Supplementary File (S3): How to install the XRealStats Add-in:

1. Open Excel, then go to "Options".



2. Click on "Add-ins". In the "Manage" box: Select Excel Add-ins and click "Go".



3. After downloading Xrealstats, click on "Browse" to find it in your computer. Once it is selected, it will appear in the list of Add-ins; it will need to be enabled

The default folder of the Add-ins is C:\Users\name of computer\AppData\Roaming\Microsoft\Add-ins

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4. Open the Table S2.xls file and click on "Enable Editing".

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	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	CE	C 🔺
1	impute	Ctrl-1	Ctrl-2	Ctrl-3	Ctrl-4	Ctrl-5	Ctrl-6	Tr-1	Tr-2	Tr-3	Tr-4	Tr-5	Tr-6	S₩ test		F-test	Volcano	Fold change	p-value	p-value Bonferroni corrected						
2		3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	0.05		0.19		-2.08	8.98	-0.73						
3		1.55	3.45	3.29	3.50	3.76	3.67	1.90	1.29	1.84	1.89	2.42	2.12	0.00		0.10		-1.30	5.74	-170			Vol	cano plot		
4		3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	0.02		0.05		-2.00	3.74	-2.31						
5		5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	0.29		0.16		0.64	4.51	-2.07		30.24				
6		5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	0.21		0.21		0.90	4.10	-2.20						
7		5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	0.04		0.00		-0.77	1.00	-3.13						
8		2.35	1.86	1.21	-0.09	2.54	0.35	6.89	2.21	2.73	3.10	6.35	4.84	0.36		0.21		2.98	6.85	-137		25.92				· ·
9		2.60	2.77	3.05	3.16	3.31	3.02	2.27	2.75	3.40	3.69	3.27	3.45	0.38		0.14		0.15	0.89	-3.17						
10		1.08	2.29	2.69	2.04	1.41	2.15	5.85	1.00	2.06	1.79	5.46	1.90	0.06		0.02		1.07	1.87	-2.87						
11		3.49	3.23	3.83	4.21	4.09	3.61	3.09	3.14	2.03	1.69	2.99	4.93	0.39		0.03		-0.77	2.59	-2.65		21.60	•	•		
12		4.94	4.70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	0.27		0.00		-0.64	1.43	-3.00	0					
13		7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	0.03		0.42		0.03	100	-3.13	le					
14		2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	0.01		0.11		-0.28	2.57	-2.66	2	17.28		· · · · ·	· · ·	
15		4.51	1.63	1.64	2.00	4.11	3.82	3.72	4.76	4.58	4./1	3.94	4.76	0.04		0.04		146	5.74	-1/0	μ 2					
17		0.09	0.09	7.94	7.74	0.22	7.91	8.35	7.53	7.02	7.06	9.12	7.60	0.13		0.04		0.02	2.65	-2.63	es		•		- 7	
11		0.03	0.03	1.32	1.00	0.31	r.00	0.40	1.37	r.03	r.00	0.01	7.60	0.25		0.10		0.03	0.13	-3.30	~	10.00				

5. Notice after enabling editing that the SW test, p-value and Bonferroni columns have no values. Click on "Enable Content".

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2	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	#NAME?	0.19		-2.08	#NAME?	#NAME?							
3	1.55	3.45	3.29	3.50	3.76	3.67	1.90	129	184	189	2.42	2.12	#NAME?	0.10		-1.30	#NAME?	#NAME?				Volcano pl	ot		
4	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	#NAME?	0.05		-2.00	#NAME?	#NAME?		4.22					
5	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	#NAME?	0.16		0.64	#NAME?	#NAME?		4.32					
6	5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	#NAME?	0.21		0.90	#NAME?	#NAME?							
7	5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	#NAME?	0.00		-0.77	#NAME?	#NAME?							
8	2.35	1.86	1.21	-0.09	2.54	0.35	6.89	2.21	2.73	3.10	6.35	4.84	#NAME?	0.21		2.98	#NAME?	#NAME?							
9	2.60	2.77	3.05	3.16	3.31	3.02	2.27	2.75	3.40	3.69	3.27	3.45	#NAME?	0.14		0.15	#NAME?	#NAME?							
10	1.08	2.29	2.69	2.04	1.41	2.15	5.85	1.00	2.06	179	5.46	1.90	#NAME?	0.02		1.07	#NAME?	#NAME?							
11	3.49	3.23	3.83	4.21	4.09	3.61	3.09	3.14	2.03	1.69	2.99	4.93	#NAME?	0.03		-0.77	#NAME?	#NAME?							
12	4.94	4.70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	#NAME?	0.00		-0.64	#NAME?	#NAME?		Ð					
13	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	#NAME?	0.42		0.03	#NAME?	#NAME?		n					
14	2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	#NAME?	0.11		-0.28	#NAME?	#NAME?		9A-					
15	4.51	163	1.64	2.00	4.11	3.82	3.72	4.76	4.58	4.71	3.94	4.76	#NAME?	0.04		1.46	#NAME?	#NAME?		d.					
16	7.74	7.78	7.94	7.74	8.22	7.91	8.36	7.53	8.11	8.08	9.12	8.27	#NAME?	0.04		0.36	#NAME?	#NAME?		set					
1/	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83	7.86	8.51	7.60	#NAME?	0.16		0.03	#NAME?	#NAME?		t-tr					
18	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	199	2.95	2.25	#NAME?	0.87		-0.79	#NAME?	#NAME?		2					
19	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95	4.13	3.79	3.98	#NAME?	0.09		-0.69	#NAME?	#NAME?		50					
20	7.65	8.50	8.78	8.56	8.65	8.86	8.44	7.73	8.37	8.55	9.22	8.54	#NAME?	0.86		-0.02	#NAME?	#NAME?		т					
21	2.84	2.99	3.78	3.78	2.94	4.06	3.03	147	189	182	2.63	133	#NAME?	0.63		-1.37	#NAME?	#NAME?							
22	3.66	3.46	3.45	3.24	0.54	3.37	2.50	4.24	3.74	3.55	2.26	4.24	#NAME?	0.49		0.47	#NAME?	#NAME?							
23	7.48	7.69	7.38	7.79	7.85	7.81	7.88	7.55	8.18	7.80	9.02	8.60	#NAME?	0.04		0.51	#NAME?	#NAME?							
24	2.66	2.60	3.53	2.37	2.36	2.11	4.61	4.36	4.58	4.20	4.48	4.37	#NAME?	0.02		183	#NAME?	#NAME?							
25	8.19	8.75	8.55	8.61	8.48	8.70	8.78	8.26	8.04	7.93	8.26	7.56	#NAME?	0.14		-0.41	#NAME?	#NAME?							
26	3.54	2.39	3.81	2.31	2.37	3.32	164	2.14	0.36	0.53	0.93	174	#NAME?	0.89		-1.73	#NAME?	#NAME?							
27	4.94	5.41	5.07	5.24	5.13	5.44	174	2.96	4.42	4.15	2.33	3.75	#NAME?	0.00		-1.99	#NAME?	#NAME?		0.00					
28	0.96	0.86	0.87	128	1.67	1.36	2.37	1.21	1,11	0.89	2.95	0.76	#NAME?	0.04		0.38	#NAME?	#NAME?		0.00					_
29	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.97	4.02	7.40	2.49	#NAME?	0.01		0.99	#NAME?	#NAME?		-8.0	-6.0	-4.0 -2.0	0.0 2.0	4.0	б.
30	4.53	4.60	4.76	4.64	5.06	4.71	2.37	4.58	4.92	4.68	2.95	4.65	#NAME?	0.00		-0.69	#NAME?	#NAME?				log2 fold cha	nae tr/ctrl		
31	5.66	6.40	6.53	6.42	6.23	6.27	6.57	5.95	5.92	5.60	5.88	5.29	#NAME?	0.50		-0.38	#NAME?	#NAME?							
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6. Click on the X to close this message.

