Figure 1a

ANOVA summary	
F	29.06
P value	0.0001
P value summary	***
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.9159

Tukey's multiple comparisons t	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-1.237	-16.59 to 14.12	No	ns
C vs. T	-2.627	-17.98 to 12.73	No	ns
C vs. RT	-37.78	-53.14 to -22.43	Yes	***
R vs. T	-1.39	-16.75 to 13.97	No	ns
R vs. RT	-36.55	-51.90 to -21.19	Yes	***
T vs. RT	-35.16	-50.51 to -19.80	Yes	***

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	9.517	10.75	-1.237	4.795	3	3	0.3647	8
C vs. T	9.517	12.14	-2.627	4.795	3	3	0.7746	8
C vs. RT	9.517	47.3	-37.78	4.795	3	3	11.14	8
R vs. T	10.75	12.14	-1.39	4.795	3	3	0.4099	8
R vs. RT	10.75	47.3	-36.55	4.795	3	3	10.78	8
T vs. RT	12.14	47.3	-35.16	4.795	3	3	10.37	8

Figure 2a

APL1
ANOVA summary

F	2.562
P value	0.0551
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.02644

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. RA	0.3	-3.516 to 4.116	No	ns
C vs. Tm	0.4292	-2.593 to 3.452	No	ns
C vs. RATm	3.779	0.1628 to 7.395	Yes	*
RA vs. Tm	0.1292	-3.976 to 4.235	No	ns
RA vs. RATm	3.479	-1.081 to 8.039	No	ns
Tm vs. RATm	3.349	-0.5710 to 7.270	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. RA	14.89	14.59	0.3	1.476	127	39	0.2874	283
C vs. Tm	14.89	14.46	0.4292	1.17	127	76	0.519	283
C vs. RATm	14.89	11.11	3.779	1.399	127	45	3.819	283
RA vs. Tm	14.59	14.46	0.1292	1.589	39	76	0.115	283
RA vs. RATm	14.59	11.11	3.479	1.764	39	45	2.788	283
Tm vs. RATm	14.46	11.11	3.349	1.517	76	45	3.123	283

APL2
ANOVA summary

F	169.6
P value	< 0.0001
P value summary	****
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.3786

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. RA	11.85	8.656 to 15.04	Yes	****
C vs. Tm	0.6887	-2.698 to 4.076	No	ns
C vs. RATm	22.63	19.68 to 25.58	Yes	****
RA vs. Tm	-11.16	-14.59 to -7.731	Yes	****
RA vs. RATm	10.78	7.791 to 13.78	Yes	****
Tm vs. RATm	21.94	18.74 to 25.14	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. RA	31.28	19.44	11.85	1.24	208	197	13.52	835
C vs. Tm	31.28	30.59	0.6887	1.316	208	158	0.7402	835
C vs. RATm	31.28	8.652	22.63	1.145	208	276	27.96	835
RA vs. Tm	19.44	30.59	-11.16	1.332	197	158	11.85	835
RA vs. RATm	19.44	8.652	10.78	1.163	197	276	13.11	835
Tm vs. RATm	30.59	8.652	21.94	1.244	158	276	24.95	835

APL3
ANOVA summary

F	124.4
P value	< 0.0001
P value summary	****
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.235

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. RA	9.387	7.566 to 11.21	Yes	****
C vs. Tm	1.753	-0.07971 to 3.585	No	ns
C vs. RATm	11.68	9.831 to 13.52	Yes	****
RA vs. Tm	-7.635	-9.524 to -5.745	Yes	****
RA vs. RATm	2.29	0.3871 to 4.193	Yes	*
Tm vs. RATm	9.924	8.011 to 11.84	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. RA	18.95	9.56	9.387	0.7078	341	300	18.76	1215
C vs. Tm	18.95	17.19	1.753	0.7123	341	293	3.48	1215
C vs. RATm	18.95	7.27	11.68	0.7176	341	285	23.01	1215
RA vs. Tm	9.56	17.19	-7.635	0.7344	300	293	14.7	1215
RA vs. RATm	9.56	7.27	2.29	0.7396	300	285	4.378	1215
Tm vs. RATm	17.19	7.27	9.924	0.7439	293	285	18.87	1215

BM1

ANOVA summary

F	13.32
P value	< 0.0001
P value summary	****
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.04786

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	1.665	-1.432 to 4.762	No	ns
C vs. T	1.165	-1.932 to 4.262	No	ns
C vs. RT	-5.118	-8.218 to -2.017	Yes	***
R vs. T	-0.5	-3.597 to 2.597	No	ns
R vs. RT	-6.783	-9.883 to -3.682	Yes	****
T vs. RT	-6.283	-9.383 to -3.182	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	27.41	25.74	1.665	1.203	200	200	1.958	795
C vs. T	27.41	26.24	1.165	1.203	200	200	1.37	795
C vs. RT	27.41	32.52	-5.118	1.204	200	199	6.01	795
R vs. T	25.74	26.24	-0.5	1.203	200	200	0.5879	795
R vs. RT	25.74	32.52	-6.783	1.204	200	199	7.965	795
T vs. RT	26.24	32.52	-6.283	1.204	200	199	7.378	795

BM2

ANOVA summary

ANOVA summary

F	2.892
P value	0.035
P value summary	*
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.01754

Tukey's multiple comparisons test

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. RA	2.24	-5.128 to 9.608	No	ns
C vs. Tm	4.683	-2.743 to 12.11	No	ns
C vs. RATm	-3.292	-10.66 to 4.077	No	ns
RA vs. Tm	2.443	-4.830 to 9.717	No	ns
RA vs. RATm	-5.532	-12.75 to 1.683	No	ns
Tm vs. RATm	-7.975	-15.25 to -0.7015	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. RA	34.72	32.48	2.24	2.858	116	126	1.108	486
C vs. Tm	34.72	30.04	4.683	2.881	116	122	2.299	486
C vs. RATm	34.72	38.02	-3.292	2.858	116	126	1.629	486
RA vs. Tm	32.48	30.04	2.443	2.821	126	122	1.225	486
RA vs. RATm	32.48	38.02	-5.532	2.799	126	126	2.795	486
Tm vs. RATm	30.04	38.02	-7.975	2.821	122	126	3.997	486

Figure 3a

CHOP
ANOVA summary

F	16.22
P value	0.0002
P value summary	***
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.8022

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-2.643	-9.343 to 4.058	No	ns
C vs. T	-3.7	-10.40 to 3.000	No	ns
C vs. RT	-14.59	-21.29 to -7.887	Yes	***
R vs. T	-1.058	-7.758 to 5.643	No	ns
R vs. RT	-11.95	-18.65 to -5.245	Yes	***
T vs. RT	-10.89	-17.59 to -4.187	Yes	**

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	3.643	-2.643	2.257	4	4	1.656	12
C vs. T	1	4.7	-3.7	2.257	4	4	2.319	12
C vs. RT	1	15.59	-14.59	2.257	4	4	9.141	12
R vs. T	3.643	4.7	-1.058	2.257	4	4	0.6627	12
R vs. RT	3.643	15.59	-11.95	2.257	4	4	7.485	12
T vs. RT	4.7	15.59	-10.89	2.257	4	4	6.823	12

BiP
ANOVA summary

F	14.53
P value	0.0003
P value summary	***
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.7841

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.275	-1.950 to 2.500	No	ns
C vs. T	-1.813	-4.037 to 0.4122	No	ns
C vs. RT	-4.103	-6.327 to -1.878	Yes	***
R vs. T	-2.088	-4.312 to 0.1372	No	ns
R vs. RT	-4.378	-6.602 to -2.153	Yes	***
T vs. RT	-2.29	-4.515 to -0.06532	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	0.725	0.275	0.7493	4	4	0.519	12
C vs. T	1	2.813	-1.813	0.7493	4	4	3.421	12
C vs. RT	1	5.103	-4.103	0.7493	4	4	7.743	12
R vs. T	0.725	2.813	-2.088	0.7493	4	4	3.94	12
R vs. RT	0.725	5.103	-4.378	0.7493	4	4	8.262	12
T vs. RT	2.813	5.103	-2.29	0.7493	4	4	4.322	12

EDEM
ANOVA summary

F	8.562
P value	0.0026
P value summary	**
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.6816

