

Supplemental Data Set 1. ANOVA Tables

Sum Sq = Sum of squares; df = degrees of freedom; Mean Sq = Mean Squares

Figure 1A

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.03702	0.01234	40.75	< 0.0001
Residual	12	0.003634	0.0003029		
Total	15	0.04066			

Figure 1B

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.001269	0.0004231	25.69	< 0.0001
Residual	12	0.0001976	0.00001647		
Total	15	0.001467			

Figure 1C column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.007182	0.002394	16.83	0.0001
Residual	12	0.001707	0.0001422		
Total	15	0.008889			

Figure 1C column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1.305	0.4349	25.89	< 0.0001
Residual	12	0.2015	0.0168		
Total	15	1.506			

Figure 1C column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	329.2	109.7	24.08	< 0.0001
Residual	12	54.7	4.558		
Total	15	383.9			

Figure 1C column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.4349	0.145	50.96	< 0.0001
Residual	12	0.03414	0.002845		
Total	15	0.4691			

Figure 1D column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	144.5	48.18	45.07	< 0.0001
Residual	12	12.83	1.069		
Total	15	157.4			

Figure 1D column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	2.061	0.687	19.81	< 0.0001
Residual	12	0.4161	0.03467		
Total	15	2.477			

Figure 1D column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	16.96	5.652	213.4	< 0.0001
Residual	12	0.3177	0.02648		
Total	15	17.27			

Figure 1D column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.00001694	0.000005648	28.69	< 0.0001
Residual	12	0.000002362	1.968E-07		
Total	15	0.0000193			

Figure 1E column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.00004007	0.00001336	5.738	0.013
Residual	11	0.0000256	0.000002327		
Total	14	0.00006567			

Figure 1E column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.003738	0.001246	13.12	0.0004
Residual	12	0.001139	0.00009496		
Total	15	0.004878			

Figure 1E column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.0002251	0.00007504	6.715	0.0065
Residual	12	0.0001341	0.00001117		
Total	15	0.0003592			

Figure 1E column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.001858	0.0006193	7.319	0.0048
Residual	12	0.001015	0.00008461		
Total	15	0.002873			

Figure 2A row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	15457	5152	11.78	0.0007
Residual	12	5249	437.4		
Total	15	20705			

Figure 2A row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	935125	311708	12.86	0.0005
Residual	12	290974	24248		
Total	15	1226000			

Figure 2A row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1632000	543867	13.22	0.0004
Residual	12	493735	41145		
Total	15	2125000			

Figure 2A row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	2715000	904930	13.31	0.0004
Residual	12	815829	67986		
Total	15	3531000			

Figure 2A row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	26.16	8.719	12.09	0.0006
Residual	12	8.656	0.7213		
Total	15	34.81			

Figure 2A row 2 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1892	630.7	15.36	0.0002
Residual	12	492.6	41.05		
Total	15	2385			

Figure 2A row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	2023	674.2	13.62	0.0004
Residual	12	594.1	49.51		
Total	15	2617			

Figure 2A row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1345	448.3	15.9	0.0002
Residual	12	338.5	28.2		
Total	15	1683			

Figure 2A row 3 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1.521E+12	5.072E+11	13.73	0.0003
Residual	12	4.432E+11	36940000000		
Total	15	1.965E+12			

Figure 2A row 4 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	205.6	68.54	25.13	< 0.0001
Residual	12	32.73	2.727		
Total	15	238.3			

Figure 2A row 4 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	42.48	14.16	30.93	< 0.0001
Residual	12	5.494	0.4579		
Total	15	47.98			

Figure 2B row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	128135	42712	4.218	0.0297
Residual	12	121516	10126		
Total	15	249651			

Figure 2B row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	2970000	990098	9.22	0.0019
Residual	12	1289000	107390		
Total	15	4259000			

Figure 2B row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	2975000	991511	9.455	0.0017
Residual	12	1258000	104861		
Total	15	4233000			

Figure 2B row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	3489000	1163000	11.64	0.0007
Residual	12	1199000	99920		
Total	15	4688000			

Figure 2B row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	43870000	14620000	9.2	0.002
Residual	12	19070000	1589000		
Total	15	62940000			

Figure 2B row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	83991	27997	6.043	0.0095
Residual	12	55593	4633		
Total	15	139584			

Figure 2B row 4 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	4098000	1366000	10.33	0.0012
Residual	12	1587000	132228		
Total	15	5685000			

Figure 2B row 4 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	696480	232160	9.59	0.0016
Residual	12	290514	24210		
Total	15	986994			