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2	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	#NAME?	0.19		-2.08	#NAME?	#NAME?						
	1.55	3.45	3.29	3.50	3.76	3.67	1.90	1.29	1.84	1.89	2.42	2.12	#NAME?	0.10		-130	#NAME?	#NAME?			Vo	icano pic	t	
	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	#NAME?	0.05		-2.00	#NAME?	#NAME?		4 3 2				
	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	#NAME?	0.16		0.64	#NAME?	#NAME?		4.32				
	5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	#NAME?	0.21		0.90	#NAME?	#NAME?						
	5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	#NAME?	0.00		-0.77	#NAME?	#NAME?						
	2.35	1.86	1.21	-0.09	2.54	0.35	6.89	2.21	2.73	3.10	6.35	4.84	#NAME?	0.21		2.98	#NAME?	#NAME?						
	2.60	2.77	3.05	3.16	3.31	3.02	2.27	2.75	3.40	3.69	3.27	3.45	#NAME?	0.14		0.15	#NAME?	#NAME?						
	1.08	2.29	2.69	2.04	1.41	2.15	5.85	1.00	2.06	179	5.46	1.90	#NAME?	0.02		1.07	#NAME?	#NAME?						
	3.49	3.23	3.83	4.21	4.09	3.61	3.09	3.14	2.03	1.69	2.99	4.93	#NAME?	0.03		-0.77	#NAME?	#NAME?						
	4.94	4.70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	#NAME?	0.00		-0.64	#NAME?	#NAME?	9					
	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59 N	licrosoft	t Excel						\times ?	#NAME?						
	2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57								2	#NAME?	34-					
	4.51	1.63	1.64	2.00	4.11	3.82	3.72	4.76	4.58							-	2	#NAME?	0					
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	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83								2	#NAME?	1					
	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	_	You can co	ntinue wit	nout updatin	ig their val	ues, or ear	the links you think	are wrong.	#NAME?	2					
	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95								2	#NAME?	<u>Š</u>					
	7.65	8.50	8.78	8.56	8.65	8.86	8.44	1.13	8.3/				Continue	E	dit Links		1	#NAME?	· · ·					
	2.84	2.99	3.78	3.78	2.94	4.05	3.03	147	1.89								6	#NAME?						
-	3.66	3.46	3.45	3.24	0.54	3.37	2.50	4.24	3.74		Was this inf	formation	helpful?				(#NAME?						
	7.48	7.69	7.38	7.79	7.85	7.81	7.88	7.55	8.18								2	#NAME?						
-	2.66	2.60	3.53	2.37	2.36	2.11	4.61	4.36	4.58	4.20	4.48	4.37	#NAME?	0.02		183	#NAME?	#NAME?						
	8.19	8.75	8.55	8.61	8.48	8.70	8.78	8.26	8.04	7.93	8.26	7.56	#NAME?	0.14		-0.41	#NAME?	#NAME?						
	3.54	2.39	3.81	231	2.37	3.32	1.54	2.14	0.36	0.53	0.93	1.74	#NAME?	0.89		-1/3	#NAME?	#NAME?						
	4.94	5.41	5.07	5.24	5.13	5.44	1/4	2.36	4.42	4.15	2.33	3.75	#NAME?	0.00		-199	#NAME?	#NAME?		0.00				
	0.96	0.86	0.87	128	1.67	1.36	2.31	1.20	1.1	0.89	2.95	0.76	#NAME?	0.04		0.38	#NAME?	HNAME?		0.00	60 40	20 (0 20	4.0
<u></u>	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.37	4.02	7.40	2.49	#NAME?	0.01		0.39	#NAME?	HINAME?		-0.0 -	0.0 -4.0	-2.0 0	2.0	4.0
-	4.53	4.60	4.76	4.64	5.06	4./1	2.3/	4.56	4.32	4.68	2.95	4.65	HNAME?	0.00		-0.69	HINDOME?	HINAME?			log	2 fold char	ge tr/ctrl	
1	5.66	6.40	6.53	6.4Z	6.23	0.27	6.57	0.30	0.32	0.60	5.88	5.29	HNAME?	0.50		-0.38	HINAME ?	HINAME /						