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-0.8175	-2.314 to 0.6795	No	ns
C vs. T	-1.065	-2.562 to 0.4320	No	ns
C vs. RT	-2.505	-4.002 to -1.008	Yes	**
R vs. T	-0.2475	-1.744 to 1.249	No	ns
R vs. RT	-1.688	-3.184 to -0.1905	Yes	*
T vs. RT	-1.44	-2.937 to 0.05698	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	1.818	-0.8175	0.5042	4	4	2.293	12
C vs. T	1	2.065	-1.065	0.5042	4	4	2.987	12
C vs. RT	1	3.505	-2.505	0.5042	4	4	7.026	12
R vs. T	1.818	2.065	-0.2475	0.5042	4	4	0.6942	12
R vs. RT	1.818	3.505	-1.688	0.5042	4	4	4.733	12
T vs. RT	2.065	3.505	-1.44	0.5042	4	4	4.039	12

sXBP1

ANOVA summary

F	5.415
P value	0.0137
P value summary	*
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.5751

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.0725	-2.568 to 2.713	No	ns
C vs. T	-1.805	-4.445 to 0.8350	No	ns
C vs. RT	-2.933	-5.573 to -0.2925	Yes	*
R vs. T	-1.878	-4.518 to 0.7625	No	ns
R vs. RT	-3.005	-5.645 to -0.3650	Yes	*
T vs. RT	-1.128	-3.768 to 1.513	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	0.9275	0.0725	0.8892	4	4	0.1153	12
C vs. T	1	2.805	-1.805	0.8892	4	4	2.871	12
C vs. RT	1	3.933	-2.933	0.8892	4	4	4.664	12
R vs. T	0.9275	2.805	-1.878	0.8892	4	4	2.986	12
R vs. RT	0.9275	3.933	-3.005	0.8892	4	4	4.779	12
T vs. RT	2.805	3.933	-1.128	0.8892	4	4	1.793	12

HERP

ANOVA summary

F	7.607
P value	0.0041
P value summary	**
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.6554

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.24	-3.149 to 3.629	No	ns
C vs. T	-3.678	-7.066 to -0.2886	Yes	*
C vs. RT	-3.785	-7.174 to -0.3961	Yes	*
R vs. T	-3.918	-7.306 to -0.5286	Yes	*
R vs. RT	-4.025	-7.414 to -0.6361	Yes	*
T vs. RT	-0.1075	-3.496 to 3.281	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	0.76	0.24	1.141	4	4	0.2973	12
C vs. T	1	4.678	-3.678	1.141	4	4	4.556	12
C vs. RT	1	4.785	-3.785	1.141	4	4	4.689	12
R vs. T	0.76	4.678	-3.918	1.141	4	4	4.853	12
R vs. RT	0.76	4.785	-4.025	1.141	4	4	4.987	12
T vs. RT	4.678	4.785	-0.1075	1.141	4	4	0.1332	12

HYOU1

ANOVA summary

F	2.752
P value	0.0887
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.4076

Figure 3e

24hrs
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	1.307	0.9903	ns	No
treatment	0.5447	0.9973	ns	No
genotype	0.0123	0.9755	ns	No

48hrs
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	0.8263	0.8994	ns	No
Row Factor	82.97	0.0005	***	Yes
Column Factor	4.693	0.1086	ns	No

Sidak's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
NSC - shCHOP				
C	-2.1	-11.55 to 7.347	No	ns
R	-4.515	-13.96 to 4.932	No	ns
T	-1.54	-10.99 to 7.907	No	ns
RT	-2.53	-11.98 to 6.917	No	ns

72hrs
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	7.946	0.5942	ns	No
Row Factor	59.48	0.0304	*	Yes
Column Factor	0.9233	0.642	ns	No

Sidak's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
NSC - shCHOP				
C	-4.18	-37.79 to 29.43	No	ns
R	-3.13	-36.74 to 30.48	No	ns
T	2.895	-30.71 to 36.50	No	ns
RT	14.59	-19.02 to 48.19	No	ns

Figure 4a

24hrs
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	32.65	0.2444	ns	No
treatment	24.62	0.1256	ns	No
inhibitor	0.5391	0.9266	ns	No

48hrs
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	16.39	0.2772	ns	No
treatment	48.45	0.0026	**	Yes
inhibitor	12.43	0.073	ns	No

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
nil vs. GSK	-4.07	-28.95 to 20.81	No	ns
nil vs. guanabenz	-3.645	-28.53 to 21.24	No	ns
GSK vs. guanabenz	0.425	-24.46 to 25.31	No	ns
R				
nil vs. GSK	-3.25	-28.13 to 21.63	No	ns
nil vs. guanabenz	-1.15	-26.03 to 23.73	No	ns
GSK vs. guanabenz	2.1	-22.78 to 26.98	No	ns
T				
nil vs. GSK	-9.575	-34.46 to 15.31	No	ns
nil vs. guanabenz	2.725	-22.16 to 27.61	No	ns
GSK vs. guanabenz	12.3	-12.58 to 37.18	No	ns
RT				
nil vs. GSK	-10.3	-35.18 to 14.58	No	ns
nil vs. guanabenz	22.5	-2.382 to 47.38	No	ns
GSK vs. guanabenz	32.8	7.918 to 57.68	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
nil vs. GSK	10.43	14.5	-4.07	9.327	2	2	0.6171	12
nil vs. guanabenz	10.43	14.08	-3.645	9.327	2	2	0.5527	12
GSK vs. guanabenz	14.5	14.08	0.425	9.327	2	2	0.0644	12
R								
nil vs. GSK	18.18	21.43	-3.25	9.327	2	2	0.4928	12
nil vs. guanabenz	18.18	19.33	-1.15	9.327	2	2	0.1744	12
GSK vs. guanabenz	21.43	19.33	2.1	9.327	2	2	0.3184	12
T								
nil vs. GSK	15.43	25	-9.575	9.327	2	2	1.452	12
nil vs. guanabenz	15.43	12.7	2.725	9.327	2	2	0.4132	12
GSK vs. guanabenz	25	12.7	12.3	9.327	2	2	1.865	12
RT								
nil vs. GSK	42.38	52.68	-10.3	9.327	2	2	1.562	12
nil vs. guanabenz	42.38	19.88	22.5	9.327	2	2	3.412	12
GSK vs. guanabenz	52.68	19.88	32.8	9.327	2	2	4.974	12

72hrs

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	25.88	< 0.0001	****	Yes
treatment	48.14	< 0.0001	****	Yes
inhibitor	17.2	< 0.0001	****	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	5724	6	953.9	F (6, 36) = 17.69	P < 0.0001
treatment	10645	3	3548	F (3, 36) = 65.79	P < 0.0001
inhibitor	3803	2	1901	F (2, 36) = 35.25	P < 0.0001
Residual	1942	36	53.93		

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
nil vs. GSK	0.1225	-12.57 to 12.82	No	ns
nil vs. guanabenz	0.195	-12.50 to 12.89	No	ns
GSK vs. guanabenz	0.0725	-12.62 to 12.77	No	ns
R				
nil vs. GSK	-3.073	-15.77 to 9.621	No	ns
nil vs. guanabenz	-2.123	-14.82 to 10.57	No	ns
GSK vs. guanabenz	0.95	-11.74 to 13.64	No	ns
T				
nil vs. GSK	-18.27	-30.96 to -5.572	Yes	**
nil vs. guanabenz	3.305	-9.388 to 16.00	No	ns
GSK vs. guanabenz	21.57	8.877 to 34.26	Yes	***
RT				
nil vs. GSK	-26.04	-38.73 to -13.34	Yes	****
nil vs. guanabenz	38.48	25.78 to 51.17	Yes	****
GSK vs. guanabenz	64.51	51.82 to 77.21	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
nil vs. GSK	6.703	6.58	0.1225	5.193	4	4	0.0334	36
nil vs. guanabenz	6.703	6.508	0.195	5.193	4	4	0.0531	36
GSK vs. guanabenz	6.58	6.508	0.0725	5.193	4	4	0.0197	36
R								
nil vs. GSK	7.318	10.39	-3.073	5.193	4	4	0.8367	36
nil vs. guanabenz	7.318	9.44	-2.123	5.193	4	4	0.578	36
GSK vs. guanabenz	10.39	9.44	0.95	5.193	4	4	0.2587	36
T								
nil vs. GSK	9.785	28.05	-18.27	5.193	4	4	4.974	36
nil vs. guanabenz	9.785	6.48	3.305	5.193	4	4	0.9001	36
GSK vs. guanabenz	28.05	6.48	21.57	5.193	4	4	5.874	36
RT								
nil vs. GSK	47.99	74.03	-26.04	5.193	4	4	7.091	36
nil vs. guanabenz	47.99	9.513	38.48	5.193	4	4	10.48	36
GSK vs. guanabenz	74.03	9.513	64.51	5.193	4	4	17.57	36