Figure 3C column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	5	3273	654.6	28.31	< 0.0001
Residual	18	416.2	23.12		
Total	23	3689			

Figure 3C column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	5	25945	5189	49.16	< 0.0001
Residual	18	1900	105.6		
Total	23	27845			

Figure 4A row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	54376	18125	7.801	0.0037
Residual	12	27880	2323		
Total	15	82255			

Figure 4A row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	43414	14471	7.387	0.0046
Residual	12	23510	1959		
Total	15	66924			

Figure 4A row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1236000	412149	2.113	0.152
Residual	12	2341000	195079		
Total	15	3577000			

Figure 4A row 1 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	891.4	297.1	0.5364	0.6662
Residual	12	6648	554		

Total	15	7539
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Figure 4A row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	380192	126731	54.42	< 0.0001
Residual	12	27943	2329		
Total	15	408136			

Figure 4A row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	557.6	185.9	0.2581	0.8541
Residual	12	8641	720.1		
Total	15	9198			

Figure 4A row 2 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1242000	414082	1.304	0.3183
Residual	12	3811000	317545		
Total	15	5053000			

Figure 4A row 2 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	11065	3688	0.6578	0.5935
Residual	12	67285	5607		
Total	15	78349			

Figure 4A row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	800680	266893	2.921	0.0775
Residual	12	1096000	91372		
Total	15	1897000			

Figure 4A row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	45446	15149	2.535	0.106
Residual	12	71718	5977		
Total	15	117164			

Figure 4A row 3 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	627572	209191	0.8537	0.4911
Residual	12	2940000	245027		
Total	15	3568000			

Figure 4A row 3 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	1824	607.9	1.351	0.3044
Residual	12	5400	450		
Total	15	7224			

Figure 4B row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	180728	90364	69.35	< 0.0001
Residual	6	7818	1303		
Total	8	188546			

Figure 4B row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	134588	67294	18.5	0.0027

Residual	6	21827	3638
Total	8	156415	

Figure 4B row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1512000	756054	4.591	0.0617
Residual	6	988081	164680		
Total	8	2500000			

Figure 4B row 1 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	6117	3059	2.852	0.1347
Residual	6	6434	1072		
Total	8	12551			

Figure 4B row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	278835	139418	20.34	0.0021
Residual	6	41119	6853		
Total	8	319954			

Figure 4B row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	67620	33810	11.98	0.008
Residual	6	16936	2823		
Total	8	84555			

Figure 4B row 2 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	446713	223356	0.8801	0.4622
Residual	6	1523000	253800		
Total	8	1970000			

Figure 4B row 2 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	77124	38562	3.847	0.0841
Residual	6	60147	10024		
Total	8	137271			

Figure 4B row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	2765000	1383000	25.12	0.0012
Residual	6	330307	55051		
Total	8	3096000			

Figure 4B row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	3740000	1870000	123.2	< 0.0001
Residual	6	91093	15182		
Total	8	3831000			

Figure 4B row 3 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	115418	57709	0.1519	0.8623
Residual	6	2279000	379848		
Total	8	2395000			

Figure 4B row 3 column 4

	df	Sum Sq	Mean Sq	F-value	P-value
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Treatment	2	171.5	85.75	0.08841	0.9166
Residual	6	5819	969.9		
Total	8	5991			

Figure 5A row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	66693	33347	154.5	< 0.0001
Residual	7	1511	215.8		
Total	9	68204			

Figure 5A row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	3823000	1912000	250.6	< 0.0001
Residual	7	53406	7629		
Total	9	3877000			

Figure 5A row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	2654000	1327000	86.01	< 0.0001
Residual	7	107985	15426		
Total	9	2762000			

Figure 5A row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	9712000	4856000	56.82	< 0.0001
Residual	7	598250	85464		
Total	9	10310000			

Figure 5A row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	368.3	184.2	17.93	0.0018
Residual	7	71.91	10.27		
Total	9	440.2			

Figure 5A row 2 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	857	428.5	85.21	< 0.0001
Residual	7	35.2	5.028		
Total	9	892.2			

Figure 5A row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	12140	6070	107.4	< 0.0001
Residual	7	395.7	56.53		
Total	9	12536			

Figure 5A row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	8613	4306	130.4	< 0.0001
Residual	7	231.2	33.03		
Total	9	8844			

Figure 5A row 3 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	8808000000	4404000000	29.65	0.0004
Residual	7	1040000000	1486000000		
Total	9	9848000000			