7. Click on cell "BT2" under the SW test column. You will see the links incorporated in the formula.

8. Remove both links 'C:\Users\Labhead\AppData\Roaming\Microsoft\AddIns\RealStats.xlam'! from the formula as highlighted

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pute	Ctrl-1	Ctrl-2	Ctrl-3	Ctrl-4	Ctrl-5	Ctrl-6	Tr-1	Tr-2	Tr-3	Tr-4	Tr-5	Tr-6	SW test	F-test	Volcano	Fold change	p-value	p-value Bonferroni corrected						
1	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	sts.xlam'ISW	0.19		-2.08	#NAME?	#NAME?						
	1.55	3.45	3.29	3.50	3.76	3.67	1.90	129	1.84	1.89	2.42	2.12	#NAME?	0.10		-1.30	#NAME?	#NAME?			<u>۱</u>	/olcano	plot	
	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	#NAME?	0.05		-2.00	#NAME?	#NAME?		4 22				
	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	#NAME?	0.16		0.64	#NAME?	#NAME?		4.32				
	5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	#NAME?	0.21		0.90	#NAME?	#NAME?						
	5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	#NAME?	0.00		-0.77	#NAME?	#NAME?						
	2.35	1.86	121	-0.09	2.54	0.35	6.89	2.21	2.73	3.10	6.35	4.84	#NAME?	0.21		2.98	#NAME?	INAME?						
	2.60	2.77	3.05	3.16	3.31	3.02	2.2/ E 0E	2.75	3.40	3.69	3.27	3.45	#NAME?	0.02		107	#NAME /	HNAME?						
	3.49	3.23	3.93	4.21	4.09	2.13	3.09	3.14	2.06	169	2.99	4.93	#NAME?	0.02		-0.77	HNAME?	HINAME?						
	4.94	4.70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	#NAME?	0.00		-0.64	#NAME?	INAME?						
	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	#NAME?	0.42		0.03	#NAME?	IINAME?		20				
	2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	#NAME?	0.11		-0.28	#NAME?	#NAME?		Nai				
	4.51	1.63	1.64	2.00	4.11	3.82	3.72	4.76	4.58	4.71	3.94	4.76	#NAME?	0.04		146	#NAME?	#NAME?		4				
	7.74	7.78	7.94	7.74	8.22	7.91	8.36	7.53	8.11	8.08	9.12	8.27	#NAME?	0.04		0.36	#NAME?	#NAME?	1	20				
	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83	7.86	8.51	7.60	#NAME?	0.16		0.03	#NAME?	#NAME?		5				
	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	1.99	2.95	2.25	#NAME?	0.87		-0.79	#NAME?	#NAME?		7				
	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95	4.13	3.79	3.98	#NAME?	0.09		-0.69	#NAME?	#NAME?	3	3				
	7.65	8.50	8.78	8.56	8.65	8.86	8.44	7.73	8.37	8.55	9.22	8.54	#NAME?	0.86		-0.02	#NAME?	#NAME?		T				
	2.84	2.99	3.78	3.78	2.94	4.06	3.03	147	1.89	1.82	2.63	1.33	#NAME?	0.63		-137	#NAME?	#NAME?						
	3.66	3.46	3.45	3.24	0.54	3.3/	2.50	4.24	3.74	3.55	2.26	4.24	#NAME?	0.49		0.4/	#NAME?	RNAME?						
	2.66	7.69	7.38	2.27	7.85	2.11	7.88	7.55	8.18	7.80	9.02	8.60	#NAME?	0.04		192	#NAME?	HNAME?						
	2.00	2.00	9.55	2.57	2.30	9.70	9.01	9.30	9.04	9.20	9.26	4.37	HNAME?	0.02		-0.41	HNAME?	HINAME?						
	3.54	2.39	3.81	2.31	2.37	3.32	164	2.14	0.36	0.53	0.93	174	#NAME?	0.89		-173	#NAME?	#NAME?						
	4.94	5.41	5.07	5.24	5.13	5.44	1.74	2.96	4.42	4.15	2.33	3.75	#NAME?	0.00		-199	#NAME?	#NAME?						
	0.96	0.86	0.87	1.28	1.67	1.36	2.37	1.21	111	0.89	2.95	0.76	#NAME?	0.04		0.38	#NAME?	#NAME?		0.00				_
	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.97	4.02	7.48	2.49	#NAME?	0.01		0.99	#NAME?	#NAME?		-8.0	-6.0 -4	4.0 -2.0	0.0 2.0	4.0
	4.53	4.60	4.76	4.64	5.06	4.71	2.37	4.58	4.92	4.68	2.95	4.65	#NAME?	0.00		-0.69	#NAME?	#NAME?				log2 fold o	hange tr/ctrl	
	5.66	6.40	6.53	6.42	6.23	6.27	6.57	5.95	5.92	5.60	5.88	5.29	#NAME?	0.50		-0.38	#NAME?	#NAME?				gr 1014 0		
	2.65	2.35	5.63	2.44	3.85	2.18	1.87	2.89	4.85	4.81	2.03	5.60	#NAME?	0.70		0.49	#NAME?	#NAME?						
	7.57	7.75	7.86	7.71	8.42	7.65	7.97	7.31	7.98	7.69	8.64	7.90	#NAME?	0.46		0.09	#NAME?	#NAME?						
	5.64	5.64	5.84	5.45	6.05	5.48	6.83	6.15	5.36	5.83	6.95	5.97	#NAME?	0.05		0.50	#NAME?	#NAME?						
	3.24	4.32	0.73	2.00	4.50	0.83	4.30	4.43	2.60	2.20	0.0/	2.79	#PLANE?	0.24		0.54	#NAME /	HINAME (
	0.89	108	2.33	136	2.00	3.03	3.43	0.65	114	0.94	4.06	0.53	#NAME?	0.00		0.41	#NAME?	tiNAME?						
	5.60	5.89	5.90	5.95	6.29	6.29	7.55	5.45	5.86	6.13	7.92	6.34	#NAME?	0.01		0.55	#NAME?	#NAME?						
	3.96	3.22	2.51	3.14	4.40	3.37	4.89	3.65	3.11	3.43	4.92	3.60	#NAME?	0.74		0.50	#NAME?	#NAME?						
	8.40	8.75	8.81	8.71	8.51	8.74	8.66	8.21	7.92	8.32	8.82	7.97	#NAME?	0.10		-0.33	#NAME?	#NAME?						
	5.70	5.82	6.00	5.76	6.42	5.92	5.97	5.47	5.69	5.76	6.25	5.42	#NAME?	0.69		-0.18	#NAME?	#NAME?						
	5.93	6.30	6.57	6.29	6.13	6.63	6.62	5.83	5.97	5.96	6.68	6.15	#NAME?	0.51		-0.11	#NAME?	#NAME?						
	4.49	3.71	3.96	4.30	3.39	4.51	2.51	4.62	4.02	3.75	3.50	4.16	#NAME?	0.33		-0.30	#NAME?	#NAME?						
													• • • • • • • • • • • • • • • • • • •				AND A R A R AND A							

