1000	3	.10000	.05774

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 ESCH3K9ac & ESCH3K9me2	3	-.688	.517

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	2.94722	.25499	.14722	2.31379	3.58064	20.019	2	.002

T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 12:59:32	
Comments		
Input	Active Dataset	DataSet0

	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax		T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time		00:00:00.031
	Elapsed Time		00:00:00.015

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	.0074	3	.00055	.00032
difH3K9me2	4.5076	3	.18877	.10899

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	.837	.369

**Paired Samples Test**

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 difH3K9ac - difH3K9me2	-4.50020	.18831	.10872	-4.96798	-4.03241	-41.392	2	.001

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 12:59:49
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11



Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS1H3K9ac	3.8000	3	.10000	.05774
iPS1H3K9me2	1.8743	3	.10364	.05984

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 iPS1H3K9ac & iPS1H3K9me2	3	.255	.836

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	1.92572	.12433	.07178	1.61687	2.23457	26.827	2	.001

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:00:07
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.

Cases Used		Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.046
	Elapsed Time	00:00:00.031

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	.9967	3	.00577	.00333
FibH3K9me2	4.0333	3	.15275	.08819

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	.756	.454

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	FibH3K9ac - FibH3K9me2	-3.03667	.14844	.08570	-3.40540	-2.66793	-35.434	2	.001

```
T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED)
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.
```

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:00:36	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.

Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.		
Resources	Processor Time	00:00:00.000	
	Elapsed Time	00:00:00.000	

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS2H3K9ac	2.6716	3	.07803	.04505
iPS2H3K9me2	1.9119	3	.07727	.04461

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 iPS2H3K9ac & iPS2H3K9me2	3	-.283	.817

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	.75970	.12440	.07182	.45068	1.06873	10.577	2	.009

Your trial period for SPSS for Windows will expire in 14 days.

```

ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).

```

**Oneway OCT4**

**Notes**

Output Created	08-Aug-2015 14:36:27	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Cases Used		Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet0]

### Descriptives

H3K9ac	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					ESC	3		
difESC	3	.0090	.00020	.00012	.0085	.0095	.01	.01
iPS1	3	8.2367	.24705	.14263	7.6230	8.8504	8.01	8.50
Fibroblast	3	.9233	.04933	.02848	.8008	1.0459	.89	.98
iPS2	3	2.4767	.07572	.04372	2.5586	2.9348	2.66	2.80
Total	15	4.0071	4.00198	1.03331	1.7909	6.2234	.01	9.46

### ANOVA

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	223.905	4	55.976	1.767E3	.000
Within Groups	.317	10	.032		
Total	224.222	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9ac

Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	9.11100*	.14533	.000	8.6327	9.5893
	iPS1	.88333*	.14533	.001	.4050	1.3616
	Fibroblast	8.19667*	.14533	.000	7.7184	8.6750
	iPS2	7.37333*	.14533	.000	6.8950	7.8516
difESC	ESC	-9.11100*	.14533	.000	-9.5893	-8.6327
	iPS1	-8.22767*	.14533	.000	-8.7060	-7.7494
	Fibroblast	-.91433*	.14533	.001	-1.3926	-.4360
	iPS2	-1.73767*	.14533	.000	-2.2160	-1.2594
iPS1	ESC	-.88333*	.14533	.001	-1.3616	-.4050
	difESC	8.22767*	.14533	.000	7.7494	8.7060

	Fibroblast	7.31333*	.14533	.000	6.8350	7.7916
	iPS2	6.49000*	.14533	.000	6.0117	6.9683
Fibroblast	ESC	-8.19667*	.14533	.000	-8.6750	-7.7184
	difESC	.91433*	.14533	.001	.4360	1.3926
	iPS1	-7.31333*	.14533	.000	-7.7916	-6.8350
	iPS2	-.82333	.14533	.002	-1.3016	-.3450
iPS2	ESC	-7.37333*	.14533	.000	-7.8516	-6.8950
	difESC	1.73767*	.14533	.000	1.2594	2.2160
	iPS1	-6.49000*	.14533	.000	-6.9683	-6.0117
	Fibroblast	.82333*	.14533	.002	.3450	1.3016

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05				
		1	2	3	4	5
difESC	3	.0090				
Fibroblast	3		.9233			
iPS2	3			1.7467		
iPS1	3				8.2367	
ESC	3					9.1200
Sig.		1.000	1.000	1.000	1.000	1.000
Means for groups in homogeneous subsets are displayed.						

```

ONEWAY H3K9me2 BY B
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	08-Aug-2015 14:36:52	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	

Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet0]

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	1.8300	.06083	.03512	1.6789	1.9811	1.79	1.90
difESC	3	3.0333	.15275	.08819	2.6539	3.4128	2.90	3.20
iPS1	3	1.6667	.11547	.06667	1.3798	1.9535	1.60	1.80
Fibroblast	3	4.0333	.15275	.08819	3.6539	4.4128	3.90	4.20
iPS2	3	1.9267	.06429	.03712	1.7670	2.0864	1.88	2.00
Total	15	2.4980	.94334	.24357	1.9756	3.0204	1.60	4.20

### ANOVA

H3K9me2	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	12.323	4	3.081	227.078	.000
Within Groups	.136	10	.014		
Total	12.458	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.20333*	.09510	.000	-1.5163	-.8903
	iPS1	.16333	.09510	.466	-.1497	.4763
	Fibroblast	-2.20333*	.09510	.000	-2.5163	-1.8903
	iPS2	-.09667	.09510	.842	-.4097	.2163
difESC	ESC	1.20333*	.09510	.000	.8903	1.5163
	iPS1	1.36667*	.09510	.000	1.0537	1.6797
	Fibroblast	-1.00000*	.09510	.000	-1.3130	-.6870
	iPS2	1.10667*	.09510	.000	.7937	1.4197
iPS1	ESC	-.16333	.09510	.466	-.4763	.1497
	difESC	-1.36667*	.09510	.000	-1.6797	-1.0537
	Fibroblast	-2.36667*	.09510	.000	-2.6797	-2.0537
	iPS2	-.26000	.09510	.118	-.5730	.0530
Fibroblast	ESC	2.20333*	.09510	.000	1.8903	2.5163
	difESC	1.00000*	.09510	.000	.6870	1.3130
	iPS1	2.36667*	.09510	.000	2.0537	2.6797
	iPS2	2.10667*	.09510	.000	1.7937	2.4197
iPS2	ESC	.09667	.09510	.842	-.2163	.4097

difESC	-1.10667*	.09510	.000	-1.4197	-.7937
iPS1	.26000	.09510	.118	-.0530	.5730
Fibroblast	-2.10667*	.09510	.000	-2.4197	-1.7937

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05		
		1	2	3
iPS1	3	1.6667		
ESC	3	1.8300		
iPS2	3	1.9267		
difESC	3		3.0333	
Fibroblast	3			4.0333
Sig.		.118	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	08-Aug-2015 14:37:23	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.017

[DataSet0]

## Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.3933	.03055	.01764	.3174	.4692	.36	.42
difESC	3	.6100	.02646	.01528	.5443	.6757	.58	.63
iPS1	3	.3300	.02646	.01528	.2643	.3957	.30	.35
Fibroblast	3	.0860	.00400	.00231	.0761	.0959	.08	.09
iPS2	3	.4033	.01528	.00882	.3654	.4413	.39	.42
Total	15	.3645	.17510	.04521	.2676	.4615	.08	.63

### ANOVA

H3K4me3					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.424	4	.106	205.256	.000
Within Groups	.005	10	.001		
Total	.429	14			

## Post Hoc Tests

### Multiple Comparisons

H3K4me3  
Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.21667*	.01856	.000	-.2777	-.1556
	iPS1	.06333*	.01856	.041	.0023	.1244
	Fibroblast	.30733*	.01856	.000	.2463	.3684
	iPS2	-.01000	.01856	.981	-.0711	.0511
difESC	ESC	.21667*	.01856	.000	.1556	.2777
	iPS1	.28000*	.01856	.000	.2189	.3411
	Fibroblast	.52400*	.01856	.000	.4629	.5851
	iPS2	.20667*	.01856	.000	.1456	.2677
iPS1	ESC	-.06333*	.01856	.041	-.1244	-.0023
	difESC	-.28000*	.01856	.000	-.3411	-.2189
	Fibroblast	.24400*	.01856	.000	.1829	.3051
	iPS2	-.07333*	.01856	.018	-.1344	-.0123
Fibroblast	ESC	-.30733*	.01856	.000	-.3684	-.2463
	difESC	-.52400*	.01856	.000	-.5851	-.4629
	iPS1	-.24400*	.01856	.000	-.3051	-.1829
	iPS2	-.31733*	.01856	.000	-.3784	-.2563
iPS2	ESC	.01000	.01856	.981	-.0511	.0711
	difESC	-.20667*	.01856	.000	-.2677	-.1456
	iPS1	.07333*	.01856	.018	.0123	.1344
	Fibroblast	.31733*	.01856	.000	.2563	.3784

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets



H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05			
		1	2	3	4
Fibroblast	3	.0860			
iPS1	3		.3300		
ESC	3			.3933	
iPS2	3			.4033	
difESC	3				.6100
Sig.		1.000	1.000	.981	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

Oneway

Notes

Output Created	08-Aug-2015 14:37:52	
Comments		
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	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet0]

Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.1137	.01185	.00684	.0842	.1431	.10	.12
difESC	3	.5533	.05033	.02906	.4283	.6784	.50	.60
iPS1	3	.1433	.00577	.00333	.1290	.1577	.14	.15
Fibroblast	3	1.4100	.08544	.04933	1.1978	1.6222	1.33	1.50
iPS2	3	.3000	.02000	.01155	.2503	.3497	.28	.32
Total	15	.5041	.49734	.12841	.2287	.7795	.10	1.50

**ANOVA**

H3K27me3					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.442	4	.860	413.421	.000
Within Groups	.021	10	.002		
Total	3.463	14			

**Post Hoc Tests**

**Multiple Comparisons**

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.43967*	.03725	.000	-.5623	-.3171
	iPS1	-.02967	.03725	.926	-.1523	.0929
	Fibroblast	-1.29633*	.03725	.000	-1.4189	-1.1737
	iPS2	-.18633*	.03725	.004	-.3089	-.0637
difESC	ESC	.43967*	.03725	.000	.3171	.5623
	iPS1	.41000*	.03725	.000	.2874	.5326
	Fibroblast	-.85667*	.03725	.000	-.9793	-.7341
	iPS2	.25333*	.03725	.000	.1307	.3759
iPS1	ESC	.02967	.03725	.926	-.0929	.1523
	difESC	-.41000*	.03725	.000	-.5326	-.2874
	Fibroblast	-1.26667*	.03725	.000	-1.3893	-1.1441
	iPS2	-.15667*	.03725	.012	-.2793	-.0341
Fibroblast	ESC	1.29633*	.03725	.000	1.1737	1.4189
	difESC	.85667*	.03725	.000	.7341	.9793
	iPS1	1.26667*	.03725	.000	1.1441	1.3893
	iPS2	1.11000*	.03725	.000	.9874	1.2326
iPS2	ESC	.18633*	.03725	.004	.0637	.3089
	difESC	-.25333*	.03725	.000	-.3759	-.1307
	iPS1	.15667*	.03725	.012	.0341	.2793
	Fibroblast	-1.11000*	.03725	.000	-1.2326	-.9874

\*. The mean difference is significant at the 0.05 level.

**Homogeneous Subsets**

**H3K27me3**

Tukey HSD

D	N	Subset for alpha = 0.05			
		1	2	3	4
ESC	3	.1137			
iPS1	3	.1433			
iPS2	3		.3000		
difESC	3			.5533	

Fibroblast	3				1.4100
Sig.		.926	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Your trial period for SPSS for Windows will expire in 14 days.