Figure 4c

CHOP
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	23.53	0.0219	*	Yes
Row Factor	37.93	0.0002	***	Yes
Column Factor	10.26	0.0294	*	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	-0.65	-5.661 to 4.361	No	ns
NIL vs. GSK	-0.82	-6.422 to 4.782	No	ns
GUANA vs. GSK	-0.17	-5.772 to 5.432	No	ns
R				
NIL vs. GUANA	-0.9533	-5.964 to 4.057	No	ns
NIL vs. GSK	-0.1733	-5.776 to 5.429	No	ns
GUANA vs. GSK	0.78	-4.822 to 6.382	No	ns
T				
NIL vs. GUANA	2.863	-2.147 to 7.874	No	ns
NIL vs. GSK	3.36	-2.242 to 8.962	No	ns
GUANA vs. GSK	0.4967	-5.106 to 6.099	No	ns
RT				
NIL vs. GUANA	9.46	4.449 to 14.47	Yes	***
NIL vs. GSK	7.208	1.606 to 12.81	Yes	*
GUANA vs. GSK	-2.252	-7.854 to 3.351	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	1.65	-0.65	1.981	3	3	0.4641	20
NIL vs. GSK	1	1.82	-0.82	2.214	3	2	0.5237	20
GUANA vs. GSK	1.65	1.82	-0.17	2.214	3	2	0.1086	20
R								
NIL vs. GUANA	3.127	4.08	-0.9533	1.981	3	3	0.6807	20
NIL vs. GSK	3.127	3.3	-0.1733	2.214	3	2	0.1107	20
GUANA vs. GSK	4.08	3.3	0.78	2.214	3	2	0.4982	20
T								
NIL vs. GUANA	5.12	2.257	2.863	1.981	3	3	2.045	20
NIL vs. GSK	5.12	1.76	3.36	2.214	3	2	2.146	20
GUANA vs. GSK	2.257	1.76	0.4967	2.214	3	2	0.3172	20
RT								
NIL vs. GUANA	13.6	4.143	9.46	1.981	3	3	6.755	20
NIL vs. GSK	13.6	6.395	7.208	2.214	3	2	4.604	20
GUANA vs. GSK	4.143	6.395	-2.252	2.214	3	2	1.438	20

BiP

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	20.62	0.0065	**	Yes
Row Factor	31.67	< 0.0001	****	Yes
Column Factor	27.08	< 0.0001	****	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	0.1767	-1.504 to 1.858	No	ns
NIL vs. GSK	-0.01667	-1.698 to 1.664	No	ns
GUANA vs. GSK	-0.1933	-1.874 to 1.488	No	ns
R				
NIL vs. GUANA	0.5233	-1.158 to 2.204	No	ns
NIL vs. GSK	0.2633	-1.418 to 1.944	No	ns
GUANA vs. GSK	-0.26	-1.941 to 1.421	No	ns
T				
NIL vs. GUANA	2.697	1.016 to 4.378	Yes	**
NIL vs. GSK	0.26	-1.421 to 1.941	No	ns
GUANA vs. GSK	-2.437	-4.118 to -0.7555	Yes	**
RT				
NIL vs. GUANA	3.993	2.312 to 5.674	Yes	****
NIL vs. GSK	1.81	0.1289 to 3.491	Yes	*
GUANA vs. GSK	-2.183	-3.864 to -0.5022	Yes	**

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	0.8233	0.1767	0.6732	3	3	0.3711	24
NIL vs. GSK	1	1.017	-0.01667	0.6732	3	3	0.03501	24
GUANA vs. GSK	0.8233	1.017	-0.1933	0.6732	3	3	0.4062	24
R								
NIL vs. GUANA	1.04	0.5167	0.5233	0.6732	3	3	1.099	24
NIL vs. GSK	1.04	0.7767	0.2633	0.6732	3	3	0.5532	24
GUANA vs. GSK	0.5167	0.7767	-0.26	0.6732	3	3	0.5462	24
T								
NIL vs. GUANA	3.26	0.5633	2.697	0.6732	3	3	5.665	24
NIL vs. GSK	3.26	3	0.26	0.6732	3	3	0.5462	24
GUANA vs. GSK	0.5633	3	-2.437	0.6732	3	3	5.119	24
RT								
NIL vs. GUANA	4.653	0.66	3.993	0.6732	3	3	8.389	24
NIL vs. GSK	4.653	2.843	1.81	0.6732	3	3	3.802	24
GUANA vs. GSK	0.66	2.843	-2.183	0.6732	3	3	4.587	24

sXBP1

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	14.59	0.4033	ns	No
Row Factor	15.55	0.1032	ns	No
Column Factor	15.71	0.0471	*	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	0.16	-6.904 to 7.224	No	ns
NIL vs. GSK	-0.07	-7.134 to 6.994	No	ns
GUANA vs. GSK	-0.23	-7.294 to 6.834	No	ns
R				
NIL vs. GUANA	0.4267	-6.637 to 7.491	No	ns
NIL vs. GSK	0.2533	-6.811 to 7.317	No	ns
GUANA vs. GSK	-0.1733	-7.237 to 6.891	No	ns
T				
NIL vs. GUANA	1.96	-5.104 to 9.024	No	ns
NIL vs. GSK	-5.287	-12.35 to 1.777	No	ns
GUANA vs. GSK	-7.247	-14.31 to -0.1826	Yes	*
RT				
NIL vs. GUANA	2.713	-4.351 to 9.777	No	ns
NIL vs. GSK	-4.363	-11.43 to 2.701	No	ns
GUANA vs. GSK	-7.077	-14.14 to -0.01259	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	0.84	0.16	2.829	3	3	0.07999	24
NIL vs. GSK	1	1.07	-0.07	2.829	3	3	0.035	24
GUANA vs. GSK	0.84	1.07	-0.23	2.829	3	3	0.115	24
R								
NIL vs. GUANA	0.9667	0.54	0.4267	2.829	3	3	0.2133	24
NIL vs. GSK	0.9667	0.7133	0.2533	2.829	3	3	0.1267	24
GUANA vs. GSK	0.54	0.7133	-0.1733	2.829	3	3	0.08666	24
T								
NIL vs. GUANA	2.82	0.86	1.96	2.829	3	3	0.9799	24
NIL vs. GSK	2.82	8.107	-5.287	2.829	3	3	2.643	24
GUANA vs. GSK	0.86	8.107	-7.247	2.829	3	3	3.623	24
RT								
NIL vs. GUANA	3.283	0.57	2.713	2.829	3	3	1.357	24
NIL vs. GSK	3.283	7.647	-4.363	2.829	3	3	2.181	24
GUANA vs. GSK	0.57	7.647	-7.077	2.829	3	3	3.538	24

ERdj4

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	9.578	0.6499	ns	No
Row Factor	18.33	0.0688	ns	No
Column Factor	17.62	0.0347	*	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	-0.08667	-4.495 to 4.322	No	ns
NIL vs. GSK	-1.18	-5.588 to 3.228	No	ns
GUANA vs. GSK	-1.093	-5.502 to 3.315	No	ns
R				
NIL vs. GUANA	0.32	-4.088 to 4.728	No	ns
NIL vs. GSK	-0.09	-4.498 to 4.318	No	ns
GUANA vs. GSK	-0.41	-4.818 to 3.998	No	ns
T				
NIL vs. GUANA	0.8667	-3.542 to 5.275	No	ns
NIL vs. GSK	-2.433	-6.842 to 1.975	No	ns
GUANA vs. GSK	-3.3	-7.708 to 1.108	No	ns
RT				
NIL vs. GUANA	2.13	-2.278 to 6.538	No	ns
NIL vs. GSK	-2.727	-7.135 to 1.682	No	ns
GUANA vs. GSK	-4.857	-9.265 to -0.4484	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	1.087	-0.08667	1.765	3	3	0.06943	24
NIL vs. GSK	1	2.18	-1.18	1.765	3	3	0.9454	24
GUANA vs. GSK	1.087	2.18	-1.093	1.765	3	3	0.8759	24
R								
NIL vs. GUANA	1.307	0.9867	0.32	1.765	3	3	0.2564	24
NIL vs. GSK	1.307	1.397	-0.09	1.765	3	3	0.0721	24
GUANA vs. GSK	0.9867	1.397	-0.41	1.765	3	3	0.3285	24
T								
NIL vs. GUANA	2.757	1.89	0.8667	1.765	3	3	0.6943	24
NIL vs. GSK	2.757	5.19	-2.433	1.765	3	3	1.949	24
GUANA vs. GSK	1.89	5.19	-3.3	1.765	3	3	2.644	24
RT								
NIL vs. GUANA	3.253	1.123	2.13	1.765	3	3	1.706	24
NIL vs. GSK	3.253	5.98	-2.727	1.765	3	3	2.184	24
GUANA vs. GSK	1.123	5.98	-4.857	1.765	3	3	3.891	24