9. A valid value should appear. Fill down the formula to the end of the column.

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Forn 🎸	, nat Painte	в 1	<u>U</u> -	- Č	• <u>A</u> •	5 5 5	42 4 2	🔁 Me	erge & Ce	nter *	\$ - %	9 <u>00</u>	.00 Cond	itional Fo	ormat as Table *	Neutral	Calculation	Check Cell	, ⊓	isert Delete	Format	Clear 👻	Sort & Fil Filter * Se	ind & elect *
lipboard	ł	5	Fo	nt	6		Alig	nment		r,	Numb	ber	5	itting	lable		Styles			Cells		Ed	diting	neer
	• :	×	/ fx	=MIN	(SWTEST	(BH2:BM	2),SWTES	T(BN2:B	(\$2))															
BG	ВН	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	
pute	Ctrl-1	Ctrl-2	Ctrl-3	Ctrl-4	Ctrl-5	Ctrl-6	Tr-1	Tr-2	Tr-3	Tr-4	Tr-5	Tr-6	SW test	F-test	Volcano	Fold change	p-value	p-value Bonferroni corrected						
	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	0.05	0.19		-2.08	#NAME?	#NAME?						
	1.55	3.45	3.29	3.50	3.76	3.67	1.90	1.29	1.84	1.89	2.42	2.12	#NAME?	0.10		-1.30	#NAME?	#NAME?				Volcano plo	ot	
	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	#NAME?	0.05		-2.00	#NAME?	#NAME?		4 32				
	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	#NAME?	0.16		0.64	#NAME?	#NAME?		4.52				
	5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	#NAME?	0.21		0.90	#NAME?	#NAME?						
	5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	#NAME?	0.00		-0.77	#NAME?	#NAME?						
	2.35	2.77	2.05	-0.09	2.54	2.02	6.89	2.21	2.73	3.10	6.35	4.84	#NAME?	0.21		2.98	#NAME?	#NAME?						
	2.60	2.77	2.00	3.10	3.31	3.02	5.05	2.75	2.06	179	5.40	3.40	HNAMME ?	0.02		107	HNAME ?	HNAME?						
	3.49	3.23	3.83	4.21	4.09	3.61	3.09	3.14	2.00	169	2.99	4.93	#NAME?	0.02		-0.77	#NAME?	#NAME?						
	4.94	4 70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	#NAME?	0.00		-0.64	#NAME?	#NAME?		-				
	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	#NAME?	0.42		0.03	#NAME?	#NAME?		ure.				
	2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	#NAME?	0.11		-0.28	#NAME?	#NAME?		Na				
	4.51	1.63	1.64	2.00	4.11	3.82	3.72	4.76	4.58	4.71	3.94	4.76	#NAME?	0.04		1.46	#NAME?	#NAME?		4				
	7.74	7.78	7.94	7.74	8.22	7.91	8.36	7.53	8.11	8.08	9.12	8.27	#NAME?	0.04		0.36	#NAME?	#NAME?		SI				
	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83	7.86	8.51	7.60	#NAME?	0.16		0.03	#NAME?	#NAME?		91-1				
	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	1.99	2.95	2.25	#NAME?	0.87		-0.79	#NAME?	#NAME?		2				
	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95	4.13	3.79	3.98	#NAME?	0.09		-0.69	#NAME?	#NAME?		ğ				
	7.65	2.00	2.79	8.56	8.65	8.86	8.44	1.73	8.37	8.55	9.22	8.54	HNAME?	0.85		-0.02	#NAME /	HNAME /						
	2.04	3.46	3.70	3.70	0.54	9.00	2.50	4.24	3.74	3.55	2.63	4.24	HNAME?	0.65		-1.37	#NAME?	HINAME?						
	7.48	7.69	7.38	7.79	7.95	7.81	7.99	7.55	8.18	7.80	9.02	8.60	#NAME?	0.43		0.51	#NAME?	#NAME?						
	2.66	2.60	3.53	2.37	2.36	2.11	4.61	4.36	4.58	4.20	4.48	4.37	#NAME?	0.02		183	#NAME?	#NAME?						
	8.19	8.75	8.55	8.61	8.48	8.70	8.78	8.26	8.04	7.93	8.26	7.56	#NAME?	0.14		-0.41	#NAME?	#NAME?						
	3.54	2.39	3.81	2.31	2.37	3.32	1.64	2.14	0.36	0.53	0.93	1.74	#NAME?	0.89		-1.73	#NAME?	#NAME?						
	4.94	5.41	5.07	5.24	5.13	5.44	1.74	2.96	4.42	4.15	2.33	3.75	#NAME?	0.00		-1.99	#NAME?	#NAME?						
	0.96	0.86	0.87	1.28	1.67	1.36	2.37	1.21	111	0.89	2.95	0.76	#NAME?	0.04		0.38	#NAME?	#NAME?		0.00				
	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.97	4.02	7.40	2.49	#NAME?	0.01		0.99	#NAME?	#NAME?		-8.0	-6.0	-4.0 -2.0 (0.0 2.0	4.
	4.53	4.60	4.76	4.64	5.06	4.71	2.37	4.58	4.92	4.68	2.95	4.65	#NAME?	0.00		-0.69	#NAME?	#NAME?				log2 fold char	nge tr/ctrl	
	5.66	6.40	6.53	6.42	6.23	6.27	6.57	5.95	5.92	5.60	5.88	5.29	#NAME?	0.50		-0.38	#NAME?	#NAME?					-	
	2.65	2.35	5.63 7.00	2.44	3.85	2.18	7.97	2.89	4.65	4.81	2.03	5.60	HINAME?	0.70		0.49	HINDAME ?	HNAME?						
	5.64	5.64	5.84	5.45	6.05	5.49	6.83	6.15	7.30	7.63	6.95	5.97	#NAME?	0.45		0.03	HINDONE ?	HINDAME /						
	5.24	4.92	5.73	5.86	4.50	6.83	4.36	4.43	7.39	7.26	5.57	7.30	#NAME?	0.24		0.54	#NAME?	#NAME?						
	2.99	3.03	2.95	2.90	2.86	3.83	3.49	2.65	2.60	2.75	2.77	2.79	#NAME?	0.80		-0.25	#NAME?	#NAME?						
	0.89	1.08	2.23	136	1.16	1.55	3.42	0.65	114	0.94	4.06	0.53	#NAME?	0.02		0.41	#NAME?	#NAME?						
	5.60	5.89	5.90	5.95	6.29	6.29	7.55	5.45	5.86	6.13	7.92	6.34	#NAME?	0.01		0.55	#NAME?	#NAME?						
	3.96	3.22	2.51	3.14	4.48	3.37	4.89	3.65	3.11	3.43	4.92	3.60	#NAME?	0.74		0.50	#NAME?	#NAME?						
	8.40	8.75	8.81	8.71	8.51	8.74	8.66	8.21	7.92	8.32	8.82	7.97	#NAME?	0.10		-0.33	#NAME?	#NAME?						
	5.70	5.82	6.00	5.76	6.42	5.92	5.97	5.47	5.69	5.76	6.25	5.42	#NAME?	0.69		-0.18	#NAME?	#NAME?						
	5.93	6.30	6.57	6.29	6.13	6.63	6.62	5.83	5.97	5.96	6.68	6.15	#NAME?	0.51		-0.11	#NAME?	#NAME?						
	4.49	3.71	3.96	4.30	3.39	4.51	2.51	4.62	4.02	3.75	3.50	4.16	#NAME?	0.33		-0.30	#NAME?	#NAME?						
	5.92	5.93	5.82	5.92	5.99	6.26	6.30	5.81	5.24	5.19	6.31	5.22	THNAME?	0.01		.0.29	INDME?	111/01/16/2						