```
T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.
```

## T-Test OCT4

### Notes

Output Created	09-Aug-2015 13:05:19	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

### Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K9ac	9.1200	3	.29866	.17243
ESCH3K9me2	1.8300	3	.06083	.03512

### Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 ESCH3K9ac & ESCH3K9me2	3	-.699	.507

### Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	7.29000	.34395	.19858	6.43559	8.14441	36.711	2	.001

```
T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)
/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.
```

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:05:38	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	.0090	3	.00020	.00012
difH3K9me2	3.0333	3	.15275	.08819

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	.655	.546

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference			
					Lower			
Pair 1	difH3K9ac - difH3K9me2							

					Lower	Upper			
Pair 1	difH3K9ac - difH3K9me2	-3.02433	.15262	.08812	-3.40347	-2.64520	-34.322	2	.001

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
 /CRITERIA=CI (.9500)  
 /MISSING=ANALYSIS.

## T-Test

### Notes

Output Created	09-Aug-2015 13:05:51	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

### Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS1H3K9ac	8.2367	3	.24705	.14263
iPS1H3K9me2	1.6667	3	.11547	.06667

### Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 iPS1H3K9ac & iPS1H3K9me2	3	-.795	.415

### Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	6.57000	.34598	.19975	5.71055	7.42945	32.891	2	.001

T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED)  
 /CRITERIA=CI(.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:06:28		
Comments			
Input	Active Dataset	DataSet0	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File	11	
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax	T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.		
Resources	Processor Time	00:00:00.000	
	Elapsed Time	00:00:00.000	

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	.9233	3	.04933	.02848
FibH3K9me2	4.0333	3	.15275	.08819

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	-.818	.390

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	FibH3K9ac - FibH3K9me2	-3.11000	.19519	.11269	-3.59488	-2.62512	-27.597	2	.001

T-TEST PAIRS=ips2H3K9ac WITH ips2H3K9me2 (PAIRED)  
 /CRITERIA=CI(.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:06:42	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS2H3K9ac	1.7467	3	.07572	.04372
	iPS2H3K9me2	1.9267	3	.06429	.03712

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS2H3K9ac & iPS2H3K9me2	3	.726	.483

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	-.18000	.05292	.03055	-.31145	-.04855	-5.892	2	.028

Your trial period for SPSS for Windows will expire in 14 days.

```

ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05) .
    
```

## Oneway SOX2

### Notes

Output Created	08-Aug-2015 14:56:58	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.016

[DataSet0]

### Descriptives

H3K9ac	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	9.5000	.50000	.28868	8.2579	10.7421	9.00	10.00
difESC	3	.4000	.10000	.05774	.1516	.6484	.30	.50
iPS1	3	8.2367	.24705	.14263	7.6230	8.8504	8.01	8.50
Fibroblast	3	.9233	.04933	.02848	.8008	1.0459	.89	.98
iPS2	3	2.4950	.04583	.02646	2.8362	2.3638	2.90	21.99
Total	15	4.0020	4.14414	1.07001	1.7071	6.2969	.30	10.00

### ANOVA

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	239.783	4	59.946	920.638	.000
Within Groups	.651	10	.065		
Total	240.434	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9ac  
Tukey HSD



(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	9.10000*	.20835	.000	8.4143	9.7857
	iPS1	1.26333*	.20835	.001	.5776	1.9490
	Fibroblast	8.57667*	.20835	.000	7.8910	9.2624
	iPS2	6.55000*	.20835	.000	7.8643	9.2357
difESC	ESC	-9.10000*	.20835	.000	-9.7857	-8.4143
	iPS1	-7.83667*	.20835	.000	-8.5224	-7.1510
	Fibroblast	-2.0553	.20835	.164	-1.2090	.1624
	iPS2	-1.5553	.20835	.135	-1.2357	.1357
iPS1	ESC	-1.26333*	.20835	.001	-1.9490	-.5776
	difESC	7.83667*	.20835	.000	7.1510	8.5224
	Fibroblast	7.31333*	.20835	.000	6.6276	7.9990
	iPS2	6.28667*	.20835	.000	6.6010	7.9724
Fibroblast	ESC	-8.57667*	.20835	.000	-9.2624	-7.8910
	difESC	.52333	.20835	.164	-.1624	1.2090
	iPS1	-7.31333*	.20835	.000	-7.9990	-6.6276
	iPS2	-2.02667*	.20835	1.000	-.7124	.6590
iPS2	ESC	6.55000*	.20835	.000	-9.2357	-7.8643
	difESC	-1.5553*	.20835	.135	-.1357	1.2357
	iPS1	6.28667*	.20835	.000	-7.9724	-6.6010
	Fibroblast	-2.02667*	.20835	1.000	-.6590	.7124

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05		
		1	2	3
difESC	3	.4000		
Fibroblast	3	.9233		
iPS2	3	.9500		
iPS1	3		8.2367	
ESC	3			9.5000
Sig.		.135	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K9me2 BY B
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05) .