EDEM
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	8.777	0.6764	ns	No
Row Factor	17.83	0.0639	ns	No
Column Factor	11.11	0.0972	ns	No

HERP
Two-way ANOVA Ordinary
Alpha 0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	15.06	0.1207	ns	No
Row Factor	28.42	0.0011	**	Yes
Column Factor	18.52	0.0036	**	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	0.02333	-3.108 to 3.155	No	ns
NIL vs. GSK	-0.21	-3.342 to 2.922	No	ns
GUANA vs. GSK	-0.2333	-3.581 to 3.115	No	ns
R				
NIL vs. GUANA	0.1792	-2.953 to 3.311	No	ns
NIL vs. GSK	-0.1175	-3.249 to 3.014	No	ns
GUANA vs. GSK	-0.2967	-3.645 to 3.051	No	ns
T				
NIL vs. GUANA	2.637	-0.4950 to 5.768	No	ns
NIL vs. GSK	-2.333	-5.465 to 0.7983	No	ns
GUANA vs. GSK	-4.97	-8.318 to -1.622	Yes	**
RT				
NIL vs. GUANA	1.883	-1.248 to 5.015	No	ns
NIL vs. GSK	-2.673	-5.805 to 0.4583	No	ns
GUANA vs. GSK	-4.557	-7.905 to -1.209	Yes	**

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	0.9767	0.02333	1.266	4	3	0.02607	28
NIL vs. GSK	1	1.21	-0.21	1.266	4	3	0.2346	28
GUANA vs. GSK	0.9767	1.21	-0.2333	1.353	3	3	0.2439	28
R								
NIL vs. GUANA	0.7325	0.5533	0.1792	1.266	4	3	0.2002	28
NIL vs. GSK	0.7325	0.85	-0.1175	1.266	4	3	0.1313	28
GUANA vs. GSK	0.5533	0.85	-0.2967	1.353	3	3	0.3101	28
T								
NIL vs. GUANA	3.72	1.083	2.637	1.266	4	3	2.946	28
NIL vs. GSK	3.72	6.053	-2.333	1.266	4	3	2.607	28
GUANA vs. GSK	1.083	6.053	-4.97	1.353	3	3	5.195	28
RT								
NIL vs. GUANA	2.63	0.7467	1.883	1.266	4	3	2.104	28
NIL vs. GSK	2.63	5.303	-2.673	1.266	4	3	2.987	28
GUANA vs. GSK	0.7467	5.303	-4.557	1.353	3	3	4.763	28

HYOU1

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	11.45	0.4381	ns	No
Row Factor	21.31	0.0218	*	Yes
Column Factor	13.21	0.0439	*	Yes

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
NIL vs. GUANA	0.1	-2.475 to 2.675	No	ns
NIL vs. GSK	0.003333	-2.572 to 2.579	No	ns
GUANA vs. GSK	-0.09667	-2.850 to 2.656	No	ns
R				
NIL vs. GUANA	0.2575	-2.318 to 2.833	No	ns
NIL vs. GSK	0.0975	-2.478 to 2.673	No	ns
GUANA vs. GSK	-0.16	-2.913 to 2.593	No	ns
T				
NIL vs. GUANA	1.729	-0.8461 to 4.304	No	ns
NIL vs. GSK	-1.248	-3.823 to 1.328	No	ns
GUANA vs. GSK	-2.977	-5.730 to -0.2235	Yes	*
RT				
NIL vs. GUANA	2.173	-0.4020 to 4.749	No	ns
NIL vs. GSK	-0.1833	-2.759 to 2.392	No	ns
GUANA vs. GSK	-2.357	-5.110 to 0.3965	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
NIL vs. GUANA	1	0.9	0.1	1.041	4	3	0.1359	28
NIL vs. GSK	1	0.9967	0.003333	1.041	4	3	0.004529	28
GUANA vs. GSK	0.9	0.9967	-0.09667	1.113	3	3	0.1229	28
R								
NIL vs. GUANA	0.7775	0.52	0.2575	1.041	4	3	0.3499	28
NIL vs. GSK	0.7775	0.68	0.0975	1.041	4	3	0.1325	28
GUANA vs. GSK	0.52	0.68	-0.16	1.113	3	3	0.2034	28
T								
NIL vs. GUANA	2.563	0.8333	1.729	1.041	4	3	2.35	28
NIL vs. GSK	2.563	3.81	-1.248	1.041	4	3	1.695	28
GUANA vs. GSK	0.8333	3.81	-2.977	1.113	3	3	3.783	28
RT								
NIL vs. GUANA	2.74	0.5667	2.173	1.041	4	3	2.953	28
NIL vs. GSK	2.74	2.923	-0.1833	1.041	4	3	0.2491	28
GUANA vs. GSK	0.5667	2.923	-2.357	1.113	3	3	2.995	28

Supplementary Figure S1a

ANOVA summary	
F	6.367
P value	0.0048
P value summary	**
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.5442

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.388	-0.4877 to 1.264	No	ns
C vs. T	0.262	-0.6137 to 1.138	No	ns
C vs. RT	1.26	0.3843 to 2.136	Yes	**
R vs. T	-0.126	-1.002 to 0.7497	No	ns
R vs. RT	0.872	-0.003682 to 1.748	No	ns
T vs. RT	0.998	0.1223 to 1.874	Yes	*

Supplementary Figure S1b

48hrs
ANOVA summary

F	5.867
P value	0.0602
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.8148

72hrs
ANOVA summary

F	27.04
P value	0.0041
P value summary	**
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.953

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-0.16	-0.2958 to -0.02422	Yes	*
C vs. T	-0.145	-0.2808 to -0.009220	Yes	*
C vs. RT	-0.3	-0.4358 to -0.1642	Yes	**
R vs. T	0.015	-0.1208 to 0.1508	No	ns
R vs. RT	-0.14	-0.2758 to -0.004220	Yes	*
T vs. RT	-0.155	-0.2908 to -0.01922	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	1.16	-0.16	0.03335	2	2	6.784	4
C vs. T	1	1.145	-0.145	0.03335	2	2	6.148	4
C vs. RT	1	1.3	-0.3	0.03335	2	2	12.72	4
R vs. T	1.16	1.145	0.015	0.03335	2	2	0.636	4
R vs. RT	1.16	1.3	-0.14	0.03335	2	2	5.936	4
T vs. RT	1.145	1.3	-0.155	0.03335	2	2	6.572	4

Supplementary Figure S2c

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	18.17	< 0.0001	****	Yes
cell type	75.6	< 0.0001	****	Yes
treatment	2.342E-06	> 0.9999	ns	No

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
myeloid progenitors				
C vs. R	19.43	10.66 to 28.19	Yes	****
C vs. T	-3.979	-13.01 to 5.053	No	ns
C vs. RT	6.206	-2.350 to 14.76	No	ns
R vs. T	-23.4	-31.81 to -15.00	Yes	****
R vs. RT	-13.22	-21.11 to -5.331	Yes	***
T vs. RT	10.18	2.003 to 18.37	Yes	**
MF				
C vs. R	17.32	8.549 to 26.08	Yes	****
C vs. T	13.09	4.056 to 22.12	Yes	**
C vs. RT	23.35	14.79 to 31.91	Yes	****
R vs. T	-4.229	-12.63 to 4.173	No	ns
R vs. RT	6.033	-1.855 to 13.92	No	ns
T vs. RT	10.26	2.081 to 18.44	Yes	**
granulocytes				
C vs. R	-36.71	-45.48 to -27.95	Yes	****
C vs. T	-9.107	-18.14 to -0.07542	Yes	*
C vs. RT	-29.55	-38.11 to -20.99	Yes	****
R vs. T	27.61	19.20 to 36.01	Yes	****
R vs. RT	7.163	-0.7258 to 15.05	No	ns
T vs. RT	-20.44	-28.62 to -12.26	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
myeloid progenitors								
C vs. R	69.35	49.93	19.43	3.34	6	8	8.226	78
C vs. T	69.35	73.33	-3.979	3.44	6	7	1.635	78
C vs. RT	69.35	63.14	6.206	3.259	6	9	2.693	78
R vs. T	49.93	73.33	-23.4	3.2	8	7	10.34	78
R vs. RT	49.93	63.14	-13.22	3.005	8	9	6.222	78
T vs. RT	73.33	63.14	10.18	3.116	7	9	4.622	78
MF								
C vs. R	24.12	6.8	17.32	3.34	6	8	7.333	78
C vs. T	24.12	11.03	13.09	3.44	6	7	5.38	78
C vs. RT	24.12	0.7667	23.35	3.259	6	9	10.13	78
R vs. T	6.8	11.03	-4.229	3.2	8	7	1.869	78
R vs. RT	6.8	0.7667	6.033	3.005	8	9	2.84	78
T vs. RT	11.03	0.7667	10.26	3.116	7	9	4.657	78
granulocytes								
C vs. R	6.55	43.26	-36.71	3.34	6	8	15.55	78
C vs. T	6.55	15.66	-9.107	3.44	6	7	3.744	78
C vs. RT	6.55	36.1	-29.55	3.259	6	9	12.82	78
R vs. T	43.26	15.66	27.61	3.2	8	7	12.2	78
R vs. RT	43.26	36.1	7.163	3.005	8	9	3.371	78
T vs. RT	15.66	36.1	-20.44	3.116	7	9	9.277	78