9. Repeat the same operation in the column of the p-value "BX". This is for the Mann-Whitney test

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Clipboard		6	For	nt	6		Ali	gnment		5	Num	ber	6				Styles				Cells	E	diting	
	*	×	🖌 fx	=-LO0	G(IF(BT2<	<0.05,'C:'	\Users\La	bHead\A	ppData\f	Roamin	g\Microso	ft\AddIr	s\RealSta	its.xlam'	IMTEST	BH2:BM2,BN2	::BS2),IF(BU2<0.05	,TTEST(BH2:BM2,BN2	2:BS2 ,2	2,3),TTE	ST(BH2:BM	2,BN2:BS2,2,2)),2)	
BG	BH	BI	BJ	BK	IF(logi	cal_test, [value_if_t	rue], [valu	e_if_false]	BQ	BR	BS	BT	BU	BV	BW	BX	BY p-value Bopferropi	BZ	_	CA (B CC	CD	(
mpute	Ctrl-1	Ctrl-2	Ctrl-3	Ctrl-4	Ctrl-5	Ctrl-6	Tr-1	Tr-2	Tr-3	Tr-4	Tr-5	Tr-6	SW test	F-test	Volcano	Fold change	p-value	corrected						
	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	0.05	0.19	1	-2.08	=-LOG(IF(BT2<0.05,'C:VJ	s #NAME?				Valaana ni	-+	
	1.55	3.45	3.29	3.50	3.76	3.67	1.90	1.29	1.84	1.89	2.42	2.12	0.00	0.10		-1.30	#NAME?	#NAME?				voicano pi	σι	
	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	0.02	0.05		-2.00	#NAME?	#NAME?		30.2	4			
	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	0.29	0.16		0.64	4.51	-194			-			
	5.33	4.42	4.26	4.54	5.41	4.90	6.28	5.75	4.77	4.84	6.87	6.43	0.21	0.21		0.90	4.10	-2.07						
	5.03	5.34	0.26	5.19	5.69	5.72	5.79	5.34	3.20	0.56	2.24	5.52	0.04	0.00		-0.77	#REAME?	#NAME?		25.9	2			
	2.33	2.77	2.05	-0.09	2.54	2.02	0.89	2.21	2./3	3.10	0.35	4.84	0.36	0.21		2.98	C5.0	-124		20.0	2			
	2.60	2.29	2.00	2.04	3.31	2.15	5.95	2.75	2.06	179	5.46	3.45	0.06	0.02		107	197	-3.04						
	2.49	3.23	2.63	4.21	4.09	2.13	3.09	2.14	2.06	169	2.99	4.92	0.06	0.02		-0.77	2.59	-2.74		21.6	0			
	4.94	4 70	4.16	4.21	4.03	4.84	2.30	4.75	4.75	4.37	2.03	6.14	0.33	0.03		-0.77	143	-2.92		21.0	0	• •		
	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	0.03	0.42		0.03	#NAME?	#NAME2		91				
	2.87	2.55	2.94	3 19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	0.01	0.11		-0.28	#NAME?	IINAME?		le				
	4.51	163	164	2.00	4.11	3.82	3.72	4.76	4.58	4.71	3.94	4.76	0.04	0.04		146	#NAME?	#NAME?		E 17.2	8		•	
	7.74	7.78	7.94	7.74	8.22	7.91	8.36	7.53	8.11	8.08	9.12	8.27	0.13	0.04		0.36	2.65	-2.50		st			1.1.5	
	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83	7.96	8.51	7.60	0.25	0.16		0.03	0.19	-3.25		ę.		1	1 . A.	
	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	1.99	2.95	2.25	0.04	0.87		-0.79	#NAME?	#NAME?		\$ 12.9	6		1.1.1.1.1	
	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95	4.13	3.79	3.98	0.09	0.09		-0.69	6.22	-143		ġ.				•