```

## Oneway

### Notes

Output Created	08-Aug-2015 14:57:52	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.	
Syntax		ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time		00:00:00.000
	Elapsed Time		00:00:00.015

[DataSet0]

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.9000	.10000	.05774	.6516	1.1484	.80	1.00
difESC	3	1.9600	.05292	.03055	1.8286	2.0914	1.90	2.00
iPS1	3	.6900	.08544	.04933	.4778	.9022	.60	.77
Fibroblast	3	4.0333	.15275	.08819	3.6539	4.4128	3.90	4.20
iPS2	3	.4400	.01000	.00577	.4152	.4648	.43	.45
Total	15	1.6047	1.36878	.35342	.8467	2.3627	.43	4.20

### ANOVA

H3K9me2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	26.143	4	6.536	750.658	.000
Within Groups	.087	10	.009		
Total	26.230	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.06000*	.07619	.000	-1.3107	-.8093
	iPS1	.21000	.07619	.114	-.0407	.4607
	Fibroblast	-3.13333*	.07619	.000	-3.3841	-2.8826
	iPS2	.46000*	.07619	.001	.2093	.7107
difESC	ESC	1.06000*	.07619	.000	.8093	1.3107
	iPS1	1.27000*	.07619	.000	1.0193	1.5207

	Fibroblast	-2.07333*	.07619	.000	-2.3241	-1.8226
	iPS2	1.52000*	.07619	.000	1.2693	1.7707
iPS1	ESC	-.21000	.07619	.114	-.4607	.0407
	difESC	-1.27000*	.07619	.000	-1.5207	-1.0193
	Fibroblast	-3.34333*	.07619	.000	-3.5941	-3.0926
	iPS2	.25000	.07619	.051	-.0007	.5007
Fibroblast	ESC	3.13333*	.07619	.000	2.8826	3.3841
	difESC	2.07333*	.07619	.000	1.8226	2.3241
	iPS1	3.34333*	.07619	.000	3.0926	3.5941
	iPS2	3.59333*	.07619	.000	3.3426	3.8441
iPS2	ESC	-.46000*	.07619	.001	-.7107	-.2093
	difESC	-1.52000*	.07619	.000	-1.7707	-1.2693
	iPS1	-.25000	.07619	.051	-.5007	.0007
	Fibroblast	-3.59333*	.07619	.000	-3.8441	-3.3426

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05			
		1	2	3	4
iPS2	3	.4400			
iPS1	3	.6900	.6900		
ESC	3		.9000		
difESC	3			1.9600	
Fibroblast	3				4.0333
Sig.		.051	.114	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC= TUKEY ALPHA(0.05) .

```

## Oneway

### Notes

Output Created		08-Aug-2015 14:58:28
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.

Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016

[DataSet0]

### Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	1.3433	.06658	.03844	1.1779	1.5087	1.27	1.40
difESC	3	.7500	.05000	.02887	.6258	.8742	.70	.80
iPS1	3	1.2000	.20000	.11547	.7032	1.6968	1.00	1.40
Fibroblast	3	.0860	.00400	.00231	.0761	.0959	.08	.09
iPS2	3	.6833	.07638	.04410	.4936	.8731	.60	.75
Total	15	.8125	.46649	.12045	.5542	1.0709	.08	1.40

### ANOVA

H3K4me3	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.941	4	.735	69.649	.000
Within Groups	.106	10	.011		
Total	3.047	14			

## Post Hoc Tests

### Multiple Comparisons

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.59333*	.08389	.000	.3172	.8694
	iPS1	.14333	.08389	.471	-.1328	.4194
	Fibroblast	1.25733*	.08389	.000	.9812	1.5334
	iPS2	.66000*	.08389	.000	.3839	.9361
difESC	ESC	-.59333*	.08389	.000	-.8694	-.3172
	iPS1	-.45000*	.08389	.002	-.7261	-.1739
	Fibroblast	.66400*	.08389	.000	.3879	.9401
	iPS2	.06667	.08389	.926	-.2094	.3428
iPS1	ESC	-.14333	.08389	.471	-.4194	.1328
	difESC	.45000*	.08389	.002	.1739	.7261
	Fibroblast	1.11400*	.08389	.000	.8379	1.3901
	iPS2	.51667*	.08389	.001	.2406	.7928
Fibroblast	ESC	-1.25733*	.08389	.000	-1.5334	-.9812

	difESC	-.66400*	.08389	.000	-.9401	-.3879
	iPS1	-1.11400*	.08389	.000	-1.3901	-.8379
	iPS2	-.59733*	.08389	.000	-.8734	-.3212
iPS2	ESC	-.66000*	.08389	.000	-.9361	-.3839
	difESC	-.06667	.08389	.926	-.3428	.2094
	iPS1	-.51667*	.08389	.001	-.7928	-.2406
	Fibroblast	.59733*	.08389	.000	.3212	.8734

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05		
		1	2	3
Fibroblast	3	.0860		
iPS2	3		.6833	
difESC	3		.7500	
iPS1	3			1.2000
ESC	3			1.3433
Sig.		1.000	.926	.471

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	08-Aug-2015 14:59:42	
Comments		
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	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.017

## Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.0028	.00040	.00023	.0018	.0038	.00	.00
difESC	3	1.5667	.15275	.08819	1.1872	1.9461	1.40	1.70
iPS1	3	.5567	.05132	.02963	.4292	.6841	.50	.60
Fibroblast	3	1.4100	.08544	.04933	1.1978	1.6222	1.33	1.50
iPS2	3	.0203	.00153	.00088	.0165	.0241	.02	.02
Total	15	.7113	.69364	.17910	.3272	1.0954	.00	1.70

## ANOVA

H3K27me3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6.669	4	1.667	250.582	.000
Within Groups	.067	10	.007		
Total	6.736	14			

## Post Hoc Tests

## Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.56383*	.06660	.000	-1.7830	-1.3446
	iPS1	-.55383*	.06660	.000	-.7730	-.3346
	Fibroblast	-1.40717*	.06660	.000	-1.6264	-1.1880
	iPS2	-.01750	.06660	.999	-.2367	.2017
difESC	ESC	1.56383*	.06660	.000	1.3446	1.7830
	iPS1	1.01000*	.06660	.000	.7908	1.2292
	Fibroblast	.15667	.06660	.206	-.0625	.3759
	iPS2	1.54633*	.06660	.000	1.3271	1.7655
iPS1	ESC	.55383*	.06660	.000	.3346	.7730
	difESC	-1.01000*	.06660	.000	-1.2292	-.7908
	Fibroblast	-.85333*	.06660	.000	-1.0725	-.6341
	iPS2	.53633*	.06660	.000	.3171	.7555
Fibroblast	ESC	1.40717*	.06660	.000	1.1880	1.6264
	difESC	-.15667	.06660	.206	-.3759	.0625
	iPS1	.85333*	.06660	.000	.6341	1.0725
	iPS2	1.38967*	.06660	.000	1.1705	1.6089
iPS2	ESC	.01750	.06660	.999	-.2017	.2367
	difESC	-1.54633*	.06660	.000	-1.7655	-1.3271
	iPS1	-.53633*	.06660	.000	-.7555	-.3171
	Fibroblast	-1.38967*	.06660	.000	-1.6089	-1.1705

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.56383*	.06660	.000	-1.7830	-1.3446
	iPS1	-.55383*	.06660	.000	-.7730	-.3346
	Fibroblast	-1.40717*	.06660	.000	-1.6264	-1.1880
	iPS2	-.01750	.06660	.999	-.2367	.2017
difESC	ESC	1.56383*	.06660	.000	1.3446	1.7830
	iPS1	1.01000*	.06660	.000	.7908	1.2292
	Fibroblast	.15667	.06660	.206	-.0625	.3759
	iPS2	1.54633*	.06660	.000	1.3271	1.7655
iPS1	ESC	.55383*	.06660	.000	.3346	.7730
	difESC	-1.01000*	.06660	.000	-1.2292	-.7908
	Fibroblast	-.85333*	.06660	.000	-1.0725	-.6341
	iPS2	.53633*	.06660	.000	.3171	.7555
Fibroblast	ESC	1.40717*	.06660	.000	1.1880	1.6264
	difESC	-.15667	.06660	.206	-.3759	.0625
	iPS1	.85333*	.06660	.000	.6341	1.0725
	iPS2	1.38967*	.06660	.000	1.1705	1.6089
iPS2	ESC	.01750	.06660	.999	-.2017	.2367
	difESC	-1.54633*	.06660	.000	-1.7655	-1.3271
	iPS1	-.53633*	.06660	.000	-.7555	-.3171
	Fibroblast	-1.38967*	.06660	.000	-1.6089	-1.1705

\*. The mean difference is significant at the 0.05 level.

### Homogeneous Subsets

H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05		
		1	2	3
ESC	3	.0028		
iPS2	3	.0203		
iPS1	3		.5567	
Fibroblast	3			1.4100
difESC	3			1.5667
Sig.		.999	1.000	.206

Means for groups in homogeneous subsets are displayed.

SAVE OUTFILE='C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav'  
/COMPRESSED.

Your trial period for SPSS for Windows will expire in 14 days.

T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)  
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.

### T-Test SOX2

**Notes**

Output Created	09-Aug-2015 13:13:51	
Comments		
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Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ESCH3K9ac	9.5000	3	.50000	.28868
	ESCH3K9me2	.9000	3	.10000	.05774

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	ESCH3K9ac & ESCH3K9me2	3	1.000	.000

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	8.60000	.40000	.23094	7.60634	9.59366	37.239	2	.001

T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:14:05
Comments	



Input	Active Dataset	DataSet0
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Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016

[DataSet0]

#### Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	.4000	3	.10000	.05774
difH3K9me2	1.9600	3	.05292	.03055

#### Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	.189	.879

#### Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	difH3K9ac - difH3K9me2	-1.56000	.10392	.06000	-1.81816	-1.30184	-26.000	2	.001

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

## T-Test

#### Notes

Output Created	09-Aug-2015 13:14:20	
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	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS1H3K9ac	8.2367	3	.24705	.14263
	iPS1H3K9me2	.6900	3	.08544	.04933

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS1H3K9ac & iPS1H3K9me2	3	.476	.684

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	7.54667	.21962	.12680	7.00110	8.09224	59.517	2	.000

T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED)  
/CRITERIA=CI (.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:14:53
Comments		
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Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.

Cases Used		Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	.9233	3	.04933	.02848
FibH3K9me2	4.0333	3	.15275	.08819

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	-.818	.390

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	FibH3K9ac - FibH3K9me2	-3.11000	.19519	.11269	-3.59488	-2.62512	-27.597	2	.001

T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED)  
/CRITERIA=CI (.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:15:16	
Comments		
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	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.

Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS2H3K9ac	.9500	3	.04583	.02646
	iPS2H3K9me2	.4400	3	.01000	.00577

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS2H3K9ac & iPS2H3K9me2	3	-.655	.546

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	.51000	.05292	.03055	.37855	.64145	16.694	2	.004

Your trial period for SPSS for Windows will expire in 14 days.

Your trial period for SPSS for Windows will expire in 14 days.

GET  
FILE='C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav'.  
DATASET NAME DataSet0 WINDOW=FRONT.  
ONEWAY H3K9ac BY A

/MISSING ANALYSIS.

**Oneway THY1**

**Notes**

Output Created	09-Aug-2015 09:26:54	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K9ac BY A /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.015

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### ANOVA

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.983	4	1.246	517.632	.000
Within Groups	.024	10	.002		
Total	5.007	14			