Supplementary Figure S3a

number of colonies

ANOVA summary

F	0.2812
P value	0.9441
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.1975

Cell number/colony

BM1

ANOVA summary

F	28.87
P value	< 0.0001
P value summary	****
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.1127

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	1.665	-2.446 to 5.776	No	ns
C vs. T	1.165	-2.946 to 5.276	No	ns
C vs. RT	-5.118	-9.234 to -1.002	Yes	**
C vs. A	-7.42	-11.53 to -3.309	Yes	****
C vs. RA	-9.76	-13.87 to -5.649	Yes	****
C vs. TA	-11.05	-15.16 to -6.934	Yes	****
C vs. RTA	-8.595	-12.70 to -4.489	Yes	****
R vs. T	-0.5	-4.611 to 3.611	No	ns
R vs. RT	-6.783	-10.90 to -2.667	Yes	****
R vs. A	-9.085	-13.20 to -4.974	Yes	****
R vs. RA	-11.43	-15.54 to -7.314	Yes	****
R vs. TA	-12.71	-16.82 to -8.599	Yes	****
R vs. RTA	-10.26	-14.37 to -6.154	Yes	****
T vs. RT	-6.283	-10.40 to -2.167	Yes	***
T vs. A	-8.585	-12.70 to -4.474	Yes	****
T vs. RA	-10.93	-15.04 to -6.814	Yes	****
T vs. TA	-12.21	-16.32 to -8.099	Yes	****
T vs. RTA	-9.76	-13.87 to -5.654	Yes	****
RT vs. A	-2.302	-6.418 to 1.814	No	ns
RT vs. RA	-4.642	-8.758 to -0.5265	Yes	*
RT vs. TA	-5.927	-10.04 to -1.811	Yes	***
RT vs. RTA	-3.477	-7.588 to 0.6334	No	ns
A vs. RA	-2.34	-6.451 to 1.771	No	ns
A vs. TA	-3.625	-7.736 to 0.4857	No	ns
A vs. RTA	-1.175	-5.281 to 2.931	No	ns
RA vs. TA	-1.285	-5.396 to 2.826	No	ns
RA vs. RTA	1.165	-2.941 to 5.271	No	ns
TA vs. RTA	2.45	-1.656 to 6.556	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	27.41	25.74	1.665	1.354	200	200	1.738	1592
C vs. T	27.41	26.24	1.165	1.354	200	200	1.216	1592
C vs. RT	27.41	32.52	-5.118	1.356	200	199	5.337	1592
C vs. A	27.41	34.83	-7.42	1.354	200	200	7.747	1592
C vs. RA	27.41	37.17	-9.76	1.354	200	200	10.19	1592
C vs. TA	27.41	38.45	-11.05	1.354	200	200	11.53	1592
C vs. RTA	27.41	36	-8.595	1.353	200	201	8.985	1592
R vs. T	25.74	26.24	-0.5	1.354	200	200	0.5221	1592
R vs. RT	25.74	32.52	-6.783	1.356	200	199	7.073	1592
R vs. A	25.74	34.83	-9.085	1.354	200	200	9.486	1592
R vs. RA	25.74	37.17	-11.43	1.354	200	200	11.93	1592
R vs. TA	25.74	38.45	-12.71	1.354	200	200	13.27	1592
R vs. RTA	25.74	36	-10.26	1.353	200	201	10.73	1592
T vs. RT	26.24	32.52	-6.283	1.356	200	199	6.551	1592
T vs. A	26.24	34.83	-8.585	1.354	200	200	8.964	1592
T vs. RA	26.24	37.17	-10.93	1.354	200	200	11.41	1592
T vs. TA	26.24	38.45	-12.21	1.354	200	200	12.75	1592
T vs. RTA	26.24	36	-9.76	1.353	200	201	10.2	1592
RT vs. A	32.52	34.83	-2.302	1.356	199	200	2.401	1592
RT vs. RA	32.52	37.17	-4.642	1.356	199	200	4.841	1592
RT vs. TA	32.52	38.45	-5.927	1.356	199	200	6.181	1592
RT vs. RTA	32.52	36	-3.477	1.354	199	201	3.631	1592
A vs. RA	34.83	37.17	-2.34	1.354	200	200	2.443	1592
A vs. TA	34.83	38.45	-3.625	1.354	200	200	3.785	1592
A vs. RTA	34.83	36	-1.175	1.353	200	201	1.228	1592
RA vs. TA	37.17	38.45	-1.285	1.354	200	200	1.342	1592
RA vs. RTA	37.17	36	1.165	1.353	200	201	1.218	1592
TA vs. RTA	38.45	36	2.45	1.353	200	201	2.561	1592

BM2

ANOVA summary	
F	3.419
P value	0.0013
P value summary	**
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.02498

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	2.24	-6.048 to 10.53	No	ns
C vs. T	4.683	-3.670 to 13.04	No	ns
C vs. RT	-3.292	-11.58 to 4.997	No	ns
C vs. A	-2.117	-10.41 to 6.171	No	ns
C vs. RA	5.678	-2.549 to 13.90	No	ns
C vs. TA	-0.3686	-9.231 to 8.494	No	ns
C vs. RTA	-3.973	-12.79 to 4.841	No	ns
R vs. T	2.443	-5.738 to 10.62	No	ns
R vs. RT	-5.532	-13.65 to 2.583	No	ns
R vs. A	-4.357	-12.47 to 3.758	No	ns
R vs. RA	3.438	-4.615 to 11.49	No	ns
R vs. TA	-2.609	-11.31 to 6.092	No	ns
R vs. RTA	-6.213	-14.86 to 2.438	No	ns
T vs. RT	-7.975	-16.16 to 0.2066	No	ns
T vs. A	-6.8	-14.98 to 1.381	No	ns
T vs. RA	0.9948	-7.125 to 9.114	No	ns
T vs. TA	-5.052	-13.81 to 3.711	No	ns
T vs. RTA	-8.656	-17.37 to 0.05707	No	ns
RT vs. A	1.175	-6.941 to 9.290	No	ns
RT vs. RA	8.97	0.9171 to 17.02	Yes	*
RT vs. TA	2.923	-5.778 to 11.62	No	ns
RT vs. RTA	-0.6811	-9.332 to 7.970	No	ns
A vs. RA	7.795	-0.2575 to 15.85	No	ns
A vs. TA	1.748	-6.952 to 10.45	No	ns
A vs. RTA	-1.856	-10.51 to 6.795	No	ns
RA vs. TA	-6.047	-14.69 to 2.596	No	ns
RA vs. RTA	-9.651	-18.24 to -1.059	Yes	*
TA vs. RTA	-3.604	-12.81 to 5.598	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	34.72	32.48	2.24	2.728	116	126	1.161	934
C vs. T	34.72	30.04	4.683	2.75	116	122	2.409	934
C vs. RT	34.72	38.02	-3.292	2.728	116	126	1.706	934
C vs. A	34.72	36.84	-2.117	2.728	116	126	1.097	934
C vs. RA	34.72	29.05	5.678	2.708	116	130	2.965	934
C vs. TA	34.72	35.09	-0.3686	2.917	116	97	0.1787	934
C vs. RTA	34.72	38.7	-3.973	2.901	116	99	1.937	934
R vs. T	32.48	30.04	2.443	2.693	126	122	1.283	934
R vs. RT	32.48	38.02	-5.532	2.671	126	126	2.928	934
R vs. A	32.48	36.84	-4.357	2.671	126	126	2.307	934
R vs. RA	32.48	29.05	3.438	2.651	126	130	1.834	934
R vs. TA	32.48	35.09	-2.609	2.864	126	97	1.288	934
R vs. RTA	32.48	38.7	-6.213	2.848	126	99	3.085	934
T vs. RT	30.04	38.02	-7.975	2.693	122	126	4.188	934
T vs. A	30.04	36.84	-6.8	2.693	122	126	3.571	934
T vs. RA	30.04	29.05	0.9948	2.673	122	130	0.5264	934
T vs. TA	30.04	35.09	-5.052	2.884	122	97	2.477	934
T vs. RTA	30.04	38.7	-8.656	2.868	122	99	4.268	934
RT vs. A	38.02	36.84	1.175	2.671	126	126	0.6218	934
RT vs. RA	38.02	29.05	8.97	2.651	126	130	4.785	934
RT vs. TA	38.02	35.09	2.923	2.864	126	97	1.443	934
RT vs. RTA	38.02	38.7	-0.6811	2.848	126	99	0.3382	934
A vs. RA	36.84	29.05	7.795	2.651	126	130	4.159	934
A vs. TA	36.84	35.09	1.748	2.864	126	97	0.8633	934
A vs. RTA	36.84	38.7	-1.856	2.848	126	99	0.9216	934
RA vs. TA	29.05	35.09	-6.047	2.845	130	97	3.006	934
RA vs. RTA	29.05	38.7	-9.651	2.828	130	99	4.825	934
TA vs. RTA	35.09	38.7	-3.604	3.029	97	99	1.683	934