	7.65	8.50	8.78	8.56	8.65	8.86	8.44	7.73	8.37	8.55	9.22	8.54	0.04	0.86		-0.02	#NAME?	#NAME?		4		1.945		•.
	2.84	2.99	3.78	3.78	2.94	4.06	3.03	1.47	1.89	1.82	2.63	1.33	0.13	0.63		-1.37	8.44	-0.76		8.6	4			
	3.66	3.46	3.45	3.24	0.54	3.37	2.58	4.24	3.74	3.55	2.26	4.24	0.00	0.49		0.47	#NAME?	#NAME?			•			
	7.48	7.69	7.38	7.79	7.85	7.81	7.88	7.55	8.18	7.80	9.02	8.60	0.26	0.04		0.51	3.71	-2.19						2
	2.66	2.60	3.53	2.37	2.36	2.11	4.61	4.36	4.58	4.20	4.48	4.37	0.15	0.02		1.83	12.88	0.57		43	2	 • • • • • • • • • • • • • • • • • • •	100	C • •
	8.19	8.75	8.55	8.61	8.48	8.70	8.78	8.26	8.04	7.93	8.26	7.56	0.41	0.14		-0.41	4.25	-2.02		4.5	2	19.24	1.11	
	3.54	2.39	3.81	2.31	2.37	3.32	1.64	2.14	0.36	0.53	0.93	1.74	0.10	0.89		-173	9.29	-0.51					1.1	
	4.94	5.41	5.07	5.24	5.13	5.44	1.74	2.96	4.42	4.15	2.33	3.75	0.67	0.00		-1.99	7.53	-104		0.0	0		1 N -	
	0.96	0.86	0.87	128	1.67	1.36	2.37	121	111	0.89	2.95	0.76	0.13	0.04		0.38	1.48	-2.86		0.0	0.0.00	40 00	0.0 0.0	
	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.97	4.02	7.40	2.49	0.38	0.01		0.99	1.96	-2.71			-8.0 -6.0	-4.0 -2.0	0.0 2.0	4.0
	4.53	4.60	4.76	4.64	5.06	4.71	2.37	4.58	4.92	4.68	2.95	4.65	0.04	0.00		-0.69	#NAME?	#NAME?				log2 fold ch	ange tr/ctrl	
	5.66	6.40	6.53	6.42	6.23	6.27	6.57	5.95	5.92	5.60	5.88	5.29	0.08	0.50		-0.38	3.26	-2.32				-	_	
	2.65	2.35	5.63	2.44	3.85	2.18	1.87	2.89	4.85	4.81	2.03	5.60	0.04	0.70		0.49	HNIAME?	HNAME?						
	1.3/ E.CA	r./5	7.00 E.0.4	7.71 E.4E	0.42	C.6.1	6.02	7.3I	7.38 E.20	7.63 E.02	6.64 C 05	7.30	0.04	0.46		0.09	HTDAME /	HIVH/YE /						
	5.24	4.92	5.72	0.40 E.00	4.60	0.48	0.83	0.10	7.29	7.26	6.35	7.20	0.43	0.05		0.50	3.21	-2.33						
	2.99	9.32	2.95	2.00	9.00	2.02	9.30	9.93	2.60	2.75	2.77	2.30	0.06	0.24		-0.25	HNAME2	*2.33 #NIANE2						
	0.89	108	2.33	136	116	155	3.43	0.65	114	0.94	4.06	0.53	0.05	0.00		0.41	0.95	-3.05						
	5.60	5.89	5.90	5.95	6.29	6.29	7.55	5.45	5.86	6.13	7.92	6.34	0.32	0.02		0.55	2 11	-2.67						
	3.96	3.22	2.51	3.14	4.40	3.37	4.89	3.65	3.11	3.43	4.92	3.60	0.02	0.74		0.50	196	-2.71						
	8.40	8.75	8.81	8.71	8.51	8.74	8.66	8.21	7.92	8.32	8.82	7.97	0.20	0.10		-0.33	3.89	-2 13						
	5.70	5.82	6.00	5.76	6.42	5.92	5.97	5.47	5.69	5.76	6.25	5.42	0.19	0.69		-0.18	1.69	-2.79						
	5.93	6.30	6.57	6.29	6.13	6.63	6.62	5.83	5.97	5.96	6.68	6.15	0.16	0.51		-0.11	0.82	-3.05						
	4.49	3.71	3.96	4.30	3.39	4.51	2.51	4.62	4.02	3.75	3.50	4.16	0.49	0.33		-0.30	1.29	-2.91						
					E 00	0.00	6.00	E 01	E 24	E 19	E 21	E 22	0.00	0.01		0.00	2.00	2.70						