Figure 5A row 4 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	4.243	2.121	58.52	< 0.0001
Residual	7	0.2537	0.03625		
Total	9	4.497			

Figure 5A row 4 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1.008	0.5042	471	< 0.0001
Residual	7	0.007494	0.001071		
Total	9	1.016			

Figure 5B row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	4239	2120	3.145	0.0982
Residual	8	5392	674.1		
Total	10	9632			

Figure 5B row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	249130	124565	7.458	0.0149
Residual	8	133613	16702		
Total	10	382744			

Figure 5B row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	305166	152583	11.07	0.005
Residual	8	110261	13783		
Total	10	415427			

Figure 5B row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1048000	523869	16.05	0.0016
Residual	8	261116	32639		
Total	10	1309000			

Figure 5B row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	3382000	1691000	13.74	0.0026
Residual	8	984724	123091		
Total	10	4367000			

Figure 5B row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	3555	1778	4.386	0.0518
Residual	8	3243	405.3		
Total	10	6798			

Figure 5B row 4 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	861666	430833	20.68	0.0007
Residual	8	166666	20833		
Total	10	1028000			

Figure 5B row 4 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	57341	28671	12.14	0.0038
Residual	8	18891	2361		
Total	10	76232			

Figure 6A column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.02893	0.01447	74.65	< 0.0001
Residual	9	0.001744	0.0001938		
Total	11	0.03068			

Figure 6A column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1.514	0.757	31.42	< 0.0001
Residual	9	0.2168	0.02409		
Total	11	1.731			

Figure 6A column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	51.36	25.68	33.1	< 0.0001
Residual	9	6.983	0.7759		
Total	11	58.34			

Figure 6A column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.1224	0.06118	10.45	0.0045
Residual	9	0.05268	0.005853		
Total	11	0.175			

Figure 6A column 5

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	70.45	35.23	26.48	0.0002
Residual	9	11.97	1.33		
Total	11	82.42			

Figure 6B column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.001012	0.0005058	13.99	0.0017
Residual	9	0.0003253	0.00003615		
Total	11	0.001337			

Figure 6B column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.001252	0.0006259	0.6455	0.5497
Residual	8	0.007758	0.0009697		
Total	10	0.00901			

Figure 6B column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.0188	0.0094	11.47	0.0033
Residual	9	0.007378	0.0008198		
Total	11	0.02618			

Figure 6B column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.003697	0.001849	16.17	0.001
Residual	9	0.001029	0.0001143		
Total	11	0.004726			

Figure 6B column 5

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.001307	0.0006535	8.595	0.0082
Residual	9	0.0006843	0.00007603		
Total	11	0.001991			

Figure 7A row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.4476	0.1119	6.363	0.0082
Residual	10	0.1758	0.01758		
Total	14	0.6234			

Figure 7A row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	1.049	0.2623	4.338	0.0272
Residual	10	0.6045	0.06045		
Total	14	1.653			

Figure 7A row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.9651	0.2413	5.183	0.016
Residual	10	0.4656	0.04656		
Total	14	1.431			

Figure 7A row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	1.964E+13	4.91E+12	17.99	0.0001
Residual	10	2.729E+12	2.729E+11		
Total	14	2.237E+13			

Figure 7A row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.0133	0.003325	8.489	0.003
Residual	10	0.003916	0.0003916		
Total	14	0.01721			

Figure 7A row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.001949	0.0004872	7.447	0.0048
Residual	10	0.0006542	0.00006542		
Total	14	0.002603			

Figure 7B row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.004482	0.001121	50.3	< 0.0001
Residual	10	0.0002228	0.00002228		
Total	14	0.004705			

Figure 7B row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.005154	0.001289	66.38	< 0.0001
Residual	10	0.0001941	0.00001941		
Total	14	0.005348			

Figure 7B row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.006478	0.00162	146.4	< 0.0001
Residual	10	0.0001106	0.00001106		
Total	14	0.006589			

Figure 7B row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.06422	0.01605	46.32	< 0.0001
Residual	10	0.003466	0.0003466		

Total	14	0.06768
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Figure 7B row 3 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.3893	0.09732	102.4	< 0.0001
Residual	10	0.009503	0.0009503		
Total	14	0.3988			

Figure 7B row 3 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	4	0.05584	0.01396	75.56	< 0.0001
Residual	10	0.001848	0.0001848		
Total	14	0.05769			

Figure 8A column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	106.7	53.35	20.12	0.0005
Residual	9	23.86	2.651		
Total	11	130.5			