Supplementary Figure S3c

% SYTOX blue positive cells	
ANOVA summary	
F	3.015
P value	0.0724
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.7252

Supplementary Figure S3d

% SYTOX blue positive cells	
ANOVA summary	
F	1.906
P value	0.1927
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.6252

% lymphocytes	
ANOVA summary	
F	0.6675
P value	0.6963
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.3687

% CD11b+/CD14+	
ANOVA summary	
F	0.6283
P value	0.7231
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.3547

% CD11b+	
ANOVA summary	
F	1.505
P value	0.2885
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.5684

Supplementary Figure S4a

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	13.5	0.099	ns	No
Treatment	61.63	0.0017	**	Yes
NSCvsshCHOP	12.61	0.0209	*	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	93.41	3	31.14	F (3, 8) = 2.939	P = 0.0990
Treatment	426.4	3	142.1	F (3, 8) = 13.41	P = 0.0017
NSCvsshCHOP	87.24	1	87.24	F (1, 8) = 8.233	P = 0.0209
Residual	84.77	8	10.6		

Compare each cell mean with the other cell mean in that row.

Number of families	1
Number of comparisons per family	4
Alpha	0.05

Sidak's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
NSC - shCHOP				
C	-0.085	-10.48 to 10.31	No	ns
R	0.22	-10.17 to 10.61	No	ns
T	7.195	-3.199 to 17.59	No	ns
RT	11.35	0.9557 to 21.74	Yes	*

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	t	DF
NSC - shCHOP								
C	1	1.085	-0.085	3.255	2	2	0.02611	8
R	2.555	2.335	0.22	3.255	2	2	0.06759	8
T	9.585	2.39	7.195	3.255	2	2	2.21	8
RT	20.01	8.655	11.35	3.255	2	2	3.487	8

Supplementary Figure S4b

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	5.983	0.0047	**	Yes
Treatments	84.6	< 0.0001	****	Yes
Duplicates	7.786	0.0003	***	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	4.65	3	1.55	F (3, 8) = 9.803	P = 0.0047
Treatments	65.75	3	21.92	F (3, 8) = 138.6	P < 0.0001
Duplicates	6.052	1	6.052	F (1, 8) = 38.27	P = 0.0003
Residual	1.265	8	0.1581		

Compare each cell mean with the other cell mean in that row.

Number of families	1
Number of comparisons per family	4
Alpha	0.05

Sidak's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
NSC - shCHOP				
C	0.205	-1.065 to 1.475	No	ns
R	0.165	-1.105 to 1.435	No	ns
T	1.9	0.6303 to 3.170	Yes	**
RT	2.65	1.380 to 3.920	Yes	***

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	t	DF
NSC - shCHOP								
C	1	0.795	0.205	0.3976	2	2	0.5156	8
R	1.21	1.045	0.165	0.3976	2	2	0.415	8
T	3.1	1.2	1.9	0.3976	2	2	4.778	8
RT	7.27	4.62	2.65	0.3976	2	2	6.664	8

Column D	RT shCHOP	Column B	T shCHOP
vs.	vs.	vs.	vs.
Column C	RT NSC	Column A	T NSC
Unpaired t test		**Unpaired t test**	
P value	0.0447	P value	0.0444
P value summary	*	P value summary	*
Significantly different? (P < 0.05)	Yes	Significantly differe	Yes
One- or two-tailed P value?	Two-tailed	One- or two-tailed	Two-tailed
t, df	t=4.570 df=2	t, df	t=4.585 df=2

Supplementary Figure S7a-NB4

Two-way ANOVA	Ordinary			
Alpha	0.05			
Source of Variation	% of total variation	P value	P value summary	Significant?
Interaction	26.4	< 0.0001	****	Yes
Row Factor	43.99	< 0.0001	****	Yes
Column Factor	23.91	< 0.0001	****	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	14043	22	638.3	F (22, 36) = 7.572	P < 0.0001
Row Factor	23404	11	2128	F (11, 36) = 25.24	P < 0.0001
Column Factor	12718	2	6359	F (2, 36) = 75.43	P < 0.0001
Residual	3035	36	84.3		

Dunnett's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
nil vs. GSK	0.425	-20.71 to 21.56	No	ns
nil vs. guana	1.24	-19.90 to 22.38	No	ns
R				
nil vs. GSK	-0.72	-21.86 to 20.42	No	ns
nil vs. guana	-0.445	-21.58 to 20.69	No	ns
T				
nil vs. GSK	-17.83	-38.97 to 3.307	No	ns
nil vs. guana	3.645	-17.49 to 24.78	No	ns
RT				
nil vs. GSK	-35.25	-56.39 to -14.11	Yes	***
nil vs. guana	36.75	15.61 to 57.89	Yes	***
A200				
nil vs. GSK	-0.17	-21.31 to 20.97	No	ns
nil vs. guana	0.25	-20.89 to 21.39	No	ns
A500				
nil vs. GSK	-0.64	-21.78 to 20.50	No	ns
nil vs. guana	5.205	-15.93 to 26.34	No	ns
RA200				
nil vs. GSK	-0.855	-21.99 to 20.28	No	ns
nil vs. guana	0.16	-20.98 to 21.30	No	ns
RA500				
nil vs. GSK	3.1	-18.04 to 24.24	No	ns
nil vs. guana	10.98	-10.16 to 32.12	No	ns
TA200				
nil vs. GSK	-41.8	-62.94 to -20.66	Yes	***
nil vs. guana	18.26	-2.882 to 39.39	No	ns
TA500				
nil vs. GSK	-37.1	-58.24 to -15.96	Yes	***
nil vs. guana	52.04	30.90 to 73.17	Yes	****
RTA200				
nil vs. GSK	-25.2	-46.34 to -4.063	Yes	*
nil vs. guana	30.09	8.948 to 51.22	Yes	**
RTA500				
nil vs. GSK	-25.85	-46.99 to -4.713	Yes	*
nil vs. guana	50.32	29.18 to 71.45	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
nil vs. GSK	5.555	5.13	0.425	9.182	2	2	0.04629	36
nil vs. guana	5.555	4.315	1.24	9.182	2	2	0.1351	36
R								
nil vs. GSK	3.735	4.455	-0.72	9.182	2	2	0.07842	36
nil vs. guana	3.735	4.18	-0.445	9.182	2	2	0.04847	36
T								
nil vs. GSK	7.77	25.6	-17.83	9.182	2	2	1.942	36
nil vs. guana	7.77	4.125	3.645	9.182	2	2	0.397	36
RT								
nil vs. GSK	40.85	76.1	-35.25	9.182	2	2	3.839	36
nil vs. guana	40.85	4.1	36.75	9.182	2	2	4.003	36
A200								
nil vs. GSK	4.255	4.425	-0.17	9.182	2	2	0.01852	36
nil vs. guana	4.255	4.005	0.25	9.182	2	2	0.02723	36