This is what spreadsheet should like if the Realstats Add-in works correctly.

🔏 Cut		Tabor	na .	8 -		= = -	×2	₽w,	ran Tevt		Number		- 8			Normal	Bad	Good	- 4	🖮 🖹 🙀		∑ AutoSum →	Aw .	44
Copy	/ ~	Tanon					= •⁄				the of			itional F	armat ac	Neutral	Calculation	Check Cell		ert Delete Fr	ormat	🕹 Fill *	Z " I	ind 8
💕 Form	nat Painter	В 1	Ū	± • •	• <u>A</u> •	= = :	e += +=	: 🔛 Me	erge & Ce	nter *	\$*%	.00	Forma	atting *	Table *	Neutrai	Calculation	Check Cell	- "ing	* *	*	🗶 Clear 👻	Filter * Se	elect *
lipboard	i	5	Fo	nt	5		Alig	nment		G.	Numb	ber	r5				Styles			Cells		Ed	iiting	
	• :	×	/ fx	=-LOO	G(IF(BT2<	0.05,MT	EST(BH2:E	BM2,BN2	2:BS2),IF(BU2<0.	05,TTEST(BH2:BM	2,BN2:BS	2,2,3),TT	EST(BH2	:BM2,BN2:BS2,	2,2))),2)							
BG	ВН	BI	BJ	ВК	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD	
pute	Ctrl-1	Ctrl-2	Ctrl-3	Ctrl-4	Ctrl-5	Ctrl-6	Tr-1	Tr-2	Tr-3	Tr-4	Tr-5	Tr-6	S₩ test	F-test	Volcano	Fold change	p-value	p-value Bonferroni corrected						
_	3.58	4.39	5.65	4.42	3.99	3.78	0.69	2.87	3.08	3.05	0.19	3.46	0.05	0.19		-2.08	8.98	-0.73						
	1.55	3.45	3.29	3.50	3.76	3.67	1.90	1.29	1.84	1.89	2.42	2.12	0.00	0.10		-1.30	5.74	-170			١	/oicano plo	π	
	3.51	3.69	3.61	5.76	3.89	6.06	1.16	3.12	6.00	5.66	-2.27	0.88	0.02	0.05		-2.00	3.74	-2.31		20.24				
	5.11	5.32	4.87	5.18	5.74	5.49	6.30	5.35	5.55	5.54	6.96	5.85	0.29	0.16		0.64	4.51	-2.07		30.24				
	5.39	4.42	4.26	4.54	5.41	4.90	6.28	5.15	4.77	4.84	6.87	6.43	0.21	0.21		0.90	4.10	-2.20						
	5.09	5.34	5.26	5.19	5.69	5.72	5.79	5.34	3.20	5.56	2.24	5.52	0.04	0.00		-0.77	1.00	-3.13		05.00				
	2.35	1.86	1.21	-0.09	2.54	0.35	6.89	2.21	2.73	3.10	6.35	4.84	0.36	0.21		2.98	6.85	-1.37		25.92				
	2.60	2.77	3.05	3.16	3.31	3.02	2.27	2.75	3.40	3.69	3.27	3.45	0.38	0.14		0.15	0.89	-3.17						
	1.08	2.29	2.69	2.04	1.41	2.15	5.85	1.00	2.06	1.79	5.46	1.90	0.06	0.02		1.07	1.87	-2.87						
	3.49	3.23	3.83	4.21	4.09	3.61	3.09	3.14	2.03	1.69	2.99	4.93	0.39	0.03		-0.77	2.59	-2.65		21.60	•	•		
	4.94	4.70	4.16	4.97	4.58	4.84	2.30	4.75	4.75	4.37	2.02	6.14	0.27	0.00		-0.64	1.43	-3.00	g	2				
	7.64	7.56	7.78	8.24	8.06	7.46	7.96	7.49	7.59	7.65	8.66	7.58	0.03	0.42		0.03	1.00	-3.13						
	2.87	2.55	2.94	3.19	0.65	2.80	-0.12	3.58	3.57	3.34	-0.62	3.59	0.01	0.11		-0.28	2.57	-2.66	22	17.28		1. A. A. A. A.	· · ·	
	4.51	1.63	1.64	2.00	4.11	3.82	3.72	4.76	4.58	4.71	3.94	4.76	0.04	0.04		146	5.74	-170	4			• •		
	7.74	7.78	7.94	7.74	8.22	7.91	8.36	7.53	8.11	8.08	9.12	8.27	0.13	0.04		0.36	2.65	-2.63	100	5			1.2	
	8.09	8.09	7.92	7.86	8.31	7.80	8.48	7.97	7.83	7.86	8.51	7.60	0.25	0.16		0.03	0.19	-3.38	1	12.06			1.4.2	