```
ONEWAY H3K9ac BY A
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).
```

## Oneway

### Notes

Output Created		09-Aug-2015 09:27:10
Comments		
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	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.014

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K9ac							
--------	--	--	--	--	--	--	--

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.8900	.01000	.00577	.8652	.9148	.88	.90
difESC	3	1.7267	.06429	.03712	1.5670	1.8864	1.68	1.80
iPS1	3	.3467	.02517	.01453	.2842	.4092	.32	.37
Fibroblast	3	1.9267	.06429	.03712	1.7670	2.0864	1.88	2.00
iPS2	3	1.4267	.05508	.03180	1.2899	1.5635	1.39	1.49
Total	15	1.2633	.59804	.15441	.9321	1.5945	.32	2.00

### ANOVA

H3K9ac					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.983	4	1.246	517.632	.000
Within Groups	.024	10	.002		
Total	5.007	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9ac  
Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.83667*	.04006	.000	-.9685	-.7048
	iPS1	.54333*	.04006	.000	.4115	.6752
	Fibroblast	-1.03667*	.04006	.000	-1.1685	-.9048
	iPS2	-.53667*	.04006	.000	-.6685	-.4048
difESC	ESC	.83667*	.04006	.000	.7048	.9685
	iPS1	1.38000*	.04006	.000	1.2482	1.5118
	Fibroblast	-.20000	.04006	.004	-.3318	-.0682
	iPS2	.30000	.04006	.000	.1682	.4318
iPS1	ESC	-.54333*	.04006	.000	-.6752	-.4115
	difESC	-1.38000*	.04006	.000	-1.5118	-1.2482
	Fibroblast	-1.58000*	.04006	.000	-1.7118	-1.4482
	iPS2	-1.08000*	.04006	.000	-1.2118	-.9482
Fibroblast	ESC	1.03667*	.04006	.000	.9048	1.1685
	difESC	.20000	.04006	.004	.0682	.3318
	iPS1	1.58000*	.04006	.000	1.4482	1.7118
	iPS2	.50000	.04006	.000	.3682	.6318
iPS2	ESC	.53667*	.04006	.000	.4048	.6685
	difESC	-.30000	.04006	.000	-.4318	-.1682
	iPS1	1.08000*	.04006	.000	.9482	1.2118
	Fibroblast	-.50000	.04006	.000	-.6318	-.3682

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05				
		1	2	3	4	5
iPS1	3	.3467				
ESC	3		.8900			
iPS2	3			1.4267		
difESC	3				1.7267	
Fibroblast	3					1.9267
Sig.		1.000	1.000	1.000	1.000	1.000
Means for groups in homogeneous subsets are displayed.						