A500								
nil vs. GSK	10.19	10.83	-0.64	9.182	2	2	0.0697	36
nil vs. guana	10.19	4.985	5.205	9.182	2	2	0.5669	36
RA200								
nil vs. GSK	4.42	5.275	-0.855	9.182	2	2	0.09312	36
nil vs. guana	4.42	4.26	0.16	9.182	2	2	0.01743	36
RA500								
nil vs. GSK	18.45	15.35	3.1	9.182	2	2	0.3376	36
nil vs. guana	18.45	7.47	10.98	9.182	2	2	1.196	36
TA200								
nil vs. GSK	22.1	63.9	-41.8	9.182	2	2	4.553	36
nil vs. guana	22.1	3.845	18.26	9.182	2	2	1.988	36
TA500								
nil vs. GSK	57.55	94.65	-37.1	9.182	2	2	4.041	36
nil vs. guana	57.55	5.515	52.04	9.182	2	2	5.667	36
RTA200								
nil vs. GSK	33.8	59	-25.2	9.182	2	2	2.745	36
nil vs. guana	33.8	3.715	30.09	9.182	2	2	3.277	36
RTA500								
nil vs. GSK	60.2	86.05	-25.85	9.182	2	2	2.815	36
nil vs. guana	60.2	9.885	50.32	9.182	2	2	5.48	36

Supplementary Figure S7a-NB4-R4

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total vari	P value	P value summ	Significant?
Interaction	28.78	< 0.0001	****	Yes
treatments	44.71	< 0.0001	****	Yes
duplicates	26.13	< 0.0001	****	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	24594	22	1118	F (22, 36) = 124.2	P < 0.0001
treatments	38212	11	3474	F (11, 36) = 386.1	P < 0.0001
duplicates	22327	2	11164	F (2, 36) = 1241	P < 0.0001
Residual	323.9	36	8.997		

Dunnett's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
nil vs. GSK	0.13	-6.775 to 7.035	No	ns
nil vs. guana	0.625	-6.280 to 7.530	No	ns
R				
nil vs. GSK	-0.21	-7.115 to 6.695	No	ns
nil vs. guana	0.345	-6.560 to 7.250	No	ns
T				
nil vs. GSK	-57.8	-64.71 to -50.89	Yes	****
nil vs. guana	10.25	3.340 to 17.15	Yes	**
RT				
nil vs. GSK	-68.6	-75.51 to -61.69	Yes	****
nil vs. guana	19.04	12.13 to 25.94	Yes	****
A200				
nil vs. GSK	-0.4	-7.305 to 6.505	No	ns
nil vs. guana	1.22	-5.685 to 8.125	No	ns
A500				
nil vs. GSK	-0.45	-7.355 to 6.455	No	ns
nil vs. guana	1.505	-5.400 to 8.410	No	ns
RA200				
nil vs. GSK	0.265	-6.640 to 7.170	No	ns
nil vs. guana	0.165	-6.740 to 7.070	No	ns
RA500				
nil vs. GSK	-1.1	-8.005 to 5.805	No	ns
nil vs. guana	2.7	-4.205 to 9.605	No	ns
TA200				
nil vs. GSK	-40.6	-47.51 to -33.69	Yes	****
nil vs. guana	50.2	43.29 to 57.11	Yes	****
TA500				
nil vs. GSK	-26.1	-33.01 to -19.19	Yes	****
nil vs. guana	64.78	57.87 to 71.69	Yes	****
RTA200				
nil vs. GSK	-26.85	-33.76 to -19.94	Yes	****
nil vs. guana	60.47	53.56 to 67.37	Yes	****
RTA500				
nil vs. GSK	-15.8	-22.71 to -8.895	Yes	****
nil vs. guana	68.25	61.34 to 75.16	Yes	****

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
nil vs. GSK	4.08	3.95	0.13		3	2	2	0.04334	36
nil vs. guana	4.08	3.455	0.625		3	2	2	0.2084	36
R								
nil vs. GSK	4.355	4.565	-0.21		3	2	2	0.07001	36
nil vs. guana	4.355	4.01	0.345		3	2	2	0.115	36
T								
nil vs. GSK	13.85	71.65	-57.8		3	2	2	19.27	36
nil vs. guana	13.85	3.605	10.25		3	2	2	3.416	36
RT								
nil vs. GSK	23.2	91.8	-68.6		3	2	2	22.87	36
nil vs. guana	23.2	4.165	19.04		3	2	2	6.346	36
A200								
nil vs. GSK	5.305	5.705	-0.4		3	2	2	0.1334	36
nil vs. guana	5.305	4.085	1.22		3	2	2	0.4067	36

A500								
nil vs. GSK	7.275	7.725	-0.45	3	2	2	0.15	36
nil vs. guana	7.275	5.77	1.505	3	2	2	0.5017	36
RA200								
nil vs. GSK	8.485	8.22	0.265	3	2	2	0.08835	36
nil vs. guana	8.485	8.32	0.165	3	2	2	0.05501	36
RA500								
nil vs. GSK	15.5	16.6	-1.1	3	2	2	0.3667	36
nil vs. guana	15.5	12.8	2.7	3	2	2	0.9001	36
TA200								
nil vs. GSK	54.3	94.9	-40.6	3	2	2	13.54	36
nil vs. guana	54.3	4.1	50.2	3	2	2	16.74	36
TA500								
nil vs. GSK	70.65	96.75	-26.1	3	2	2	8.701	36
nil vs. guana	70.65	5.87	64.78	3	2	2	21.6	36
RTA200								
nil vs. GSK	68.35	95.2	-26.85	3	2	2	8.951	36
nil vs. guana	68.35	7.885	60.47	3	2	2	20.16	36
RTA500								
nil vs. GSK	81.4	97.2	-15.8	3	2	2	5.267	36
nil vs. guana	81.4	13.15	68.25	3	2	2	22.75	36

Supplementary Figure S8a

24 hrs
ANOVA summary

F	0.1622
P value	0.9165
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.1085

48hrs
ANOVA summary

F	1.271
P value	0.3482
P value summary	ns
Are differences among means statistically significant? (P < 0.05)	No
R square	0.3227

72hrs
ANOVA summary

F	25.18
P value	0.0002
P value summary	***
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.9042

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.3967	0.08109 to 0.7122	Yes	*
C vs. T	0.5467	0.2311 to 0.8622	Yes	**
C vs. RT	0.84	0.5244 to 1.156	Yes	***
R vs. T	0.15	-0.1656 to 0.4656	No	ns
R vs. RT	0.4433	0.1278 to 0.7589	Yes	**
T vs. RT	0.2933	-0.02224 to 0.6089	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1.517	1.12	0.3967	0.09854	3	3	5.693	8
C vs. T	1.517	0.97	0.5467	0.09854	3	3	7.845	8
C vs. RT	1.517	0.6767	0.84	0.09854	3	3	12.05	8
R vs. T	1.12	0.97	0.15	0.09854	3	3	2.153	8
R vs. RT	1.12	0.6767	0.4433	0.09854	3	3	6.362	8
T vs. RT	0.97	0.6767	0.2933	0.09854	3	3	4.21	8

Supplementary Figure S8b

24hrs
ANOVA summary

F	1.311
P value	0.3868
P value summary	ns
Are differences among means statis	No
R square	0.4958

48hrs
ANOVA summary

F	6.284
P value	0.0169
P value summary	*
Are differences among means statis	Yes
R square	0.7021

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-3.07	-18.26 to 12.12	No	ns
C vs. T	-11.07	-26.26 to 4.121	No	ns
C vs. RT	-18.7	-33.89 to -3.512	Yes	*
R vs. T	-8	-23.19 to 7.191	No	ns
R vs. RT	-15.63	-30.82 to -0.4422	Yes	*
T vs. RT	-7.633	-22.82 to 7.558	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	10.56	13.63	-3.07	4.744	3	3	0.9152	8
C vs. T	10.56	21.63	-11.07	4.744	3	3	3.3	8
C vs. RT	10.56	29.27	-18.7	4.744	3	3	5.576	8
R vs. T	13.63	21.63	-8	4.744	3	3	2.385	8
R vs. RT	13.63	29.27	-15.63	4.744	3	3	4.661	8
T vs. RT	21.63	29.27	-7.633	4.744	3	3	2.276	8

72hrs
ANOVA summary

F	8.168
P value	0.0081
P value summary	**
Are differences among means statis	Yes
R square	0.7539

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-9.2	-29.36 to 10.96	No	ns
C vs. T	-12.1	-32.26 to 8.065	No	ns
C vs. RT	-30.37	-50.53 to -10.20	Yes	**
R vs. T	-2.9	-23.06 to 17.26	No	ns
R vs. RT	-21.17	-41.33 to -1.002	Yes	*
T vs. RT	-18.27	-38.43 to 1.898	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	12.13	21.33	-9.2	6.297	3	3	2.066	8
C vs. T	12.13	24.23	-12.1	6.297	3	3	2.718	8
C vs. RT	12.13	42.5	-30.37	6.297	3	3	6.82	8
R vs. T	21.33	24.23	-2.9	6.297	3	3	0.6513	8
R vs. RT	21.33	42.5	-21.17	6.297	3	3	4.754	8
T vs. RT	24.23	42.5	-18.27	6.297	3	3	4.102	8