Figure 8A column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.02174	0.01087	9.218	0.0084
Residual	8	0.009435	0.001179		
Total	10	0.03118			

Figure 8B column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	25.38	12.69	9.905	0.0053
Residual	9	11.53	1.281		
Total	11	36.91			

Figure 8B column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1.343	0.6715	12.92	0.0031
Residual	8	0.4158	0.05198		
Total	10	1.759			

Figure 8B column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	7.678	3.839	7.513	0.0146
Residual	8	4.088	0.511		
Total	10	11.77			

Figure 8B column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	3.176	1.588	9.17	0.0085
Residual	8	1.385	0.1732		
Total	10	4.562			

Figure 8C column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	60.49	30.24	40.72	< 0.0001
Residual	8	5.943	0.7428		
Total	10	66.43			

Figure 8C column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.004722	0.002361	17.41	0.0012

Residual	8	0.001085	0.0001357
Total	10	0.005807	

Figure 8C column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	5.241	2.621	8.835	0.0094
Residual	8	2.373	0.2966		
Total	10	7.614			

Figure 8C column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	0.00001509	0.000007547	3.062	0.1029
Residual	8	0.00001972	0.000002465		
Total	10	0.00003481			

Figure 9B column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	1296000	432147	41.06	< 0.0001
Genotype	3	1899000	632955	60.14	< 0.0001
Treatment	1	8337000	8337000	792.2	< 0.0001
Residual	24	252581	10524		

Figure 9B column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	55446	18482	2.112	0.1253
Genotype	3	607779	202593	23.15	< 0.0001
Treatment	1	280057	280057	32	< 0.0001
Residual	24	210059	8752		

Figure 9B column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	265059	88353	4.586	0.0113
Genotype	3	83559	27853	1.446	0.2543
Treatment	1	47671	47671	2.474	0.1288
Residual	24	462429	19268		

Figure 9C column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	1	1507	1507	0.1256	0.7292
Genotype	1	4716	4716	0.3931	0.5424
Treatment	1	700540	700540	58.4	< 0.0001
Residual	12	143955	11996		

Figure 9C column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	1	11985	11985	1.646	0.2237
Genotype	1	1918	1918	0.2634	0.6171
Treatment	1	3106	3106	0.4267	0.5259
Residual	12	87359	7280		

Figure 9C column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	1	78586	78586	0.8575	0.3727
Genotype	1	98137	98137	1.071	0.3212
Treatment	1	950673	950673	10.37	0.0073
Residual	12	1100000	91651		

Figure 10A row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
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Genotype: Treatment	3	4.659	1.553	1.113	0.373
Genotype	3	4.483	1.494	1.071	0.3893
Treatment	1	54.81	54.81	39.28	< 0.0001
Residual	16	22.33	1.395		

Figure 10A row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	0.1579	0.05263	1.514	0.249
Genotype	3	0.9631	0.321	9.237	0.0009
Treatment	1	1.799	1.799	51.76	< 0.0001
Residual	16	0.5561	0.03475		

Figure 10A row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	0.6496	0.2165	18.01	< 0.0001
Genotype	3	0.6535	0.2178	18.12	< 0.0001
Treatment	1	0.3446	0.3446	28.66	< 0.0001
Residual	16	0.1924	0.01202		

Figure 10A row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	4259	1420	11.34	0.0003
Genotype	3	4280	1427	11.4	0.0003
Treatment	1	67625	67625	540.3	< 0.0001
Residual	16	2002	125.2		

Figure 10A row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	0.0005708	0.0001903	1.211	0.3379
Genotype	3	0.0007291	0.000243	1.547	0.2411
Treatment	1	0.01566	0.01566	99.66	< 0.0001
Residual	16	0.002514	0.0001572		

Figure 10B row 1 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.152	0.07599	0.1375	0.8724
Genotype	2	0.1625	0.08126	0.1471	0.8643
Treatment	1	17.54	17.54	31.75	< 0.0001
Residual	18	9.946	0.5526		

Figure 10B row 1 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	1.458	0.7289	6.766	0.0064
Genotype	2	9.174	4.587	42.58	< 0.0001
Treatment	1	2.65	2.65	24.6	0.0001
Residual	18	1.939	0.1077		

Figure 10B row 1 column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.124	0.062	10.07	0.0012
Genotype	2	0.1288	0.06438	10.46	0.001
Treatment	1	0.1003	0.1003	16.3	0.0008
Residual	18	0.1108	0.006154		

Figure 10B row 2 column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	214.8	107.4	1.205	0.3228
Genotype	2	212.4	106.2	1.191	0.3267
Treatment	1	6850	6850	76.84	< 0.0001