```

ONEWAY H3K9me2 BY B
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
    
```

Oneway

Notes

Output Created	09-Aug-2015 09:27:34	
Comments		
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	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.016

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	1.3167	.02082	.01202	1.2650	1.3684	1.30	1.34
difESC	3	.4500	.05000	.02887	.3258	.5742	.40	.50
iPS1	3	1.6000	.10000	.05774	1.3516	1.8484	1.50	1.70

Fibroblast	3	.9967	.00577	.00333	.9823	1.0110	.99	1.00
iPS2	3	1.4733	.03055	.01764	1.3974	1.5492	1.44	1.50
Total	15	1.1673	.42831	.11059	.9301	1.4045	.40	1.70

**ANOVA**

H3K9me2					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.540	4	.635	228.462	.000
Within Groups	.028	10	.003		
Total	2.568	14			

**Post Hoc Tests**

**Multiple Comparisons**

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.86667*	.04305	.000	.7250	1.0083
	iPS1	-.28333	.04305	.000	-.4250	-.1417
	Fibroblast	.32000*	.04305	.000	.1783	.4617
	iPS2	-.15667*	.04305	.029	-.2983	-.0150
difESC	ESC	-.86667*	.04305	.000	-1.0083	-.7250
	iPS1	-1.15000*	.04305	.000	-1.2917	-1.0083
	Fibroblast	-.54667*	.04305	.000	-.6883	-.4050
	iPS2	-1.02333*	.04305	.000	-1.1650	-.8817
iPS1	ESC	.28333	.04305	.000	.1417	.4250
	difESC	1.15000*	.04305	.000	1.0083	1.2917
	Fibroblast	.60333*	.04305	.000	.4617	.7450
	iPS2	.12667	.04305	.086	-.0150	.2683
Fibroblast	ESC	-.32000*	.04305	.000	-.4617	-.1783
	difESC	.54667*	.04305	.000	.4050	.6883
	iPS1	-.60333*	.04305	.000	-.7450	-.4617
	iPS2	-.47667*	.04305	.000	-.6183	-.3350
iPS2	ESC	.15667*	.04305	.029	.0150	.2983
	difESC	1.02333*	.04305	.000	.8817	1.1650
	iPS1	-.12667	.04305	.086	-.2683	.0150
	Fibroblast	.47667*	.04305	.000	.3350	.6183

\*. The mean difference is significant at the 0.05 level.

**Homogeneous Subsets**

**H3K9me2**

Tukey HSD

B	N	Subset for alpha = 0.05			
		1	2	3	4
difESC	3	.4500			



Fibroblast	3		.9967		
ESC	3			1.3167	
iPS2	3				1.4733
iPS1	3				1.6000
Sig.		1.000	1.000	1.000	.086

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	09-Aug-2015 09:32:02	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.017

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.0260	.00100	.00058	.0235	.0285	.02	.03
difESC	3	.4767	.03215	.01856	.3968	.5565	.44	.50
iPS1	3	.0447	.00404	.00233	.0346	.0547	.04	.05
Fibroblast	3	.4633	.05508	.03180	.3265	.6001	.40	.50
iPS2	3	.1517	.00764	.00441	.1327	.1706	.14	.16
Total	15	.2325	.20708	.05347	.1178	.3471	.02	.50

### ANOVA

H3K4me3					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.592	4	.148	178.667	.000
Within Groups	.008	10	.001		
Total	.600	14			

## Post Hoc Tests

### Multiple Comparisons

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.45067*	.02350	.000	-.5280	-.3733
	iPS1	-.01867	.02350	.927	-.0960	.0587
	Fibroblast	-.43733*	.02350	.000	-.5147	-.3600
	iPS2	-.12567*	.02350	.002	-.2030	-.0483
difESC	ESC	.45067*	.02350	.000	.3733	.5280
	iPS1	.43200*	.02350	.000	.3547	.5093
	Fibroblast	.01333	.02350	.977	-.0640	.0907
	iPS2	.32500*	.02350	.000	.2477	.4023
iPS1	ESC	.01867	.02350	.927	-.0587	.0960
	difESC	-.43200*	.02350	.000	-.5093	-.3547
	Fibroblast	-.41867*	.02350	.000	-.4960	-.3413
	iPS2	-.10700*	.02350	.007	-.1843	-.0297
Fibroblast	ESC	.43733*	.02350	.000	.3600	.5147
	difESC	-.01333	.02350	.977	-.0907	.0640
	iPS1	.41867*	.02350	.000	.3413	.4960
	iPS2	.31167*	.02350	.000	.2343	.3890
iPS2	ESC	.12567*	.02350	.002	.0483	.2030
	difESC	-.32500*	.02350	.000	-.4023	-.2477
	iPS1	.10700*	.02350	.007	.0297	.1843
	Fibroblast	-.31167*	.02350	.000	-.3890	-.2343

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05		
		1	2	3
ESC	3	.0260		
iPS1	3	.0447		
iPS2	3		.1517	
Fibroblast	3			.4633
difESC	3			.4767
Sig.		.927	1.000	.977

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	09-Aug-2015 09:33:11	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	15
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.0787	.00153	.00088	.0749	.0825	.08	.08
difESC	3	.0673	.00643	.00371	.0514	.0833	.06	.07
iPS1	3	.1757	.00513	.00296	.1629	.1884	.17	.18
Fibroblast	3	.3333	.01528	.00882	.2954	.3713	.32	.35
iPS2	3	.2500	.01000	.00577	.2252	.2748	.24	.26
Total	15	.1810	.10521	.02717	.1227	.2393	.06	.35

### ANOVA

H3K27me3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.154	4	.039	477.773	.000
Within Groups	.001	10	.000		
Total	.155	14			

## Post Hoc Tests

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.01133	.00733	.559	-.0128	.0355
	iPS1	-.09700*	.00733	.000	-.1211	-.0729
	Fibroblast	-.25467*	.00733	.000	-.2788	-.2305
	iPS2	-.17133*	.00733	.000	-.1955	-.1472
difESC	ESC	-.01133	.00733	.559	-.0355	.0128
	iPS1	-.10833*	.00733	.000	-.1325	-.0842
	Fibroblast	-.26600*	.00733	.000	-.2901	-.2419
	iPS2	-.18267*	.00733	.000	-.2068	-.1585
iPS1	ESC	.09700*	.00733	.000	.0729	.1211
	difESC	.10833*	.00733	.000	.0842	.1325
	Fibroblast	-.15767*	.00733	.000	-.1818	-.1335
	iPS2	-.07433*	.00733	.000	-.0985	-.0502
Fibroblast	ESC	.25467*	.00733	.000	.2305	.2788
	difESC	.26600*	.00733	.000	.2419	.2901
	iPS1	.15767*	.00733	.000	.1335	.1818
	iPS2	.08333*	.00733	.000	.0592	.1075
iPS2	ESC	.17133*	.00733	.000	.1472	.1955
	difESC	.18267*	.00733	.000	.1585	.2068
	iPS1	.07433*	.00733	.000	.0502	.0985
	Fibroblast	-.08333*	.00733	.000	-.1075	-.0592

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05			
		1	2	3	4
difESC	3	.0673			
ESC	3	.0787			
iPS1	3		.1757		
iPS2	3			.2500	
Fibroblast	3				.3333
Sig.		.559	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Your trial period for SPSS for Windows will expire in 14 days.

```
T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)
/CRITERIA=CI (.9500)
/MISSING=ANALYSIS.
```

# T-Test THY1

## Notes

Output Created	09-Aug-2015 13:34:55	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.062
	Elapsed Time	00:00:00.094

[DataSet0]

## Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K9ac	.8900	3	.01000	.00577
ESCH3K9me2	1.3167	3	.02082	.01202

## Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 ESCH3K9ac & ESCH3K9me2	3	-.240	.846

## Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	-.42667	.02517	.01453	-.48918	-.36415	-29.365	2	.001

T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

## T-Test

## Notes

Output Created	09-Aug-2015 13:35:08	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	1.7267	3	.06429	.03712
difH3K9me2	.4500	3	.05000	.02887

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	-.778	.433

**Paired Samples Test**

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 difH3K9ac - difH3K9me2	1.27667	.10786	.06227	1.00873	1.54460	20.502	2	.002

T-TEST PAIRS=ips1H3K9ac WITH ips1H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:35:22	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>

	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.	
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax		T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time		00:00:00.000
	Elapsed Time		00:00:00.000

[DataSet0]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS1H3K9ac	.3467	3	.02517	.01453
	iPS1H3K9me2	1.6000	3	.10000	.05774

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS1H3K9ac & iPS1H3K9me2	3	.397	.740

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	-1.25333	.09292	.05364	-1.48415	-1.02252	-23.364	2	.002

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
/CRITERIA=CI (.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:35:34
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11

Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	1.9267	3	.06429	.03712
FibH3K9me2	.9967	3	.00577	.00333

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	-.988	.099

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	FibH3K9ac - FibH3K9me2	.93000	.07000	.04041	.75611	1.10389	23.012	2	.002

T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:35:45
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.



Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.	
Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.015

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS2H3K9ac	1.4267	3	.05508	.03180
iPS2H3K9me2	1.4733	3	.03055	.01764

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 iPS2H3K9ac & iPS2H3K9me2	3	-.911	.270

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	-.04667	.08386	.04842	-.25500	.16167	-.964	2	.437

Your trial period for SPSS for Windows will expire in 14 days.