Supplementary Figure S8d

CHOP

ANOVA summary

F	12.78
P value	0.0162
P value summary	*
Are differences among means statistically significant? (P < 0.05)	Yes
R square	0.9055

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-0.115	-2.550 to 2.320	No	ns
C vs. T	-3.07	-5.505 to -0.6354	Yes	*
C vs. RT	-2.095	-4.530 to 0.3396	No	ns
R vs. T	-2.955	-5.390 to -0.5204	Yes	*
R vs. RT	-1.98	-4.415 to 0.4546	No	ns
T vs. RT	0.975	-1.460 to 3.410	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	1.115	-0.115	0.5981	2	2	0.2719	4
C vs. T	1	4.07	-3.07	0.5981	2	2	7.26	4
C vs. RT	1	3.095	-2.095	0.5981	2	2	4.954	4
R vs. T	1.115	4.07	-2.955	0.5981	2	2	6.988	4
R vs. RT	1.115	3.095	-1.98	0.5981	2	2	4.682	4
T vs. RT	4.07	3.095	0.975	0.5981	2	2	2.306	4

BIP

ANOVA summary

F	24.5
P value	0.0049
P value summary	**
Are differences among means statis	Yes
R square	0.9484

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	1.14	-0.14	0.437	2	2	0.453	4
C vs. T	1	4.135	-3.135	0.437	2	2	10.14	4
C vs. RT	1	3.09	-2.09	0.437	2	2	6.763	4
R vs. T	1.14	4.135	-2.995	0.437	2	2	9.691	4
R vs. RT	1.14	3.09	-1.95	0.437	2	2	6.31	4
T vs. RT	4.135	3.09	1.045	0.437	2	2	3.381	4

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	-0.14	-1.919 to 1.639	No	ns
C vs. T	-3.135	-4.914 to -1.356	Yes	**
C vs. RT	-2.09	-3.869 to -0.3108	Yes	*
R vs. T	-2.995	-4.774 to -1.216	Yes	**
R vs. RT	-1.95	-3.729 to -0.1708	Yes	*
T vs. RT	1.045	-0.7342 to 2.824	No	ns

SXBP1

ANOVA summary

F	9.111
P value	0.0292
P value summary	*
Are differences among means statis	Yes
R square	0.8723

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C vs. R	0.275	-1.062 to 1.612	No	ns
C vs. T	-1.33	-2.667 to 0.00704	No	ns
C vs. RT	-0.385	-1.722 to 0.9520	No	ns
R vs. T	-1.605	-2.942 to -0.2680	Yes	*
R vs. RT	-0.66	-1.997 to 0.6770	No	ns
T vs. RT	0.945	-0.3920 to 2.282	No	ns

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	n1	n2	q	DF
C vs. R	1	0.725	0.275	0.3284	2	2	1.184	4
C vs. T	1	2.33	-1.33	0.3284	2	2	5.727	4
C vs. RT	1	1.385	-0.385	0.3284	2	2	1.658	4
R vs. T	0.725	2.33	-1.605	0.3284	2	2	6.911	4
R vs. RT	0.725	1.385	-0.66	0.3284	2	2	2.842	4
T vs. RT	2.33	1.385	0.945	0.3284	2	2	4.069	4

Supplementary Figure S8e

Two-way ANOVA	Ordinary
Alpha	0.05

Source of Variation	% of total vari	P value	P value summ	Significant?
Interaction	29.7	< 0.0001	****	Yes
Treatments	44.35	< 0.0001	****	Yes
Duplicates	23.37	< 0.0001	****	Yes

ANOVA table	SS	DF	MS	F (DFn, DFd)	P value
Interaction	174.3	9	19.37	F (9, 16) = 20.	P < 0.0001
Treatments	260.3	3	86.77	F (3, 16) = 91.	P < 0.0001
Duplicates	137.2	3	45.72	F (3, 16) = 48.	P < 0.0001
Residual	15.17	16	0.9482		

Tukey's multiple comparisons test	Mean Diff.	95% CI of diff.	Significant?	Summary
C				
nil vs. guanabenz	-1.65	-4.436 to 1.136	No	ns
nil vs. GSK	-2.15	-4.936 to 0.6359	No	ns
nil vs. 4u8	-0.025	-2.811 to 2.761	No	ns
guanabenz vs. GSK	-0.5	-3.286 to 2.286	No	ns
guanabenz vs. 4u8	1.625	-1.161 to 4.411	No	ns
GSK vs. 4u8	2.125	-0.6609 to 4.911	No	ns
R				
nil vs. guanabenz	-3.7	-6.486 to -0.9141	Yes	**
nil vs. GSK	-5.2	-7.986 to -2.414	Yes	***
nil vs. 4u8	-6.95	-9.736 to -4.164	Yes	****
guanabenz vs. GSK	-1.5	-4.286 to 1.286	No	ns
guanabenz vs. 4u8	-3.25	-6.036 to -0.4641	Yes	*
GSK vs. 4u8	-1.75	-4.536 to 1.036	No	ns
T				
nil vs. guanabenz	2.95	0.1641 to 5.736	Yes	*
nil vs. GSK	-7.5	-10.29 to -4.714	Yes	****
nil vs. 4u8	-4.6	-7.386 to -1.814	Yes	**
guanabenz vs. GSK	-10.45	-13.24 to -7.664	Yes	****
guanabenz vs. 4u8	-7.55	-10.34 to -4.764	Yes	****
GSK vs. 4u8	2.9	0.1141 to 5.686	Yes	*
RT				
nil vs. guanabenz	7.7	4.914 to 10.49	Yes	****
nil vs. GSK	2.5	-0.2859 to 5.286	No	ns
nil vs. 4u8	-2.9	-5.686 to -0.1141	Yes	*
guanabenz vs. GSK	-5.2	-7.986 to -2.414	Yes	***
guanabenz vs. 4u8	-10.6	-13.39 to -7.814	Yes	****
GSK vs. 4u8	-5.4	-8.186 to -2.614	Yes	***

Test details	Mean 1	Mean 2	Mean Diff.	SE of diff.	N1	N2	q	DF
C								
nil vs. guanabenz	10.6	12.25	-1.65	0.9738	2	2	2.396	16
nil vs. GSK	10.6	12.75	-2.15	0.9738	2	2	3.123	16
nil vs. 4u8	10.6	10.63	-0.025	0.9738	2	2	0.03631	16
guanabenz vs. GSK	12.25	12.75	-0.5	0.9738	2	2	0.7262	16
guanabenz vs. 4u8	12.25	10.63	1.625	0.9738	2	2	2.36	16
GSK vs. 4u8	12.75	10.63	2.125	0.9738	2	2	3.086	16
R								
nil vs. guanabenz	11.65	15.35	-3.7	0.9738	2	2	5.374	16
nil vs. GSK	11.65	16.85	-5.2	0.9738	2	2	7.552	16
nil vs. 4u8	11.65	18.6	-6.95	0.9738	2	2	10.09	16
guanabenz vs. GSK	15.35	16.85	-1.5	0.9738	2	2	2.178	16
guanabenz vs. 4u8	15.35	18.6	-3.25	0.9738	2	2	4.72	16
GSK vs. 4u8	16.85	18.6	-1.75	0.9738	2	2	2.542	16
T								
nil vs. guanabenz	14.3	11.35	2.95	0.9738	2	2	4.284	16
nil vs. GSK	14.3	21.8	-7.5	0.9738	2	2	10.89	16
nil vs. 4u8	14.3	18.9	-4.6	0.9738	2	2	6.681	16
guanabenz vs. GSK	11.35	21.8	-10.45	0.9738	2	2	15.18	16
guanabenz vs. 4u8	11.35	18.9	-7.55	0.9738	2	2	10.97	16
GSK vs. 4u8	21.8	18.9	2.9	0.9738	2	2	4.212	16
RT								
nil vs. guanabenz	21.35	13.65	7.7	0.9738	2	2	11.18	16
nil vs. GSK	21.35	18.85	2.5	0.9738	2	2	3.631	16
nil vs. 4u8	21.35	24.25	-2.9	0.9738	2	2	4.212	16
guanabenz vs. GSK	13.65	18.85	-5.2	0.9738	2	2	7.552	16
guanabenz vs. 4u8	13.65	24.25	-10.6	0.9738	2	2	15.39	16
GSK vs. 4u8	18.85	24.25	-5.4	0.9738	2	2	7.843	16