	2.87	3.39	2.85	2.93	3.57	3.05	2.28	2.18	2.24	1.99	2.95	2.25	0.04	0.87		-0.79	6.94	-134	2	12.90		1. 14 .	1. 1. 2.	۰.
	4.18	4.43	4.47	4.73	4.56	4.81	2.85	4.33	3.95	4.13	3.79	3.98	0.09	0.09		-0.69	6.22	-156		2			Sec. 1	
	7.65	8.50	8.78	8.56	8.65	8.86	8.44	7.73	8.37	8.55	9.22	8.54	0.04	0.86		-0.02	z.24	-2.76		0.04			A	
	2.84	2.99	3.78	3.78	2.94	4.06	3.03	147	1.89	1.82	2.63	1.33	0.13	0.63		-1.37	8.44	-0.89		8.64		101 CALL.	1 1 1 1 1 1 1	
	3.66	3.46	3.45	3.24	0.54	3.3/	2.50	4.24	3.74	3.55	2.26	4.24	0.00	0.49		0.4/	2.83	-2.55			- 1.	·		
	2.66	7.69	7.38	2.27	7.85	7.81	7.88	1.00	8.18	7.80	9.02	8.60	0.26	0.04		0.51	3.71	-2.32				1.0		× .
	2.65	2.60	3.53 0 EE	2.37	2.50	2.11	9.51	4.3b	9.08	4.20	4.48	4.3/ 7.5C	0.15	0.02		183	12.88	0.44		4.32			2 20	
	2.64	2.29	2.01	2.01	0.40	3.22	0.70	2.14	0.04	7.33	0.20	174	0.41	0.09		-0.41	4.20	-2.0				28	- S.	1
	4.94	5.41	5.07	5.24	5.12	5.32	174	2.96	4.42	4.15	2.22	2.75	0.10	0.03		-199	7.52	-0.69				1.1	100 C	
	0.96	0.86	0.87	128	167	136	2.37	121	111	0.89	2.95	0.75	0.07	0.00		0.38	148	-2.99		0.00				
	4.36	3.62	3.75	3.91	4.28	3.05	6.74	4.30	3.97	4.02	7.40	2.49	0.38	0.01		0.99	196	-2.84		-8.0	-6.0	40 -20	0.0 20	4
	4.53	4.60	4.76	4.64	5.06	4.71	2.37	4.58	4.92	4.68	2.95	4.65	0.04	0.00		-0.69	2.57	-2.66		0.0	0.0	la a O falal alea		т.
	5.66	6.40	6.53	6.42	6.23	6.27	6.57	5.95	5.92	5.60	5.88	5.29	0.08	0.50		-0.38	3.26	-2.45				logz iola cha	nge tr/ctri	
	2.65	2.35	5.63	2.44	3.85	2.18	1.87	2.89	4.85	4.81	2.03	5.60	0.04	0.70		0.49	1.20	-3.07						
	7.57	7.75	7.86	7.71	8.42	7.65	7.97	7.31	7.98	7.69	8.64	7.90	0.04	0.46		0.09	2.24	-2.76						
	5.64	5.64	5.84	5.45	6.05	5.48	6.83	6.15	5.36	5.83	6.95	5.97	0.49	0.05		0.50	3.21	-2.46						
	5.24	4.92	5.73	5.86	4.50	6.83	4.36	4.43	7.39	7.26	5.57	7.30	0.06	0.24		0.54	1.16	-3.08						
	2.99	3.03	2.95	2.90	2.86	3.83	3.49	2.65	2.60	2.75	2.77	2.79	0.00	0.80		-0.25	5.74	-170						
	0.89	1.08	2.23	1.36	1.16	1.55	3.42	0.65	1.14	0.94	4.06	0.53	0.05	0.02		0.41	0.85	-3.18						
	5.60	5.89	5.90	5.95	6.29	6.29	7.55	5.45	5.86	6.13	7.92	6.34	0.32	0.01		0.55	2.11	-2.80						
	3.96	3.22	2.51	3.14	4.40	3.37	4.89	3.65	3.11	3.43	4.92	3.60	0.09	0.74		0.50	1.96	-2.84						
	8.40	8.75	8.81	8.71	8.51	8.74	8.66	8.21	7.92	8.32	8.82	7.97	0.20	0.10		-0.33	3.89	-2.26						
	5.70	5.82	6.00	5.76	6.42	5.92	5.97	5.47	5.69	5.76	6.25	5.42	0.19	0.69		-0.18	1.69	-2.92						
	5.93	6.30	6.57	6.29	6.13	6.63	6.62	5.83	5.97	5.96	6.68	6.15	0.16	0.51		-0.11	0.82	-3.18						
	4.49	3.71	3.96	4.30	3.39	4.51	2.51	4.62	4.02	3.75	3.50	4.16	0.49	0.33		-0.30	1.29	-3.04						