```

ONEWAY H3K9ac BY A
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05) .

```

**OnewayVIM**

**Notes**

Output Created	09-Aug-2015 11:22:15	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.017

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K9ac								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.3200	.02646	.01528	.2543	.3857	.30	.35
difESC	3	.7733	.02517	.01453	.7108	.8358	.75	.80
iPS1	3	.5500	.05000	.02887	.4258	.6742	.50	.60
Fibroblast	3	1.6000	.10000	.05774	1.3516	1.8484	1.50	1.70
iPS2	3	.8600	.05292	.03055	.7286	.9914	.80	.90
Total	15	.8207	.45028	.11626	.5713	1.0700	.30	1.70

### ANOVA

H3K9ac					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.805	4	.701	210.814	.000
Within Groups	.033	10	.003		
Total	2.838	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9ac  
Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.45333*	.04709	.000	-.6083	-.2983
	iPS1	-.23000*	.04709	.004	-.3850	-.0750
	Fibroblast	-1.28000*	.04709	.000	-1.4350	-1.1250
	iPS2	-.54000*	.04709	.000	-.6950	-.3850
difESC	ESC	.45333*	.04709	.000	.2983	.6083
	iPS1	.22333*	.04709	.006	.0683	.3783
	Fibroblast	-.82667*	.04709	.000	-.9817	-.6717
	iPS2	-.08667	.04709	.404	-.2417	.0683

iPS1	ESC	.23000*	.04709	.004	.0750	.3850
	difESC	-.22333*	.04709	.006	-.3783	-.0683
	Fibroblast	-1.05000*	.04709	.000	-1.2050	-.8950
	iPS2	-.31000*	.04709	.000	-.4650	-.1550
Fibroblast	ESC	1.28000*	.04709	.000	1.1250	1.4350
	difESC	.82667*	.04709	.000	.6717	.9817
	iPS1	1.05000*	.04709	.000	.8950	1.2050
	iPS2	.74000*	.04709	.000	.5850	.8950
iPS2	ESC	.54000*	.04709	.000	.3850	.6950
	difESC	.08667	.04709	.404	-.0683	.2417
	iPS1	.31000*	.04709	.000	.1550	.4650
	Fibroblast	-.74000*	.04709	.000	-.8950	-.5850

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05			
		1	2	3	4
ESC	3	.3200			
iPS1	3		.5500		
difESC	3			.7733	
iPS2	3			.8600	
Fibroblast	3				1.6000
Sig.		1.000	1.000	.404	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K9me2 BY B
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	09-Aug-2015 11:23:59	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.

Syntax	ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.014

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.8333	.04509	.02603	.7213	.9453	.79	.88
difESC	3	.4533	.05508	.03180	.3165	.5901	.40	.51
iPS1	3	.6667	.01528	.00882	.6287	.7046	.65	.68
Fibroblast	3	1.1667	.15275	.08819	.7872	1.5461	1.00	1.30
iPS2	3	1.4000	.10000	.05774	1.1516	1.6484	1.30	1.50
Total	15	.9040	.36012	.09298	.7046	1.1034	.40	1.50

### ANOVA

H3K9me2	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.738	4	.435	56.243	.000
Within Groups	.077	10	.008		
Total	1.816	14			

### Post Hoc Tests

#### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.38000*	.07177	.003	.1438	.6162
	iPS1	.16667	.07177	.215	-.0695	.4029
	Fibroblast	-.33333*	.07177	.006	-.5695	-.0971
	iPS2	-.56667*	.07177	.000	-.8029	-.3305
difESC	ESC	-.38000*	.07177	.003	-.6162	-.1438
	iPS1	-.21333	.07177	.082	-.4495	.0229
	Fibroblast	-.71333*	.07177	.000	-.9495	-.4771
	iPS2	-.94667*	.07177	.000	-1.1829	-.7105
iPS1	ESC	-.16667	.07177	.215	-.4029	.0695
	difESC	.21333	.07177	.082	-.0229	.4495
	Fibroblast	-.50000*	.07177	.000	-.7362	-.2638
	iPS2	-.73333*	.07177	.000	-.9695	-.4971
Fibroblast	ESC	.33333*	.07177	.006	.0971	.5695

	difESC	.71333*	.07177	.000	.4771	.9495
	iPS1	.50000*	.07177	.000	.2638	.7362
	iPS2	-.23333	.07177	.053	-.4695	.0029
iPS2	ESC	.56667*	.07177	.000	.3305	.8029
	difESC	.94667*	.07177	.000	.7105	1.1829
	iPS1	.73333*	.07177	.000	.4971	.9695
	Fibroblast	.23333	.07177	.053	-.0029	.4695

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05		
		1	2	3
difESC	3	.4533		
iPS1	3	.6667	.6667	
ESC	3		.8333	
Fibroblast	3			1.1667
iPS2	3			1.4000
Sig.		.082	.215	.053

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS
  /POSTHOC=TUKEY ALPHA(0.05) .
ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05) .

```

## Oneway

### Notes

Output Created	09-Aug-2015 11:30:46	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
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	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	

Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.015

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.4800	.02000	.01155	.4303	.5297	.46	.50
difESC	3	.3600	.03606	.02082	.2704	.4496	.33	.40
iPS1	3	.6967	.01528	.00882	.6587	.7346	.68	.71
Fibroblast	3	.3000	.01000	.00577	.2752	.3248	.29	.31
iPS2	3	.5767	.02517	.01453	.5142	.6392	.55	.60
Total	15	.4827	.14988	.03870	.3997	.5657	.29	.71

### ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.309	4	.077	144.919	.000
Within Groups	.005	10	.001		
Total	.314	14			

## Post Hoc Tests

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.12000*	.01886	.001	.0579	.1821
	iPS1	-.21667*	.01886	.000	-.2787	-.1546
	Fibroblast	.18000*	.01886	.000	.1179	.2421
	iPS2	-.09667*	.01886	.003	-.1587	-.0346
difESC	ESC	-.12000*	.01886	.001	-.1821	-.0579
	iPS1	-.33667*	.01886	.000	-.3987	-.2746
	Fibroblast	.06000	.01886	.059	-.0021	.1221
	iPS2	-.21667*	.01886	.000	-.2787	-.1546
iPS1	ESC	.21667*	.01886	.000	.1546	.2787
	difESC	.33667*	.01886	.000	.2746	.3987
	Fibroblast	.39667*	.01886	.000	.3346	.4587
	iPS2	.12000*	.01886	.001	.0579	.1821
Fibroblast	ESC	-.18000*	.01886	.000	-.2421	-.1179
	difESC	-.06000	.01886	.059	-.1221	.0021
	iPS1	-.39667*	.01886	.000	-.4587	-.3346
	iPS2	-.27667*	.01886	.000	-.3387	-.2146
iPS2	ESC	.09667*	.01886	.003	.0346	.1587

difESC	.21667*	.01886	.000	.1546	.2787
iPS1	-.12000*	.01886	.001	-.1821	-.0579
Fibroblast	.27667*	.01886	.000	.2146	.3387

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05			
		1	2	3	4
Fibroblast	3	.3000			
difESC	3	.3600			
ESC	3		.4800		
iPS2	3			.5767	
iPS1	3				.6967
Sig.		.059	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	09-Aug-2015 11:36:48	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
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	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.016

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.2667	.02517	.01453	.2042	.3292	.24	.29
difESC	3	.5200	.05292	.03055	.3886	.6514	.48	.58
iPS1	3	.3067	.02082	.01202	.2550	.3584	.29	.33
Fibroblast	3	.4833	.02082	.01202	.4316	.5350	.46	.50
iPS2	3	.8633	.04726	.02728	.7459	.9807	.81	.90
Total	15	.4880	.22111	.05709	.3656	.6104	.24	.90

### ANOVA

H3K4me3					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.671	4	.168	128.452	.000
Within Groups	.013	10	.001		
Total	.684	14			

### Post Hoc Tests

#### Multiple Comparisons

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.25333*	.02951	.000	-.3505	-.1562
	iPS1	-.04000	.02951	.666	-.1371	.0571
	Fibroblast	-.21667*	.02951	.000	-.3138	-.1195
	iPS2	-.59667*	.02951	.000	-.6938	-.4995
difESC	ESC	.25333*	.02951	.000	.1562	.3505
	iPS1	.21333*	.02951	.000	.1162	.3105
	Fibroblast	.03667	.02951	.729	-.0605	.1338
	iPS2	-.34333*	.02951	.000	-.4405	-.2462
iPS1	ESC	.04000	.02951	.666	-.0571	.1371
	difESC	-.21333*	.02951	.000	-.3105	-.1162
	Fibroblast	-.17667*	.02951	.001	-.2738	-.0795
	iPS2	-.55667*	.02951	.000	-.6538	-.4595
Fibroblast	ESC	.21667*	.02951	.000	.1195	.3138
	difESC	-.03667	.02951	.729	-.1338	.0605
	iPS1	.17667*	.02951	.001	.0795	.2738
	iPS2	-.38000*	.02951	.000	-.4771	-.2829
iPS2	ESC	.59667*	.02951	.000	.4995	.6938
	difESC	.34333*	.02951	.000	.2462	.4405
	iPS1	.55667*	.02951	.000	.4595	.6538
	Fibroblast	.38000*	.02951	.000	.2829	.4771

\*. The mean difference is significant at the 0.05 level.