Residual	18	1605	89.14
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Figure 10B row 2 column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.002815	0.001407	0.5037	0.6125
Genotype	2	0.001705	0.0008526	0.3052	0.7407
Treatment	1	0.07882	0.07882	28.21	< 0.0001
Residual	18	0.05029	0.002794		

Supplemental Figure 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	2	1.323	0.6617	60.84	0.0001
Residual	6	0.06525	0.01088		
Total	8	1.389			

Supplemental Figure 5

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	261388	87129	27.97	0.0001
Residual	8	24923	3115		
Total	11	286311			

Supplemental Figure 6A

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	0.00004141	0.0000138	0.2383	0.8683
Genotype	3	0.0142	0.004732	81.71	< 0.0001
Treatment	1	0.000017	0.000017	0.2936	0.5954
Residual	16	0.0009266	0.00005791		

Supplemental Figure 6B

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	3	0.00273	0.00091	44.88	< 0.0001
Genotype	3	0.01205	0.004016	198.1	< 0.0001
Treatment	1	0.0009862	0.0009862	48.64	< 0.0001
Residual	16	0.0003244	0.00002027		

Supplemental Figure 7A column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.0726	0.0242	89.52	< 0.0001
Residual	11	0.002973	0.0002703		
Total	14	0.07557			

Supplemental Figure 7A column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.003993	0.001331	4.098	0.0352
Residual	11	0.003573	0.0003248		
Total	14	0.007566			

Supplemental Figure 7B column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.7197	0.2399	35.61	< 0.0001
Residual	12	0.08085	0.006738		
Total	15	0.8006			

Supplemental Figure 7B column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.00001203	0.000004011	0.1802	0.9078
Residual	12	0.000267	0.00002225		
Total	15	0.0002791			

Supplemental Figure 7C column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.6963	0.2321	3.428	0.0726
Residual	8	0.5417	0.06772		
Total	11	1.238			

Supplemental Figure 7C column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	13.03	4.342	0.4853	0.7018
Residual	8	71.58	8.948		
Total	11	84.61			

Supplemental Figure 7C column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.001486	0.0004953	0.5775	0.6459
Residual	8	0.006861	0.0008576		
Total	11	0.008347			

Supplemental Figure 7C column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	15.47	5.158	0.9274	0.4706
Residual	8	44.5	5.562		
Total	11	59.97			

Supplemental Figure 7D column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.0003635	0.0001212	2.519	0.1317
Residual	8	0.0003848	0.0000481		
Total	11	0.0007483			

Supplemental Figure 7D column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.0365	0.01217	3.027	0.0935
Residual	8	0.03216	0.00402		
Total	11	0.06866			

Supplemental Figure 7D column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.002421	0.000807	1.894	0.2091
Residual	8	0.00341	0.0004262		
Total	11	0.005831			

Supplemental Figure 7D column 4

	df	Sum Sq	Mean Sq	F-value	P-value
Treatment	3	0.001177	0.0003923	3.24	0.0816
Residual	8	0.0009687	0.0001211		
Total	11	0.002146			

Supplemental Figure 7E column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.001401	0.0007003	5.689	0.0128
Genotype	2	0.0431	0.02155	175.1	< 0.0001
Treatment	1	0.001113	0.001113	9.045	0.0079
Residual	17	0.002092	0.0001231		

Supplemental Figure 7E column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.6678	0.3339	3.304	0.0613
Genotype	2	1.537	0.7685	7.604	0.0044

Treatment	1	5.306	5.306	52.51	< 0.0001
Residual	17	1.718	0.1011		

Supplemental Figure 7E column 3

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.009091	0.004546	2.8	0.0906
Genotype	2	0.01166	0.005831	3.592	0.0514
Treatment	1	0.2192	0.2192	135	< 0.0001
Residual	16	0.02597	0.001623		

Supplemental Figure 7F column 1

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.1652	0.08258	26.35	< 0.0001
Genotype	2	1.46	0.7302	233	< 0.0001
Treatment	1	0.1122	0.1122	35.78	< 0.0001
Residual	18	0.05642	0.003134		

Supplemental Figure 7F column 2

	df	Sum Sq	Mean Sq	F-value	P-value
Genotype: Treatment	2	0.03361	0.01681	3.086	0.0704
Genotype	2	0.02395	0.01198	2.199	0.1398
Treatment	1	0.2007	0.2007	36.85	< 0.0001
Residual	18	0.09803	0.005446		