## Homogeneous Subsets

### H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05		
		1	2	3
ESC	3	.2667		
iPS1	3	.3067		
Fibroblast	3		.4833	
difESC	3		.5200	
iPS2	3			.8633
Sig.		.666	.729	1.000

Means for groups in homogeneous subsets are displayed.

```
ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS
/POSTHOC=TUKEY ALPHA(0.05).
```

Your trial period for SPSS for Windows will expire in 14 days.

```
T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)
/CRITERIA=CI(.9500)

/MISSING=ANALYSIS.
```

## T-Test VIM

### Notes

Output Created		09-Aug-2015 13:37:46
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.016

[DataSet0]

### Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K9ac	.3200	3	.02646	.01528
ESCH3K9me2	.8333	3	.04509	.02603

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 ESCH3K9ac & ESCH3K9me2	3	.964	.172

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	-.51333	.02082	.01202	-.56504	-.46162	-42.712	2	.001

T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)  
 /CRITERIA=CI (.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:37:58
Comments		
Input	Active Dataset	DataSet0
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	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.015

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	.7733	3	.02517	.01453
difH3K9me2	.4533	3	.05508	.03180

**Paired Samples Correlations**

	N	Correlation	Sig.
--	---	-------------	------

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	.349	.773

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	difH3K9ac - difH3K9me2	.32000	.05196	.03000	.19092	.44908	10.667	2	.009

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
 /CRITERIA=CI (.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created		09-Aug-2015 13:38:13
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS1H3K9ac	.5500	3	.05000	.02887
iPS1H3K9me2	.6667	3	.01528	.00882

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 iPS1H3K9ac & iPS1H3K9me2	3	.982	.121

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	-.11667	.03512	.02028	-.20391	-.02943	-5.754	2	.029

```
T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED)
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.
```

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:38:26	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	1.6000	3	.10000	.05774
FibH3K9me2	1.1667	3	.15275	.08819

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	.982	.121

**Paired Samples Test**

	Paired Differences	t	df	Sig. (2-tailed)
--	--------------------	---	----	-----------------

		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	FibH3K9ac - FibH3K9me2	.43333	.05774	.03333	.28991	.57676	13.000	2	.006

T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED)  
 /CRITERIA=CI (.9500)  
 /MISSING=ANALYSIS.

## T-Test

### Notes

Output Created	09-Aug-2015 13:38:40	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

### Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	iPS2H3K9ac	.8600	3	.05292	.03055
	iPS2H3K9me2	1.4000	3	.10000	.05774

### Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	iPS2H3K9ac & iPS2H3K9me2	3	.945	.212

### Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	-.54000	.05292	.03055	-.67145	-.40855	-17.676	2	.003

```
ONEWAY H3K9ac BY A
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).
```

## Oneway COL1A1

### Notes

Output Created	09-Aug-2015 12:10:01	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9ac BY A /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.015
	Elapsed Time	00:00:00.015

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K9ac	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					ESC	3		
difESC	3	1.8533	.09238	.05333	1.6239	2.0828	1.80	1.96
iPS1	3	.3000	.02646	.01528	.2343	.3657	.27	.32
Fibroblast	3	1.3533	.05033	.02906	1.2283	1.4784	1.30	1.40
iPS2	3	1.1933	.09018	.05207	.9693	1.4174	1.10	1.28
Total	15	1.0080	.62635	.16172	.6611	1.3549	.27	1.96

### ANOVA

H3K9ac	Sum of Squares	df	Mean Square	F	Sig.

Between Groups	5.447	4	1.362	299.947	.000
Within Groups	.045	10	.005		
Total	5.492	14			

## Post Hoc Tests

### Multiple Comparisons

H3K9ac

Tukey HSD

(I) A	(J) A	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-1.51333*	.05502	.000	-1.6944	-1.3323
	iPS1	.04000	.05502	.945	-.1411	.2211
	Fibroblast	-1.01333*	.05502	.000	-1.1944	-.8323
	iPS2	-.85333*	.05502	.000	-1.0344	-.6723
difESC	ESC	1.51333*	.05502	.000	1.3323	1.6944
	iPS1	1.55333*	.05502	.000	1.3723	1.7344
	Fibroblast	.50000*	.05502	.000	.3189	.6811
	iPS2	.66000*	.05502	.000	.4789	.8411
iPS1	ESC	-.04000	.05502	.945	-.2211	.1411
	difESC	-1.55333*	.05502	.000	-1.7344	-1.3723
	Fibroblast	-1.05333*	.05502	.000	-1.2344	-.8723
	iPS2	-.89333*	.05502	.000	-1.0744	-.7123
Fibroblast	ESC	1.01333*	.05502	.000	.8323	1.1944
	difESC	-.50000*	.05502	.000	-.6811	-.3189
	iPS1	1.05333*	.05502	.000	.8723	1.2344
	iPS2	.16000	.05502	.090	-.0211	.3411
iPS2	ESC	.85333*	.05502	.000	.6723	1.0344
	difESC	-.66000*	.05502	.000	-.8411	-.4789
	iPS1	.89333*	.05502	.000	.7123	1.0744
	Fibroblast	-.16000	.05502	.090	-.3411	.0211

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

H3K9ac

Tukey HSD

A	N	Subset for alpha = 0.05		
		1	2	3
iPS1	3	.3000		
ESC	3	.3400		
iPS2	3		1.1933	
Fibroblast	3		1.3533	
difESC	3			1.8533
Sig.		.945	.090	1.000

Means for groups in homogeneous subsets are displayed.

```

/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).

```

## Oneway

### Notes

Output Created	09-Aug-2015 12:18:08	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
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	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K9me2 BY B /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.031
	Elapsed Time	00:00:00.015

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K9me2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.9200	.05292	.03055	.7886	1.0514	.88	.98
difESC	3	.3667	.04163	.02404	.2632	.4701	.32	.40
iPS1	3	.7567	.05132	.02963	.6292	.8841	.70	.80
Fibroblast	3	.8600	.05292	.03055	.7286	.9914	.80	.90
iPS2	3	1.9333	.15275	.08819	1.5539	2.3128	1.80	2.10
Total	15	.9673	.54267	.14012	.6668	1.2679	.32	2.10

### ANOVA

ANOVA					
H3K9me2	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.056	4	1.014	152.263	.000
Within Groups	.067	10	.007		
Total	4.123	14			

## Post Hoc Tests



### Multiple Comparisons

H3K9me2

Tukey HSD

(I) B	(J) B	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	.55333*	.06663	.000	.3340	.7726
	iPS1	.16333	.06663	.179	-.0560	.3826
	Fibroblast	.06000	.06663	.890	-.1593	.2793
	iPS2	-1.01333*	.06663	.000	-1.2326	-.7940
difESC	ESC	-.55333*	.06663	.000	-.7726	-.3340
	iPS1	-.39000*	.06663	.001	-.6093	-.1707
	Fibroblast	-.49333*	.06663	.000	-.7126	-.2740
	iPS2	-1.56667*	.06663	.000	-1.7860	-1.3474
iPS1	ESC	-.16333	.06663	.179	-.3826	.0560
	difESC	.39000*	.06663	.001	.1707	.6093
	Fibroblast	-.10333	.06663	.556	-.3226	.1160
	iPS2	-1.17667*	.06663	.000	-1.3960	-.9574
Fibroblast	ESC	-.06000	.06663	.890	-.2793	.1593
	difESC	.49333*	.06663	.000	.2740	.7126
	iPS1	.10333	.06663	.556	-.1160	.3226
	iPS2	-1.07333*	.06663	.000	-1.2926	-.8540
iPS2	ESC	1.01333*	.06663	.000	.7940	1.2326
	difESC	1.56667*	.06663	.000	1.3474	1.7860
	iPS1	1.17667*	.06663	.000	.9574	1.3960
	Fibroblast	1.07333*	.06663	.000	.8540	1.2926

\*. The mean difference is significant at the 0.05 level.

### Homogeneous Subsets

H3K9me2

Tukey HSD

B	N	Subset for alpha = 0.05		
		1	2	3
difESC	3	.3667		
iPS1	3		.7567	
Fibroblast	3		.8600	
ESC	3		.9200	
iPS2	3			1.9333
Sig.		1.000	.179	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K4me3 BY C
/STATISTICS DESCRIPTIVES
/MISSING ANALYSIS

/POSTHOC=TUKEY ALPHA(0.05).

```

### Oneway

Notes

Output Created	09-Aug-2015 12:18:34	
Comments		
Input	Data	C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax	ONEWAY H3K4me3 BY C /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).	
Resources	Processor Time	00:00:00.016
	Elapsed Time	00:00:00.015

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K4me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.2333	.01528	.00882	.1954	.2713	.22	.25
difESC	3	.7500	.05000	.02887	.6258	.8742	.70	.80
iPS1	3	.3133	.03215	.01856	.2335	.3932	.29	.35
Fibroblast	3	.8600	.05292	.03055	.7286	.9914	.80	.90
iPS2	3	.1333	.01528	.00882	.0954	.1713	.12	.15
Total	15	.4580	.30292	.07821	.2902	.6258	.12	.90

### ANOVA

H3K4me3	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.271	4	.318	233.647	.000
Within Groups	.014	10	.001		
Total	1.285	14			

### Post Hoc Tests

#### Multiple Comparisons

H3K4me3

Tukey HSD

(I) C	(J) C	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound

ESC	difESC	-.51667*	.03011	.000	-.6158	-.4176
	iPS1	-.08000	.03011	.132	-.1791	.0191
	Fibroblast	-.62667*	.03011	.000	-.7258	-.5276
	iPS2	.10000*	.03011	.048	.0009	.1991
difESC	ESC	.51667*	.03011	.000	.4176	.6158
	iPS1	.43667*	.03011	.000	.3376	.5358
	Fibroblast	-.11000*	.03011	.029	-.2091	-.0109
	iPS2	.61667*	.03011	.000	.5176	.7158
iPS1	ESC	.08000	.03011	.132	-.0191	.1791
	difESC	-.43667*	.03011	.000	-.5358	-.3376
	Fibroblast	-.54667*	.03011	.000	-.6458	-.4476
	iPS2	.18000*	.03011	.001	.0809	.2791
Fibroblast	ESC	.62667*	.03011	.000	.5276	.7258
	difESC	.11000*	.03011	.029	.0109	.2091
	iPS1	.54667*	.03011	.000	.4476	.6458
	iPS2	.72667*	.03011	.000	.6276	.8258
iPS2	ESC	-.10000*	.03011	.048	-.1991	-.0009
	difESC	-.61667*	.03011	.000	-.7158	-.5176
	iPS1	-.18000*	.03011	.001	-.2791	-.0809
	Fibroblast	-.72667*	.03011	.000	-.8258	-.6276

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K4me3

Tukey HSD

C	N	Subset for alpha = 0.05			
		1	2	3	4
iPS2	3	.1333			
ESC	3		.2333		
iPS1	3		.3133		
difESC	3			.7500	
Fibroblast	3				.8600
Sig.		1.000	.132	1.000	1.000

Means for groups in homogeneous subsets are displayed.

```

ONEWAY H3K27me3 BY D
  /STATISTICS DESCRIPTIVES
  /MISSING ANALYSIS

  /POSTHOC=TUKEY ALPHA(0.05) .

```

## Oneway

### Notes

Output Created	09-Aug-2015 12:19:00
Comments	
Input	Data C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav
Active Dataset	DataSet1
Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	20
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on cases with no missing data for any variable in the analysis.
Syntax		ONEWAY H3K27me3 BY D /STATISTICS DESCRIPTIVES /MISSING ANALYSIS /POSTHOC=TUKEY ALPHA(0.05).
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet1] C:\Users\raha favaedi\Desktop\REVISION OF IJDB\merged figs\1.sav

### Descriptives

H3K27me3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
ESC	3	.3433	.01528	.00882	.3054	.3813	.33	.36
difESC	3	.4833	.04041	.02333	.3829	.5837	.44	.52
iPS1	3	.3467	.05132	.02963	.2192	.4741	.29	.39
Fibroblast	3	.5867	.03512	.02028	.4994	.6739	.55	.62
iPS2	3	.1400	.01000	.00577	.1152	.1648	.13	.15
Total	15	.3800	.15856	.04094	.2922	.4678	.13	.62

### ANOVA

H3K27me3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.340	4	.085	72.929	.000
Within Groups	.012	10	.001		
Total	.352	14			

## Post Hoc Tests

### Multiple Comparisons

H3K27me3

Tukey HSD

(I) D	(J) D	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
ESC	difESC	-.14000*	.02789	.004	-.2318	-.0482
	iPS1	-.00333	.02789	1.000	-.0951	.0885
	Fibroblast	-.24333*	.02789	.000	-.3351	-.1515
	iPS2	.20333*	.02789	.000	.1115	.2951
difESC	ESC	.14000*	.02789	.004	.0482	.2318
	iPS1	.13667*	.02789	.004	.0449	.2285

	Fibroblast	-.10333*	.02789	.026	-.1951	-.0115
	iPS2	.34333*	.02789	.000	.2515	.4351
iPS1	ESC	.00333	.02789	1.000	-.0885	.0951
	difESC	-.13667*	.02789	.004	-.2285	-.0449
	Fibroblast	-.24000*	.02789	.000	-.3318	-.1482
	iPS2	.20667*	.02789	.000	.1149	.2985
Fibroblast	ESC	.24333*	.02789	.000	.1515	.3351
	difESC	.10333*	.02789	.026	.0115	.1951
	iPS1	.24000	.02789	.000	.1482	.3318
	iPS2	.44667*	.02789	.000	.3549	.5385
iPS2	ESC	-.20333*	.02789	.000	-.2951	-.1115
	difESC	-.34333	.02789	.000	-.4351	-.2515
	iPS1	-.20667*	.02789	.000	-.2985	-.1149
	Fibroblast	-.44667*	.02789	.000	-.5385	-.3549

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### H3K27me3

Tukey HSD

D	N	Subset for alpha = 0.05			
		1	2	3	4
iPS2	3	.1400			
ESC	3		.3433		
iPS1	3		.3467		
difESC	3			.4833	
Fibroblast	3				.5867
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Your trial period for SPSS for Windows will expire in 14 days.

```
T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED)
/CRITERIA=CI (.9500)

/MISSING=ANALYSIS.
```

## T-Test COL1A1

### Notes

Output Created		09-Aug-2015 13:30:37
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.

Cases Used		Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST PAIRS=ESCH3K9ac WITH ESCH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ESCH3K9ac	.3400	3	.05292	.03055
ESCH3K9me2	.9200	3	.05292	.03055

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 ESCH3K9ac & ESCH3K9me2	3	.929	.242

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ESCH3K9ac - ESCH3K9me2	-.58000	.02000	.01155	-.62968	-.53032	-50.229	2	.000

T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED)  
/CRITERIA=CI (.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:30:51	
Comments		
Input	Active Dataset	DataSet0
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.

Syntax	T-TEST PAIRS=difH3K9ac WITH difH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.		
Resources	Processor Time	00:00:00.015	
	Elapsed Time	00:00:00.015	

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 difH3K9ac	1.8533	3	.09238	.05333
difH3K9me2	.3667	3	.04163	.02404

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 difH3K9ac & difH3K9me2	3	.693	.512

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	difH3K9ac - difH3K9me2	1.48667	.07024	.04055	1.31219	1.66115	36.661	2	.001

T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED)  
/CRITERIA=CI(.9500)  
  
/MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:31:04	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS1H3K9ac WITH iPS1H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	

Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 iPS1H3K9ac	.3000	3	.02646	.01528
iPS1H3K9me2	.7567	3	.05132	.02963

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 iPS1H3K9ac & iPS1H3K9me2	3	-.589	.599

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS1H3K9ac - iPS1H3K9me2	-.45667	.07024	.04055	-.63115	-.28219	-11.261	2	.008

T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED)  
 /CRITERIA=CI(.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:31:19	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=FibH3K9ac WITH FibH3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.016



[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 FibH3K9ac	1.3533	3	.05033	.02906
FibH3K9me2	.8600	3	.05292	.03055

**Paired Samples Correlations**

	N	Correlation	Sig.
Pair 1 FibH3K9ac & FibH3K9me2	3	.075	.952

**Paired Samples Test**

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 FibH3K9ac - FibH3K9me2	.49333	.07024	.04055	.31885	.66781	12.166	2	.007

T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED)  
 /CRITERIA=CI(.9500)  
 /MISSING=ANALYSIS.

**T-Test**

**Notes**

Output Created	09-Aug-2015 13:31:32	
Comments		
Input	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	11
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=iPS2H3K9ac WITH iPS2H3K9me2 (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.000
	Elapsed Time	00:00:00.000

[DataSet0]

**Paired Samples Statistics**

	Mean	N	Std. Deviation	Std. Error Mean
--	------	---	----------------	-----------------

Pair 1	iPS2H3K9ac	1.1933	3	.09018	.05207
	iPS2H3K9me2	1.9333	3	.15275	.08819

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	iPS2H3K9ac & iPS2H3K9me2	3	-.702	.505

**Paired Samples Test**

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	iPS2H3K9ac - iPS2H3K9me2	-.74000	.22539	.13013	-1.29990	-.18010	-5.687	2	.030

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